

$+$

@A00721:190:HGJW7DSXY:4:1449:27751:18865_2:N:0:TCTGCAAG+GCTGCACT
GCTCCAACTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGT
CTCTACGTTACGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGA

+

@A00721:190:HGJW7DSXY:4:1239:2175:22420_2:N:0:TCTGCAAG+GCTGCACT
CTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACC
GAGGTCGCTCGTAACATTGACGGCAGTCCCCTCATCTCTGTGGGAAC

+

@A00721:190:HGJW7DSXY:4:1107:27489:25864_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTATTCACTCTCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAG
AGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCC
AAT

+

@A00721:190:HGJW7DSXY:4:1414:14751:34648_2:N:0:TCTGCAAG+GCTGCACT
TCTGACCAGAAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCA
CAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGG

+

@A00721:190:HGJW7DSXY:4:1332:10312:14873_1:N:0:TCTGCAAG+GCTGCACT
CTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGC
CGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACC
CCA

+

@A00721:190:HGJW7DSXY:4:1316:22137:7138_2:N:0:TCTGCAAG+GCTGCACT
GACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCCTGAGGACGAAGGTG
AGAGGACTTTTGGCTACTGGCGACAAACAGATCGGAAGAGCGTCGTGT

+

@A00721:190:HGJW7DSXY:4:1158:6723:13980_1:N:0:TCTGCAAG+GCTGCACT
ATCTTGCAAGTGAAGTTCAGACGTGTGCTCTTCCGATCTTGTCAACGGCGTTTGGAGGATTTT
ATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATG
CCG

+

[illegible]

@A00721:190:HGJW7DSXY:4:1152:18873:9690_2:N:0:TCTGCAAG+GCTGCACT
ACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGT
TCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGAC

@A00721:190:HGJW7DSXY:4:1314:3947:36824_2:N:0:TCTGCAAG+GCTGCACT
AAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAAAC
CCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATG

@A00721:190:HGJW7DSXY:4:1564:20808:3396_2:N:0:TCTGCAAG+GCTGCACT
AACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTC
GTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGC

@A00721:190:HGJW7DSXY:4:1369:16984:36793_2:N:0:TCTGCAAG+GCTGCACT
ACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGC
TTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCC

@A00721:190:HGJW7DSXY:4:1209:19877:26772_1:N:0:TCTGCAAG+GCTGCACT
TCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGTTATTCT
CACAACAAAGATAAGATTTTATCTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCA
TTG

@A00721:190:HGJW7DSXY:4:1234:6777:22028_2:N:0:TCTGCAAG+GCTGCACT
ATTGAGCATTAATGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTA
TTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTG

@A00721:190:HGJW7DSXY:4:1141:14660:10222_1:N:0:TCTGCAAG+GCTGCACT
GAGGTTTCGTTCTCAATAAAAAATTTTTCTCAAGAGATTATGTTGATAAAGTTTTCTTCATAAGGGCT
ATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCT
TCG

@A00721:190:HGJW7DSXY:4:1258:2474:25191_2:N:0:TCTGCAAG+GCTGCACT
AGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGT
CGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTAC

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
```


AAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAAC
GAT

+

FFFFFFFFFFFFFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFF:FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1257:15908:18145_2:N:0:TCTGCAAG+GCTGCACT
CACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTG
ATGGCTCAGTACAGGGAGGAGATCGGAAGAGCGTCGTGTAGGGAAGA

+

FF
FF:FFFF,:FF:

@A00721:190:HGJW7DSXY:4:1107:17490:33348_1:N:0:TCTGCAAG+GCTGCACT
ATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGT
ATAGTTGGCGTCTTGTCGTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTTCAGGAAGATCTCT
ACA

+

FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1267:28989:7232_1:N:0:TCTGCAAG+GCTGCACT
CTTTAGCAACTTTAGATAAATTCTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATCCTT
GGTGATCTGAATCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGAC
TAA

+

FF
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1435:10276:35133_1:N:0:TCTGCAAG+GCTGCACT
GCTTTATCTTAAAGCATTACCACCAAATTTAGCACTTTTGAATATGACAGAAGCTCGCCATATCAGA
TTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGT
CCA

+

FFFFFFFFF:FFFFFFFFFFFF,FF
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1261:22281:28369_2:N:0:TCTGCAAG+GCTGCACT
CCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAA
CACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCT

+

FF:FFFFF:FF
FF:FFFFF:FFF:F

@A00721:190:HGJW7DSXY:4:1447:29161:32424_1:N:0:TCTGCAAG+GCTGCACT
TCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGTACTTGGGTT
TATCGGTTGTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCT
TGT

+

FF
FF:FFFFFFFFFFFFFFFFFFFF
,FF

@A00721:190:HGJW7DSXY:4:1159:17680:14418_2:N:0:TCTGCAAG+GCTGCACT
GTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCGTCTTACCTATTTACAATCTGTAGAGAGA
GAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGT

+

FFF:F:F:FFFFFFFFFFFFFF:FFFFFFFF
 FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,:FF
 @A00721:190:HGW7DSXY:4:1156:17264:36839_1:N:0:TCTGCAAG+GCTGCACT
 TTTTCTTTCCCTCCCCTTTTTTCGATTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGT
 TTTTCTTTTATGGGACTCTTGTTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGTAGGT
 CTC
 +
 FFFFFF,FFFFFF:F:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFF
 FFF
 @A00721:190:HGW7DSXY:4:1401:3631:9784_2:N:0:TCTGCAAG+GCTGCACT
 GGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCC
 GTGGACTTGGAAGAGATTAAACATAAAAATCCAGCGATTCTATTATGT
 +
 FF:FF:FFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF:
 @A00721:190:HGW7DSXY:4:1150:16821:35102_2:N:0:TCTGCAAG+GCTGCACT
 TCGATGATGTTGGGGCTGTGGGGATTAACCTCCTCGTGAACTTACGACGATGTTCTCGCTCGCATT
 TCACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAA
 +
 FF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
 @A00721:190:HGW7DSXY:4:1127:11153:24001_2:N:0:TCTGCAAG+GCTGCACT
 AGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCGAATAGAGGATCCTGATGAC
 ATTATTTCAACGATACCGATCTCAGTTCTACCACAGAAACCGTCTCA
 +
 FFF:FFFFFFFF:FF,FFFF:FFFFFFFF:FFFFF,FFFF::FFF,FFF,:F:FFFF:F:::FFF
 FFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFF:FFF:FFFFF
 @A00721:190:HGW7DSXY:4:1446:11758:30843_2:N:0:TCTGCAAG+GCTGCACT
 ACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCC
 TGATGAGGACGTTGAAAGGATAATTTCAACTCTGAGACTTCTAAGAG
 +
 FFFFF,FFF
 FFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 @A00721:190:HGW7DSXY:4:1125:9073:17519_2:N:0:TCTGCAAG+GCTGCACT
 ACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGAG
 AAAACTGATATGGTTGCGGCTGATCGTACCCAATTCTGCTAGAAAG
 +
 FF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFF
 @A00721:190:HGW7DSXY:4:1103:23231:6308_1:N:0:TCTGCAAG+GCTGCACT
 ATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCT
 GCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAAGTACCACCTTACAA
 GAG
 +
 F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F
 FFFFFFFFFFFFFF:FFF
 FFF
 @A00721:190:HGW7DSXY:4:1117:16957:34992_1:N:0:TCTGCAAG+GCTGCACT
 GCAACATGGATCAGTTTTCCAAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATT
 ACTCTAAACTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGT
 AAT
 +
 FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFF

ATCTTTACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1547:9263:14998_2:N:0:TCTGCAAG+GCTGCACT
TAAGGAAGTGTACGTTTAGCACGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACG
ATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1205:13277:14528_2:N:0:TCTGCAAG+GCTGCACT
GGTTATTCTGGAACACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCA
AGTCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTA
+
FF
FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1108:26530:14967_2:N:0:TCTGCAAG+GCTGCACT
GCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAA
GAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCACAACG
+
FF
FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1110:27100:14575_2:N:0:TCTGCAAG+GCTGCACT
TCGACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTGTTTGATCAGTCTAAG
TTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTG
+
FFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1456:3513:30906_1:N:0:TCTGCAAG+GCTGCACT
AACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGA
CTATATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAAACTTGATGCTTCAGCCTTT
CGA
+
FF
FF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1246:15754:6981_1:N:0:TCTGCAAG+GCTGCACT
AGAATATCGTTTATCACTCAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGG
AGAGTCAAACAGTGTCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCG
GAA
+
FFFFFFF,F,FFFFF:F,::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:F:F:FFFFFF:FFFFFF,FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFF:FFF:FFFF:F:
FFF
@A00721:190:HGJW7DSXY:4:2333:14832:10081_1:N:0:TCTGCAAG+GCTGCACT
CTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCTCAAGA
TTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAAC
TTT
+
FFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF
FFFF:FF:FFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1232:26060:6762_2:N:0:TCTGCAAG+GCTGCACT
TGTCACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGC

$+$

@A00721:190:HGJW7DSXY:4:1136:17137:35556_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAAAGTTTTCGGCTGTGGTTGTCGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAAC
TGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAAGCGAAATTTTTGAGGGATAAACACGCGT
ACT

+

@A00721:190:HGJW7DSXY:4:1439:16532:23109_2:N:0:TCTGCAAG+GCTGCACT
CCTGATCCTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTG
GGAGAGATTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGA

+

@A00721:190:HGJW7DSXY:4:1562:6017:21997_2:N:0:TCTGCAAG+GCTGCACT
CGATTAGCTCTTGCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGC
TTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCC

+

@A00721:190:HGJW7DSXY:4:1215:30807:8343_1:N:0:TCTGCAAG+GCTGCACT
GGAGTTCTTGAAGCATCCCTACCTTTCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAA
TCCTGATTCTACTACGGATTTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGA
TCG

+

@A00721:190:HGJW7DSXY:4:1444:11966:28855_1:N:0:TCTGCAAG+GCTGCACT
GGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAA
AAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCT
CTG

+

@A00721:190:HGJW7DSXY:4:1335:4616:6355_2:N:0:TCTGCAAG+GCTGCACT
TAAATGACGATCATTAAGACTCTCTTTCTTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCATCAGC
TTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATATCAGTTGAT

+

@A00721:190:HGJW7DSXY:4:2249:9498:33035_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTGAACCTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAAGTGTGG
TGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACG
AT

+

[illegible]

$+$

@A00721:190:HGJW7DSXY:4:1329:6451:27727_2:N:0:TCTGCAAG+GCTGCACT
TGTTTACCACCGAAATATCAAGGTTCTTGTCCTTCAAACGATTGGAAGGTTAGTTATCTTAATAGTAC
TAAAGGGGTTTACTTACAACCCTATGACGATAGTTTCTCTTTACACAC

+

@A00721:190:HGJW7DSXY:4:1421:7581:33692_2:N:0:TCTGCAAG+GCTGCACT
TGTTTTCTTCTAATGTGGCTGAACACGTTTCACCTTGTGTGTACTTGTCTCTATTTAAGTTTTGT
CTTCCTTGTTGTCTTATTCTATTAATCACTCATTTTGTGAGATTAT

+

@A00721:190:HGJW7DSXY:4:1116:25048:20729_2:N:0:TCTGCAAG+GCTGCACT
CTAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGC
AGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTC

+

@A00721:190:HGJW7DSXY:4:1123:31765:16391_1:N:0:TCTGCAAG+GCTGCACT
TTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTA
ATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTC
TCA

+

@A00721:190:HGJW7DSXY:4:1443:25545:20776_1:N:0:TCTGCAAG+GCTGCACT
CTATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTAACCATTTGTACGATGT
CGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATC
TTC

 $+$

@A00721:190:HGJW7DSXY:4:1435:20763:4069_2:N:0:TCTGCAAG+GCTGCACT
TCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTT
TCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAAC

+

@A00721:190:HGJW7DSXY:4:1111:15013:34569_1:N:0:TCTGCAAG+GCTGCACT
CCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTC
AAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTAT
CGT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1125:31358:13307_2:N:0:TCTGCAAG+GCTGCACT
TACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGTCGTGACGTTGATGAAGCTATAAG
AGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTC

+

:F,FFFFF:F:FFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFF
FFFFFFFFFFFFF,F,,FFF,F,,FFF:FFFFF:FFFFFFFF:FFF:FF

@A00721:190:HGJW7DSXY:4:1152:24858:17394_1:N:0:TCTGCAAG+GCTGCACT
TGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTC
ACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGT
TAT

+

FF:FFF:FFFF,FFFFFFFFFFFFFFFF
FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1353:27679:11036_2:N:0:TCTGCAAG+GCTGCACT
GCAAACTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACA
GCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCT

+

FFFFFFFFFFFFFFF:FFF:FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1139:20726:29403_1:N:0:TCTGCAAG+GCTGCACT
AAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGT
AACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTT
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1241:7708:7639_2:N:0:TCTGCAAG+GCTGCACT
AGGTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGTATGAGGGTGTCTTCTAATCGTAACA
TTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGG

+

FF:FFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:

@A00721:190:HGJW7DSXY:4:1136:28013:24612_2:N:0:TCTGCAAG+GCTGCACT
GATAGCCAATATTGAAGTGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTC

+

FFF:FF
FFFFFFFFFFFFFFF:F:FFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:1339:18385:29262_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATC
TCGAAAAGTCTCTTCTAAAAGGAACGTCAAGTCTAACCCTAAAGAGAATATCTAAAATATTTACAAAAT
CTT

+

FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF:FFFFFFFF:
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2247:17119:9909_1:N:0:TCTGCAAG+GCTGCACT
ACGAGATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTACAATCTTACTTGGAAC
GAAGGCGACCTGTTCCGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATA
CGA

+

FFF,FFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF

CATTTTCTTGCTGAAATTTATAGAAGATTATTTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCT
GTA

[illegible]

+

[illegible]

+

```

FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

+

[illegible]

+

```
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

[illegible]

+

```
F:F:FFFFF,,FFFFF:FFFFF:FFFFF,FFFFFFFFF:,F:FFFFFFFFFFFFFFFFFFFFF,FFFFF
:FFFFFFFFFFFFFFFFFFFFF:FFFFF::F,,,:FFFFFF:FFFFFF:FFFFFFFFF:FF,,FFFF::F
FFF
```

+

[illegible]

TAGTGAACGCGTTTCGTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAG
+
FF:FFFFFFFF,,FFFFFFFFFFFFFFFFFFFFFFFF
:FF:FFFF,FFF
@A00721:190:HGJW7DSXY:4:1352:21703:4601_1:N:0:TCTGCAAG+GCTGCACT
TAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACT
GACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTAATA
ATA
+
FFFFFFFFFFFFFF:FF,FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1566:12301:1564_2:N:0:TCTGCAAG+GCTGCACT
AGTCATAACTTTTGTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTA
ACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTG
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1147:31430:22670_2:N:0:TCTGCAAG+GCTGCACT
CTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTACAATAGTTAATATCATATTAGTAAT
ACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGA
+
FF:FFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1325:4408:23750_2:N:0:TCTGCAAG+GCTGCACT
ACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATA
AAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2344:31928:32863_2:N:0:TCTGCAAG+GCTGCACT
ATAAAAGTCCCTTAAAAATTTAGATTATTAATACTTCCTTTAATCAATTTATAGAAGTTATTTATTT
GTACTTTTTATAATTTATAAACATAATATAAATTTTGGTATTTTTTTT
+
::,FFF,F:F::F,,F,,F,,FFFFFF,:F,,::,F:,FF::,F,FFF:FF,,F,,:::FF,,FF
,F,:FFFF,FFF:FF,F:FFF,F,,F:F,,,FFFF,:FFF:FFF,F
@A00721:190:HGJW7DSXY:4:1212:27896:17049_2:N:0:TCTGCAAG+GCTGCACT
GAAGACATTATCTCTTATGTACTTATTGTAACGATCATTCTTTCGAGTTTGTGATTCTTATTCTTTT
ATTCCTTTAACTGTGTATGAGGAGATTATAATGCTTTTCGATAGTG
+
FFFFFFF,FF:FF
FFFFF,FFFFFFFFF:F:F,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1565:19244:24862_2:N:0:TCTGCAAG+GCTGCACT
ATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATT
TATTAAACGAATATTATCCGATTCTTCGAGGGTATCACTACCACTGA
+
FFFFFFF::FFFFFFFFFFFF,FF:FFFF:FFFFFFFFFFFF::FFF:FFFFFFFF,,FFFF:F,FF:F
FFF:FFFFFF:FF::F:F::FFFF,FFFF,FFF,FFFFF:,FFFF
@A00721:190:HGJW7DSXY:4:1302:10682:14481_2:N:0:TCTGCAAG+GCTGCACT
CAAGGAACCTTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGA
CAAATTTTAGAATTTATTTTCAAGAACTCTCTCCGATCACCTTGGTGTG
+
FFFFF,F:FFF:,::FF,FFFFFFFFFFFFFFFFFFFF,FFFFF:F::FFFF,FFFFFFFF:FFFF:F,F
::FF:FF:F:FFFF:,FF,F,F:FFFFFFFF,FFFF,FF,:FF,FFFF

@A00721:190:HGJW7DSXY:4:1178:16993:33739_1:N:0:TCTGCAAG+GCTGCACT
TCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAAT
ACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTT
ACT

+

:FFFFFFFF:FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1418:21386:26944_2:N:0:TCTGCAAG+GCTGCACT
CACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCG
GTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAA

+

FFFFFFFFFFF:FFFFFF:FFFF,FFFFFFFFF:,FFFFFFFFFFFF:FF:FFF::FFF:FFFFFFFF, :F:
FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:1260:3468:24878_1:N:0:TCTGCAAG+GCTGCACT
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACTTT
ACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTAT
TCC

+

FF:FFF
FF:FFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1251:32072:32142_1:N:0:TCTGCAAG+GCTGCACT
GGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTT
TAGAAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCC
TTT

+

:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF,:FF
FFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:,FF:FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1234:24623:27915_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGA
ATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAG

+

FFF:FFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1234:9706:14920_1:N:0:TCTGCAAG+GCTGCACT
CAGACGTGTGCTCTTCCGATCTCGCTAACTAGGTGAATTCCTGGCGAACCGCAAATCAATTGAAGAAA
ACCACTCCCTTCAATTCAATAACATAACATACCATACACTCCCCAAACATAACATACCATAACCTACC
ATG

+

FFFF:FFFFFFFFFFF:FFFF:F:,FFFFF::FFFF:FFFFFFFFFFF:FFF,F:FFFFFFFFF:,FFF:FF
FFFFFFFFFFFFFFFF:FF
:FF

@A00721:190:HGJW7DSXY:4:1453:22724:9189_2:N:0:TCTGCAAG+GCTGCACT
GCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGT
CTCTACGTTACAGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGA

+

FFF
FF:FFFFFF

@A00721:190:HGJW7DSXY:4:1322:19388:27712_2:N:0:TCTGCAAG+GCTGCACT
CTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACC
GAGGTCGCTCGTAACATATACGGCAGTCACGTCATCTCTGTGGGAAC

+

:F,FF,:,:,FFFF,,,,FF,FF:FFFFFFFF,:FFF:,F:,FFFF:,:,:,F:,FFF,FFF::FF,FF:
,F,FFF,FFF:FFF,FF,,FF,,FF,FF,:,:,F:,FF,:F:,,F:,,
@A00721:190:HGJW7DSXY:4:1167:31430:24048_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAG
AGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCC
AAT

+

FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1414:15257:36839_2:N:0:TCTGCAAG+GCTGCACT
TCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCC
CAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGG

+

FF
FFFF,FF

@A00721:190:HGJW7DSXY:4:1422:28375:29340_1:N:0:TCTGCAAG+GCTGCACT
CTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGC
CGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCTTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACC
CCA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1316:24261:8688_2:N:0:TCTGCAAG+GCTGCACT
GACTCTCTACAGTAGGTTCTGCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTG
AGAGGACTTTTGGCTACTGGCGACAAACAGATCGGAAGAGCGTCGTGT

+

FFFFFF:FF
F:FFFF:FF:FF:,FFFF:F:FFFF:FFFF:FFF:FFF:FFF:FF

@A00721:190:HGJW7DSXY:4:2647:23583:15718_1:N:0:TCTGCAAG+GCTGCACT
ATCTTGCAGAGTGAAGTTCAGACGTGTGCTCTTCCGATCTTGTCAACGGCGTTTGGAGGATTTT
ATCCGCGCTTAATCTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATG
CCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1514:32841:2722_1:N:0:TCTGCAAG+GCTGCACT
GCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCA
CTATTTTTTCCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTGCTTCGGTGGGTGAG
GG

+

FF
F:FF
F:FFFFF,FFFF:FFFF:FFF,,FF,FFF::F,F,,,FFF:FFF,,,FF,F,F:F,,,FFF:F,F
FF

@A00721:190:HGJW7DSXY:4:2259:22833:30232_2:N:0:TCTGCAAG+GCTGCACT
ATTCACTGGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTTTAGAGAGCATTAGAAGGAA
GTTGGGCAAATCCCACATATGGTAGACGTTGTCACTTTTCTTGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1528:25889:1423_1:N:0:TCTGCAAG+GCTGCACT
TTCTCCGCTTTGGGGATTTTCGATGTGAGAAGGTGGTAGGTGTCAAGGGTGTTATTATGCTGATCT

TTAAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCG
AA

+

F:F,F:,FF:,::,,F,FFFF:,F,::FF::F,FFFF:,,,FF,FFFFFF::F,FF,FF,F::FFF:F:F
,F,FFFF:FFFFFF,F,FF,FF:FFFF:F,,:FFFF:FFFFFFFFFFFFFF,FFF:FF,F::FFFFFFFF:F
:F

@A00721:190:HGJW7DSXY:4:1217:22155:3286_1:N:0:TCTGCAAG+GCTGCACT
GCTGTAACTGTCATTTTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAA
GAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGA
AGT

+

: ,FFFF,,F,FF:FFFFFF:F:F:F:FFFFFFFFFFFFFFF, :FFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:,F:FFFF:FF:FFFFFF:FFF:F:, :F:FFFFFF:FF:FFFFFFFFFFFF, :F:FFF,
F:F

@A00721:190:HGJW7DSXY:4:1456:29243:24737_2:N:0:TCTGCAAG+GCTGCACT
GGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAG
ATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATG

+

FF
FFF:FF

@A00721:190:HGJW7DSXY:4:1165:26178:25880_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+

FFFFFFFFFFFFFFF:FFFFFFFFF::FF:FFFFFFF:F:FFFFFFFFF:FF:FFFF:FFFFFF:FFFFF:
FFF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:1211:25021:32424_2:N:0:TCTGCAAG+GCTGCACT
TTAACGTGGCAGAATTCGGTAACCTTACCATATTGTTCTTCCGGAAGTTGTGGGATTTAACTTTGAC
TCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1368:7048:23500_1:N:0:TCTGCAAG+GCTGCACT
TAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGC
TCTGAGGGCGGTTGAGGGAGCCGTTTTGCGCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAC
CTA

+

FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1212:3016:13385_2:N:0:TCTGCAAG+GCTGCACT
ACCTTACAAGTTGAGGAGACTTTACAGCGCTTATTGTGCGCAGTTTTCCAGAATTGCGGTTGAAGT
TCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1445:5801:21214_2:N:0:TCTGCAAG+GCTGCACT
AAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAAAC
CCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATG

+

FFFFF::FF:FFFFFFF:FF
FF:FFFFF,F::FFFFF

@A00721:190:HGJW7DSXY:4:2336:30553:35305_2:N:0:TCTGCAAG+GCTGCACT
AACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGAAGCAAAATGTTTC

GTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGC
+
FFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1371:29514:24768_2:N:0:TCTGCAAG+GCTGCACT
ACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTTCGTC
TTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCC
+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFF:FFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFF,FFFF
FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:1416:8558:13839_1:N:0:TCTGCAAG+GCTGCACT
TCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCT
CACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCA
TTG
+
F,FFFFFF::FFF:F:F:FFF:FFF,FFFF,FFFFFFFF:FFFFFFFFFFFFFF:FFFF:FFFFFF:
:FFFFFF,:FFFF:FFFFFF:FFFFFF:FFFF:F:FFFF,FFF:F:FFFFFFFFFFFFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1621:16477:16282_2:N:0:TCTGCAAG+GCTGCACT
ATTGAGCATTAATGAGTTCCGAATAACTCGTAATAAATCTTCTCTAGTGGACAATTCAGAATACCTA
TTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1348:2392:36793_1:N:0:TCTGCAAG+GCTGCACT
GAGGTTTCGTTCTCAATAAAAATTTTCTCAAGAGATTATGGTTGATAAAGTTTCTTCATAAGGGCT
ATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCT
TCG
+
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1519:23032:23343_2:N:0:TCTGCAAG+GCTGCACT
AGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGT
CGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTAC
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1231:12111:25535_2:N:0:TCTGCAAG+GCTGCACT
AAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGC
CTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTT
+
FF:FFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1223:18783:30358_2:N:0:TCTGCAAG+GCTGCACT
TCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAAAAT
GGTGAACCGGTCTCTAAATCTTTGAGATTGAGAAGATTGAAGAACAC
+
FFFFFF,FF,FFFF
FF
@A00721:190:HGJW7DSXY:4:1476:14109:31532_2:N:0:TCTGCAAG+GCTGCACT
GCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCA
AACTTCGAGGTTAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGG
+

FF
FF
@A00721:190:HGJW7DSXY:4:1339:16640:5478_2:N:0:TCTGCAAG+GCTGCACT
GGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACT
CTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1653:10737:21057_1:N:0:TCTGCAAG+GCTGCACT
AGTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGGTATTTCTGAA
ATAGTTTATCAGAGCGTCATTTTCCTTTGGGATCTTTCCTCTGTAAGGGAATTATTAAATCATTCTT
CTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1315:31693:33896_2:N:0:TCTGCAAG+GCTGCACT
ATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTC
ACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTGAAAGGAAAAT
+
FF
F:FF
F:FFFFFFFFFFFFFFFF:F,FFFFFFFFF,F,FF:,FFFF:F,,F,FFF:
@A00721:190:HGJW7DSXY:4:1509:10285:8030_1:N:0:TCTGCAAG+GCTGCACT
AAATACGTATGTCGGTGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGTTCCATAAGAT
ATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGAT
GTT
+
FFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1267:19000:36777_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTACGATTCTTAAAAGAAGTTTATTA AAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAA
TGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGG
+
FF
FF
FFFF
@A00721:190:HGJW7DSXY:4:1405:10872:2722_1:N:0:TCTGCAAG+GCTGCACT
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTA
AAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCAGAGTTTCGACGTCGCGGAAAAC
GAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1314:3685:14920_2:N:0:TCTGCAAG+GCTGCACT
CACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTG
ATGGCTCAGTACAGGGAGGAGATCGGAAGAGCGTCGTGTAGGGAAGA
+
FF
FFFFFFFFFFFFF:FF
FFFF
@A00721:190:HGJW7DSXY:4:1139:12726:20556_1:N:0:TCTGCAAG+GCTGCACT
ATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGT
ATAGTTGGCGTCTTGTCGTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTTCAGGAAGATCTCT
ACA

+
FFF:FFFFFFFFFFFFFFFF:FFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1267:30852:4131_1:N:0:TCTGCAAG+GCTGCACT
CTTTAGCAACTTTAGATAAAATTCTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATCCTT
GGTGATCTGAATCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTCTTACACTTCTCGCGAC
TAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2208:22245:26271_1:N:0:TCTGCAAG+GCTGCACT
GCTTTATCTTAAAGCATTAACACCAAATTTAGCACTTTTTGAATATGACAGAAGCTCGCCATATCAGA
T TAGAGACATGCCAGTTAGAGTTCTTCTAACAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGT
CCA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1403:31937:20791_2:N:0:TCTGCAAG+GCTGCACT
CCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAA
CACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FF
FFFFFFFF,FFFF,F:FFFF,F:FFFFFFFF,FFFFFFFF:FFFF:FF
@A00721:190:HGJW7DSXY:4:2110:17463:10755_1:N:0:TCTGCAAG+GCTGCACT
CTTTTGGTGATATCGCCTCTGTCTTTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGTACTTGGGT
TATCGGTTGTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCT
TGT
+
:F:FFFFFFFF:,FFFFFFFF:,FFFFFFFF,,,:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F
F:FFFF:FFFF:FFFFFFFFF:FFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1562:27814:14810_2:N:0:TCTGCAAG+GCTGCACT
GTGATGCTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCGTCTTACCTATTTACAATCTGTAGAGAGA
GAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGT
+
FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:1253:12970:19351_1:N:0:TCTGCAAG+GCTGCACT
TTTTCTTTCCCTCCCCTTTTTCGATTGGATTGCACGGGGTCTTCGTCTCACACTAATTTGATAAGGT
TTTTCTTTTATGGGACTCTTGTTTGACTTATGAAGGAGGTATTACTTCGGAAGTCTTAATGTAGGT
CTC
+
FF
FF,FFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1478:11930:28197_2:N:0:TCTGCAAG+GCTGCACT
GGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCC
GTGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGT
+
FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:2168:23701:7373_2:N:0:TCTGCAAG+GCTGCACT
TCGATGATGTTTCGGGCTGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATT
TCACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1349:14696:4586_2:N:0:TCTGCAAG+GCTGCACT
AGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGAC
ATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCA

+

:FF
FF

@A00721:190:HGJW7DSXY:4:1627:6876:7639_2:N:0:TCTGCAAG+GCTGCACT
ACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCC
TGATGAGGACGTTGAAAGGATAATTTCAACTCTGAGACTTCTAAGAG

+

FFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:1168:3486:36777_2:N:0:TCTGCAAG+GCTGCACT
ACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAG
AAAAGTATGATTGCGGCTGATCGTACCCCAATTCTGCTAGAAAG

+

FFFFFFFFFFFFFF:FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1129:11785:8437_1:N:0:TCTGCAAG+GCTGCACT
ATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCT
GCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCAACTGACCACTTACAA
GAG

+

FF
FFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1554:25708:34710_1:N:0:TCTGCAAG+GCTGCACT
GCAACATGGATCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATT
ACTCTAAACTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGT
AAT

+

FFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1240:9787:18098_1:N:0:TCTGCAAG+GCTGCACT
GGCTTCTCTAAAGAACAGCAACTTTCAACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCAC
TTTATCACCTTGAGATGGTAAAGTCATTAACAAAGGAAATGTTAAGGCTGATGACTTAAATTCGCA
TTC

+

F:FFFFFFFFF:FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1459:20094:26553_2:N:0:TCTGCAAG+GCTGCACT
AGACCTTTCTGGGGGAGTAAAGAGGGTTTGAAGATTACGGAACCTTCTCGTTCTTCATGAAGATCT
TCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGA

+

FFFFFFF:F,,FFFF:FFFF,F:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF,F::FF:F:FFF:
F:FFF,FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,,FFFF,FF:FF,:F,

@A00721:190:HGJW7DSXY:4:1430:19623:7420_2:N:0:TCTGCAAG+GCTGCACT
GCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAA
GAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTACAACG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1268:18728:36182_2:N:0:TCTGCAAG+GCTGCACT
TCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGATCAGTCTAAG
TTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTG

+

:FF:FFFFFF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2150:1181:33254_1:N:0:TCTGCAAG+GCTGCACT
AACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGA
CTATATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAAACTTGATGCTTCAGCCTTTT
CGA

+

FFFF,FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1368:6596:22842_1:N:0:TCTGCAAG+GCTGCACT
AGAATATCGTTTATCACGCAAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGG
AGAGTCAAACAGTGCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCG
GAA

+

FFFFF:FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2363:18340:35728_1:N:0:TCTGCAAG+GCTGCACT
CTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCTCAAGA
TTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAAC
TTT

+

FF:FFFFFFFFFFFFFFFF
FF:F:FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1336:30147:11898_2:N:0:TCTGCAAG+GCTGCACT
TGTCACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGC
CAACACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACT

+

FF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1170:18991:30217_1:N:0:TCTGCAAG+GCTGCACT
CTTGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAAC
TGATCATTCTGATCATATGATTTTGACAATGGTTTCGAAGCGAAATTTTGAGGGATAAACCAGCGT
ACT

+

FF:FFFFFFFFFFFF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1446:18466:3599_2:N:0:TCTGCAAG+GCTGCACT
CCTGATCCTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTG
GGAGAGATTCTGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGA

+

FF:FFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFF
:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF:FFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1272:25518:22608_2:N:0:TCTGCAAG+GCTGCACT
TTGCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGT
ATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAG
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF:FFFFFFFFFFFFFFFF,FFF
@A00721:190:HGJW7DSXY:4:1311:28474:26850_1:N:0:TCTGCAAG+GCTGCACT
ATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTA
CGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACA
GGT
+
FFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2659:22842:34757_1:N:0:TCTGCAAG+GCTGCACT
AGCGTTAGCGACCAAGATCTAAATTCGTTAACGGTTCGCGCTTTATTTTAAAAAGCTCCCTCCTC
TCGCAAGTTTGATCTTATACTTATCACGATAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCAT
+
FF,:,,FFF:F,F,F,:FFF,F,,FFF,FFF,F:F::FF,,,,:FFF:F:FF,F:F:F,F:,FFFF,
FFF,F,FFFFFF:,F,FF,:FF,F,F,,,:FFF,FFF,FFFFFFFF,FFFF:FF,:FFF::,,F
@A00721:190:HGJW7DSXY:4:1178:21323:34068_1:N:0:TCTGCAAG+GCTGCACT
TGACGATCATTAAGACTCTCTTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCATCAGCTTGT
GTTTTACCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAGACTCTCCGAAAGGCGAACT
TTG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1357:2835:4679_2:N:0:TCTGCAAG+GCTGCACT
GGGTGAAGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTCTCC
TTGAGTTCACCTCGTAAGGACACTACCACTTATTACGATATTTCTTTAG
+
FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFF
@A00721:190:HGJW7DSXY:4:2224:12002:28166_2:N:0:TCTGCAAG+GCTGCACT
CCTTTAAGCGTCTTCTGTTCATCGCAACCAGATGATATCTTCTATTGCAACTTATGTTTCGATCAGTG
TTTCTTCTATCAGGAGGAAAACACTTGTCTAGTCCTTGTAAGATTAA
+
FF:FFFF
FF:FFFFFFFFFFFFFF:F:FF
@A00721:190:HGJW7DSXY:4:1550:24216:3286_2:N:0:TCTGCAAG+GCTGCACT
TGTTTACCACCGAAATATCAAGGTTCTTGTCTTCAAACGATTGGAAGGTTAGTTATCTTAATAGTAC
TAAAGGGGTTTACTTACAACCCTATGACGATAGTTTCTCTTTACACAC
+
FFFFF:,FFFFFFFFFFFFFF::F:FFFFFF,FFFFFFFFFFFFFFFF::F:FF:FF:FFFFFF,FF:
FFFFFF:FFFFFF,FFFFFF::FF,FFF,FF:FFF,FFF:FF:F
@A00721:190:HGJW7DSXY:4:1603:22046:5321_2:N:0:TCTGCAAG+GCTGCACT
TGTTTTCTTCTAATGTGGCCTGAAGTACGTTTCACTTTGTGTGTACTTGTCTCTATTTAAGTTTTGT
CTTCCTTGTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTAT
+
FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFF:FFF:FF:FFF:FFFFFFFF,FFF:FF

@A00721:190:HGJW7DSXY:4:1139:20808:27853_1:N:0:TCTGCAAG+GCTGCACT
AAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGT
AACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTT
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1355:21676:20713_2:N:0:TCTGCAAG+GCTGCACT
AGGTAATTATGAAGACTGTGATTTATCTTCACTCTGGCCTTGATGAGGGTGTTTCTAATCGTAACA
TTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1154:8241:27884_2:N:0:TCTGCAAG+GCTGCACT
GATAGCCAATATTGAAGTGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1562:28664:36980_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATC
TCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAAT
CTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2540:23692:31250_1:N:0:TCTGCAAG+GCTGCACT
ACGAGATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTACAATCTTACTTGGAAC
GAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATA
CGA

+

FF,,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1257:7355:33865_1:N:0:TCTGCAAG+GCTGCACT
TCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTGAAAGTTTG
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1409:10050:1579_2:N:0:TCTGCAAG+GCTGCACT
CTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAG
GATGAAAAATTTCTTCTTGATTTTAATATAAAGAATCTTTACCAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2238:28953:6762_1:N:0:TCTGCAAG+GCTGCACT
AGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAA
CTTAGAACTCGAACTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGG
ACT

[illegible]

ACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGA
+
FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF: , FFFFFFFFFFFFFFFFFFFFFFFFFF, FFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF, FFFF, , FFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1407:27670:14058_2:N:0:TCTGCAAG+GCTGCACT
ACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATA
AAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1135:11080:31203_2:N:0:TCTGCAAG+GCTGCACT
AAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTA
CTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTTTGTGAA
+
FFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF, FFFFFFFFFF
FFFFFFFFFFFFFFFF: FFFFFFFFFF: FFF: FFF: FFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1275:11198:18505_2:N:0:TCTGCAAG+GCTGCACT
GAAGACATTATCTCTTATGTACTTATTGTAACGATCATTCTTTCGAGTTTGTGATTCTTATTCTTTT
ATTCCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTG
+
FF: FFFFF, FF: F: FFFFFFFF
FFFFFFFFFFFFFFFF: FFFFF: FFFFFFFFF: FFF: FFFFFFFF
@A00721:190:HGJW7DSXY:4:1612:10592:24909_2:N:0:TCTGCAAG+GCTGCACT
ATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATT
TATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGA
+
FF: FFFFFFFFFF: F: F: FFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1377:1208:2362_2:N:0:TCTGCAAG+GCTGCACT
CAAGGAAC TTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGA
CAAATTTTAGA ACTTTATTT CAGAACTCTCTCCGATCACCTTG GTGTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF: FFFFFF
@A00721:190:HGJW7DSXY:4:1504:5141:8641_1:N:0:TCTGCAAG+GCTGCACT
TCTTTTCAATAAGATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATACTTGAAT
ACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTT
ACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2120:28727:22842_2:N:0:TCTGCAAG+GCTGCACT
CACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCG
GTGAACACGTGCGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAA
+
FF: F, FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1429:27254:1720_1:N:0:TCTGCAAG+GCTGCACT
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAAC TTT
ACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTAT
TCC
+
FFFFF:FFF: , F: , FF, F, FFFFFFF: FFFFFFF: FFFFFFFF: FFFFFFFF

FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFF,FFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1370:7916:24721_1:N:0:TCTGCAAG+GCTGCACT
GGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTT
TAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTACTATCGCC
TTT

+

FFFF:FFFF:FF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1302:32542:8218_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGA
ATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAG

+

FFFFFF:FF:FFFFFFFF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1102:7916:34773_2:N:0:TCTGCAAG+GCTGCACT
GAATTCCTGGCGAACCGCAAATCAATTGAAGAAAACCACTCCCTTCAATTCAATAACATAACATACCA
TACACTCCCCAACATAACATAACCATAACCTACCATGACCAATCATCG

+

FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1132:17436:26835_1:N:0:TCTGCAAG+GCTGCACT
ACGCCAGACGTAGGGTCAAACCTACTACCGCCGTCGGCAGATCGGCACCACTGGTCTCTACGTTACG
GGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCG
GAC

+

:FFFFFFFF, :FFFFFFFF:FF,FFFFFFFF,FFF,FFFF:FFF,FFFFFFFF:FFF
FFFFFF,FFFFFFFF,FF:,FFFFFF:FFFF:F:F:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFF
FFF

@A00721:190:HGJW7DSXY:4:1203:3685:17112_1:N:0:TCTGCAAG+GCTGCACT
GGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCT
CTGTGGGAAGTGAAGGAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTG
ACT

+

FFF:FF:FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF,FFFFFFFF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2357:9191:32628_2:N:0:TCTGCAAG+GCTGCACT
GTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCTCCGCTGGCACGAAGAACTCCCAAGCCA
ATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGAGATC

+

FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1217:10348:29121_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAGGGAAAGGTCCATCAGGACCTAAGAAGG
GGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTG

+

FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1259:28212:14810_2:N:0:TCTGCAAG+GCTGCACT
ATCTGCACGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCT
GTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACA

+

FFFFFFFFFFFFFFFF:FF
FF:FF
@A00721:190:HGJW7DSXY:4:1608:14488:24330_1:N:0:TCTGCAAG+GCTGCACT
TACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGAC
AAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGT
GAC
+
FFFFFFFFFFFFFFFFFFFFF:,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1148:29441:1814_2:N:0:TCTGCAAG+GCTGCACT
GTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAACATATGGGGCGAAGATCCCCTATGGAGT
CTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
+
FFFF:FFFFFFFFFFFFF,FFF:FF
FFFFF,FF
@A00721:190:HGJW7DSXY:4:1242:25825:17347_1:N:0:TCTGCAAG+GCTGCACT
CCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATG
CGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCAC
TGG
+
FF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1129:7880:26130_2:N:0:TCTGCAAG+GCTGCACT
TCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTA
GACGTTGTCACACTTTTCTTGAAAATTTTCTTTCTCCTCGTCATTGG
+
FF:FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F,FF
@A00721:190:HGJW7DSXY:4:1530:10402:27430_2:N:0:TCTGCAAG+GCTGCACT
GTGAGAAGGTGGAAGGTGTCAAGGCTACTTCATGCTGATCTTTCAGGACCTAATCACATCATGATT
GATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATT
+
FFFF:FFFF,F:FFFFFFFF:FFFF,F,,FF,FFF:FFFFFFFF,,FFFFFFFF:FFFF,F,FFFF
FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF,FFFFFFFF,F:FF
@A00721:190:HGJW7DSXY:4:1269:2745:22404_1:N:0:TCTGCAAG+GCTGCACT
GCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAA
GAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGA
AGT
+
FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1511:16034:36307_2:N:0:TCTGCAAG+GCTGCACT
GGATTATTTGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAG
ATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATG
+
FF,FFFF
FFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:1212:4490:27461_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT
+

FF:FFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFF:FFF,FF:FFFFFFFFFFFF:FFFFFFFFFF:FF:FF
 @A00721:190:HGJW7DSXY:4:1308:18204:12696_2:N:0:TCTGCAAG+GCTGCACT
 TTAACGTGGCAGAATTCGGTAACCTACCATATTGTTCTTCCGGAAGTTGTGGGATTTAACCTTGAC
 TCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTTGGACTACTC

@A00721:190:HGJW7DSXY:4:1643:7970:13479_1:N:0:TCTGCAAG+GCTGCACT
GAGGTTTCGTTCTCAATAAAAATTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCT
ATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCT
TCG

+

FFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFF:FF:FFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1628:19958:17957_2:N:0:TCTGCAAG+GCTGCACT
AGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGT
CGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTAC

+

FF
FFF:FF:F

@A00721:190:HGJW7DSXY:4:1460:18945:2268_2:N:0:TCTGCAAG+GCTGCACT
AAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGC
CTACGGTGACTTTATGGACAAGATGCAAGTCTTGGGAAATACTTGTT

+

FF
FFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1432:2917:9643_2:N:0:TCTGCAAG+GCTGCACT
TCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAAAAT
GGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAACAC

+

FFFFFFF:FF:FF,FF
FFFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1538:32949:33285_2:N:0:TCTGCAAG+GCTGCACT
GCTCGGCGTTGTTCTTGAAAACCAAGTTAAGGAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCA
AACTTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTGGATTGAAGG

+

FFFFFFFFFFFFFFFFFFFF:FFFFFF:FF,FF
FF:FFFF

@A00721:190:HGJW7DSXY:4:1454:27823:26913_2:N:0:TCTGCAAG+GCTGCACT
GGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACT
CTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTC

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFF,FF
FFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:2436:15275:10535_1:N:0:TCTGCAAG+GCTGCACT
AGTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGGTATTTCTGAA
ATAGTTTATCAGAGCGTCATTTTCCTTTGGGATCTTTCCTCTGGTAAGGGAATTATTAAATCATTCTT
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1526:11442:23281_2:N:0:TCTGCAAG+GCTGCACT
ATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTT
ACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTGAAAGGAAAAT

+

FF
FFFFFFF:FFFFFFFFFFFFFFFFFFFF,,FFF,FF:FF,FFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1624:5475:14043_1:N:0:TCTGCAAG+GCTGCACT
AAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGAT

ATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGAT
GTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1301:16758:31767_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTACGATTCTTAAAAGAAGTTTATTAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAA
TGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1439:23366:31876_1:N:0:TCTGCAAG+GCTGCACT
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTTA
AAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAAC
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1649:10393:6903_2:N:0:TCTGCAAG+GCTGCACT
CACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTG
ATGGCTCAGTACAGGGAGGAGATCGGAAGAGCGTCGTGTAGGGAAAGA

+

FF
FFFFF,FFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1142:29839:24017_1:N:0:TCTGCAAG+GCTGCACT
ATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGT
ATAGTTGGCGTCTTGTCGTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTTCAGGAAGATCTCT
ACA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1430:26142:35243_1:N:0:TCTGCAAG+GCTGCACT
CTTTAGCAACTTTAGATAAATTCTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATCCTT
GGTGATCTGAATCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGAC
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2470:15980:19617_1:N:0:TCTGCAAG+GCTGCACT
GCTTTATCTTAAAGCATTACCACCAAATTTAGCACTTTTGAATATGACAGAAGCTCGCCATATCAGA
TTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTACCTTTTGAGGT
CCA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1623:18376:32878_2:N:0:TCTGCAAG+GCTGCACT
CCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAA
CACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCT

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2538:31946:32111_1:N:0:TCTGCAAG+GCTGCACT
TCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGTA
TATCGGTTGTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATT
TGT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FF
@A00721:190:HGJW7DSXY:4:2136:27525:17127_2:N:0:TCTGCAAG+GCTGCACT
GTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCGTCTTACCTATTTACAATCTGT
GAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FF
@A00721:190:HGJW7DSXY:4:1326:8974:8766_1:N:0:TCTGCAAG+GCTGCACT
TTTTCTTTCCCTCCCTTTTTCGATTGGATTGACGGGGTCTTCGTCTCAGACTAATTTGATA
TTTTCTTTTATGGGACTCTTGTGTGACTTATGAAGGAGTATTACTTCGGAAGTTCTTAATG
CTC
+
FFFFFF:FFFFFFFF,FFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2153:27588:33708_2:N:0:TCTGCAAG+GCTGCACT
GGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATC
GTGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
,FFF:FFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2417:32407:6292_2:N:0:TCTGCAAG+GCTGCACT
TCGATGATGTTCTGGGCTGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGC
TCACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
,FF
@A00721:190:HGJW7DSXY:4:1476:22164:16203_2:N:0:TCTGCAAG+GCTGCACT
AGAAAGTTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACTTCTAATAGAGGATC
ATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCA
+
FFFFF:FFFFFFFF:FFFF:::FFFFFFFF:FFFFFF::F,,F,FFFFFF:FF:FFFF
FFFF,FFF:FFFFFF:FFFF,,FFFFFFFF:F:FFF,,:FFF
@A00721:190:HGJW7DSXY:4:1676:1398:20666_2:N:0:TCTGCAAG+GCTGCACT
ACTGATTCGGAATTAGAGAAAGACGACCTTCTGTGGGACTGAGACCTCTGAATTTTCAGG
TGATGAGGACGTTGAAAGGATAATTTCAACTCTGAGACTTCTAAGAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FFFF
@A00721:190:HGJW7DSXY:4:1169:2410:1532_2:N:0:TCTGCAAG+GCTGCACT
ACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGA
AAACTGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAG
+
FFFFF,FFFFFF:F:FFFFFFFFFFFF,,F:FFFFFFFFFFFFFFFF,FFF,:FF:FF:FF,
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF,FFFF,FFF

```

@A00721:190:HGJW7DSXY:4:1129:4526:12085_1:N:0:TCTGCAAG+GCTGCACT
ATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCT
GCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACCACTTACAA
GAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2108:32624:20635_1:N:0:TCTGCAAG+GCTGCACT
GCAACATGGATCAGTTTTCCAAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATT
ACTCTAACTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGT
AAT

+

F::FFFF:FFFFFFFF:FFFF:FFFFFFFF:FFFF:FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FF,

@A00721:190:HGJW7DSXY:4:1263:31611:7420_1:N:0:TCTGCAAG+GCTGCACT
GGCTTCTCTAAAGAACAGCAACTTTCAACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCAC
TTTATCACCTTGAGATGGTAAAGTCATTAACAAAGGAAATGTTAAGGCTGATGACTTAAATTCGCA
TTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1633:12581:32894_2:N:0:TCTGCAAG+GCTGCACT
AGACCTTCTTGGGGAGTAAAGAGGGTTTGAAAATTACGGAACCTTTCCTCGTTCTTCATGAAGATCT
TCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2312:8820:4805_1:N:0:TCTGCAAG+GCTGCACT
ACGAGATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTGGAGGGAAGACCACTGA
ACTTATAGCGACTTTTGTGCAATTTTTCGCAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTA
ATT

+

:FF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1463:11957:9612_1:N:0:TCTGCAAG+GCTGCACT
GTGACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTAT
GATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACG
TTC

+

FF
FF
F:F

@A00721:190:HGJW7DSXY:4:1672:10041:23735_2:N:0:TCTGCAAG+GCTGCACT
CTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAAT
CAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1402:8395:26459_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTTCCGATCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGCAACT

CTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGAC
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1629:27407:22341_2:N:0:TCTGCAAG+GCTGCACT
ATATTACTTTCACTCAAGGTGAAAAGTTTGAAATTAACAAAGTCCTTGGTAAGAGTAAGGTTAAATGT
GAAGATGCTCAGACTATTCATGAAGTTCAAGGTAATACTTACCAGCAC

+

FFFFFFFFFFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1677:27064:29136_2:N:0:TCTGCAAG+GCTGCACT
AAACCTCAAGATGACCCTGTTTTTGATCACAACACATATTACCGTTGCTCTATCACGACACGTTGA
ATCTTTACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2214:18738:35415_2:N:0:TCTGCAAG+GCTGCACT
TAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACG
ATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGAC

+

FF:F:F
F,FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1504:12138:18411_2:N:0:TCTGCAAG+GCTGCACT
GGTTATTCCTGGAACACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCA
AGTCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTA

+

FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1547:2383:3646_2:N:0:TCTGCAAG+GCTGCACT
GCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAA
GAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTTACAACG

+

FF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FF:FF

@A00721:190:HGJW7DSXY:4:1277:30436:7827_2:N:0:TCTGCAAG+GCTGCACT
TCGACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGTTCTTGAACGGTGTGTTTGATCAGTCTAAG
TTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTG

+

FF:FFF
F,FF

@A00721:190:HGJW7DSXY:4:2174:25943:3020_1:N:0:TCTGCAAG+GCTGCACT
AACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGA
CTATATGACCTATTTTAAGTCTATGGTGAAAAGGGAAGCTAAGGTTAAACTTGATGCTTCAGCCTTTT
CGA

+

FF,FFFFF,FFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFF::FF
FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1373:3079:1720_1:N:0:TCTGCAAG+GCTGCACT
AGAATATCGTTTTATCACGCAAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGG
AGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCG
GAA

```
+
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1106:12292:25441_1:N:0:TCTGCAAG+GCTGCACT
CGAGATCTTGCAGAGTGACTGGAGTTTCAGACGTGTGCTCTTCCGATCTTTTTCTTTTGTAAAGCCTATG
AGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATAT
TTT
+
:F:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1139:11116:13228_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTG
GTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1234:23873:23703_1:N:0:TCTGCAAG+GCTGCACT
CCATTCTGTTTTCAAAGACTCCAATAACTGATCATTTCTGATCATATGATTTTGGACAATGTTTTCGAA
GCGAAATTTTGGAGGATAAACAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACAT
CTA
+
:FFF,:F:FFFF:FFF,FF,:FFFF,,::,F:FFF:FFFFFF,FF:FFFF:FF:FFF,FFFF:FFF
F:F:,FFFFFFFFF,FFF:,FF:F:F:FF:FF:FFFFFFFFF:FFF,F,:FFF:,F,FFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1231:10484:29982_1:N:0:TCTGCAAG+GCTGCACT
CCTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAG
ATTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAGCTCTTG
CGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1224:11225:15045_1:N:0:TCTGCAAG+GCTGCACT
TATTCGATTGAGGTCTTTATACCTTTTCGGCTTTCTGGGCTTTGAATTGTATAAGATCTAATTTTAA
ACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCACGACATTTCTTGTGAAAA
+
F,FF,FFFF:,,:F,,FFFF:,::,F:,FFFF,F:FF,,::FF,FFFF:F,,FF,,FF,,FFFF,,
F,F:FF,FFF:F:,F,FFFFFFFFF:FFFFFFFF:FF,F,FFFF,F,F,,F:,F:,FF,,,F:FFFF,:
@A00721:190:HGJW7DSXY:4:1134:4065:32299_1:N:0:TCTGCAAG+GCTGCACT
TTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTTCATGGACCTTCCATCCTGTACCTCTTCT
GGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTA
AAT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1127:18511:25128_1:N:0:TCTGCAAG+GCTGCACT
CGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACT
TGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTT
CTT
```

+
FF:FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1217:32651:5055_2:N:0:TCTGCAAG+GCTGCACT
CTTTGCACTGATTTTTCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTACGATAACAACATCA
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGAATTTGAAGCTCA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:,:FFF:FFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1232:17065:15139_1:N:0:TCTGCAAG+GCTGCACT
CGTTTGACCGTGACGAAGTGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCG
TAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACTCCTTTAAGCGTCTTCT
GTT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1557:8919:21042_2:N:0:TCTGCAAG+GCTGCACT
AATCCTAACGTAGAAGATTGTTGTTTACCACCGAAATATCAAGGTTCTTGTCTTCAAACGATTGGAA
GGTACTTATCTTAATAGTACTAAAGGGGTTTACTTACAACCCTATGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1631:15058:11256_2:N:0:TCTGCAAG+GCTGCACT
TGTTTTCTTCTAATGTGGCCTGAAGTACGTTTCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTGT
CTTCCTTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTAT
+
FF
:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:1214:22607:28056_2:N:0:TCTGCAAG+GCTGCACT
CTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGC
AGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTC
+
FF:FFFFFFFF
FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:,:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1453:13666:21277_1:N:0:TCTGCAAG+GCTGCACT
TTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTCTA
ATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCA
TCA
+
FF:FF,FFFFFFFFFFFFFFFF
F,F:FF
FFF
@A00721:190:HGJW7DSXY:4:1510:12753:10645_2:N:0:TCTGCAAG+GCTGCACT
ACATTACCCGAAAGACGTGCTAAATTAACCACTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTC
ACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCA
+
FFFF:F:FF,FFFFFFFF:F:FFFFFFFF:F:,:FFFFFF,FFFFFFFF:F:FFFFFF:FF,F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFF:,:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2604:14461:23657_2:N:0:TCTGCAAG+GCTGCACT
TCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTT
TCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAAC
+

FFFFFFFFF:FF
FF:FFFF
@A00721:190:HGJW7DSXY:4:1403:5891:11475_1:N:0:TCTGCAAG+GCTGCACT
CCGGATTACCTGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTC
AAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTAT
CGT
+
FF:FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1467:19759:7404_2:N:0:TCTGCAAG+GCTGCACT
TACTATAGTGTATTATTTCTGGTGGTGTATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAG
AGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTC
+
FFFF:FF
FF
FFFF
@A00721:190:HGJW7DSXY:4:1201:32606:36104_1:N:0:TCTGCAAG+GCTGCACT
TGAAGGAGGAGGTTTCTGTTACTGGAAACCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTC
ACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGT
TAT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFF,FFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFF
FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1649:10276:18286_2:N:0:TCTGCAAG+GCTGCACT
GCAAACCTACCCTGATTCCGGCCGGTGGTAGCTCATGTCTACCAGGGGCTATTACTCTTGCTGAAACA
GCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCT
+
FF,FFF:FFFFFFFFF,F:FF,:F::FF:F:FFF,FF:,F,F,:FFF,,F,F,,FFFF,FFFF,F
:FFFFFFFF,:FFF,F:,FF:FFFFFFFF:F::FFF,F,F,,,FF,:F
@A00721:190:HGJW7DSXY:4:1255:8793:36949_1:N:0:TCTGCAAG+GCTGCACT
AAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGT
AACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTT
GAA
+
FF
FF,F
FFF
@A00721:190:HGJW7DSXY:4:2109:13295:17347_2:N:0:TCTGCAAG+GCTGCACT
AGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGATGAGGGTGTCTAATCGTAACA
TTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1223:32524:28103_2:N:0:TCTGCAAG+GCTGCACT
GATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2177:5032:4758_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATC
TCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAAT
CTT

[illegible]

FF
FFF
@A00721:190:HGJW7DSXY:4:2413:4752:35963_2:N:0:TCTGCAAG+GCTGCACT
TCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCT
TAAATGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGA
+
FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFF,FF:FF:FF
@A00721:190:HGJW7DSXY:4:1572:30346:35383_2:N:0:TCTGCAAG+GCTGCACT
AATTCTACGAAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACG
TAGTGAACGCGTTTCGTAGAACCAAGTACTTCCGTCTGAAGAGTTTAG
+
F:FF:FFFFFFFFFFFFFFFFFFFFFFFF
:FFFF:FF:F:FFFF
@A00721:190:HGJW7DSXY:4:1434:25418:25379_1:N:0:TCTGCAAG+GCTGCACT
TAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACT
GACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTAAT
ATA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2129:30047:2080_2:N:0:TCTGCAAG+GCTGCACT
AGTCATAACTTTTGTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTA
ACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTG
+
FF
F:FFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:1344:21052:24079_2:N:0:TCTGCAAG+GCTGCACT
CTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAAT
ACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGA
+
FF
FF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2173:26639:21699_2:N:0:TCTGCAAG+GCTGCACT
ACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATA
AAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1364:11234:17785_2:N:0:TCTGCAAG+GCTGCACT
AAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTA
CTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTTTTGTGAA
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFF
FF:F:FF
@A00721:190:HGJW7DSXY:4:1446:28782:23782_2:N:0:TCTGCAAG+GCTGCACT
GAAGACATTATCTCTTATGTACTTATTGTAACGATCATTCTTTCGAGTTTTGTATTCTTATTCTTT
ATTCCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTG
+
FFFFFFF:FFFF:FF:FFFFFFFF
FFFFFFFFFF,:FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2450:19253:2206_2:N:0:TCTGCAAG+GCTGCACT
ATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATT

$+$

@A00721:190:HGJW7DSXY:4:1412:2401:25817_2:N:0:TCTGCAAG+GCTGCACT
CAAGGAACCTTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTTTGA
CAAATTTTAGAACTTTATTTTCAAGAACTCTCTCCGATCACCTTGGTGTG

+

@A00721:190:HGJW7DSXY:4:2148:12753:3129_1:N:0:TCTGCAAG+GCTGCACT
TCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAAT
ACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTT
ACT

+

@A00721:190:HGJW7DSXY:4:2156:26178:14544_2:N:0:TCTGCAAG+GCTGCACT
CACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCG
GTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAA

+

@A00721:190:HGJW7DSXY:4:1471:20446:32737_1:N:0:TCTGCAAG+GCTGCACT
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAATACTTCAAGTACCTGAACTTT
ACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTAT
TCC

+

@A00721:190:HGJW7DSXY:4:1372:30526:27774_1:N:0:TCTGCAAG+GCTGCACT
GGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAATTT
TAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCC
TTT

+

@A00721:190:HGJW7DSXY:4:1309:17788:1235_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGA
ATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAG

+

@A00721:190:HGJW7DSXY:4:1234:9706:14920_2:N:0:TCTGCAAG+GCTGCACT
GAATTCCTGGCGAACCGCAAATCAATTGAAGAAAACCACTCCCTTCAATTCAATAACATAACATACCA
TACACTCCCCAAACATAACATAACCATAACCTACCATGACCAATCATCG

+

@A00721:190:HGJW7DSXY:4:1266:7970:11945_1:N:0:TCTGCAAG+GCTGCACT
ACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAG

@A00721:190:HGJW7DSXY:4:1129:8052:26146_2:N:0:TCTGCAAG+GCTGCACT
TCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCCCACATATGGTA
GACGTTGTCACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGG

+

FFFFFF,FF:F,FFFFFF
FF:FFFF

@A00721:190:HGJW7DSXY:4:2649:15157:11021_2:N:0:TCTGCAAG+GCTGCACT
GTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATT
GATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1656:2582:4586_1:N:0:TCTGCAAG+GCTGCACT
GCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAAGATGAGGAAGTCTAA
GAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGA
AGT

+

FFF:FFFFFFFFF:FF:FFFFFF
FFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2266:9353:15562_2:N:0:TCTGCAAG+GCTGCACT
GGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAG
ATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATG

+

FF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1306:6831:34835_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+

F:FFFFFF,FFFF:FF:FF
FF::F::FFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1342:12626:29653_2:N:0:TCTGCAAG+GCTGCACT
TTAACGTGGCAGAATTCGGTAACCTACCATATTGTTCTTCCGGAAGTTGTGGGATTTAACTTTGAC
TCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTC

+

:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1439:19587:11898_1:N:0:TCTGCAAG+GCTGCACT
TAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGC
TCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTATGATTCAAAC
CTA

+

FF
FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1447:24189:19523_2:N:0:TCTGCAAG+GCTGCACT
ACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTGCGCGAGTTTCCAGAATTGCGGTTGAAGT
TCACCCATTCTATCTTGAATGCTCACGCCGTCGAGCCATATCGAGAC

+

FF
FFFFFFFFFFFFFF:FFFFFFF:FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1552:2962:30295_2:N:0:TCTGCAAG+GCTGCACT
AAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAAAC

CCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATG
+
FFFFFFFFFFFFFFFF:FF
FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2368:31024:9126_2:N:0:TCTGCAAG+GCTGCACT
AACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTC
GTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGC
+
FF,FFFF:FFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:2358:27037:9987_2:N:0:TCTGCAAG+GCTGCACT
ACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGTC
TTAGTTTGTCCCGCGGAATTATTGGACACGATGAAAAATGACATACCC
+
FFFFFFFFFFFFFFFF:FFFFF:FFFFFF:FFFFFF:FFFFFF,FFFFFFFFFFFF:F:FFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1564:17291:36605_1:N:0:TCTGCAAG+GCTGCACT
TCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCT
CACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCA
TTG
+
FF
FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2627:1642:19993_2:N:0:TCTGCAAG+GCTGCACT
ATTGAGCATTAAATGAGTTCCGAATAACTCGTAATAAATCTTCTCTAGTGGACAATTCAGAATACCTA
TTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTG
+
FF
FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF,F:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2450:3821:28839_1:N:0:TCTGCAAG+GCTGCACT
GAGGTTTCGTTCTCAATAAAAATTTTCTCAAGAGATTATGTTGATAAAGTTTTCTTCATAAGGGCT
ATTCAGTACGTCATGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCT
TCG
+
FFFF:FFFFFFFFFFFF::FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFF
FF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1664:27859:33927_2:N:0:TCTGCAAG+GCTGCACT
AGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGT
CGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTAC
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:1615:6298:21731_2:N:0:TCTGCAAG+GCTGCACT
AAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGC
CTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2353:8865:11490_2:N:0:TCTGCAAG+GCTGCACT
TCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAAAAT
GGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAACAC
+

FFFFFFFF,FF:F,FF:FFFF,FFFF:
FFFFFFFFFFFFFFFFFFFFFFFF:FFF::FFFF,FFF,FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1570:3477:12117_2:N:0:TCTGCAAG+GCTGCACT
GCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCA
AACTTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTGGATTGAAGG
+
FF
FF,FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1568:13386:30279_2:N:0:TCTGCAAG+GCTGCACT
GGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACT
CTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTC
+
FF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2456:28791:27618_1:N:0:TCTGCAAG+GCTGCACT
AGTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGCGACGCTGTTTCTCTTGGTATTTCTGAA
ATAGTTTATCAGAGCGTCATTTTCTTTGGGATCTTTCCTCTGGTAAGGGAATTATTAAATCATTCTT
CTC
+
FFF:FFF
FFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1535:6903:5995_2:N:0:TCTGCAAG+GCTGCACT
ATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCT
ACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTTGAAAGGAAAAT
+
FF
FFFFFFFFFFFFFFFFFFFF:FFFF::FF:FFFFFF:FFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:2438:7509:18443_1:N:0:TCTGCAAG+GCTGCACT
AAATACGTATGTCGGTGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGAT
ATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGAT
GTT
+
FFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2423:4689:22451_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTACGATTCTTAAAAGAAGTTTATTAAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAA
TGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGG
+
FF
:FFFFFFFFF:FFFFF,FF
@A00721:190:HGJW7DSXY:4:1502:24071:7044_1:N:0:TCTGCAAG+GCTGCACT
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTTA
AAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTGCGGAAAAC
GAT
+
FFFFFFFFFFFFFFFF,FFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1672:6931:17440_2:N:0:TCTGCAAG+GCTGCACT
CACTGTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTATAAATCCTG
ATGGCTCAGTACAGGGAGGAGATCGGAAGAGCGTCGTGTAGGGAAAGA
+

[illegible]

+

+

+

+

+

+

+

+

•

@A00721:190:HGJW7DSXY:4:2234:31168:8343_2:N:0:TCTGCAAG+GCTGCACT
AGACCTTTCTTGGGGAGTAAAGAGGGTTTGGAAATTACGGAACCTTCTCGTTCTTCATGAAGATCT
TCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF: :

@A00721:190:HGJW7DSXY:4:2622:30318:35931_1:N:0:TCTGCAAG+GCTGCACT
ACGAGATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTGGAGGGAAGACCACTGA
ACTTATAGCGACTTTTGTGCAATTTTTCGAAAAGGTCTTGAAGTACGTATTGCTACTGCTAATCGTA
ATT

+

FF: :FFFF,FFFFFFFF:FF: F
FF
FFF

@A00721:190:HGJW7DSXY:4:2456:12237:21652_1:N:0:TCTGCAAG+GCTGCACT
GTGACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTAT
GATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACG
TTC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1672:10050:23750_2:N:0:TCTGCAAG+GCTGCACT
CTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGCTTATACCATAGGTTACGGTGATTCCAAT
CAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTACTTC

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1230:17029:17581_2:N:0:TCTGCAAG+GCTGCACT
TTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCGCGCGACGTTTGTGCGGAACTCTCA
GAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTGAGAGAGGAC

+

FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:1237:28311:10598_1:N:0:TCTGCAAG+GCTGCACT
TTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCAA
GGTGAAAAGTTTGAAATTAACAAAGTCCTTGGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTAT
TCA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1214:29912:33661_2:N:0:TCTGCAAG+GCTGCACT
ACTTACCAGCACGTTTCGGCTGGTTAGAATTAAACCTCAAGATGACCCTGTTTTGCATCACAAACACA
TATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGT

+

FF:FFFFFFFFFFFF
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1302:15049:17002_1:N:0:TCTGCAAG+GCTGCACT
TTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGTAACTGTCACGTTTAGCACGGGAGGTTGC
AGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTC
AAG

+

:FFFFFFFF,FFFFF:FF:F,FFFF:F:FF::FFF:F:FF:FFFFFFFFFFFFFFFF:FFFFF

,FFFFFF:FFF:FFFF,FFF:FFFFFFFF:FFFFFFFFFFFF,FFF:F::FFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1527:19822:6449_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACCACTTAACGTCAC
CGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGTTGT

+
FF
FFFFFFFFF,,FFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFF:FFF,FFF

@A00721:190:HGJW7DSXY:4:1119:9986:29684_1:N:0:TCTGCAAG+GCTGCACT
GATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCAGGTTTAGCTGTATC
ATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAA
CTT

+
FFF:FFFFFFFFFFFFF:F:FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1343:27597:7670_1:N:0:TCTGCAAG+GCTGCACT
CAACGGAAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGT
TTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGA
TTG

+
FFFF:FFF:FFFFF,FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF:FFFF,:FF
:FF

@A00721:190:HGJW7DSXY:4:1143:16631:28322_2:N:0:TCTGCAAG+GCTGCACT
CTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTAT
TTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAAACTTGATGCTTCA

+
F:FF
FFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1316:6352:30624_2:N:0:TCTGCAAG+GCTGCACT
CATAACCCCGCACAGAATATCGTTTATCACGCAAAATTTATTAATGCAATTTTCGGACCTATCTTTAA
GGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTAT

+
FF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1209:8332:15013_1:N:0:TCTGCAAG+GCTGCACT
TGACCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGT
GAAATCGATTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTGTAAAGCCTATGAGATAAAGATGTA
TT

+
FF
F:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF,FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1177:16568:21010_2:N:0:TCTGCAAG+GCTGCACT
TTCGATGCTGAATTTCTTGAACCTTGAGTGCCAGTGAATATTTTGTACGCGCAGGAGTATCCATAA
CGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAA

+
FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1309:21061:14638_2:N:0:TCTGCAAG+GCTGCACT
TAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTG
TCGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATC

+

FF
FF
@A00721:190:HGJW7DSXY:4:1325:11469:11177_2:N:0:TCTGCAAG+GCTGCACT
CAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTAC
AATATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTA

+
FF:FF:FFF:,::F,F,FFF,:FF,,FFF,F,FFFFFF:F:FFFF:FFF::FF:F:::, :F:F,FFF,
FF,F:,FFFF,,FF::FF:, :FFFF,,FFFF:,FFF,F,F:F,FF:FF
@A00721:190:HGJW7DSXY:4:1378:10845:5181_1:N:0:TCTGCAAG+GCTGCACT
TTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTGGCGATTAGCTCTTGC
GACTAATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAA
TAT

+
FFF:FF:FFFF:FFF,,F,FFFFFFFFFFFF:FF:FF:FFFFF,FFFFFFFF:, :F,FFFF:FFF:F:
:F:FFFF:FFFFFFFFFFFF:FFF,:FF,FF,FFFFFFFF:F,:FF:FFFF:F,F:FFFFFFFFF,:FFFF
,FF
@A00721:190:HGJW7DSXY:4:1134:7717:36119_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTAATAATT
TTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGAT

+
FF,FFFFFFFFFFFF
FFFFFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:1562:6017:21997_1:N:0:TCTGCAAG+GCTGCACT
CCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGC
GAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCG
CAA

+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2202:22616:23938_1:N:0:TCTGCAAG+GCTGCACT
ATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGA
AGATCATTAAGACTCTCTTTCTTCTTTGTTCTTCTTTGCACTGATTTTCTCCTCATCAGCTTGTTGTT
TT

+
FFFFFFFFFFFF:FFFF,F,:FFF:FF:F,FFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFF:
,FFFFFFFFFFFF,F:FFFFFFFF,F,FFFFFF:FFF:FFF:::FFFFFFFFFFFFFFFFFFFF:FFFFF
FF
@A00721:190:HGJW7DSXY:4:1171:27751:9220_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGCGAACTTTGGGAATTTGAAGCT
CAGGGTGAAGCACAACGTTTGACCGTGACGAAGTGTGGTGTTCTTGATCTACGTTACGGATATACTCT
CCT

+
FFFFFF:FFFFFFFFFFFF,FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1113:6515:12493_1:N:0:TCTGCAAG+GCTGCACT
ACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTGACGCCTTTAAGCGTCTTCTGTTCA
TCGCAACCAGATGATATCTTCTATTCTGAAGTATGTTTCGATCAGTGTCTTCTATCAGGAGGAAAA
CAC

+
FFFFFFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF,F:F:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2342:11849:17002_2:N:0:TCTGCAAG+GCTGCACT
AATCCTAACGTAGAAGATTGTTGTTTACCACCGAAATATCAAGTTCTTGTCTTCAAACGATTGGAA
GGTTACTTATCTTAATAGTACTAAAGGGGTTTACTTACAACCCTATGA

+

FFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1643:4164:9267_2:N:0:TCTGCAAG+GCTGCACT
TGTTTTCTTCTAATGTGGCCTGAACCTACGTTTCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTTGT
CTTCCTTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTAT

+

,FFFFFFFF,FF
F:FFF::FF:FFFF:FF:FF,FFFFFFFF:F:FFF:FF::FFFFFF:

@A00721:190:HGJW7DSXY:4:2312:9290:5494_2:N:0:TCTGCAAG+GCTGCACT
CTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGC
AGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTC

+

FFF:FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1472:8648:16908_1:N:0:TCTGCAAG+GCTGCACT
TTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTCTA
ATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCT
TCA

+

FFFFFFFFFFFFFFFFFFFF:FFFF::FFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFF,FFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1601:27489:14716_2:N:0:TCTGCAAG+GCTGCACT
ACATTACCCGAAAGACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTC
ACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCA

+

FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:1202:31259:20431_2:N:0:TCTGCAAG+GCTGCACT
TTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTC
AGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTAC

+

FFFFFF,F:FFF,:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFF:FFFFFFF::FFFFFFFFFFFF,FF,:FFF

@A00721:190:HGJW7DSXY:4:1572:22580:11694_1:N:0:TCTGCAAG+GCTGCACT
CCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTC
AAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTAT
CGT

+

:,FFFFFF:FFFF:FFFF,F,FF:FFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1554:17219:24267_2:N:0:TCTGCAAG+GCTGCACT
TACTATAGTGTTATTAATTCTGGTGGTGATGATAATCTTGGAGTCGTGACGTTGATGAAGCTATAAG
AGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTATC

+

:FFFFFFFF:FF:F,:,,FFFF,FFFF:F:F,:FFFFFF,:FFFFFFFF::FF::,,FFF:FFFF:FFFF
F:F,FFFFFF:FFFFFF:FFF,F:,F:FFFF,:FFF:FFFF:,,:F

@A00721:190:HGJW7DSXY:4:1535:22589:27524_1:N:0:TCTGCAAG+GCTGCACT
TGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTC

FFFFFFFFFFFFFFFF:FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2659:10610:33144_2:N:0:TCTGCAAG+GCTGCACT
CTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAG
GATGAAAAATTTTCTTCCTTGATTTTAATATAAAGAATCTTTACCAG

+

FFFFFFFFF:FFFFFF:FF:FF:FFFFFFFFF
FF:FFFFFFFFFFFFFFFF,FFFFFF,:FFFFFFFFF:FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2441:1985:14669_1:N:0:TCTGCAAG+GCTGCACT
AGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAA
CTTAGAACTCGAACTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGG
ACT

+

FFFFFFFFF,FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1545:11433:20666_2:N:0:TCTGCAAG+GCTGCACT
GTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCACTCCACCGGTG
AATGGTTTAAAGAATACTATAAATAGAATAGCTATTACTACTAATGGCG

+

FFF:FFFFFFFF:FF:FFFFFFFFF:FF
F:FF

@A00721:190:HGJW7DSXY:4:1645:17490:9048_2:N:0:TCTGCAAG+GCTGCACT
TAGTGACATCTGGTCAATTTCTTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATA
CGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCG

+

FFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFF,FFFFFF:FF::FFFF:FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1170:24930:4993_1:N:0:TCTGCAAG+GCTGCACT
TTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTA
AGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTT
AGA

+

FF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1146:26476:17409_1:N:0:TCTGCAAG+GCTGCACT
ATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGG
TGTTATCTCCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATT
ACG

+

FF:FFFFFF:FFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1310:13512:1877_2:N:0:TCTGCAAG+GCTGCACT
CCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATT
TTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAAT

+

FF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1178:13910:35509_1:N:0:TCTGCAAG+GCTGCACT
TATGCTGATCTAAAATTTGATCTAGATGGATCCACTCCTCGAGTTATCATGATGTTAGTATGTTATA
TACTGATTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAAC
CTC

[illegible]

FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2170:19840:19069_2:N:0:TCTGCAAG+GCTGCACT
AGTCATAACTTTTGTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTA
ACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTG

+
FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:1406:22941:26506_2:N:0:TCTGCAAG+GCTGCACT
CTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTACAATAGTTAATATCATATTAGTAAT
ACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGA

+
FF:FFFF
FF

@A00721:190:HGJW7DSXY:4:2274:31430:32064_2:N:0:TCTGCAAG+GCTGCACT
ACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATA
AAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCA

+
FF
FF

@A00721:190:HGJW7DSXY:4:2136:11993:25989_2:N:0:TCTGCAAG+GCTGCACT
AAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTA
CTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTTTTGTGAA

+
FF:FFFF::F,FFFFFFFFFFFF,FFFFFFFF:FF
FFFFFFFFFFFF,FFFFFFFFFF,FF:FFF:FFFF:,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2269:4942:16971_2:N:0:TCTGCAAG+GCTGCACT
GAAGACATTATCTCTTATGTACTTATTGTAACGATCATTCTTTCGAGTTTTGTCACTTCTTATTCTTTT
ATTCCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTG

+
FF:FFFFFFFFFFFF:FFFFFFF
FFF:F:FF

@A00721:190:HGJW7DSXY:4:2623:28592:1125_2:N:0:TCTGCAAG+GCTGCACT
ATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATT
TATTAAACGAATATTATCCGATTCTTCGAGGGTATCACTACCACTGA

+
FF:FFFFFFFFFFFF:FFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1427:26178:14450_2:N:0:TCTGCAAG+GCTGCACT
CAAGGAACCTTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTCTGA
CAAATTTTAGAATTTATTTTCTCAGAACTCTCTCCGATCACCTTGGTGTG

+
FF
FFFF:FFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2415:14931:24909_1:N:0:TCTGCAAG+GCTGCACT
TCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAAT
ACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTT
ACT

+
::FFF:FFFFFF,FFFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFF:FFF:FFFFFFF
FFFFFFFFFFFF,FFFFF:FFFFFFF:FFFFFFFFF,FFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2457:23809:18082_2:N:0:TCTGCAAG+GCTGCACT
CACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCG

GTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1511:24894:20400_1:N:0:TCTGCAAG+GCTGCACT
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTT
ACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTAT
TCC

+

FFFFFFFFFFF:FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1406:18747:3302_1:N:0:TCTGCAAG+GCTGCACT
GGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTT
TAGAAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCC
TTT

+

FFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1352:28782:4523_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGA
ATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAG

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:1103:16712:20885_2:N:0:TCTGCAAG+GCTGCACT
CCGCAAAATCAATTGAAGAAAACCACTCCCTTCAATTCAATAACATAACATACCATACACTCCCCAAAC
ATAACATACCATAACCTACCATGACCAATCATCGCTCCAACCTGGCACG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFF:,FF:FF,FFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFF,FFFFF:FFFFFFFFFFFFF:FF:FF:FFFFFFFFFFF,FFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1125:12337:27085_1:N:0:TCTGCAAG+GCTGCACT
CTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACAGGGACCCGCTGTGCAGAATAAC
CTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACG
GGC

+

F:FFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1239:2175:22420_1:N:0:TCTGCAAG+GCTGCACT
GAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTCTGTGGGAAGTACCTCAGTCAAA
AGTCACATTACCACTCCCATACCAATCAATGATGTGACTATACAGTTTCGGCCATTTCAAGAGTGGTC
AAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1119:29830:9533_1:N:0:TCTGCAAG+GCTGCACT
GTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAG
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAC
TGA
GAA

+

FFFFFFFFFFFFF:FFFFFFFFF:FFFF:FF
FFFFFFFFFFF

TTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTG
+
FFF,FFFF:FFFF:FF,,,:FFF:FF:FFFFFFF::FFFF:FF:FFF:,FF,F::,,,FFFF::FFFF
FFFF,FFF::F::FFFFFFF:FF:FFFFFF:FF,FF:F,,FFFFFFF
@A00721:190:HGJW7DSXY:4:1378:16450:36808_1:N:0:TCTGCAAG+GCTGCACT
TTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCC
TTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTTCGAATGTCATTAGTGCCTT
ACG
+
FFFFFFFFFFFF:F:FF:FF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1253:31810:17347_2:N:0:TCTGCAAG+GCTGCACT
TCCTTTTGAGTATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACT
TACCATATTGTTCTTCCGGAAGTTGTGGGATTTAACTTTGACTCAA
+
FFFFFFFFFFFFFFFFFFFF,FF
FFFF:FFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2372:17101:6558_2:N:0:TCTGCAAG+GCTGCACT
ATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGT
GAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1261:7798:32033_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGGTTGAGGAGACTTTACAGC
GGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC
GTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1127:26919:1329_2:N:0:TCTGCAAG+GCTGCACT
TTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTT
TTCATATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFF:FFFF:FFFFFFFF
FF:FFFFFFFFFFFF,
@A00721:190:HGJW7DSXY:4:1106:21423:14043_1:N:0:TCTGCAAG+GCTGCACT
GATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGC
TATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAG
TTG
+
FFFFFFFFFFFFFFFFFFFFFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2419:30490:33536_2:N:0:TCTGCAAG+GCTGCACT
ACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGTC
TTAGTTTGTCCCGCGGAATTATTGGACACGATGAAAAATGACATACCC
+
FF
FFFFFFFFFFFFFFFFFFFF:F:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2214:12915:29966_1:N:0:TCTGCAAG+GCTGCACT
TCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCT

CACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCA
TTG

+

F:FFFFFFFF:FF
FFFFFFFF:FF,FFFF
FFF

@A00721:190:HGJW7DSXY:4:2631:21242:31861_2:N:0:TCTGCAAG+GCTGCACT
ATTGAGCATTAAATGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTA
TTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTG

+

FFFFFFFF:FFF:FF:FF:FFFFFFFFFFFFFFFF
FFF:FF,F:FF:,FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1275:15221:9345_2:N:0:TCTGCAAG+GCTGCACT
AGGTTCTGTTCTCAATAAAAATTTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTA
TTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCG

+

FF,F:FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1119:20961:23703_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATAC
GAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAA

+

FF
FFFFFF:FF

@A00721:190:HGJW7DSXY:4:2318:7111:7420_2:N:0:TCTGCAAG+GCTGCACT
TACACGTTATGCTCGCAAACCTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAG
AAAAGATTACAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1113:21151:7654_2:N:0:TCTGCAAG+GCTGCACT
TTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTG
AACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1240:28556:29684_2:N:0:TCTGCAAG+GCTGCACT
GAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTG
ATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1265:6813:11099_1:N:0:TCTGCAAG+GCTGCACT
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTT
TCG

+

FFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1119:1750:24314_1:N:0:TCTGCAAG+GCTGCACT
GTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGGTATTTCTGAAA
TAGTTTATCAGAGCGTCATTTTCTTTGGGATCTTCTCTGGTAAGGGAATTATTAATCATTCTTC
TCA

[illegible]

@A00721:190:HGJW7DSXY:4:2664:18484:27336_1:N:0:TCTGCAAG+GCTGCACT
GCTTTATCATAAAGCATTACCACCAATTTAGCACTTTTTGAATATGACAGAAGCTCGCCATATCAGA
TTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGT
CCA

+

FFF:FFF,,FFFFFF:FFF:FF,F:,F:,F::,FFFFFF,FFFFFF,, ,FFFFFF:FFFFFFF
FFFFFFF::FFF:FFFFFF::FF:FF,FFF:FF:F::FFFFFF:FFF:FFFFFFFFFFFFFFF::FF
F,F

@A00721:190:HGJW7DSXY:4:2209:5376:20697_2:N:0:TCTGCAAG+GCTGCACT
CCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTGCGAGGATGACAGGTGGGAGACCGCTCAATAA
CACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCT

+

FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2633:19587:15718_1:N:0:TCTGCAAG+GCTGCACT
TCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTAATCGTGAGGTTACGAGAGTTTCGTACTTGGGT
TATCGGTTGTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGTTCTATTACCACCT
TGT

+

FFFFFFFFFFFFFFF:FFFFFFFFF::FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1156:17264:36839_2:N:0:TCTGCAAG+GCTGCACT
TGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAG
AGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTG

+

FFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1610:3323:14011_1:N:0:TCTGCAAG+GCTGCACT
TTTTCTTTCCCTCCCTTTTTCGATTGGATTGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGT
TTTTCTTTTATGGGACTCTTGTTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGTAGGT
CTC

+

FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1473:31684:4570_1:N:0:TCTGCAAG+GCTGCACT
GGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCC
GTGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTG
TCG

+

FFF:FFFFFFFFFFFFFFF,FFFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1130:19750:18787_2:N:0:TCTGCAAG+GCTGCACT
GGCTGTGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTCACAAGGATTAC
TAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGA

+

FFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1117:16016:11350_2:N:0:TCTGCAAG+GCTGCACT
GTCTTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGATAC
CGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACGTCTCCACTGA

+

FFF
FFF
@A00721:190:HGJW7DSXY:4:1130:9037:28667_2:N:0:TCTGCAAG+GCTGCACT
AAAGACGACCTTCTTGTTGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTGAAAG
GGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAA
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:1121:26323:32299_1:N:0:TCTGCAAG+GCTGCACT
TAAAGGTAGGAAGGGGAGAAAAACAAGAACAAGCGAGCGGTTGAAGAGAAAACCTGATATGGTTGCGGCTG
ATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTCAGAGTTACGTAGT
GGT
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1310:26793:23563_1:N:0:TCTGCAAG+GCTGCACT
TTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAA
ACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAAGCTATT
AAT
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1224:18593:29966_2:N:0:TCTGCAAG+GCTGCACT
AAACTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTGGAACTGTGTAATGT
CCTACGTACTGTTCAAGGTGTTTGGGCTTCTCTAAAGAACAGCAACTT
+
FFFFFFF,FFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1126:25274:35775_2:N:0:TCTGCAAG+GCTGCACT
GGCTGATGACTTAAATTTGCATTCTGCTTCGACGGTAATTCATAAGACCTTCTTGGGGAGTAAAG
AGGGTTTGAAAATTACGGAACCTTCTCTGTTCTTCATGAAGATCTTC
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF::F:FF
@A00721:190:HGJW7DSXY:4:1236:21748:32268_2:N:0:TCTGCAAG+GCTGCACT
GTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTGTTGACTACGATCTCTTGTGAATAAGAAGTTCT
TCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAAC TTATAG
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF:,FFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1237:18276:1078_1:N:0:TCTGCAAG+GCTGCACT
TTCGAAAAGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCTCGAGAAGAGATAGTACTAA
AGTTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTG
ATC
+
FFFFFFF,FFFFFFFFF,,FF:FFFF::FF,F,FFFFFFFFF:, :F:FFFF,FFFFFFFFF,
FFFFFFFFF:FFFFFFFFF::F::F:FFFFFFFF:FFFFF,:F,FF:FFFF,:FFFFFFFF,FFFF:
FF:
@A00721:190:HGJW7DSXY:4:1225:13657:24173_2:N:0:TCTGCAAG+GCTGCACT
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTAT
TCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGG
+

FF
FF
@A00721:190:HGJW7DSXY:4:1112:30644:9283_2:N:0:TCTGCAAG+GCTGCACT
GTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTACTTCAAC
ATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1237:28311:10598_2:N:0:TCTGCAAG+GCTGCACT
CGGCCGACGTTTGTGCGGAACCTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGA
GAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAA
+
FFFFFFF:FF
FFFFFFFFFFF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FF
@A00721:190:HGJW7DSXY:4:2320:3215:30326_2:N:0:TCTGCAAG+GCTGCACT
ATATTACTTTCACCTCAAGGTGAAAAGTTTGAATAAACAAAGTCCTTGTAAGAGTAAGGTTAAATGT
GAAGATGCTCAGACTATTCATGAAGTTCAAGGTAATACTTACCAGCAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1326:3992:2049_1:N:0:TCTGCAAG+GCTGCACT
ATGACCCTGTTTTGCATCACAAACACATATTACCGTTGCTCTATCACACACGTTGAATCTTTACGAT
ACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCA
CGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1252:21016:36730_1:N:0:TCTGCAAG+GCTGCACT
TGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGC
CTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTT
ATT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1263:16568:17284_1:N:0:TCTGCAAG+GCTGCACT
CTTAACGTCACCTCGGTAATCTTTAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGATCGAA
TTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCCTGAGCCGCGTAGTCAGCGCGTTTAGCTG
TAT
+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFF,F:FFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1148:26404:34976_1:N:0:TCTGCAAG+GCTGCACT
TATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTT
TCACAACGGAAAGACATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGG
TGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1338:8467:20259_2:N:0:TCTGCAAG+GCTGCACT
CTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAAC

AATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAAT
+
FFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1314:7997:1877_1:N:0:TCTGCAAG+GCTGCACT
ATATGACCTATTTTAAGCTCATGGTGAAGGGAAGCTAAGTTAACTTGATGCTTCAGCCTTTTCG
AAGCATAACCCCGCACAGAATATCGTTTATCACGCAAAATTTATTAATGCAATTTTCGGACCTATCTT
TAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1150:26612:13385_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTTACCCAACATTTTATGTATACAGAGATGACCACTGACGATTTCTCCCGAAGCTCTTCTC
TCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCTCAAG
ATT
+
FF:FF,FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1106:12292:25441_2:N:0:TCTGCAAG+GCTGCACT
AGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTGAGTGCCA
GTGAATATTTTGTACGCCAGGAGATCGGAAGAGCGTCGTGTAGGGA
+
FF,FFFF
FF,F,FFFF
@A00721:190:HGJW7DSXY:4:1268:10890:8265_2:N:0:TCTGCAAG+GCTGCACT
ACGCCAACACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGG
AAAGTTTTTCGGCTGTGGTTGTCGCTGGGACGATTCCATTCTGTTTTTC
+
FF,FFFFFFF,FFF
F,FF
@A00721:190:HGJW7DSXY:4:1378:26910:1063_2:N:0:TCTGCAAG+GCTGCACT
CAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTAC
AAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTA
+
FF:FFFFFFF
FFF:FF
@A00721:190:HGJW7DSXY:4:1524:30101:16110_1:N:0:TCTGCAAG+GCTGCACT
TTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTGGCGATTAGCTCTTGC
GACTAATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAA
GAT
+
FF
FF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1166:18159:5415_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTAAGAAAT
TTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGAT
+
FFFFFFFFFF:FFFFF:FF,F:FFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1116:27651:27398_1:N:0:TCTGCAAG+GCTGCACT
GACTGGAGTTCAGACGTGTGCTCTCCGATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGC

GAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCG
CAA

+

F::FFFFFF:F,FFFFFFFFFFFFFF:F,FF:::,F::FFFFFFFF:FFF:FFFFFF:F:FFFFFF
FFFFFFFFFFFFFF:FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1178:21323:34068_2:N:0:TCTGCAAG+GCTGCACT
ACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTC
TTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCATCAGCTTGT

+

FF
F,:F,FF

@A00721:190:HGJW7DSXY:4:1373:28953:8390_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGCGAACTTTGGGAATTTGAAGCT
CAGGGTGAAGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTCT
CCT

+

FFF:FF
FFFFFFFFFFFFFF,FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1155:29306:35305_1:N:0:TCTGCAAG+GCTGCACT
ACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTCGACGCCTTTAAGCGTCTTCTGTTCA
TCGCAACCAGATGATATCTTCTATTCGAACTTATGTTTCGATCAGTGTCTTCTATCAGGAGGAAAA
CAC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2111:18231:27586_2:N:0:TCTGCAAG+GCTGCACT
TGTTTACCACCGAAATATCAAGGTTCTTGTCCTTCAAACGATTGGAAGGTTAGTTATCTTAATAGTAC
TAAAGGGGTTTACTTACAACCCTATGACGATAGTTTCTCTTTACACAC

+

FF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFF

@A00721:190:HGJW7DSXY:4:2401:31403:12947_2:N:0:TCTGCAAG+GCTGCACT
TGTTTTCTTCTAATGTGGCCTGAACTACGTTTCACTTTGTGTGTAAGTTTCTATTTTAAAGTTTGT
CTTCCTTGTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTAT

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF:,FFFFFFF:FFFF:FFFFFFFF:FFFFFFF,FFF,FF:FF

@A00721:190:HGJW7DSXY:4:2441:14669:26396_2:N:0:TCTGCAAG+GCTGCACT
CTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGC
AGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTC

+

FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1570:10357:3114_1:N:0:TCTGCAAG+GCTGCACT
TTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTCTA
ATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTC
TCA

+

FFFFF:FFFFFFFFFFFFFFFF:F::FFFFFFF,FFFF:FFFFFF:FFFFFFFF
FFFFFFFFFFFF,:FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1601:27751:14763_2:N:0:TCTGCAAG+GCTGCACT
ACATTACCCGAAAGACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTC
ACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCA

+

FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1325:1325:27305_2:N:0:TCTGCAAG+GCTGCACT
TTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTC
AGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAACTAC

+

FFFFFFFFFFFFFFFFFFFF:,FFF:FFFF:FFFFFFFFFFFFFFFF,FFF:FFF:FFFFFFFFFFFFFFFFFFFF
F:FF

@A00721:190:HGJW7DSXY:4:1636:19533:28494_1:N:0:TCTGCAAG+GCTGCACT
CCGGATTACCTGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTC
AAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTAT
CGT

+

FF:FFFF
FFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1562:11379:10332_2:N:0:TCTGCAAG+GCTGCACT
TACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAG
AGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTC

+

FF:F:FFF:
FF

@A00721:190:HGJW7DSXY:4:1569:6533:28181_1:N:0:TCTGCAAG+GCTGCACT
TGAAGGAGGAGGTTTCTGTTACTGGAACCTTCGTCAATACTTTTCAATAATATACGTCTTGAACCTC
ACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGT
TAT

+

FF:FFFFFFFF
FFFFFFFFFFFF:FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1353:27679:11036_1:N:0:TCTGCAAG+GCTGCACT
CCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAA
GCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTC
TGC

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FF,
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1358:24279:2268_1:N:0:TCTGCAAG+GCTGCACT
CTTCGTGCTGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCG
CTGCTGGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTC
ACT

+

FFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1252:30689:37012_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTA
TCGTTCAAGTGTCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTNTGGTAGTATCGAAGTAAAGA
TAA

+
.:FFFFFFFF:FFF:FF
F:FF#FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1136:28013:24612_1:N:0:TCTGCAAG+GCTGCACT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAG
GTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTC
TCT
+
FFFFF:FF
FF:
FFF
@A00721:190:HGJW7DSXY:4:1204:6325:4085_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGT
TCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2247:17119:9909_2:N:0:TCTGCAAG+GCTGCACT
TTGGAACGAAGGCGACCTGTTCCGGAGTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAG
CGAAATACGATTTCGAACGTCAAGATCGGAAGAGCGTCGTGTAGGGAA
+
FF
FFF:FF:
@A00721:190:HGJW7DSXY:4:1163:11840:12853_2:N:0:TCTGCAAG+GCTGCACT
ATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCCTCTTCTACGAGTATTGC
TATTTATACGTTACGAGAAGAAGGTTCGAAAGTTTGAGAACTTAGTT
+
FF:FF
FFFFF:FF
@A00721:190:HGJW7DSXY:4:1262:15293:5400_2:N:0:TCTGCAAG+GCTGCACT
ACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAA
TTTTCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACTCCTAC
+
FF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:
FFFFFFFFFF:FFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1170:1561:36761_2:N:0:TCTGCAAG+GCTGCACT
TCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCACTTAGAACTCGA
AACTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAAT
+
FF
FF:
@A00721:190:HGJW7DSXY:4:1458:31638:1611_1:N:0:TCTGCAAG+GCTGCACT
TTCGATAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTA
CGAAGTATCACTCCACCGGTGAATGGTTTAAAGAATACTATAAATAGAATAGCTATTACTACTAATGGC
GTT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1650:11749:12226_2:N:0:TCTGCAAG+GCTGCACT
TAGTGACATCTGGTCAATTTCTGTTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATA
CGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCG
+

FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
F:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF
@A00721:190:HGJW7DSXY:4:1205:16848:4022_1:N:0:TCTGCAAG+GCTGCACT
TTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTA
AGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTT
AGA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1414:3676:18630_1:N:0:TCTGCAAG+GCTGCACT
ATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGG
TGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATT
ACG
+
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FF
:FF
@A00721:190:HGJW7DSXY:4:1342:12979:20494_2:N:0:TCTGCAAG+GCTGCACT
CCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATT
TTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAAT
+
FF:F:FFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1538:11243:24721_1:N:0:TCTGCAAG+GCTGCACT
TATGCTGATCTAAAATTTGATCTAGATGGATCCACTCCTCGAGTTATCATGATGTTAGTATGTTATA
TACTGATTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAAC
CTC
+
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F::FFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1363:4345:4914_2:N:0:TCTGCAAG+GCTGCACT
GAGATCACACATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAAT
AAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2407:8052:17910_2:N:0:TCTGCAAG+GCTGCACT
CTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCG
GCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2146:15872:25755_2:N:0:TCTGCAAG+GCTGCACT
AAAAGGCTCTAAAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGT
ATTATGTGGAGATATCGTGATATCAGTACGTCCAGATCCTCTGCTTT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFF:
FF:FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2430:2139:10833_2:N:0:TCTGCAAG+GCTGCACT
ATCAAATATAAAGAAAAGGACTATGAAATAAAAGATTTGGTGCTTAGGGATATAATGAATTCAGCACC
ACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTC
+

F:FF
FF
@A00721:190:HGJW7DSXY:4:2118:32922:11162_1:N:0:TCTGCAAG+GCTGCACT
CCAACATTTACCACCAAATCTTTTGATACAACCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACG
CTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGT
TTA
+
FF
FF:
FFF
@A00721:190:HGJW7DSXY:4:1162:29469:16266_2:N:0:TCTGCAAG+GCTGCACT
AAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTA
AATGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACA
+
FF:FFFFFFFF:FFFFFFFFFFFFFFFF:F:FF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFF
F,FFFFFFFF,FFFFFFFF:FFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:2131:23321:11162_2:N:0:TCTGCAAG+GCTGCACT
AATTCTACGAAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACG
TAGTGAACGCGTTCGTAGAACCAAGTACTTCCGTCTGAAGAGTTTAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2161:18394:1063_1:N:0:TCTGCAAG+GCTGCACT
TAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACT
GACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTAATA
ATA
+
FF
FF:
FFF
@A00721:190:HGJW7DSXY:4:2278:19144:6496_2:N:0:TCTGCAAG+GCTGCACT
AGTCATAACTTTTGTTACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTA
ACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTG
+
FF
FFFF:FFFFFFFF:FFFFFFFF:FFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2103:1181:6136_2:N:0:TCTGCAAG+GCTGCACT
CTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAAT
ACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGA
+
F:FFFFFFFF:F::FFFFFF,F:FFFFFFFF:FFFFFF:FFF:FFFFFFFF
FF,FF,FFFFF:FFF:F,FFFFFF,,FFFF,F:FFFFFF,F
@A00721:190:HGJW7DSXY:4:2314:29252:8187_2:N:0:TCTGCAAG+GCTGCACT
ACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATA
AAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2136:13856:26083_2:N:0:TCTGCAAG+GCTGCACT
AAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTA
CTTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTTTTGTGAA
+
FFFFFFFFFFFFFFFF,FF:FFFFFFF
FF:FFFFF:F,FFFF

@A00721:190:HGJW7DSXY:4:2511:31485:29966_2:N:0:TCTGCAAG+GCTGCACT
GAAGACATTATCTCTTATGTACTTATTGTAACGATCATTCTTTCGAGTTTTGTCATTCTTATTCTTTT
ATTCCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTG

@A00721:190:HGJW7DSXY:4:1612:5240:11694_2:N:0:TCTGCAAG+GCTGCACT
CCGCAATCAATTGAAGAAAACCACTCCCTTCAATTCAATAACATAACATACCATACACTCCCCAAAC
ATAACATACCATAACCTACCATGACCAATCATCGCTCCAACCTGGCACG

@A00721:190:HGJW7DSXY:4:1149:13838:9392_1:N:0:TCTGCAAG+GCTGCACT
CTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTTCAGGGACCCGCTGTGCAGAATAAC
CTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACG
GGC

@A00721:190:HGJW7DSXY:4:1322:19388:27712_1:N:0:TCTGCAAG+GCTGCACT
GAGGTCGCTCGTAACATTGACGTCAGTCCCGTCATCTCTGTGGGAAGTACAGGCAGTACCACAGTCAAA
AGTCACATTCACCACTACCATACCAATCAATGATGTGACTATACAGTTCGCCATTTCAGAGTGAGTCA
AAT

@A00721:190:HGJW7DSXY:4:1633:31819:1110_1:N:0:TCTGCAAG+GCTGCACT
GTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAG
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGA
GAA

@A00721:190:HGJW7DSXY:4:1326:20537:2675_2:N:0:TCTGCAAG+GCTGCACT
AGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGG
TTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGT

@A00721:190:HGJW7DSXY:4:1343:30129:25113_1:N:0:TCTGCAAG+GCTGCACT
GCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTA
CAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTT
TTG

@A00721:190:HGJW7DSXY:4:1408:30987:9533_1:N:0:TCTGCAAG+GCTGCACT
CAAAGTGAAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTG
TGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGA
AGA

[illegible]

@A00721:190:HGJW7DSXY:4:1410:2953:11898_1:N:0:TCTGCAAG+GCTGCACT
AGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCAGAATGCGGGC
TTT

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,F,FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1314:23972:25473_2:N:0:TCTGCAAG+GCTGCACT
GCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTTCTGGGAGGCTGCTTTCCTCCATAATTA
CAACCTCTCTTTAGAGAGCATTAGAAAGATCGGAAGAGCGTCGTGTAG

+

FF:FF:FFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFFF:

@A00721:190:HGJW7DSXY:4:2466:5620:33082_2:N:0:TCTGCAAG+GCTGCACT
GTTGTCACACTTTTCTTGAAAATTTTCTTTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGA
AGGTGTCAAGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACAT

+

FFFFFFF:FFFFFFFFF,FFFFFFFFF:,FFFFFFF,FFFFFF,F,:FFFFFFFF:F:FFF:F:FF:F
:FFF:FFFF::FFFFFFFFF:FFFFFFF,FFFFFF,F::FFFFFF:FF

@A00721:190:HGJW7DSXY:4:1244:14461:29324_1:N:0:TCTGCAAG+GCTGCACT
ACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTCCAGCT
GTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTGAGAAGATGAGGAAGTCTAAGAG
GAG

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1316:17861:34084_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGA
TTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATA
ATC

+

FFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:1671:23005:3317_2:N:0:TCTGCAAG+GCTGCACT
GGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACA
AGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCAT

+

FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1106:7771:5024_2:N:0:TCTGCAAG+GCTGCACT
AGGTCCTTTTGAGTATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTA
ACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTAACTTTGACT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1338:19859:1564_2:N:0:TCTGCAAG+GCTGCACT
GGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAA
AAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGC

+

FFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFF
FFF:FFFFFFF::FFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFF

$+$

@A00721:190:HGJW7DSXY:4:1420:15121:13182_2:N:0:TCTGCAAG+GCTGCACT
TTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTT
TTCATATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTC

+

@A00721:190:HGJW7DSXY:4:1343:8223:12320_1:N:0:TCTGCAAG+GCTGCACT
GATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGC
TATCGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAG
TTG

+

@A00721:190:HGJW7DSXY:4:2524:19361:35837_2:N:0:TCTGCAAG+GCTGCACT
ACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTGCTC
TTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCC

+

@A00721:190:HGJW7DSXY:4:2467:16776:32863_1:N:0:TCTGCAAG+GCTGCACT
TCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCT
CACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCA
TTG

+

@A00721:190:HGJW7DSXY:4:1140:11433:12242_2:N:0:TCTGCAAG+GCTGCACT
GCATTAATGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCC
GTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGG

+

@A00721:190:HGJW7DSXY:4:1115:10872:33473_2:N:0:TCTGCAAG+GCTGCACT
AAATTTTCTCAAGAGATTATGGTTGATAAAGTTTCTTCATAAGGGCTATTCAGTACGTCATGGGA
TCACCTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGC

+

@A00721:190:HGJW7DSXY:4:1672:25021:11663_2:N:0:TCTGCAAG+GCTGCACT
AGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGT
CGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTAC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1252:2121:5854_2:N:0:TCTGCAAG+GCTGCACT
TAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACG
GTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2474:14705:4351_2:N:0:TCTGCAAG+GCTGCACT
TCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAAAAT
GGTGAACCGGTCTCTAAATCTTTGAGATTGAGAAGATTGAAGAACAC

+

FFFFFFFFFFFF, :FF
FF

@A00721:190:HGJW7DSXY:4:1638:32994:8469_2:N:0:TCTGCAAG+GCTGCACT
GCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCA
AACTTCGAGGTTGAGTACGAGAGGTGATCCCGGATGTGGATTGAAGG

+

FF
:FF:FFF

@A00721:190:HGJW7DSXY:4:2465:28402:21715_2:N:0:TCTGCAAG+GCTGCACT
GGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACT
CTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAATTTTC

+

FF
FF:FFFFFFFF
FF, FFFFFFFFFF,

@A00721:190:HGJW7DSXY:4:1162:29921:13197_1:N:0:TCTGCAAG+GCTGCACT
GTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTTGGTATTTCTGAAA
TAGTTTATCAGAGCGTCATTTTCCTTTGGGATCTTCTCTGTTAAGGGAATTATTAATCATTCTTC
TCA

+

FF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1647:19669:33896_2:N:0:TCTGCAAG+GCTGCACT
ATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTC
ACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTGAAAGGAAAAT

+

FF
FFF:FFFFFFFFFFFF:F,FFFFF,FFFFFFFFFFFF:FFF:FF,FFFFFF

@A00721:190:HGJW7DSXY:4:1326:16821:10989_2:N:0:TCTGCAAG+GCTGCACT
AATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATGCCACTGGGATTCTAAGGGGTTCCATAAGATA
TTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1162:22535:32095_1:N:0:TCTGCAAG+GCTGCACT
ATTTGGATGTTGTGAAAACATCAGGTTCTTGTCACGATTCTTAAAAGAAGTTTATTAAACTTCAG
AGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTC
TGT

+

FF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1504:29098:17566_1:N:0:TCTGCAAG+GCTGCACT
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTTA

@A00721:190:HGJW7DSXY:4:1675:12436:35806_1:N:0:TCTGCAAG+GCTGCACT
TTTTCTTCCCTCCCTTTTTCGATTGGATTTCGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGT
TTTTCTTTATGGGACTCTTGTGTGACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGTAGGT
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1610:16929:26209_1:N:0:TCTGCAAG+GCTGCACT
GGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCC
GTGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTG
TCG

+

FFFFF:FF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1229:14199:16282_2:N:0:TCTGCAAG+GCTGCACT
GGCTGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTAC
TAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGA

+

FF
FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1362:19940:12790_2:N:0:TCTGCAAG+GCTGCACT
GTCTTGTCGAAAAATATCGCCGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATAC
CGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACGTCTCCACTGA

+

FF
F:FF:FFFFF

@A00721:190:HGJW7DSXY:4:1321:23647:5932_2:N:0:TCTGCAAG+GCTGCACT
AAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAG
GGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1314:26530:35008_1:N:0:TCTGCAAG+GCTGCACT
TAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGAGAAAACCTGATATGGTTGCGGCTG
ATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCAGAGTTACGTAGT
GGT

+

FFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1316:29288:22654_1:N:0:TCTGCAAG+GCTGCACT
TTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAA
ACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAGCTATT
AAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1460:8061:27070_2:N:0:TCTGCAAG+GCTGCACT
AAACTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTGGAACTGTGTAATGT
CCTACGTACTGTTCAAGGTGTTTGGGCTTCTCTAAAGAACAGCAACTT

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1614:5990:23766_2:N:0:TCTGCAAG+GCTGCACT
GGCTGATGACTTAAATTTTCGATTCTGCTTCGACGGTCATTCCATAAGACCTTTCTTGGGGAGTACAG
AGGGTTTTGAAAATTACGGAACCTTTCCTCGTTCCTCCTGAAGATCTTC
+
,FF,FFF:F:F,FFFFFFFFFFFFFFF,:F,:::FFF,FF,F,FFFFFF,FFF,,, :FFFF,F,F:F,F,
F:, ,FF:FFFFFF,F:::FF::F,F:,FFF,FFFF,FF:FFF:F,, :
@A00721:190:HGJW7DSXY:4:1423:13919:15013_2:N:0:TCTGCAAG+GCTGCACT
GTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTGTGACTACGATCTCTTGTATAAGAAGTTCT
TCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAAC TTATAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1239:12879:1564_1:N:0:TCTGCAAG+GCTGCACT
TTCGCAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCGAGAAGAGATAGTGACTAA
AGTTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTG
ATC
+
FFFFFFFF:F:F,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
FFF
@A00721:190:HGJW7DSXY:4:1226:25744:26631_2:N:0:TCTGCAAG+GCTGCACT
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTAT
TCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1261:7437:3286_2:N:0:TCTGCAAG+GCTGCACT
GTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGCAAAC TACTTCAAC
ATCAACGACATCATTTCTTGATGAGTGTCGTTTCGTATCGAAGTCTCAGT
+
F:FFFFFFFF:FFFFFFFFFFFF:,FF:FFFFFFFFFFFF:,FFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFF::FFFF:FFFF:,FFFFFFFF:FFFFF,FFFFFF:FF:FFFF,
@A00721:190:HGJW7DSXY:4:1266:5240:8782_2:N:0:TCTGCAAG+GCTGCACT
CGGCCGACGTTTGTGCGGAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGA
GAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:2456:15356:15718_2:N:0:TCTGCAAG+GCTGCACT
ATATTACTTTCACTCAAGGTGAAAAGTTTGAATTAACAAAGTCCTTGGTAAGAGTAAGGTTAAATGT
GAAGATGCTCAGACTATTCATGAAGTTCAAGGTAATACTTACCAGCAC
+
FF:FFFFFFFF:FFFFFF:FF,FFFFFFFF:FFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2615:13358:22060_1:N:0:TCTGCAAG+GCTGCACT
ATGACCCTGTTTTTGCATCACAAACACATATTACCGTTGCTCTATCACACACGTTGAATCTTTACGAT
ACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCA
CGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFF:FFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```


@A00721:190:HGJW7DSXY:4:1351:32036:20870_1:N:0:TCTGCAAG+GCTGCACT
TGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGC
CTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTT
ATT

+

FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1454:32334:32189_1:N:0:TCTGCAAG+GCTGCACT
CTTAACGTCACCTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGATCGAA
TTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTG
TAT

+

FF:FFFFFF
FF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1374:21938:11647_1:N:0:TCTGCAAG+GCTGCACT
TATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATCTTATGAGGCTCGAACTTCAACGTTT
TCACAACGGAAAGACATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGTTCTTGAACGG
TGT

+

FFFFFFFFF:FF
FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1533:12283:15468_2:N:0:TCTGCAAG+GCTGCACT
CTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAAC
AATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAAT

+

FFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2242:14651:16689_1:N:0:TCTGCAAG+GCTGCACT
ATATGACCTATTTTAAAGTCATGGTGAAAAGGGAAGCTAAGGTTAAACTTGATGCTTCAGCCTTTTCG
AAGCATAACCCCGCACAGAATATCGTTTATCACGCAAAATTTATTAATGCAATTTTCGACCTATCTT
TAA

+

FFFFFFF,F:FFFFFFFFFFFF:F:FFFF:FFFFFFFFFFFF:F:FFF:FFF,FFFFFFFFFFFFFFFF
FF,FFFFF::F,FFFFFFFFFFFF:FFFF::F,FFFFFFFFFFFFFFFF:FFFFFFF,FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1150:27561:14559_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTC
TCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCTCAAG
ATT

+

FFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1138:31204:10003_2:N:0:TCTGCAAG+GCTGCACT
AGCCTATGAGATAAAGATGTATTCTTATTAGGCTTCGATGCTGAATTTCTTGAATTTGGAGTGCCA
GTGAATATTTTGTACGCCAGGAGATCGGAAGAGCGTCGTGTAGGGA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2278:26666:18114_2:N:0:TCTGCAAG+GCTGCACT
ACGGCCAACACTTTCTTTGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGG

AAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCTGTTTTTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1428:32949:15217_2:N:0:TCTGCAAG+GCTGCACT
CAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTAC
AAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTA
+
FFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1229:31792:36793_1:N:0:TCTGCAAG+GCTGCACT
TTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATAT
TCGATATTCGATTGAGGGTCGTTATACCTATTCGCGCTATCTGTGCTTTGAATTGTATAAGATCAAATT
TTA
+
FFFFF::F,FFFF:FFFFFF:::FF:FFFF,F,FF:FFFF:FFF:FFFFFFFFFFFFF,F,FF,FFF
FF::FFFFFFFF:FFF,FFFF:FFF,FFF:F,F:FFF:F,F:FFFF:FFFF,FF:FFFF:,F::FF,FF
FFF
@A00721:190:HGJW7DSXY:4:1322:4869:36886_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTAATAATTTTGATGCGGTTTCATAA
GATTATCAGTAATCCTGATTCTACTACGATTTCATGGACCTTCCATCC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1444:11966:28855_2:N:0:TCTGCAAG+GCTGCACT
GAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGACGACCAAGATCTAA
ATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1171:27751:9220_2:N:0:TCTGCAAG+GCTGCACT
CTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAA
TGACGATCATTAAGACTCTCTTCTTCTTTGTTTCTTCTTTGCACTG
+
FF
FF:FF
@A00721:190:HGJW7DSXY:4:2310:5620:26287_2:N:0:TCTGCAAG+GCTGCACT
CAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAA
GGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGACC
+
FFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFF:FFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFF,:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:,FFFF,F
@A00721:190:HGJW7DSXY:4:1477:23276:5635_1:N:0:TCTGCAAG+GCTGCACT
GTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTC
GATGGGTTTTTCGACGCCTTTAAGCGTCTTCTGTTTCATCGCAACCAGATGATATCTTCTATTGAACTT
ATG
+
FF
FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2250:23131:20666_2:N:0:TCTGCAAG+GCTGCACT
TGTTTACCACCGAAATATCAAGGTTCTTGTCCTTCAAACGATTGGAAGGTTAGTTATCTTAATAGTAC
TAAAGGGGTTTACTTACAACCCTATGACGATAGTTTCTCTTTACACAC
+

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:1474:5837:11694_1:N:0:TCTGCAAG+GCTGCACT
CCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAA
GCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTC
TGC

+
FFFFFF,:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1437:21395:16564_1:N:0:TCTGCAAG+GCTGCACT
CTTCGTCGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCG
CTGCTGGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTC
ACT

+
FFFFFFFFFFFFFF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1266:23710:11334_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTA
TCGTTCAAGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGA
TAA

+
FFFFFFFFFFFF:FF:F,FFFFFFFFFFFF,FFF:FFF:FFF:FFF:FFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1154:8241:27884_1:N:0:TCTGCAAG+GCTGCACT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAG
GTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTC
TCT

+
FFFFFF:FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1270:23773:24659_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGT
TCTGAAGACGTTGCTTGTGCTTCTCCTTTAATGGCACTACCTCGGT

+
FF
FF

@A00721:190:HGJW7DSXY:4:2540:23692:31250_2:N:0:TCTGCAAG+GCTGCACT
TTGGAACGAAGGCGACCTGTTCCGGAGTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAG
CGAAATACGATTTCAACGTCAAGATCGGAAGAGCGTCGTGTAGGGAA

+
FF
FF

@A00721:190:HGJW7DSXY:4:1227:19334:31626_2:N:0:TCTGCAAG+GCTGCACT
ATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCCTCTCTTCTACGAGTATTGC
TATTTATACGTTACGAGAAGAAGGTTGAAAGTTTGAGAACTTAGTT

+
FFF:FFF
FF

@A00721:190:HGJW7DSXY:4:2204:8034:33786_2:N:0:TCTGCAAG+GCTGCACT
ACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAA

TTTTCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACTCCTAC
+
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFF::FFFFFFFFFFFFFFFFFFFF
:FFFFFFFF:FFFFFFFF,F:FF,F:FFFFFFFFFFFFFFFF:FF:FFF
@A00721:190:HGJW7DSXY:4:1447:2799:28260_2:N:0:TCTGCAAG+GCTGCACT
TCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATCGGGTCATCAACTTAGAACTCGA
AACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAAT
+
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,F,FF:F,FFF,FFFFFFFFFFFFFFFFFFFF
FFFFF::FFFFFF:FFFFFF,FFFF:FF:FFFFFF::FFFFFF
@A00721:190:HGJW7DSXY:4:1478:6298:32315_1:N:0:TCTGCAAG+GCTGCACT
TTCGATAGGGGACATTTTATCGTGGGCTTTCGTAAGGAAGATCTGTTATCGACGGTTTATCGTTTA
CGAAGTATCACTCCACCGGTGAATGGTTTAAGAATACTATAAATAGAATAGCTATTACTACTAATGGC
GTT
+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1653:24740:6042_2:N:0:TCTGCAAG+GCTGCACT
TAGTGACATCTGGTCAATTTCTGTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATA
CGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCG
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1545:11433:20666_1:N:0:TCTGCAAG+GCTGCACT
TTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTA
AGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTACTT
AGA
+
FFFFF:FFFFFFFFF:FF
FF,FFFFF
FFF
@A00721:190:HGJW7DSXY:4:1523:30987:25254_1:N:0:TCTGCAAG+GCTGCACT
ATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGG
TGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATT
ACG
+
F:FF
FFFFFFFFFFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:1342:12997:20556_2:N:0:TCTGCAAG+GCTGCACT
CCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTTATAAAGGTGAGGAGACCATT
TTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAAT
+
FFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1620:3396:20932_1:N:0:TCTGCAAG+GCTGCACT
TATGCTGATCTAAAATTTGATCTAGATGGATCCACTCCTCGAGTTATCATGATGTTAGTATGTTATA
TACTGATTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAAC
CTC
+
FFF,FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:F:F:FF:F:FFFF:FFF:FFFFFF:F,F:FFF
F:FFFFFFFF:F,FFFFFFFFF::FFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1367:27190:14606_2:N:0:TCTGCAAG+GCTGCACT
GAGATCACACATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAAT
AAATAAATAAATAATTACTAATGGCAAATAGTGGAAGGCTCCAGT

+

F:FF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFF,:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2569:22263:6324_2:N:0:TCTGCAAG+GCTGCACT
CTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCG
GCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2208:23122:26819_2:N:0:TCTGCAAG+GCTGCACT
AAAAGGCTCTAAAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGT
ATTATGTGGAGATATCGTGATATCAGTACGTCCAGATCCTCTGCTTTT

+

FF
,FFFF:FF

@A00721:190:HGJW7DSXY:4:2449:14181:11146_2:N:0:TCTGCAAG+GCTGCACT
ATCAAATATAAAGAAAAGGACTATGAAATAAAAGATTTGGTGCTTAGGGATATAATGAATTCAGCACC
ACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2167:25554:2848_1:N:0:TCTGCAAG+GCTGCACT
CCAACATTTACCACCAAATCTTTTGATACAACCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACG
CTTGCTATTACACGATTGGTTCAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGT
TTA

+

FFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1275:25581:11381_2:N:0:TCTGCAAG+GCTGCACT
AAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTA
AATGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACA

+

FF
FF:FF

@A00721:190:HGJW7DSXY:4:2211:16450:14481_2:N:0:TCTGCAAG+GCTGCACT
AATTCTACGAAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACG
TAGTGAACGCGTTCTGTAACCAAGTACTTCCGTCTGAAGAGTTTAT

+

F:FFF,:,:FFFFFF,:F:,F,:FFFF:FF:FF,F,:,,F,FFF,FFFFFFFFF:FF,F,FFFF
FF:F:FFF:FFFF:FFFFFFFFF,F:FF,F,:F,F,F,:F,FFFF,

@A00721:190:HGJW7DSXY:4:2161:19533:1626_1:N:0:TCTGCAAG+GCTGCACT
TAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACT
GACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTAAT
ATA

+

FF:
FF
FFF

@A00721:190:HGJW7DSXY:4:2533:9028:23265_2:N:0:TCTGCAAG+GCTGCACT
AGTCATAACTTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTA

ACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTG
+
FF
F:F:FF
@A00721:190:HGJW7DSXY:4:2112:17047:33739_2:N:0:TCTGCAAG+GCTGCACT
CTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAAT
ACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGA
+
FF:,F
FFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFF:FFFFFFFF:FFFF,FF
@A00721:190:HGJW7DSXY:4:1139:30436:20854_1:N:0:TCTGCAAG+GCTGCACT
CCAACCTCTTCGTTACGATACTTGTGTTGATAATATATTTAGTCTCTACACCCATCTCAACGAGTAAAA
AGCGAGTTTTCCGTCCTTAACGTAATACACGAAGAGAACATCCGCAAACGACTCGAAACCGAGACGCC
GTA
+
F,FF:F:F,,,FFFF,F::,F,,,,,FF,F,F,,,FFF::,F::,FFFF,F,,,FF,F,,,::,,F:
,,::,,FFFF::,F,,,F:::FFFF:FFF::,,:,F::,FF,,F,FFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1544:19027:24518_2:N:0:TCTGCAAG+GCTGCACT
TTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTAT
AACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCC
+
FF
FF,F
@A00721:190:HGJW7DSXY:4:1208:26702:21621_1:N:0:TCTGCAAG+GCTGCACT
TATGTACTTATTGTAACGATCATTCTTTTCGAGTTTTGTCACTTATTCTTTTATTCCTTTAACTGTG
TATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAAT
CAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1318:4634:25708_2:N:0:TCTGCAAG+GCTGCACT
GACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACATTATCCGATTCTTCG
AGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAAT
+
FF
FF,FFFFFFF
@A00721:190:HGJW7DSXY:4:1117:10673:20854_2:N:0:TCTGCAAG+GCTGCACT
TATTTTCTATAAGGGAAAATAGCAATAATCAAATTTTCGACAAATTTAGAACTTTATTTCAGAACTC
TCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAATAAGAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1124:8386:34053_2:N:0:TCTGCAAG+GCTGCACT
ATTTTTAAATAGTGATATTACGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACC
GCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAA
+
FFF:FF
FF:FFFFF
@A00721:190:HGJW7DSXY:4:1266:13801:12148_1:N:0:TCTGCAAG+GCTGCACT
AACTTGACTGTTTATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGT
CGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTT
ACA

+
F:, :FFFFFFFF,FFFFFFFF:FFFF:FFFFFFFFFFFF,FFFFFFFF:FFF:FF:FFFFFFFF,FF
FFFFFFFFFFFF:FFFFFFFF:F:,FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1148:20880:22529_1:N:0:TCTGCAAG+GCTGCACT
TATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTTACATTTTTAATGGTATGGTATAATGTGT
CTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTG
GGC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1435:27480:10629_2:N:0:TCTGCAAG+GCTGCACT
TCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAGTT
CAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTT
+
FFFFFFF,:FFFFFFFF,:::FFFFFFF,FFFFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFF
FF:FFFFFF:FFFFF:,F
@A00721:190:HGJW7DSXY:4:1361:28827:4194_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGA
ATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAG
+
FFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FF
@A00721:190:HGJW7DSXY:4:2676:27507:17190_2:N:0:TCTGCAAG+GCTGCACT
CCGCAAATCAATTGAAGAAAACCACTCCCTTCAATTCAATAACATAACATACACTCCCCAAAC
ATAACATACCATAACCTACCATGACCAATCATCGCTCCAACCTGGCACG
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFF,F:FFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF
F:FFFFFFFFFFFF,FF,FF
@A00721:190:HGJW7DSXY:4:1149:13856:9455_1:N:0:TCTGCAAG+GCTGCACT
CTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTGTGCAGAATAAC
CTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACG
GGC
+
FF
FFFFFFFFFFFFFFFFFFFF: :FFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2632:3070:31923_1:N:0:TCTGCAAG+GCTGCACT
GAGGTCGCTCGTAACATTGACGACAGTCCCGTCATCTCTGTGGGAAGTGAAGGAGTACCTCAGTCAAA
AGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTC
AAT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:
@A00721:190:HGJW7DSXY:4:2517:30192:14356_1:N:0:TCTGCAAG+GCTGCACT
GTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAG
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGA
GAA
+
FFFFFFFFFFFF:F:FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF
FFF

$+$

@A00721:190:HGJW7DSXY:4:1343:31467:23610_1:N:0:TCTGCAAG+GCTGCACT
GCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTA
CAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTT
TTG

 $+$

@A00721:190:HGJW7DSXY:4:1622:10908:1971_1:N:0:TCTGCAAG+GCTGCACT
CAAAGTGAAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTG
TGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGAGGATTTTATCCGCGCTTAAGTATGGGGCGA
AGA

 $+$

@A00721:190:HGJW7DSXY:4:1414:32533:21355_1:N:0:TCTGCAAG+GCTGCACT
AGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAAATGCGGGC
TTT

+

@A00721:190:HGJW7DSXY:4:2124:32506:25661_2:N:0:TCTGCAAG+GCTGCACT
GCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCCTGTTCTGGGAGGCTGCTTTCCTCCATAATTA
CAACCTCTCTTTAGAGAGCATTAGAAAGATCGGAAGAGCGTCGTGTAG

+

@A00721:190:HGJW7DSXY:4:2466:5954:33473_2:N:0:TCTGCAAG+GCTGCACT
GTTGTCACACATTTCTTTAAATTTTACCTTTCATCCTACATTGGGGATTTTCGATGTTAGAAGGTGGA
ATGTGTCAAGGGTCTTCTTCATTATGATCTTTAATGACCTAATCACAT

 $+$

@A00721:190:HGJW7DSXY:4:1447:29541:17394_1:N:0:TCTGCAAG+GCTGCACT
ACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATTAAGAGTCCAGCT
GTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAAACTTCGTGAGAAGATGAGGAAGTCTAAGAG
GAG

+

@A00721:190:HGJW7DSXY:4:1366:3097:27774_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGA
TTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATA
ATC

+
FFFFFFFFFFFFFF,FFFFFF,FFFF:FF, :F:FF
FFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2477:20546:10676_2:N:0:TCTGCAAG+GCTGCACT
GGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACA
AGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1501:20799:24612_2:N:0:TCTGCAAG+GCTGCACT
AGGTCCTTTTGAGTATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTA
ACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTAACTTTGACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: :FF: FFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2146:6271:32299_2:N:0:TCTGCAAG+GCTGCACT
GGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAA
AAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGC
+
FFFFFFFFF: FFF: FFFFFFFFFFFFFFFFFF: FFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFF: FF: FF
FFFFFFFFFFFFFFFF: FFFFFFFFFFFFFF: FFF: FF: : FFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1535:18032:19288_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGTTGAGGAGACTTTACAGC
GGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC
GTC
+
FFFFFFFFFFFF: FF
FFFFFFFF: FFFF: FFF
FFF
@A00721:190:HGJW7DSXY:4:1575:3088:7968_2:N:0:TCTGCAAG+GCTGCACT
TTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTT
TTCATATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTC
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFF, FFF
@A00721:190:HGJW7DSXY:4:2456:9968:13714_1:N:0:TCTGCAAG+GCTGCACT
GATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTGATGAAAGC
TATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGATTGTGACCATAAAGCCTCAG
TTG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1314:1027:16110_2:N:0:TCTGCAAG+GCTGCACT
ATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTTCGTCTTA
GTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGACATACCCGTT
+
FF
FF: FFFF
@A00721:190:HGJW7DSXY:4:1364:24026:4022_2:N:0:TCTGCAAG+GCTGCACT
TCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCAGGATTGGGTTATTCTCACAACAAAG
ATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGAC
+

FFFFFFFFFFFFFFFFFFFFF:FFF:FF:FFFFFFFFFFFF,FFFFFFFFFFFFFF,FFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF:FFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1604:31015:23202_2:N:0:TCTGCAAG+GCTGCACT
 TGTGAACCTTGGGGACTAGATTGAGCATTAATGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAG
 TGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCTGCCAATCT
 +
 FFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FF
 @A00721:190:HGJW7DSXY:4:1312:13639:36573_2:N:0:TCTGCAAG+GCTGCACT
 CGCATACCTGATTGGAAGAAGCGAGTTTCGTTCTCAATAAAAATTTTTCTCAAGAGATTATGGTTGA
 TAAAGTTTTCTTCATAAGGGCTATTAGTACGTCATGGGGATCACTTC
 +
 FFFFFFFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFF
 FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1256:29785:16282_2:N:0:TCTGCAAG+GCTGCACT
 ACAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAA
 GTGATTCACCAAGATGTTTATATAGATACGAGATACCTAGAGAAGGTC
 +
 FFFFF:FF,F
 FFFFFFFFFFFFFF,FFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF:F
 @A00721:190:HGJW7DSXY:4:1357:31358:27806_1:N:0:TCTGCAAG+GCTGCACT
 CTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTAACGTTAGTACCGG
 AGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACTTTATGGACA
 AGA
 +
 FF:FF
 FF
 FFF
 @A00721:190:HGJW7DSXY:4:1337:30120:28447_2:N:0:TCTGCAAG+GCTGCACT
 TTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGAGAGAAGACAACGAATCTTG
 AAACACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTT
 +
 FF
 FFFFFFFFFFFFFFFFFFFFFF:F:FFFFF,FFFFFFFFFFFFFFFFFFFF:FF
 @A00721:190:HGJW7DSXY:4:1616:7979:22639_2:N:0:TCTGCAAG+GCTGCACT
 GAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTG
 ATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTACGCTACGA
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
 FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
 @A00721:190:HGJW7DSXY:4:1347:18059:20306_1:N:0:TCTGCAAG+GCTGCACT
 TGGATTGAAGGCTGGCTTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
 GTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTT
 TCG
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:1311:31647:8328_1:N:0:TCTGCAAG+GCTGCACT
 GTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTTGGTATTTCTGAAA
 TAGTTTATCAGAGCGTCATTTTCTTTGGGATCTTCTCTGGTAAGGGAATTATTAATCATTTCTTC
 TCA
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

FF
FFF

@A00721:190:HGJW7DSXY:4:2375:8106:7795_2:N:0:TCTGCAAG+GCTGCACT
ATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCT
ACAGAGTGCAGTCGTTTCAACACTTATCACCACATTTGAAAGGAAAAT

+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFF,F:FF,,FFFFFFFF:FFFFF:

@A00721:190:HGJW7DSXY:4:1343:10728:25864_2:N:0:TCTGCAAG+GCTGCACT
AATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATA
TTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTA

+
FF
FF
FFFFF

@A00721:190:HGJW7DSXY:4:2372:2474:29293_1:N:0:TCTGCAAG+GCTGCACT
ATTTGGATGTTGTGCAAAACTATCAGGTTCTTGTACGATTCTTAAAAGAAGTTTATTA AAAACTTCAG
AGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTC
TGT

+
F:FFFFFF:FFFF,FFFFFFFFFFFFFFFF,FFFFFFFF,FFFFFF:F,,,FFFFFFFF,,FFFFFF
FFFFFFFF,FFFF,F:F:F:F:F:FFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1527:24704:12085_1:N:0:TCTGCAAG+GCTGCACT
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTA
AAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAAC
GAT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1269:4029:24596_2:N:0:TCTGCAAG+GCTGCACT
ACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTATAAATCCTGA
TGGCTCAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCA

+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2116:4716:30765_1:N:0:TCTGCAAG+GCTGCACT
ATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGT
ATAGTTGGCGTCTTGTGCGTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTT CAGGAAGATCTCT
ACA

+
FFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2254:32922:22091_1:N:0:TCTGCAAG+GCTGCACT
TTTAGCAACTTTAGATAAATCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATCCTTG
GTGATCTGAATCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACT
AA

+
FFFFFFFFFFFFFFFF,FF,FFFF,FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2217:3866:28761_2:N:0:TCTGCAAG+GCTGCACT
CTTTATCTTAAAGCATTACCACCAAATTTAGCACTTTTTGAATATGACAGAAGCTCGCCATATCAGAT

$+$

@A00721:190:HGJW7DSXY:4:1605:28320:10488_2:N:0:TCTGCAAG+GCTGCACT
GGAGGTCCAGGAACCTTTACTCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGAC
AGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGAT

+

@A00721:190:HGJW7DSXY:4:1476:20916:19429_1:N:0:TCTGCAAG+GCTGCACT
GATATCGCCTCTGTCCTTTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGTACTTGGGTTTATCGGTT
GTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTG
ATA

+

@A00721:190:HGJW7DSXY:4:1326:8974:8766_2:N:0:TCTGCAAG+GCTGCACT
TGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCGTCTTACCTATTTACAATCTGTAGAGAGAG
AGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTG

+

@A00721:190:HGJW7DSXY:4:2660:26476:36699_1:N:0:TCTGCAAG+GCTGCACT
TTTTCTTTCCCTCCCTTTTTTCGATTGGATTGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGT
TTTTCTTTTATGGGACTCTTGTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCCTAATGTAGGT
CTC

+

@A00721:190:HGJW7DSXY:4:1610:17906:28056_1:N:0:TCTGCAAG+GCTGCACT
GTTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCC
GTGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTG
TCG

+

@A00721:190:HGJW7DSXY:4:1455:7780:5321_2:N:0:TCTGCAAG+GCTGCACT
GGCTGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTAC
TAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGA

+

@A00721:190:HGJW7DSXY:4:2109:28718:36135_2:N:0:TCTGCAAG+GCTGCACT
GTCTTGGTCGAAAAATATCGCCGGAAGTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATAC
CGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGA

+

@A00721:190:HGJW7DSXY:4:1462:12102:35321_2:N:0:TCTGCAAG+GCTGCACT
AAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAG

GGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAA

+

FF:FFFFFFFF:FFFFFF
:FFFFFF:FF:

@A00721:190:HGJW7DSXY:4:1662:21974:20071_1:N:0:TCTGCAAG+GCTGCACT
TAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGAGAAAAGTATGTTGCGGCTG
ATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCAGAGTTACGTAGT
GGT

+

FF:FFFFFFFF:,FFFFFF:F:F,FFFFFFFF,:FF:FFFFFFFF:FFFFFF:,FF:FFF,F::FFFFFFFF:FF
,FF::F:FFFF:FF::FFFFFFFF:FFFF:FFFFFFFF::FFFFFF:F:FFFFFFFFFFFF,,:FFF:F:FFFF
,FF

@A00721:190:HGJW7DSXY:4:1373:13819:2033_1:N:0:TCTGCAAG+GCTGCACT
TTTTATCAAAGAGAAAAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAA
ACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAAGCTATT
AAT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FF:

@A00721:190:HGJW7DSXY:4:1648:7988:9220_2:N:0:TCTGCAAG+GCTGCACT
AAACTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGT
CCTACGTACTGTCCAAGGTGTTTGGGCTTCTCTAAAGAACAGCAACTT

+

FF
FFFFFFFFFF:FF,FF:FFFF:FF

@A00721:190:HGJW7DSXY:4:1630:22752:11616_2:N:0:TCTGCAAG+GCTGCACT
GGCTGATGACTTAAATTCGCATTCTGCTTCGACGGTAATTCATAAGACCTTCTTGGGGAGTAAAG
AGGGTTTGAAAATTACGGAACCTTCTCGTTCCTCATGAAGATCTTC

+

FF
FF:FF

@A00721:190:HGJW7DSXY:4:1423:14009:14638_2:N:0:TCTGCAAG+GCTGCACT
GTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTGTGACTACGATCTCTCTTGTATAAAGAAGTTCT
TCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAACCTATAG

+

FF
FFFFFFFF:FFFFFFFFFFF:FFF:FFF,FFFFFFFFFF:F:FFFF

@A00721:190:HGJW7DSXY:4:1433:24207:5306_1:N:0:TCTGCAAG+GCTGCACT
TTCGAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCGAGAAGAGATAGTGACTAA
AGTTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAATTAAGACAGACGTGAAAGTTATGATGAGTG
ATC

+

FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1262:9155:28087_2:N:0:TCTGCAAG+GCTGCACT
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTAT
TCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG

+

FFFF,F::FFFF:FFFF:FFFF,FFFFFFFFFFFF,FF:,F:FFFFFFFF:FF,FFFFFF:F,FFFFFF
F,FFFFFFFFFFFF:F,F:FFFFFFFFFFFF,FF:FFF,,FF:FFFFFFFF,F

@A00721:190:HGJW7DSXY:4:1361:10782:23578_2:N:0:TCTGCAAG+GCTGCACT
GTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAAC

ATCAACGACATCATTCTTGATGAGTGTGCGTTCTTATCGAAGTCTCAGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1266:5882:7200_2:N:0:TCTGCAAG+GCTGCACT
CGGCCGACGTTTGTGCGGAAGTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGA
GAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFFFFF,FF
@A00721:190:HGJW7DSXY:4:2605:1994:32659_2:N:0:TCTGCAAG+GCTGCACT
ATATTACTTTCACTCAAGGTGAAAAGTTTGAATTAACAAAGTCCTTGGAAGAGTAAGGTTAAATGT
GAAGATGCTCAGACTATTCAATGAAGTTCAAGGTAATACTTACCAGCAC
+
FF:F:FF:FFFFFFFFFFFFFFFF:FFFFFFF
FFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:2631:9968:21042_1:N:0:TCTGCAAG+GCTGCACT
ATGACCCTGTTTTTGCATCACAAACACATATTACCGTTGCTCTATCACACACGTTGAATCTTTACGAT
ACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCA
CGT
+
FFF:FFFFFF:FF:FFFFFFF
FF:FF
FFF
@A00721:190:HGJW7DSXY:4:1555:11822:20212_1:N:0:TCTGCAAG+GCTGCACT
TGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGC
CTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTT
ATT
+
FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1641:13901:10222_1:N:0:TCTGCAAG+GCTGCACT
CTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAA
TTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTG
TAT
+
FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1446:4101:18302_1:N:0:TCTGCAAG+GCTGCACT
TATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATCTTATGAGGCTCGAACTTCAACGTTT
TCACAACGGAAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGG
TGT
+
F:FF:FFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1621:29441:3004_2:N:0:TCTGCAAG+GCTGCACT
CTAAGTTGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAAC
AATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAAT
+
FF
FFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF,FF

@A00721:190:HGJW7DSXY:4:2450:27579:31187_1:N:0:TCTGCAAG+GCTGCACT
ATATGACCTATTTTAAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAAACTTGATGCTTCAGCCTTTTCG
AAGCATAACCCCGCACAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGACCTATCTT
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1240:3884:3521_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTC
TCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCTCAAG
ATT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1152:18665:30311_2:N:0:TCTGCAAG+GCTGCACT
AGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTGAGTGCCA
GTGAATATTTTGTACGCCAGGAGATCGGAAGAGCGTCGTGTAGGGA

+

FF
FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1108:2736:3380_1:N:0:TCTGCAAG+GCTGCACT
TAACACATTCTTTGGTAATTGTATGATCACTCTTATGATGCTCTCTCTTTATTACGACCTTCGGAAGT
TTAGAGCCGTCGCTGTCGCCGAGACGATTCGATCCTCTTTTCGGACGTACCGGTCCAGGATTATTCA
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1553:21450:14810_2:N:0:TCTGCAAG+GCTGCACT
CAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTAC
AAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTA

+

FFFFFFFFFFFFFF,FF::FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1265:15167:7435_1:N:0:TCTGCAAG+GCTGCACT
TTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATAT
TCGATATTCGATTGAGGGTCGTTATACCTATTCGCTATCTGTGCTTTGAATTGTATAAGATCAAATT
TTA

+

FFFFF,FFFFFFFFFFFF:FFFFFF:FF:F,FFFF,FF,FF:FFF,FFF::FF,FFFFFF,FFFFFF
F:FFFFFF:FFFF:FF:FF:FFFFFF:FFFFFF:FFFFFFFFFFFF,F,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1633:22833:30733_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGATGCGGTTTCATAA
GATTATCAGTAATCCTGATTCTACTACGATTCATGGACCTTCCATCC

+

FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:1444:12048:28870_2:N:0:TCTGCAAG+GCTGCACT
GAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAA
ATTCGGTAACGGTGC GTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTC

+

FF
FF
@A00721:190:HGJW7DSXY:4:1373:28953:8390_2:N:0:TCTGCAAG+GCTGCACT
CTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAA
TGACGATCATTAAGACTCTCTTCTTCTTTGTTTCCTTCTTTGCACTG
+
FFFFFFF:FF
FF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2524:26160:24189_2:N:0:TCTGCAAG+GCTGCACT
CAGCTTGTGTTTTACCTAATCTGTGTTTTACGATAACAACCTATCAGTTGATTAAGACTCTTCCGAAA
GGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACC
+
FFFFFFFFFFFFFFFFFFFFF:FFF
FF
@A00721:190:HGJW7DSXY:4:1558:21603:27445_1:N:0:TCTGCAAG+GCTGCACT
GTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTC
GATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTCATCGCAACCAGATGATATCTTCTATTCGAACTT
ATG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1557:8919:21042_1:N:0:TCTGCAAG+GCTGCACT
GTTTACCACCGAAATATCAAGGTTCTTGTCTTCAAACGATTGGAAGGTTACTTATCTTAATAGTACT
AAAGGGGTTTACTTACAACCCTATGACGATAGTTTCTCTTTACACACTTGTGAAGCCAATTTAGTTGT
TTT
+
FFFFFFFFF:FFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1142:32235:13072_2:N:0:TCTGCAAG+GCTGCACT
TCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTTGTCTTCTTGTGTTGTCTTATTCTATTAATCACT
CATTTTAGTGAGATTATTAACCAACGCACTAAACGCTCTTCGACAACAG
+
FFFFFFFFFFFFFFFFF,:FFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF,,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1411:19425:33191_2:N:0:TCTGCAAG+GCTGCACT
TGATAGCCACCCGCCTTACAGAGGGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTT
TTCTACTGTCTGTCTCGCCTCTTGAATGAAGTTTAAATGCTTAACAA
+
FF
FFF,FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1405:22236:2644_2:N:0:TCTGCAAG+GCTGCACT
CTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGAT
GGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGG
+
FF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2273:12617:35900_2:N:0:TCTGCAAG+GCTGCACT
ACATTACCCGAAAGACGTGCTAAATTAACCACTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTC
ACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCA
+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFF:FFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1575:31485:1971_2:N:0:TCTGCAAG+GCTGCACT
TTTATCTCTTTGGTTGTTAGGGATTTTGAAGAGTGAAGGCTTCAATTGTAGTGGTTTGGTCGTTTC
AGTACCCAGTCAGTATACCTCTACGCAAAGATATTTATGAAAACCTAC

+

FFFFFFFFFFFF,FF:FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:2369:31114:14951_1:N:0:TCTGCAAG+GCTGCACT
CCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTC
AAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTAT
CGT

+

FFFFFFFFFFFFFFFF,FF:FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2416:1624:28291_2:N:0:TCTGCAAG+GCTGCACT
TACTATAGTGTTATTTATTCTGGTGGTGTATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAG
AGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCAACAACCTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2333:32371:9017_1:N:0:TCTGCAAG+GCTGCACT
TGAAGGAGGAGGTTTCTGTTACTGGAACCCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTC
ACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGT
TAT

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2158:28583:1266_1:N:0:TCTGCAAG+GCTGCACT
CCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAA
GCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTC
TGC

+

FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1476:11252:8703_1:N:0:TCTGCAAG+GCTGCACT
CTTCGTCGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCG
CTGCTGGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTC
ACT

+

FF
FF
FF:

@A00721:190:HGJW7DSXY:4:1308:14561:15092_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTA
TCGTTCAAGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGA
TAA

+

FFFFFFFFFFFFFFFF:FFF:FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:1223:32524:28103_1:N:0:TCTGCAAG+GCTGCACT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAG

GTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTC
TCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2156:29107:29512_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGT
TCTGAAGACGTTGCTTGTCTGCTTCCTCCTTAATGGCACTACCTCGGT

+

FF
FFFFFFFFFFFF:FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2675:13105:26788_2:N:0:TCTGCAAG+GCTGCACT
TTGGAACGAAGGCGACCTGTTCCGGAGTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAG
CGAAATACGATTTCAACGTCAAGATCGGAAGAGCGTCGTGTAGGGAA

+

FFFFFFF:FFFFFF:FFF
FF:

@A00721:190:HGJW7DSXY:4:1237:22064:13432_2:N:0:TCTGCAAG+GCTGCACT
ATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCCTCTCTTCTACGAGTATTGC
TATTTATACGTTACGAGAAGAAGGTTGAAAGTTTGAGAACTTAGTT

+

FFF
FF:

@A00721:190:HGJW7DSXY:4:2208:5014:33348_2:N:0:TCTGCAAG+GCTGCACT
ACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAA
TTTTCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACTCCTAC

+

FFF
FF:

@A00721:190:HGJW7DSXY:4:1455:7862:13917_2:N:0:TCTGCAAG+GCTGCACT
TCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGA
AACTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAAT

+

FFF
FFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2167:17273:20353_1:N:0:TCTGCAAG+GCTGCACT
TTCGATAGGGACATTTTATCGTGGGCTTTCGTAAGGAAGATCTGTTATCGACGTTTATCGTTTA
CGAAGTATCACTCCACCGGTGAATGGTTTAAGAATACTATAAATAGAATAGCTATTACTACTAATGGC
GTT

+

FFF
FF:
FFF

@A00721:190:HGJW7DSXY:4:2141:9842:26365_2:N:0:TCTGCAAG+GCTGCACT
TAGTGACATCTGGTCAATTTGTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATA
CGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCG

+

FFF
FF:
FFF,FF

@A00721:190:HGJW7DSXY:4:2341:28980:10191_1:N:0:TCTGCAAG+GCTGCACT
TTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTA
AGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTT
AGA

[illegible]

[illegible]

@A00721:190:HGJW7DSXY:4:1320:23683:15421_2:N:0:TCTGCAAG+GCTGCACT
GAAGAAAACCACTCCCTTCAATTCAATAACATAACATACCATACACTCCCCAAACATAACATACCATA
ACCTACCATGACCAATCATCGCTCCAACCTGGCACGCCAGACGTAGGGT

+

FFFFFFFFF,FFFF,FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1115:17083:35587_2:N:0:TCTGCAAG+GCTGCACT
ACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCGCTGTGCAGAATAACCTTCC
CAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGAC

+

:FF:FFF::F:F:FFF:F,FFFFFFFF::,FFFFFFFF,FFFFFFFF,FFFFFFFFFFFF:FFFF:FF
:F,F:FFFFFFFF:FF:FFF:FF::FF:FFF,FFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2164:14353:29168_1:N:0:TCTGCAAG+GCTGCACT
GGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGTCTGCTCGTAACATTGACGGCAGTCCCGTCATCT
CTGTGGGAACCTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTG
ACT

+

FFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1630:28357:9173_2:N:0:TCTGCAAG+GCTGCACT
TCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCA
ATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTA

+

FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1414:15257:36839_1:N:0:TCTGCAAG+GCTGCACT
GAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGA
AATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGAATAAGAAATCTGCACGGGCC
AAA

+

FFFFFFFFF:FFF:FFFFFFFFFFFFFF::FF,,:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:F,FFFFFFFFFFFFFFFF:FFF
FF:

@A00721:190:HGJW7DSXY:4:1142:12798:10410_2:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF,FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1275:11650:27555_2:N:0:TCTGCAAG+GCTGCACT
TCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGA
AAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGTGAC

+

F:FFFFFF:FFF
,FFF

@A00721:190:HGJW7DSXY:4:1574:21305:13870_2:N:0:TCTGCAAG+GCTGCACT
GTTTTGTCAACGGCGTTTGGAGATTTTATCCGCGCTTAACATATGGGGCGAAGATCCCCTATGGAGT
CTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT

+

FFFFFFFFFFFFFFFFFFFF:FF:F:FFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1529:4345:4758_1:N:0:TCTGCAAG+GCTGCACT
CCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATG

CGGGCTTTCTGACTGATGAGGTAAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCAC
TGG

+

FFFFFF,FFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFF
,FFFFFFFFFFFFFF:FFFFFFFF, :FFF:FFFFFFFF:FFFFFF:FF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1234:29839:20165_2:N:0:TCTGCAAG+GCTGCACT
TCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTA
GACGTTGTCACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGG

+

FFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFF
FFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFFF:FFF:FFF:F,FFF

@A00721:190:HGJW7DSXY:4:2649:15447:11083_2:N:0:TCTGCAAG+GCTGCACT
GTGAGAAGGTGGAAGGTGTCAAGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATT
GATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2315:15022:30765_1:N:0:TCTGCAAG+GCTGCACT
GCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAA
GAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGA
AGT

+

FFFFF:FFF:FFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF: :FFFFF:
FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFF:FFF:
:FF

@A00721:190:HGJW7DSXY:4:2418:32515:17409_2:N:0:TCTGCAAG+GCTGCACT
GGATTATTTGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTCTTTGGAGTTTATG
ATAATCTTTTGAGAAGGGTCATAGAGCCAGCAAGAGAAGCTTATATG

+

FF
F:FFFFFFFF:FFFFFF:FFFFFF:FFFFFF,FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1319:29568:7576_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+

FF
FFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1455:7789:27633_2:N:0:TCTGCAAG+GCTGCACT
TTAACGTGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGAAGTTGTGGGATTAACTTTGAC
TCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1439:19623:12242_1:N:0:TCTGCAAG+GCTGCACT
TAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGC
TCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTATGATTCAAAC
CTA

+

FFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFF
FF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1553:25943:8719_2:N:0:TCTGCAAG+GCTGCACT
ACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGT

TCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGAC
+
FFFFFFFF:FF
FFFFFFF,FF
@A00721:190:HGJW7DSXY:4:1609:15320:13714_2:N:0:TCTGCAAG+GCTGCACT
AAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAAAC
CCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATG
+
FF:FFFFFFFF:FFFFFFFF:FFFFFF
FF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:2670:20401:13056_2:N:0:TCTGCAAG+GCTGCACT
AACATTGATTGGGAACGTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTC
GTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGC
+
F:FFFF:F:FF,F:FFFF:FFF:,,,FFFF
F,FF:FFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF: ,FFF
@A00721:190:HGJW7DSXY:4:1102:12255:33176_1:N:0:TCTGCAAG+GCTGCACT
CTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTTCGTCTTAGTTT
GTCCCGCGCAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGT
CAT
+
FFFF:FF
FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1119:4716:32706_2:N:0:TCTGCAAG+GCTGCACT
CGAAGGATTGGGTTATTCTCACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCCTTA
AGGGCGGACAATTGTTCCATTGTGAACCTCTTGGGGACTAGATTGAGCA
+
FF:FFFFFFFF:FF
FF:FFFFF
@A00721:190:HGJW7DSXY:4:1147:6451:31485_1:N:0:TCTGCAAG+GCTGCACT
AGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTATTCAGAATACCTATTTCCGTACCAAGAGCCAC
TGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAAATTTT
CTC
+
F:FF:FFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1535:17951:27821_1:N:0:TCTGCAAG+GCTGCACT
TAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCT
TCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCAC
CAA
+
FF,FF
FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1323:27633:6261_1:N:0:TCTGCAAG+GCTGCACT
GAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACAC
GTTATGCTCGAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG
ATT
+
FFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF
FF:FF
FFF

$+$ $+$

+

+

+

+

 $+$

+

[illegible]

@A00721:190:HGJW7DSXY:4:1221:1280:33677_1:N:0:TCTGCAAG+GCTGCACT
AGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAACGATGAAGATTTCCACA
CTGTTGAGAAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGAT
GGC

[illegible] $+$

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FF:FFFFFFFFFFFF
FFFFF::FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:

```

+

```
FFF,:FF,:FFFFFFFF:FFFF:FFFF,FFFFFFFFFFFF:FFFFFFFFFFFF,F,FFFF,FF:FFFFFFFF
FFFF,FFFFFFFF:FFFFFFFFFFFF,F:FFFFFF:FF:FFF,FFF:FFFFFFFF,F:FFFFFFFFFFFF
FFF
```

+

[illegible]

+

[illegible]

+

[illegible] $+$ [illegible]

@A00721:190:HGJW7DSXY:4:2164:7491:25207_2:N:0:TCTGCAAG+GCTGCACT
GGCTGATGACTTAAATTCGCATTCTGCTTCGACGGTAATTCATAAGACCTTCTTGGGGAGTAAAG
AGGGTTTGAAAATTACGGAACCTTTCCTCGTTCCTTCATGAAGATCTTC

CTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTT
ATT

+

FFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FF
FFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2523:16712:16532_1:N:0:TCTGCAAG+GCTGCACT
CTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAA
TTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTG
TAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2549:29197:14826_1:N:0:TCTGCAAG+GCTGCACT
TATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTT
TCACAACGGAAAGACATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGG
TGT

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1654:28248:11334_2:N:0:TCTGCAAG+GCTGCACT
CTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAAC
AATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAAT

+

FFFFF:FF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FF:FF

@A00721:190:HGJW7DSXY:4:2563:21703:25770_1:N:0:TCTGCAAG+GCTGCACT
ATATGACCTATTTTAAAGTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCG
AAGCATAACCCCGCACAGAATATCGTTTATCACGCAAAATTTATTAATGCAATTTTCGACCTATCTT
TAA

+

FFFFF:FFF:FFFFFFFFFFFF:FFFF: :FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1546:18448:30499_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTC
TCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCTCAAG
ATT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1477:26720:24659_2:N:0:TCTGCAAG+GCTGCACT
AGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTGGAGTGCCA
GTGAATATTTTGTACGCCAGGAGATCGGAAGAGCGTCGTGTAGGGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFF:FFFFFFFFF
FF,FFFFF

@A00721:190:HGJW7DSXY:4:1108:8160:7420_1:N:0:TCTGCAAG+GCTGCACT
TAACACATTCTTTGGTAATTGTATGATCACTCTTATGATGCTCTCTTTTATTACGACCTTCGGAAGT
TTAGAGCCGTCGCTGTGCGCGGAGACGATTCGATCCTCTTTTCGGACGTACCGGTCCAGGATTATTCA
GAT

+
FF
FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1577:32172:24361_2:N:0:TCTGCAAG+GCTGCACT
CAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTAC
AAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTA
+
FFFFFF:FFFFFF,:F:FFFFFFFFF:FF:FFF:FFFFFF:FF
FFFFFF:FF
@A00721:190:HGJW7DSXY:4:1274:8097:19085_1:N:0:TCTGCAAG+GCTGCACT
TTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTGGCGATTAGCTCTTGCGACTAATAT
TCGATATTCGATTGAGGGTCGTTATACCTATTCGCTATCTGTGCTTTGAATTGTATAAGATCAAATT
TTA
+
FF:FFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1645:7129:14873_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGATGCGGTTTCATAA
GATTATCAGTAATCCTGATTCTACTACGATTTCATGGACCTTCCATCC
+
FF:FFF:FFFFFFFF
FFF:FF
@A00721:190:HGJW7DSXY:4:1230:30960:1219_2:N:0:TCTGCAAG+GCTGCACT
GACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTC
GGTAACGGTGCGTGCGCTTTATTTTAAAAAGCTCCCTCCTCTCCCAA
+
FF:FFFF:FFFF:FFFF:FF:FFFFFF:F:F
FFFF:FF:F:FFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1207:12129:3709_2:N:0:TCTGCAAG+GCTGCACT
ACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTC
TTTCTTCTTTGTTTCTTCTTGCATGATTTTCTCATCAGCTTGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1546:5710:34898_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGCGAACTTTGGGAATTTGAAGCT
CAGGGTGAAGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTCT
CCT
+
FF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1315:1597:21104_1:N:0:TCTGCAAG+GCTGCACT
ACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTCA
TCGCAACCAGATGATATCTTCTATTGAACTTATGTTTCGATCAGTGTCTTCTATCAGGAGGAAAA
CAC
+
FF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2342:11849:17002_1:N:0:TCTGCAAG+GCTGCACT
GTTTACCACCGAAATATCAAGTTCTTGTCTTCAAACGATTGGAAGTTACTTATCTTAATAGTACT

@A00721:190:HGJW7DSXY:4:2315:28330:22968_1:N:0:TCTGCAAG+GCTGCACT
TGGATTTTCAGACGTGTTCTCTTCCGATCTGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTTACT
ATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCTATCTTACCCTGATTCCGGCCGGTGGTAG
CT

+

F:,,,:FF:FFFF,F,,FFFFF:FFF,F,:FFF,F:,F,F,FF,F,FF,FF,FFF,FF:FFFF,,:
F:F,F,:F,F:F,F:,FFFF,FFFFFFFFF,:FFF:,FF,,F,,FF,,,FF,FF:F::F,FFFFFFFF
:F

@A00721:190:HGJW7DSXY:4:1225:23348:8359_2:N:0:TCTGCAAG+GCTGCACT
AGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGTAATTACACCTAAACGAGCTC
GATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGG

+

FFFFFFFFFFFFFFFF:FF:FFFFFFFF
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2110:31774:10081_1:N:0:TCTGCAAG+GCTGCACT
CTTCGTCGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCG
CTGCTGGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTC
ACT

+

FFFFF:FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1470:29821:29121_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTA
TCGTTACAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGA
TAA

+

FFFFFFFF:FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1324:23448:35023_1:N:0:TCTGCAAG+GCTGCACT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAG
GTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTC
TCT

+

:FFFFFFFFFFFFFFFF:FF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2431:31195:8923_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGT
TCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGT

+

FF
FFFF:FF:FF

@A00721:190:HGJW7DSXY:4:1531:10954:35806_1:N:0:TCTGCAAG+GCTGCACT
TTGGAACGAAGGCGACCTGTTCCGGAGTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAG
CGAAATACGATTTGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAA
TAT

+

F:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1122:17842:28635_1:N:0:TCTGCAAG+GCTGCACT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTCGAAAGTTTG

AGAACTTAGTTTACGAACTTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGAT

+

FF
FF,
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1121:29342:19492_2:N:0:TCTGCAAG+GCTGCACT
TTCAGAGGATGAAAAATTTCTTCCTTGATTATTAATATAAAGAATCTTTACCAGGACTCCTACTACA
GGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTT

+

FFF,:FF:FFFFFF:FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF:FFFF,F:FFFFFFFF:FFFF
FF

@A00721:190:HGJW7DSXY:4:1113:29912:11271_1:N:0:TCTGCAAG+GCTGCACT
ACTCGAACTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTT
CGATAGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACG
AAG

+

F:F::FFFF::F:FFFFFFFF,FFFFFFFF::FF,FFFFFFFF::FFFF,FFFFFFFFFFFFFF:FF
:F:FF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF,FFFFFFFF:::FFFFFF:FFFF,F
:FF

@A00721:190:HGJW7DSXY:4:1647:16640:15624_2:N:0:TCTGCAAG+GCTGCACT
GTTTAAGAATACTATAAATAGAACTATTACTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTG
ACATCTGGTCAATTTCTGTTTTAGGTGGTCTTTATTCTATTATTGATT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1110:29939:8124_1:N:0:TCTGCAAG+GCTGCACT
ACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTCTT
CAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTGAAAGACTTTCTACCGATAAGTGTCA
CTA

+

FF
FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFF:F:FFFFFFFF::F,FFFFFFFF,FFF,FFFF
FFF

@A00721:190:HGJW7DSXY:4:1101:22290:27665_2:N:0:TCTGCAAG+GCTGCACT
TAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTAC
TTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1135:11369:12070_2:N:0:TCTGCAAG+GCTGCACT
CAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCA
TAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGCG

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1347:20871:16971_1:N:0:TCTGCAAG+GCTGCACT
GTATTAATTATAAAGGTGAGGAGACCATTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAAT
CAATAAGAATCATCGATTCTCGATTCTGATAGCTTATCTAGGTACTCTCATTTACTATGTTGATTTAG
TCT

+

F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1351:26332:12994_2:N:0:TCTGCAAG+GCTGCACT
TGATCTAAAATTTTCGATCTAGATGGATCCACTCCTCGAGTTATCATGATGTTAGTATGTTATATACTG
ATTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTA

+

FF
FFFFFFFF,FFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1440:27037:22138_2:N:0:TCTGCAAG+GCTGCACT
GAGATCACACATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAAT
AAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1301:13467:21433_2:N:0:TCTGCAAG+GCTGCACT
TGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGG
CGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAAC

+

FF
FFFFFFFF:FFFF:FF:FF

@A00721:190:HGJW7DSXY:4:2244:30083:12258_2:N:0:TCTGCAAG+GCTGCACT
AAAAGGCTCTAAAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGT
ATTATGTGGAGATATCGTGATATCAGTACGTCCAGATCCTCTGCTTTT

+

FF
,FF

@A00721:190:HGJW7DSXY:4:2672:10791:17863_2:N:0:TCTGCAAG+GCTGCACT
ATCAAATATAAAGAAAAGGACTATGAAATAAAAGATTTGGTGCTTAGGGATATAATGAATTCAGCACC
ACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTC

+

FFFF:FF
FFFFFFFF:FFFFFFFF:FF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2445:9579:28228_1:N:0:TCTGCAAG+GCTGCACT
CCAACATTTACCACCAAATTTCTTTTGATACAACCTCTAGCCTTCAAGTGGGTATGCCTGCGGAATACG
CTTGCTATTACACGATTGTTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGT
TTA

+

FFFFFFFFF::FF:F,F:FF,FFFFFF:FFFFFF:FFFFFF,
FF,F:FFFFF,FFFF:FFFFFF:F:FFFFFF:FFFFFFF:FFFFF
FF:

@A00721:190:HGJW7DSXY:4:1644:15826:16971_2:N:0:TCTGCAAG+GCTGCACT
AAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTA
AATGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACA

+

FF:FFFFFFF:FFFFFF:FF
FFFFFFFFFFFFFFFFFFFF,FF:FF:FF,

@A00721:190:HGJW7DSXY:4:2422:6225:17691_2:N:0:TCTGCAAG+GCTGCACT
AATTCTACGAAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACG
TAGTGAACGCGTTTCGTAGAACCAAGTACTTCCGTCTGAAGAGTTTAG

+

FF
:FFFFFFFFFFFFFFFF:FF:FFF

@A00721:190:HGJW7DSXY:4:2320:13792:6151_1:N:0:TCTGCAAG+GCTGCACT
TAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACT
GACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTAAT
ATA

[illegible]

@A00721:190:HGJW7DSXY:4:2120:28727:22842_1:N:0:TCTGCAAG+GCTGCACT
ACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTT
ACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAA
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1304:5303:6793_1:N:0:TCTGCAAG+GCTGCACT
ACCGGTGAACACGTGCGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAA
GAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAAC
TTT

+

FFFFFFFFFFFF::FF:FFFF, :FF:FFFF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFF:FF,FFFF
FFFF:FFFF::F:,FF,FF
FFF

@A00721:190:HGJW7DSXY:4:1342:32913:27336_1:N:0:TCTGCAAG+GCTGCACT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTA
GTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAA
TGC

+

FFFFFFFFF::FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1170:26449:11099_2:N:0:TCTGCAAG+GCTGCACT
AAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1542:23185:28839_1:N:0:TCTGCAAG+GCTGCACT
GGGGAGAATGAAGTCCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGT
TTGTATAAATTTATATGATTTTCTATATATATACCACATATATATATATATAAAATCCTATAAATTTG
TAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1551:32741:26287_2:N:0:TCTGCAAG+GCTGCACT
GAAGAAAACCACTCCCTTCAATTCAATAACATAACATACCATACACTCCCCAAACATAACATACCATA
ACCTACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAGGGT

+

FFFFFFF::FF:FF
:FFFFFFFFF:FF::FF

@A00721:190:HGJW7DSXY:4:1323:21685:2127_2:N:0:TCTGCAAG+GCTGCACT
ACCGCCGGTTCGGCAGATCGGCACCACTGGTCTCTACGTTACAGGACCCGCTGTGCAGAATAACCTTCC
CAAATCTAGATCTGCACAGAAGAAGGCTGAAGTCTGTTACCGGACGAC

+

FF
F:FF:FF

@A00721:190:HGJW7DSXY:4:2456:22336:31219_1:N:0:TCTGCAAG+GCTGCACT
GGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCT
CTGTGGGAAGTGAAGGAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTG
ACT

FFFFFFFFFFFFFFFFFF:FFFFFFFFF,F:FFFFFFFF,FFFFFFFF:FFF:FFFF::FFFFFFFFF
 ,FF:FFF:FFFFFFFF:FFFFFFFF,FF:FFF
 FFF
 @A00721:190:HGJW7DSXY:4:2134:28610:5415_2:N:0:TCTGCAAG+GCTGCACT
 TCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCA
 ATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTA
 +
 FF,FFF
 FF:FFFFFFF
 @A00721:190:HGJW7DSXY:4:1414:14751:34648_1:N:0:TCTGCAAG+GCTGCACT
 AGAGGGGAAATGTACCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAA
 TTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGAATAAGAAATCTGCACGGGCCAA
 A
 +
 FFFF,FFFFFF:F,FFFFFFFFFFFF,FFFFFFFF:FFFFFFFFF:,FFFF::FFFF:FF::F:F:FF
 FFFF::F:FFFFFFFF:F,FFFFFFFFFFFF::FFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFF:FFF
 F
 @A00721:190:HGJW7DSXY:4:1369:20636:3129_2:N:0:TCTGCAAG+GCTGCACT
 CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
 TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAT
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFF:F:
 @A00721:190:HGJW7DSXY:4:1416:29008:17315_2:N:0:TCTGCAAG+GCTGCACT
 TCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGA
 AAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGTGAC
 +
 FF:FFFFF
 FF
 @A00721:190:HGJW7DSXY:4:2229:24686:8985_2:N:0:TCTGCAAG+GCTGCACT
 GTTTTTGTCAACGGCGTTTGGAGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCTATGGAGT
 CTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
 +
 FFFFFFFFFFFFFFFFFF::FFF
 FFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
 @A00721:190:HGJW7DSXY:4:2272:26558:8782_1:N:0:TCTGCAAG+GCTGCACT
 CCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATG
 CGGGCTTTCTGACTGATGAGGTTAAAGTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTAC
 TGG
 +
 FF:FFFFFFFFFFFF
 FF
 FFF
 @A00721:190:HGJW7DSXY:4:1320:25843:27899_2:N:0:TCTGCAAG+GCTGCACT
 TCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCCCACATATGGTA
 GACGTTGTCACACTTTTCTTGAAGATTTTCTTTCTCCTCGTCATTGG
 +
 FFFFFFFF,FFF:F:FFFFFF:FFFFFFFFFFFFFFFFF
 F:FFFFFFFFFFFF,FFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF,FFF
 @A00721:190:HGJW7DSXY:4:2669:14543:26710_2:N:0:TCTGCAAG+GCTGCACT
 GTGAGAAGGTGGAAGGTGTCAAGGCTTCTTTCATGCTGATCTTTCAGGACCTAATCACATCATGATT
 GATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAATT
 +

[illegible]

GTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGT
CAT

+

FF,FFFFFFFFFF:FF,FFFFFF:FF:FF:F::FFFFFFFFF:FFFFFFFFF:FFFFFFFFF
:FF:FF,:FFF::FF:FFFFFFFFFFFFFFFFF:F:,F::FFF:,FFF:FFF:F:F:FFF:F:F,F
FF,

@A00721:190:HGJW7DSXY:4:2529:13829:20744_2:N:0:TCTGCAAG+GCTGCACT
CGAAGGATTGGGTTATTCTCACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCCTTA
AGGGCGGACAATTGTTCCATTGTGAACCTTGGGGACTAGATTGAGCA

+

FF
FFFFF:FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1331:13973:4586_1:N:0:TCTGCAAG+GCTGCACT
AGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTATTCAGAATACCTATTTCCGTACCAAGAGCCAC
TGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAAATTTT
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2519:10574:36025_1:N:0:TCTGCAAG+GCTGCACT
TAAAGTTTCTTCATAAGGGCTATTAGTACGTATGGGGATCACTTCTTCGGTCAATGACAAAACCT
TCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCAC
CAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1324:13964:2816_1:N:0:TCTGCAAG+GCTGCACT
GAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACAC
GTTATGCTCGAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG
ATT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1335:10700:8218_2:N:0:TCTGCAAG+GCTGCACT
ACGGTGACTTTATGGACAAGATGCAAGTCTTGGGAAATACTTGTTTCCCTTTTAGGGTTAGTAGGT
GATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAAT

+

FF
F,F:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF,FFF:FFFF

@A00721:190:HGJW7DSXY:4:2444:23529:27993_2:N:0:TCTGCAAG+GCTGCACT
TATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTGAGATTGAGAAGATTGAAGAACACGTCAAGA
AGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1575:8730:27821_2:N:0:TCTGCAAG+GCTGCACT
GTACCTTCTGTCAAACCTTCGAGGTTCACTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTC
TAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGAGATCGG

+

FF
FF,FF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFF:FFFFFFFFF

+
FFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1168:19804:2534_1:N:0:TCTGCAAG+GCTGCACT
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA
CTT
+
FF::
:FF
FFF
@A00721:190:HGJW7DSXY:4:1266:5403:12602_1:N:0:TCTGCAAG+GCTGCACT
GAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATT
CTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCG
TCG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1173:2537:34006_1:N:0:TCTGCAAG+GCTGCACT
GTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTC
CATGCAAATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTAATCGTGAGGTTACG
AGA
+
FF:,FFFFFFFF
F::FFFFFFFF,F,FF
FFF
@A00721:190:HGJW7DSXY:4:1157:12943:6527_2:N:0:TCTGCAAG+GCTGCACT
GGTTTATCGGTTGTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCA
CCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTC
+
FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF
FF::FF:
@A00721:190:HGJW7DSXY:4:1221:21757:14372_2:N:0:TCTGCAAG+GCTGCACT
TATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGG
TGGTAGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTTCGATTGGAT
+
FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF
,FF:FF
@A00721:190:HGJW7DSXY:4:1473:31684:4570_2:N:0:TCTGCAAG+GCTGCACT
CGTCTCACGACTAATTTGATAAGGTTTTCTTTTATGGGACTCTTGTTTGTACTTATGAAGGAGGTAT
TACTTCGGAAGTTCTTAATGTAGGTCTCCTAGTACTTAAGGTTTATG
+
FFFFFFFFFFFF,FF
FFFFF:FF
@A00721:190:HGJW7DSXY:4:1127:19271:31109_2:N:0:TCTGCAAG+GCTGCACT
TTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAAGAGATTAAACATAAAATC
CAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTT
+
:FFFFFFFFF:FF
:FFFF,,FF:FF
@A00721:190:HGJW7DSXY:4:1468:6180:26256_2:N:0:TCTGCAAG+GCTGCACT
TCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGCCACTT

CTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTG

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:F:FFF

```

+

```
F:FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

[illegible]

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FF

```

+

[illegible]

+

[illegible] $+$

```

FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF::FF,F

```

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF
```

CGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1342:7374:1861_2:N:0:TCTGCAAG+GCTGCACT
ACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAG
ACCCTTTTCTTACACATCTACTTAAGGCGGCTTATACCATAGGTTAC
+
FFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFF:
FF::FFFFFFFF:FFF:FFFF,FFFF:FFF:FFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1315:13313:32941_2:N:0:TCTGCAAG+GCTGCACT
CAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCT
TGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGA
+
FFFFFFFFFFFFFFFF:FF::FFFFFFFF:FFF:FF:FFF:,FFFFFFFF:FFFFFFFF:FFFF
FFF:F:FFFFFFFF:FFFF:FFF:,F:FFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1363:12328:10128_2:N:0:TCTGCAAG+GCTGCACT
GAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGACACTATGGAAAT
TAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAA
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1326:3992:2049_2:N:0:TCTGCAAG+GCTGCACT
AATTAACAAAGTCCTTGTAAGAGTAAGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAG
GTAATACTTACCAGCACGTTCCGGCTGGTTAGAATTAACCTCAAGATG
+
FFFFFFFFFFFFFFFF:FF
FFF:FF
@A00721:190:HGJW7DSXY:4:1305:29396:9251_2:N:0:TCTGCAAG+GCTGCACT
CACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTACGATACTTTGTTATCAATGTA
AAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTCTG
+
FF,FFFFFFFFFFFF
FFFFFF:FF
@A00721:190:HGJW7DSXY:4:1156:10890:23985_2:N:0:TCTGCAAG+GCTGCACT
ACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTG
ACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCT
+
FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1525:2365:1767_2:N:0:TCTGCAAG+GCTGCACT
GGTTATTCCTGGACCCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCA
AGTCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTGTATAGGTA
+
:FFFFFF:FFFF,FFFFFF:FFFFFFFFFFFF,FFF,,FFFFFF:FFFFFFFFFFFFFFFF
FFFF::,FFFFFFFF,FFFFFFFFFFFF:,FFF:,FF:FF:,F
@A00721:190:HGJW7DSXY:4:2166:28167:4742_2:N:0:TCTGCAAG+GCTGCACT
GCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAA
GAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCAACG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1569:18041:16830_2:N:0:TCTGCAAG+GCTGCACT
TCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGATCAGTCTAAG

+

@A00721:190:HGJW7DSXY:4:2335:11695:9502_1:N:0:TCTGCAAG+GCTGCACT
AACAAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGA
CTATATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAAACTTGATGCTTCAGCCTTTT
CGA

+

@A00721:190:HGJW7DSXY:4:1544:3540:15013_1:N:0:TCTGCAAG+GCTGCACT
AGAATATCGTTTATCACGCAAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGAGG
AGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCG
GAA

+

@A00721:190:HGJW7DSXY:4:1138:31204:10003_1:N:0:TCTGCAAG+GCTGCACT
CGAGATCTTGCAGAGTGACTGGAGTTT CAGACGTGTGCTCTTCCGATCTTTTCTTTTGTAAAGCCTATG
AGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATAT
TTT

+

@A00721:190:HGJW7DSXY:4:1139:11342:13526_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAAACGGCCAACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAAGTTTTCGGCTGTG
GTT

+

@A00721:190:HGJW7DSXY:4:1420:27498:29888_1:N:0:TCTGCAAG+GCTGCACT
CCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAA
GCGAAATTTTGGAGGGATAAACACGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACAT
CTA

+

@A00721:190:HGJW7DSXY:4:1311:2392:31814_1:N:0:TCTGCAAG+GCTGCACT
CCTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAG
ATTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAGCTCTTG
CGA

+

@A00721:190:HGJW7DSXY:4:2213:15619:18020_1:N:0:TCTGCAAG+GCTGCACT
TATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAA

[illegible]

@A00721:190:HGJW7DSXY:4:2273:12626:35916_2:N:0:TCTGCAAG+GCTGCACT
ACATTACCCGAAAGACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTC
ACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCA

+

FF
:FF
FFF

@A00721:190:HGJW7DSXY:4:1640:24035:16063_2:N:0:TCTGCAAG+GCTGCACT
TTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTC
AGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTAC

+

FF
FF
FFFF

@A00721:190:HGJW7DSXY:4:2628:27570:15264_1:N:0:TCTGCAAG+GCTGCACT
CGGATTACCTGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCA
AGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTATC
GT

+

:F:FF
FF,FFF:,FF
FF

@A00721:190:HGJW7DSXY:4:2607:15935:10332_2:N:0:TCTGCAAG+GCTGCACT
TACTATAGTGTTATTTATTCTGGTGGTGTATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAG
AGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTC

+

FFFFFFFFFFFF,FF
FF
FFFF

@A00721:190:HGJW7DSXY:4:2410:25852:17080_1:N:0:TCTGCAAG+GCTGCACT
TGAAGGAGGAGGTTTCTGTTACTGGAACCCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTC
ACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGT
TAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1260:27796:26929_1:N:0:TCTGCAAG+GCTGCACT
CCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAG
CTGTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCT
GCT

+

FFFFF:FFFFFFFFFF:FF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2137:26549:17785_1:N:0:TCTGCAAG+GCTGCACT
CTTCGTCGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCG
CTGCTGGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTC
ACT

+

FF
FFFFFFFFFFFFF:FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1506:15582:5963_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTA
TCGTTCAAGTGATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGA
TAA

+
FF:FFFFFFFF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1342:24921:26240_1:N:0:TCTGCAAG+GCTGCACT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAG
GTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTC
TCT
+
FFFFFF:FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1140:9444:18975_2:N:0:TCTGCAAG+GCTGCACT
TTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTG
AAGACGTTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAA
+
FFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF,FFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1563:13286:25567_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCGACCTGTTCCGAGTTTTTACGGGATCCGAATGTTCTGTCTATATTAGGTGAAGCGAAATA
CGATTTCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1453:13720:29418_2:N:0:TCTGCAAG+GCTGCACT
ATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCCTCTCTTCTACGAGTATTGC
TATTTATACGTTACGAGAAGAAGGTTCGAAAGTTTGAGAACTTAGTT
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:2515:10357:1485_2:N:0:TCTGCAAG+GCTGCACT
ACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAA
TTTTCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACTCCTAC
+
FFF:F:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2122:15863:11397_2:N:0:TCTGCAAG+GCTGCACT
TCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCACTTAGAACTCGA
AACTCTAAGTGGAATACTGTCTTCCAAGCTTACCTGTATCTTCAAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFF:F
FF:FFF
@A00721:190:HGJW7DSXY:4:2236:7491:30561_1:N:0:TCTGCAAG+GCTGCACT
TTCGATAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTA
CGAAGTATCACTCCACCGGTGAATGGTTTAAGAATACTATAAATAGAATAGCTATTACTACTAATGGC
GTT
+
F:FFF:FFF
FFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2254:20509:28119_2:N:0:TCTGCAAG+GCTGCACT
TAGTGACATCTGGTCAATTTCTGTTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATA
CGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCG
+

FF
FF
@A00721:190:HGJW7DSXY:4:1136:30156:32362_2:N:0:TCTGCAAG+GCTGCACT
CTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAAT
AATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCT

+
FF
FFFFFFFF,FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1101:22290:27665_1:N:0:TCTGCAAG+GCTGCACT
GACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAA
AGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAA
TCG

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2301:11460:20275_1:N:0:TCTGCAAG+GCTGCACT
GATTACACGGTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTATTAAGGT
GAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATT
CT

+
FF
FFFFFFFFFFF:FFF,FFF:FFFFFFFFFFF,:FFFFFFFFFFF,FFF,FF,FFF,FF,FF,,F,,:F,F
:F
@A00721:190:HGJW7DSXY:4:2630:5249:35008_1:N:0:TCTGCAAG+GCTGCACT
TATGCTGATCTAAAATTTGATCTAGATGGATCCACTCCTCGAGTTATCATGATGTTAGTATGTTATA
TACTGATTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAAC
CTC

+
FFFF,F,F:,FFFFFFFF,FF:FFFF:FF::FFFFFFFFFFFFFFFF:FFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1528:15492:25692_2:N:0:TCTGCAAG+GCTGCACT
GAGATCACACATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAAT
AAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGT

+
FFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2669:9516:2816_2:N:0:TCTGCAAG+GCTGCACT
TGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGG
CGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAAC

+
FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1169:13169:23672_1:N:0:TCTGCAAG+GCTGCACT
GGCTCTAAAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTA
TGTGGAGATATCGTGATATCAGTACGTCCAGATCCTCTGCTTTTACCGATAACGATAAATTCGTCATC
AAA

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1155:25644:27586_1:N:0:TCTGCAAG+GCTGCACT
TTGGTGCTTAGGGATATAATGAATTCAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCT

TAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTC
TAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1457:14470:3630_1:N:0:TCTGCAAG+GCTGCACT
TGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCAACCCGTTGATGCTATGTCAGAAGAAGCT
ATTCAGCTTGTCTGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAA
GGT

+

FF
FF
:FF

@A00721:190:HGJW7DSXY:4:1352:21703:4601_2:N:0:TCTGCAAG+GCTGCACT
TGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACG
GAAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTT

+

FFFFFFFFFFFF:FFF
FFFFFFFFF:FFF
:FFF

@A00721:190:HGJW7DSXY:4:1437:12753:20415_1:N:0:TCTGCAAG+GCTGCACT
GTAGTGAACGCGTTCGTAGAACCAAGTACTTTCGCTCTGAAGAGTTTAGAGCTGCTATTGATTATGTA
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGA

+

FFFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1313:3549:26146_2:N:0:TCTGCAAG+GCTGCACT
TTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCAT
AACTTTTGTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1105:11849:30091_1:N:0:TCTGCAAG+GCTGCACT
TAACGATCTCTCGGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTT
AGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACT
CAC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1125:5385:7592_2:N:0:TCTGCAAG+GCTGCACT
GCTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGAT
GGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2130:23565:24518_1:N:0:TCTGCAAG+GCTGCACT
TTAACTTAATACACCAATAGAAAATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCT
TCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTT

+

:,:,:,::F:,:,,:,,,,,F,F:,,F,FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1239:9498:26866_2:N:0:TCTGCAAG+GCTGCACT
TTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTTTGTGAAAAACATGAGATACCCAAGTCT
ATCGAAGACATTATCTCTTATGTACTTATTGTAACGATCATTCTTTTCG

+

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:F:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1617:7211:4899_1:N:0:TCTGCAAG+GCTGCACT
TTCTTATTCTTTTATTCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTA
TCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGG
TCA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFF:FFFFFFFF
FF:FFFFF:
FFF

@A00721:190:HGJW7DSXY:4:1617:7211:4899_2:N:0:TCTGCAAG+GCTGCACT
TATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGG
AACTTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
F:F:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1318:1723:30812_2:N:0:TCTGCAAG+GCTGCACT
TTCGACAAATTTAGAACTTTATTTAGAAGTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC
TTTTCAATAAGATGTATGATGATAATCTACTATTTTAAATAGTGATA

+

FFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2156:26178:14544_1:N:0:TCTGCAAG+GCTGCACT
ACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTT
ACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAA
GAT

+

FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF
F::FFFFFFF,FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1425:19958:25003_1:N:0:TCTGCAAG+GCTGCACT
ACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAA
GAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAAC
TTT

+

F:FF,F:FFFFFF::FFFF,FFF,FFFF:FFFF:FF:F:FFF,FF,FFF:,FF,F:FFFFFF:,
FFFF,F:FF,:FF:F,FFF,FFFFFFFF:F::FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1403:22607:31375_1:N:0:TCTGCAAG+GCTGCACT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTCTTAAATATTCTA
GTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAA
TGC

+

FF::FFFF,FFF:FFFF,FFFFFFFF,F:FFFFFF:FFFFFFFF:FFFFFFFF:F:
FFFF:,FFF,FFFFFFFF:FFF:FFFFFFFF,FFFF,::FFFF::FFF:,FFFFFFFF,
FFF

@A00721:190:HGJW7DSXY:4:1426:7102:33207_2:N:0:TCTGCAAG+GCTGCACT
AAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCA

+

FFFF:FFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FF,FF:FFFF
FF:FFFF:FFFFFFFFFFFFFFFF, :FF:F:FF:FFFF:FFFF
@A00721:190:HGJW7DSXY:4:2570:29333:28025_1:N:0:TCTGCAAG+GCTGCACT
GGGGAGAATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGT
TTGTATAAATTTATATGATTTTCTATATATATACCACATATATATATATAAAATCCTATAAATTTG
TAC
+
FFFFFF:FFFF,FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2274:12798:19085_2:N:0:TCTGCAAG+GCTGCACT
GAAGAAAACCACTCCCTTCAATTCAATAACATAACATACCATACCTCCCAAACATAACATACCATA
ACCTACCATGACCAATCATCGCTCCAACCTGGCACGCCAGACGTAGGGT
+
FFFFFFFFF, :FFFF:,FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2338:1099:33959_2:N:0:TCTGCAAG+GCTGCACT
ACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTTCC
CAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2472:11008:20212_1:N:0:TCTGCAAG+GCTGCACT
GGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCT
CTGTGGGAAGTGAAGGACGTACCTCAGTCAAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTG
ACT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2544:1732:9784_2:N:0:TCTGCAAG+GCTGCACT
TCAATACGTCGTGGGAGGTACTGAAGCCTTCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCA
ATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTA
+
FF,FFFFFFFFFFFF:FFFFFFFF:F
FFFF:FFFFFFFFFFFFFFFF:FFF:,FF:F:FFFFFF,FFFFFF
@A00721:190:HGJW7DSXY:4:1318:22851:36683_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGTCCATCAGGACCTAAGAAGGGGAAA
TTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGAATAAGAAATCTGCACGGGCCAA
AGA
+
FFFFFFFFFFFFFFFF,FFFFFFFFFFFF, :FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1154:21404:25222_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGA
CGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1350:2410:5822_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGTATTGCGTGGGTTGTAGGCCG

ACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGC
+
:FFFFFFFFFFFFFFF:FFFF,FF:FFFFF::F,,FFFF::FFF:FF,FF,,F,FF:FF,FFFFFF,:FFFFFF
,FFFFFF,FFFFFF,FFFFFF,,F,FFF:FF:FF:FFFFFFFF:FF:FFFFFF,F,:FFFFFFFF:,F
F
@A00721:190:HGIW7DSXY:4:1235:18765:3615_2:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGA
+
FF:F:FFFF:FF
FF
@A00721:190:HGIW7DSXY:4:1167:19741:16172_1:N:0:TCTGCAAG+GCTGCACT
CACTATTTTTGCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTG
AGGGTTTTTGTATATTCACTGGTTCTGGGAGGCTGCTTCTCCTACATAATTACAACCTCTCTTTAGAG
AGC
+
FFFFF:FF
FF
FFF
@A00721:190:HGIW7DSXY:4:1109:8477:7560_2:N:0:TCTGCAAG+GCTGCACT
AGTTGGGCAAATTCACATATGGTAGACGTTGTCACTTTTCTTGAAAATTTTCTTTCCTCCGT
CATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTT
+
FF
FFF:FFFFFFFFFFFFFFF,FFFF,FF
@A00721:190:HGIW7DSXY:4:1136:23158:9157_2:N:0:TCTGCAAG+GCTGCACT
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTTCA
+
:FF
FFFFFFFFF:FF
@A00721:190:HGIW7DSXY:4:1226:11993:13307_2:N:0:TCTGCAAG+GCTGCACT
AAGAAAACTTCGTGAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCT
CACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
+
FFFFFFF:FF
FF
@A00721:190:HGIW7DSXY:4:1226:8404:18396_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAG
AAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGA
+
FF
FF
@A00721:190:HGIW7DSXY:4:1414:14986:35180_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT
+
FFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFF::FFFFFFF:FF
@A00721:190:HGIW7DSXY:4:2321:25870:1454_2:N:0:TCTGCAAG+GCTGCACT
TTAACGTGGCAGAATTCGGTAAGTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAAGTTTGAC
TCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTC
+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF,FFFFF:FFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:2437:3947:35884_1:N:0:TCTGCAAG+GCTGCACT
 TAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGC
 TCTGAGGGCGGTTGAGGGAGCCGTTTTGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAC
 CTA
 +
 F:FFF:FFF:FFFFFFF:FFF
 FF:FFF:FFFFFFFFFFFFFFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:2657:23963:14184_2:N:0:TCTGCAAG+GCTGCACT
 ACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGT
 TCACCCATTCTATCTTGAATGCTCACGCCGTCGACCCCATATCGAGAC
 +
 FF
 FFFFFFFF:FFF
 @A00721:190:HGJW7DSXY:4:2314:23547:31751_2:N:0:TCTGCAAG+GCTGCACT
 AAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAAAC
 CCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATG
 +
 FF
 FFFFFFFFFFFFFFFFFFFFFFFFFF:FF:
 @A00721:190:HGJW7DSXY:4:1340:32479:30185_1:N:0:TCTGCAAG+GCTGCACT
 ATTGATTGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTT
 CTGTTACAAGAACGCTTTGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATA
 TCT
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
 FF:FFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:1333:27905:27367_2:N:0:TCTGCAAG+GCTGCACT
 GCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCGTCTTAGTTTGTCCCGGCGAATTATT
 GGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTAT
 +
 FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F:FFFFF:FFFFFF::F:FF
 FFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1223:26024:29215_2:N:0:TCTGCAAG+GCTGCACT
 GGTTATTCTCACACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACA
 ATTGTTCCATTGTGAACTCTTGGGGACTAGATTGAGCATTAATGAGTT
 +
 FF
 FFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1125:13702:10692_2:N:0:TCTGCAAG+GCTGCACT
 CTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATA
 CGCATACCTGATTGGAATAAGCGAGGTTTCGTTCTCAATAAAAATTTT
 +
 FF
 FF
 @A00721:190:HGJW7DSXY:4:1214:25301:14340_1:N:0:TCTGCAAG+GCTGCACT
 AAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTC
 GAATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCA
 AGA
 +
 FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFF

FF
FFF

@A00721:190:HGJW7DSXY:4:1365:6750:25739_1:N:0:TCTGCAAG+GCTGCACT
GAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACAC
GTTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG
ATT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1553:1841:2581_2:N:0:TCTGCAAG+GCTGCACT
ACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTATAGGTTTAGTAGGT
GATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAAT

+
FF
:F:FFFFFFFFFFFFFFFF:F:FFFF:FFFF,FFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2444:28999:12508_2:N:0:TCTGCAAG+GCTGCACT
TATCAAAGAAAATGGTGAACCGTCTCTAAATCTTTGAGATTGAGAAGATTGAAGAACACGTCAAGA
AGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATC

+
FFFFF::FF
FF

@A00721:190:HGJW7DSXY:4:1639:16197:15765_2:N:0:TCTGCAAG+GCTGCACT
GTACCTTCTGTCAAACCTTCGAGGTTCACTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTC
TAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGAGATCGG

+
FFFFF::FFFFFFFFFFFFFFFF,FF,FF
:FFF,FF:FFFFFFFF:F:FF:FFF

@A00721:190:HGJW7DSXY:4:1564:25807:13526_1:N:0:TCTGCAAG+GCTGCACT
AGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTGAATAAACTAATGAGAGGTATAGGCTTA
GTCAAGTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGCGACGCTGTTTCTCTTGGTATTTC
TGA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1456:25771:32158_2:N:0:TCTGCAAG+GCTGCACT
CAGAGCGTCATTTTCTTTGGGATCTTCTCTGGAAGGGAATTATTAAATCATTCTTCTCACTCTT
GACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTCAAAAA

+
FF
:FF:F:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1126:18150:20243_1:N:0:TCTGCAAG+GCTGCACT
CTGATGTTTTCTACAGAGTGCAGTCGTTCAACACTTATCACCACCTTTGAAAGGAAAATAATTGGT
GATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATGCCACTGGGATTCTAAGGGGTTCCAT
AAG

+
FFFFFFFFFFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2574:2899:22545_2:N:0:TCTGCAAG+GCTGCACT
TTCAATGATCAGGATTCTTCTTTTGGTCTTACGTCTTAAGTAATTTGGATGTTGTCGAAAACATCA
GGTTCTTGTCACGATTCTTAAAGAAGTTTATTAAAACTTCAGAGTCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1158:11379:29716_1:N:0:TCTGCAAG+GCTGCACT
GGTAGCTAATGTTCTTGAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGTAGAGGAGTTGA
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTA
AAA

+

FFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1267:6858:8046_1:N:0:TCTGCAAG+GCTGCACT
AGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACA
CTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGAT
GGC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF:F:FFFFFFFFF:
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1150:2510:36151_1:N:0:TCTGCAAG+GCTGCACT
TAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCA
TAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCTGTT
GAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1218:19208:33035_2:N:0:TCTGCAAG+GCTGCACT
AGTTAGATCATTTGTTGAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTA
GGTCGACGGACTTTAGCAACTTTAGATAAATCCTTTCCGGGCTCAATG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1227:11514:1423_1:N:0:TCTGCAAG+GCTGCACT
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA
CTT

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2246:7554:19586_1:N:0:TCTGCAAG+GCTGCACT
GAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATT
CTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCG
TCG

+

FF:FFFFFFFFF:FF,FFFFF:FFFFFFFFF
FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1362:16152:7200_1:N:0:TCTGCAAG+GCTGCACT
GTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTC
CATGCAAATTTACAGTTCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTAATCGTGAGGTTACG
AGA

+

FFFFFFFFFFFFF:FFFFF,:FFF:FFF

@A00721:190:HGJW7DSXY:4:1432:23610:22686_2:N:0:TCTGCAAG+GCTGCACT
GGTTTATCGGTTGTATTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGTTCTATTACCA
CCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTC

@A00721:190:HGJW7DSXY:4:1235:10013:3364_2:N:0:TCTGCAAG+GCTGCACT
TATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGG
TGGTAGTCAGTTTACTACTTTTCTTTCCCTCCCTTTTTTCGATTGGAT

@A00721:190:HGJW7DSXY:4:1610:16929:26209_2:N:0:TCTGCAAG+GCTGCACT
CGTCTCAGCTAATTTGATAAGGTTTTCTTTATGGGACTCTTGTTTGTACTTATGAAGGAGGTAT
TACTTCGGAAGTTCCTAATGTAGGTCTCCTAGTACTTAAGGGTTTATG

@A00721:190:HGJW7DSXY:4:1259:3097:10895_2:N:0:TCTGCAAG+GCTGCACT
TTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAAGAGATTAAACATAAAATC
CAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTT

@A00721:190:HGJW7DSXY:4:2124:13648:10441_2:N:0:TCTGCAAG+GCTGCACT
TCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGCCACTT
CTAATTTTAGGAAACGTCGCGAAAAGAAAAGTTCATGAGGATGTCTTGG

@A00721:190:HGJW7DSXY:4:1315:14995:27931_2:N:0:TCTGCAAG+GCTGCACT
GAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAAC
CGTCTCAGGAAGTCTCCACTGATTCGGAATTAGAGAAAAGACGACCT

@A00721:190:HGJW7DSXY:4:1340:28592:7983_1:N:0:TCTGCAAG+GCTGCACT
GAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTC
TAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAAACAGAACA

```

#####
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HG1W7DSXY:4:1421:25129:11381 3:N:0:TCTGCAAG+GCTGCACT

```

```

FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HG1W7DSXY:4:2170:3106:24408 2:N:0:TCTGCAAG+GCTGCACT

```

AAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACT
+
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1460:8061:27070_1:N:0:TCTGCAAG+GCTGCACT
AGAGTTTTGGAAGTGTGTAATGTCCTACGTACTGTTCAAGGTGTTGGGCTTCTCTAAAGAACAGCAA
CTTTCAACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATCACCTTGGAGATGGTA
AAG
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1264:13738:11663_2:N:0:TCTGCAAG+GCTGCACT
TAAATTTTCGATTCTGCTTCGACGTAATTCATAAGACCTTTCTTGGGGAGTAAAGAGGGTTTGAAA
ATTACGGAACCTTCTCGTTCTTCATGAAGATCTTCGAGTGTTTTAT
+
FF:FFFFFFFFFFFFF:FFFFFFFFFFFF:FF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:1523:26865:23406_1:N:0:TCTGCAAG+GCTGCACT
TCTTGCGAAGGTTCAAGTCGATTGATTTTGTGACTACGATCTCTCTTGTAAATAAGAAGTTCTTCGCA
GTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAACCTTATAGCGACTTTTGTCAATTTTTCGCAAA
AGG
+
FFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1168:2736:17190_2:N:0:TCTGCAAG+GCTGCACT
ATTGTCAGTCTAATCGTAATTCGCGAGAAGAGATAGTGAAGTTTGGCACTTCTAGTTCATCG
CGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1450:15266:24079_2:N:0:TCTGCAAG+GCTGCACT
ACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAG
ACCCTTTTCTTACACATCTACTTAAGGCGGCTTATACCATAGGTTAC
+
::FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFF,FF:FFFFFF::FFFFFFFF
FFF,,FF,F:F:,FFF::FFFFFFFFF:FFFFF,F,FF:F:FF,F:FF
@A00721:190:HGJW7DSXY:4:1370:2935:31000_2:N:0:TCTGCAAG+GCTGCACT
CAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCT
TGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGA
+
FF
FFFFFFFFFFFFF::FF
@A00721:190:HGJW7DSXY:4:1378:13783:19601_2:N:0:TCTGCAAG+GCTGCACT
GAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAAT
TAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1417:8323:33974_2:N:0:TCTGCAAG+GCTGCACT
AATTAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAG
GTAATACTTACCAGCACGTTTCGGCTGGTTAGAATTAACCTCAAGATG
+

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:1267:16785:10958_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTG
GTT

+
FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:1566:13856:23547_1:N:0:TCTGCAAG+GCTGCACT
CCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAA
GCGAAATTTTTGAGGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACAT
CTA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1311:4282:27946_1:N:0:TCTGCAAG+GCTGCACT
CCTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAG
ATTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGTTGTTGTTTGGCGATTAGCTCTTG
CGA

+
FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2304:4969:4398_1:N:0:TCTGCAAG+GCTGCACT
TATTCTATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAA
ACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAA

+
::FFF,,FF
:FF
@A00721:190:HGJW7DSXY:4:2163:9914:5415_1:N:0:TCTGCAAG+GCTGCACT

TTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTTCATGGACCTTCCATCCTGTACCTCTTCT
GGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTA
AAT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1314:3803:1908_1:N:0:TCTGCAAG+GCTGCACT
CGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACT
TGAGTCTTTTGATCAGTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTT
CTT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1274:28483:17315_2:N:0:TCTGCAAG+GCTGCACT
CTTTGCACTGATTTTTCTCATCAGCTTGTTTACCTAATCTGTGTTTTTACGATAACAACATCA
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCA

+
FFFFFFF:::FF
FFFFFFF::FF:FFFFFFFF:FFFFFFFFFFFFFFFF:FF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1471:2727:13291_1:N:0:TCTGCAAG+GCTGCACT
CGTTTGACCGTGACGAAGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCG
TAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACTCCTTTAAGCGTCTTCT
GTT

@A00721:190:HGJW7DSXY:4:1318:5159:12336_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTAATGTGGCCTGAACACGTTTCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTTGTCTT
CCTTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAA

@A00721:190:HGJW7DSXY:4:1368:16315:25927_1:N:0:TCTGCAAG+GCTGCACT
GTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGA
CCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAA
ATG

@A00721:190:HGJW7DSXY:4:1142:6216:10222_2:N:0:TCTGCAAG+GCTGCACT
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATG
ATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACA

@A00721:190:HGJW7DSXY:4:2274:13150:1564_2:N:0:TCTGCAAG+GCTGCACT
ACATTACCCGAAAGACGTGCTAAATTAACCATTTGACGATGTCTGTCTCGGCGATCACTTTTC
ACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCA

@A00721:190:HGJW7DSXY:4:2201:11478:36182_2:N:0:TCTGCAAG+GCTGCACT
TTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTC
AGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTAC

@A00721:190:HGJW7DSXY:4:1433:14018:31657_2:N:0:TCTGCAAG+GCTGCACT
ATTACCTGTCTTTCATATTATGAATGAACCTTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGA
AGGGTTTCAGAATGGGATTCTACGTAGTTTATGACTTTGAGATCGGAA

@A00721:190:HGJW7DSXY:4:1114:26250:26130_1:N:0:TCTGCAAG+GCTGCACT
TCTTACGTTACGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGAC
GTTGATGAAGCTATAAGAGCGTTCCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGT
TTC

@A00721:190:HGJW7DSXY:4:2123:20690:8516_2:N:0:TCTGCAAG+GCTGCACT
TGTTACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTACTTATGACGATCTAG
TGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTTACTATTATGAACA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1252:16776:12258_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTAACTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTAT
TACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCA
TCG

+

FFFFFFFF:FFFFFFFFFFFFFFFF:FF:
FFFFF:FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1114:23023:9298_2:N:0:TCTGCAAG+GCTGCACT
CACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACT
TCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCT

+

FF:FF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFFF

@A00721:190:HGJW7DSXY:4:1274:12789:28588_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTATGAGGGTGT
TTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATC
GTT

+

FFFFFFFFF:F:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1342:24921:26240_2:N:0:TCTGCAAG+GCTGCACT
GATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTC

+

FF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF::FFF:FFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2342:1624:36808_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTGTTAAAGAGTCGATTAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATC
TCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAAT
CTT

+

:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1425:9444:6825_1:N:0:TCTGCAAG+GCTGCACT
GATCTGTTGCTTGCTCGCTCCTCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCG
ACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTT
GAA

+

FF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1261:2582:3646_1:N:0:TCTGCAAG+GCTGCACT
TCGTACCTTGATGCTGACTTTTCGTCAATATGATTTGATCTGTTGCTCAATTCTAAGCGTGTTCCGCT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGTTACGAGAAGAAGGTTGAAAGTTTG
AGA

+
 FFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF
 FF,FFFF
 FFF
 @A00721:190:HGJW7DSXY:4:1220:3070:36370_2:N:0:TCTGCAAG+GCTGCACT
 TACTAAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTT
 TCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTAC
 +
 FFFFFFFFFFFFFFFF:FF
 FF
 @A00721:190:HGJW7DSXY:4:2213:29215:11475_2:N:0:TCTGCAAG+GCTGCACT
 TCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGA
 AACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAAT
 +
 FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:2374:31891:32362_1:N:0:TCTGCAAG+GCTGCACT
 TTCGATAGGGGACATTTTATCGTGGGCTTTCCGTAAGGAAGATCTGTTATCGACGGTTTATCGTTTA
 CGAAGTATCACTCCACCGGTGAATGGTTTAAGAATACTATAAATAGAATAGCTATTACTACTAATGGC
 GTT
 +
 FF:FFF,FFF:F::FFFFFF:FF,:F:FFFF,,FFFF,FFFFFF:FFFFFF,FFF:FFFFFFFFF:
 F::FFFFFF:FF:::F,:FFFF::FFF:FFFFFFFFF:FFFFFFFFF:FFF:FF:FFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:2319:11550:33426_2:N:0:TCTGCAAG+GCTGCACT
 TAGTGACATCTGGTCAATTTCTTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATA
 CGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCG
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
 FFFFF:FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFF,F
 @A00721:190:HGJW7DSXY:4:1219:9896:22200_2:N:0:TCTGCAAG+GCTGCACT
 CTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAAT
 AATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCT
 +
 FFFFFFFFFFFFFF:FFFFFFFFF:FF
 FF
 @A00721:190:HGJW7DSXY:4:1102:9796:11412_1:N:0:TCTGCAAG+GCTGCACT
 GACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAA
 AGGGATGCATGGTGTATCTCCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTCGTCATAA
 TCG
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FF:FFF:FFF:
 FFF
 @A00721:190:HGJW7DSXY:4:1310:13512:1877_1:N:0:TCTGCAAG+GCTGCACT
 GATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGT
 GAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATT
 CTC
 +
 FFFFFFFFFFFFFFFF:FF
 FF:FFFFFFF:FFFFFFF:FFFFFFFFFFFFF,FFFFFFFF:F:F:FFFFFFFFF:FFF:FF,FFFF
 ,F:
 @A00721:190:HGJW7DSXY:4:1659:17219:5321_1:N:0:TCTGCAAG+GCTGCACT
 CTAGATGGATCCACTCCTCGAGTTATCATGATGTTAGTATGTTATATACTGATTTACAACGATATAGG

@A00721:190:HGJW7DSXY:4:2457:23809:18082_1:N:0:TCTGCAAG+GCTGCACT
ACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTT
ACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAA
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1431:5999:22686_1:N:0:TCTGCAAG+GCTGCACT
ACCGGTGAACACGTCTGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAA
GAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAAC
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1418:2239:35837_1:N:0:TCTGCAAG+GCTGCACT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTA
GTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAA
TGC

+

FFFFFFF, :FFFFFFFFFFFFFF, FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1602:32551:2722_2:N:0:TCTGCAAG+GCTGCACT
AAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGA

+

FFFFFFFFFFFFFFFFFFFFFFFFF, :FF:FF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FF:F: :FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2656:29930:7451_1:N:0:TCTGCAAG+GCTGCACT
GGGGAGAATGAAGTCCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGT
TTGTATAAATTTATATGATTTTCTATATATATACCACATATATATATATAAAATCCTATAAATTTG
TAC

+

FF:FF:FF::, ,F::FFF:FFFF:, FF, FFFFF:FFFFFFFFF:FFFFFFFF:FFFFFFFF:FF
FF::FF
FFF

@A00721:190:HGJW7DSXY:4:2335:2582:20212_2:N:0:TCTGCAAG+GCTGCACT
GAAGAAAACCACTCCCTTCAATTCAATAACATAACATACACTCCCCAAACATAACATACCATA
ACCTACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAGGGT

+

FFFFFFFFFFFF, FFFFFFFF: :FFF:, FFFF:FFFFFFFF:F:FFFF:FFFFFFFFFFFFFFFF
FFFF, F:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FF:FFFF:F

@A00721:190:HGJW7DSXY:4:2338:2257:35556_2:N:0:TCTGCAAG+GCTGCACT
ACCGCCGGTTCGGCAGATCGGCACCACTGGTCTCTACGTTACAGGACCCGCTGTGCAGAATAACCTTCC
CAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGAC

+

FF
FFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1136:6099:13714_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTTCCGATCTCCGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCT
CTGTGGGAAGTGAAGGACGTACCTCAGTCAAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTG
ACT

+
FFFFFFFFF:FFFFFFFFF,FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2545:11731:31955_2:N:0:TCTGCAAG+GCTGCACT
TCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCCAAGCCAATCA
ATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTA
+
FFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1334:15664:23891_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAA
TTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAA
AGA
+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF,
FFFFFFFF:FFF:FFFFFFFFFFFFFFFF
FF:
@A00721:190:HGJW7DSXY:4:1246:2618:18928_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCTTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGA
CGA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1124:3549:14121_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCG
ACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTATCCG
CGC
+
FF:F,FFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1304:20889:31782_2:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCCTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGA
+
FFF
FF,FF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1216:28266:17409_1:N:0:TCTGCAAG+GCTGCACT
CACTATTTTTGCCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTG
AGGGTTTTTGTATATTCACTGGTTCTGGGAGGCTGCTTCTCCTCATAATTACAACCTCTCTTTAGAG
AGC
+
FFFFFFF,FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1275:4029:37027_2:N:0:TCTGCAAG+GCTGCACT
AGTTGGGCAAATTCCCACATATGGTAGACGTTGTCACTTTTCTTGAAAATTTTCTTTTCTCCGT
CATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTT
+
F::FFF:FF:FF:F:FF,FFFFFFFFF:FFF:FFFFFFFFF,:FFFFFFFFF:,FF:FFFFFFFFFFFF
,F,,FFF:FF:::FFFFFFFFF,:F,FFF,FF,FFF:FFF,FFFFFFF

@A00721:190:HGJW7DSXY:4:1269:18005:1360_2:N:0:TCTGCAAG+GCTGCACT
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTTCA

@A00721:190:HGJW7DSXY:4:1239:32425:6856_1:N:0:TCTGCAAG+GCTGCACT
ATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAG
GTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTT
CGT

+

FF,F:F::FF:FFF,:FFFFFFFF:FFFF:FFFFFFFFFFFF,,F:::FF:FFFFFFFFFFFF:F:FFFFFF
,FF:FF:FFFFFFFFFFFF:FFF:F:FFFF:FFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,

@A00721:190:HGJW7DSXY:4:1254:2112:16297_1:N:0:TCTGCAAG+GCTGCACT
GAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA
TGATGCCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTATTCTCACAACAAAGATAAGATTT
TAT

+

FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1233:17002:32565_1:N:0:TCTGCAAG+GCTGCACT
GTTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTCTGGGGACTAGATTGAGCATTAATGAGTT
CCGAATAACTCGTAATAAATCTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCA
CTG

+

FF::FF:FFFFFF:F:FFFFFFFF,FFFF:FFFFF,F:FFFF:FFFF:FFF:F,FFFF:FFFFF
F:FFFF,,FF:FF:FFFFFF:FFF:F,FFFF:FFFF:FFFFFFFFFFFFFFFF:FFFF,:FFF::
FFF

@A00721:190:HGJW7DSXY:4:1657:29776:10410_2:N:0:TCTGCAAG+GCTGCACT
CGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAATTTTCTCAAGAGATTATGGTTGA
TAAAGTTTCTTCATAAGGGCTATTAGTACGTCATGGGGATCACTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1337:31919:34632_2:N:0:TCTGCAAG+GCTGCACT
ACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAA
GTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTC

+

FF
FFFFFFFF:FF,FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1456:17897:15577_1:N:0:TCTGCAAG+GCTGCACT
CTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGG
AGGTGATCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACTTTATGGACA
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1338:4218:20008_2:N:0:TCTGCAAG+GCTGCACT
TTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGAGAAGACAACGAATCTTG
AACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTT

+

FFFFF,FF
F:FFFFFFFF:F:FFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2154:26341:10974_2:N:0:TCTGCAAG+GCTGCACT
GAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTG
ATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGA

+

FF
FF
@A00721:190:HGJW7DSXY:4:1347:31078:34522_1:N:0:TCTGCAAG+GCTGCACT
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTT
TCG
+
FF:FFFFFFF:FFFF:FF
FFFF:FF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2277:17644:13730_1:N:0:TCTGCAAG+GCTGCACT
GTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTTGGTATTTCTGAAA
TAGTTTATCAGAGCGTCATTTTCCTTTGGGATCTTCTCTGGTAAGGAATTATTAATCATTCTTC
TCA
+
FF:FFFFFFF:FFFF:FF
FF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1328:9146:23375_2:N:0:TCTGCAAG+GCTGCACT
TTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCA
GTCGTTTCAACACATATCACCCTTTTCAAAGGAAAATAATTGGTGAT
+
FF:FFFFFFF:FFFF:FF
FFFF:F,FF:FF,FFF,FFF,:FFF,:FF:FFFF,FFFF:FF:FF
@A00721:190:HGJW7DSXY:4:2124:9986:30874_1:N:0:TCTGCAAG+GCTGCACT
GTCGGTGGGGTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGAC
ATTGTGGTTCAATGATCAGGATTCTTCTTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTCGAAA
ACT
+
FFFFFFFFFFFFFF,FF,FFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF
:FF
FFF
@A00721:190:HGJW7DSXY:4:2520:24325:3693_2:N:0:TCTGCAAG+GCTGCACT
TGTCACGATTCTTAAAAGAAGTTTATTAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTC
TTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAG
+
FF:FFFFFF
FF:FFFF
@A00721:190:HGJW7DSXY:4:1173:7880:33238_2:N:0:TCTGCAAG+GCTGCACT
ATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAG
ATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTT
+
,FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FF:FFFF:FFFFFFFFFFFFFFFF:FFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:1275:31295:32362_2:N:0:TCTGCAAG+GCTGCACT
ACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTGGTATAAATCCTGA
TGGCTCTGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCA
+
FFFF,FFFFFFFF:F:FF,:F:FF:FF,F,: ,FFF:FF,FF,FF:FFFF,: ,F:F:FFFF,FF:FF
:F: , ,F,FFF:FF:FFF,FFFFFF:FFF:FFFFFF: ,FFF,FFFFF
@A00721:190:HGJW7DSXY:4:1107:17490:33348_2:N:0:TCTGCAAG+GCTGCACT
GGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTAT
AGTTGGCGTCTTGTGCTTGACGTCATTACAGTCTGGAAGTTAGATCAT
+

[illegible]

@A00721:190:HGJW7DSXY:4:1620:26341:23249_2:N:0:TCTGCAAG+GCTGCACT
TCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTGTTTGATCAGTCTAAG
TTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTG

@A00721:190:HGJW7DSXY:4:1336:15438:9878_1:N:0:TCTGCAAG+GCTGCACT
CAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACT
ATATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCG
AAG

@A00721:190:HGJW7DSXY:4:2254:17309:4476_1:N:0:TCTGCAAG+GCTGCACT
AGAATATCGTTTATCACGCAAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGAGG
AGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCG
GAA

@A00721:190:HGJW7DSXY:4:1477:26720:24659_1:N:0:TCTGCAAG+GCTGCACT
CGAGATCTTGCAGAGTGA CTGGAGTT CAGACGTGTGCTCTTCCGATCTTTTTCTTTTGTAAGCCTATG
AGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAAGTTTGGAGTGCCAGTGAATAT
TTT

@A00721:190:HGJW7DSXY:4:1267:17363:10802_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAAACGGCCAACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAAGTTTTCGGCTGTG
GTT

@A00721:190:HGJW7DSXY:4:2330:23158:17550_1:N:0:TCTGCAAG+GCTGCACT
CCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAA
GCGAAATTTTGGAGGGATAAACACGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACAT
CTA

@A00721:190:HGJW7DSXY:4:1353:24316:12571_1:N:0:TCTGCAAG+GCTGCACT
CCTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAG
ATTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAGCTCTTG
CGA

[illegible]

CGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCG

@A00721:190:HGJW7DSXY:4:1516:19542:4930_1:N:0:TCTGCAAG+GCTGCACT
TTGGTGCTTAGGGATATAATGAATTCAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCT
TAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTTCTTTTGATACAACCTC
TAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1531:32371:33098_1:N:0:TCTGCAAG+GCTGCACT
TGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCAACCCGTTGATGCTATGTCAGAAGAAGCT
ATTCAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAA
GGT

+

FFFFFFFF:FFFFF:,FFFFFFFF:FFFF:FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:1434:25418:25379_2:N:0:TCTGCAAG+GCTGCACT
TGGGTGATAAAAATTATTTAGAGATCTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACG
GAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTT

+

FF:FFFFFFF
FF,FFFF:F,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1572:30346:35383_1:N:0:TCTGCAAG+GCTGCACT
GTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTA
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGA

+

FFFFFFF,FF
FF,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1420:22941:24815_2:N:0:TCTGCAAG+GCTGCACT
TTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCAT
AACTTTTGTACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTAT

+

F:FF:FF:FF:FFFF,FF:FFFFFFFFFFFF
FFF,FFF,FFF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1354:7600:17378_1:N:0:TCTGCAAG+GCTGCACT
TAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTT
AGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACT
CAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1460:14597:8547_2:N:0:TCTGCAAG+GCTGCACT
GCTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGAT
GGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGA

+

FF:FFFFFFF
FF,FFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1165:22200:11819_1:N:0:TCTGCAAG+GCTGCACT
TACACGAAGAGATAATCCGCAAACGACTCGAAACGAGACGCCGTAGATCAAAGTCCCTTCTAACTTT
AGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAAC
CTT

[illegible]

```
FFFF:FFFFFFFF,FFFF,FFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFF
FFFFFFFFFFFFFFFF:FFFF,F:FFF,FFF:FFFFFF:FF:F:FF:FFFFFFFF:FFFF:FFFFFFFF
FFF
```

@A00721:190:HGJW7DSXY:4:1247:16098:27524_2:N:0:TCTGCAAG+GCTGCACT
TATTTTCTATAAGGGAAATAGCAATAATCAAATTCGACAAATTTAGAACTTTATTTCAGAACTC
TCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAATAAGAT

@A00721:190:HGJW7DSXY:4:1364:30101:20807_2:N:0:TCTGCAAG+GCTGCACT
ATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACC
GCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAA

```
FF,FF:FFF:FF:FFFFFFFF:FFFF,F:FFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFF
FFFFFFFF:FFFF:FFFFFFFF:FFF,FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFF
```

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFF
```

```

FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF,FF:FFFF
FFF

```


+

 $+$

+

 $+$

+

+

+

+

[illegible]

@A00721:190:HGJW7DSXY:4:1421:13006:18098_1:N:0:TCTGCAAG+GCTGCACT
AGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCTGCTCTCACTATTTTTGCCCAGAATGCGGGC
TTT

+

FF:FFFFFFFFF
FFF:FFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2124:32759:25911_2:N:0:TCTGCAAG+GCTGCACT
GCTCCTTCTGTGGGTGAGGGTTTTGTTATATTCACTGGTCTGGGAGGCTGCTTTCCTCCATAATTA
CAACCTCTCTTTAGAGAGCATTAGAAAGATCGGAAGAGCGTCGTGTAG

+

FF:FFFFFFF
FFFFFFFFF:FFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2652:32877:17942_2:N:0:TCTGCAAG+GCTGCACT
GTTGTCACACTTTTCTTGAAAATTTTCTTCTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGA
AGGTGTCAAGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACAT

+

FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:,F:FF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFF
FFFFFFFFF,:F:FFFFFFFFF,FF:F,FFFFFFFFF,FFFFFF,FF

@A00721:190:HGJW7DSXY:4:2159:24478:21057_1:N:0:TCTGCAAG+GCTGCACT
ACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTCCAGCT
GTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTGAGAAGATGAGGAAGTCTAAGAG
GAG

+

:FFFFFFFFFFFF:FFFFFFFFF:FF:F,:FF
FFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1374:18882:30248_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGA
TTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATA
ATC

+

FF:FFFFFFFFFFFFFFFFFFFF,,F:FFFFF::FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFF:FFFF
,F,FF:FFFFFFFFFFFF,:FFFFF:FFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF:
FF:

@A00721:190:HGJW7DSXY:4:1206:9869:26757_2:N:0:TCTGCAAG+GCTGCACT
AGCAAGAGAAGCTTATATGCTGGTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAG
ATATAATTTAGGTCAACTTGGGAGATCGGAAGAGCGTCGTGTAGGGAA

+

FF
FF:FF,F::FFFF,

@A00721:190:HGJW7DSXY:4:1334:21748:36808_2:N:0:TCTGCAAG+GCTGCACT
TCCTTTTGAGTATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACT
TACCATATTGTTCTTCCGGAAGTTGTGGGATTTAACTTTGACTCAA

+

FF
FFF:FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2250:14000:9768_2:N:0:TCTGCAAG+GCTGCACT
GGTATGGACTACTCTACTTTTGATCTGGAGTTGTCTAGGGTCATTGCAGATACTACCGATAAGGTGAA
AAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTAGAGGGAGC

+

FF,F,:FFF,FFFF,FFFF,FFFFFFFFF,F,:,,FFF,F,F,F,:F:FF:FF:,FF,F,:F:F:,,:F
F,F,F,,F:F,,FF:F,F,FF:,FF,:FFFF:F,FF:FF,FFFFFF,

@A00721:190:HGJW7DSXY:4:1568:25870:31140_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGC
GGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC
GTC

+

FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2141:20302:18208_2:N:0:TCTGCAAG+GCTGCACT
TTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTT
TTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTC

+

FF
FF:FF
:FF

@A00721:190:HGJW7DSXY:4:2460:10755:35994_1:N:0:TCTGCAAG+GCTGCACT
GATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGC
TATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAG
TTG

+

FF:, :FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1250:29116:29152_1:N:0:TCTGCAAG+GCTGCACT
CTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTT
GTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGT
CAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2132:31539:17221_2:N:0:TCTGCAAG+GCTGCACT
GGTTATTCTCACAAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACA
ATTGTTCCATTGTGAACCTCTTGGGGACTAGATTGAGCATTAATGAGTT

+

FF
FF
F::F:FF,

@A00721:190:HGJW7DSXY:4:2101:2709:4836_2:N:0:TCTGCAAG+GCTGCACT
CTTTCTCTAGTGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATA
CGCATACCTGATTGGAATAAGCGAGGTTTCGTTCTCAATAAAAATTTT

+

FF
FFF:F:FFFFFFFFFFFF:FF
FFFFFFFF

@A00721:190:HGJW7DSXY:4:1128:32624:10457_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAAT
ATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGG

+

FF
FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1119:20961:23703_1:N:0:TCTGCAAG+GCTGCACT
TCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGAGCGATCTTACTCGTTATCGGAG
CTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAAACTTAACGTTAGTACCGGAGGTGATCTCTCT
GCT

+

FFF,F:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1404:24722:18662_1:N:0:TCTGCAAG+GCTGCACT
GAGAGAAAAGATTACAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGT
TTCCCTTTTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACG
AAT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1111:30861:14074_1:N:0:TCTGCAAG+GCTGCACT
GAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGT
TCTTGA AAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAA ACTTCGAGGTT
CAG

+

[illegible]

@A00721:190:HGJW7DSXY:4:1442:9200:13448_2:N:0:TCTGCAAG+GCTGCACT
GATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTG
GGTTGAGAAGTGTGCTTTACAAGGAGAGATCGGAAGAGCGTCGTGTAG

+

```
FFFFFFFF:F,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF
```

@A00721:190:HGJW7DSXY:4:1168:20799:2910_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTA
CGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGGTATTTCTGAAA

+

```

FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF:FFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1314:6479:2722_2:N:0:TCTGCAAG+GCTGCACT
CGTCATTTTCCTTTGGGATCTTCTCTGGTAAGGGAATTATTAATCATTCTTCTCACTCTTGACGA
GAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTAAAAAATGCGG

+

```

FFFFFFFF,FFFFFFFF,FFFFF:FFFFFFFFFFFFFFFFFFFFF::FFFFFF,FF:FFFF
FFF:FFFFFFFFFFFFFFFF:FFF,FFF:FFFFFFFF,FFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1168:21594:5102_2:N:0:TCTGCAAG+GCTGCACT
TGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACCCTTTTCAAAGGAAAATAATTGGTG
ATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTG

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF:FFFFF,:FFFFFF:FFFF:FFF,F
,FFFFFFFF,F::FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF,,,E:FF::,,F,F

```

@A00721:190:HGJW7DSXY:4:1130:11234:11835_2:N:0:TCTGCAAG+GCTGCACT
GGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTGGTCCTTACGTCT
TAAGTAATTTGGATGTTGTCGAAACTATCAGGTTCTTGTCACGATTC

 $+$

```

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFF:FF

```

@A00721:190:HGJW7DSXY:4:1111:26919:13855_2:N:0:TCTGCAAG+GCTGCACT
TTAAAACTTCAGAGTCTCTTGGAAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGG
AAAAGAGACCTCTGTTGTAGAGGAGTTGAGAGAATTACTCAGATTCAA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2666:32199:31767_1:N:0:TCTGCAAG+GCTGCACT
TTTTCTTCCCTCCCTTTTTTCGATTGGATTGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGT
TTTTCTTTATGGGACTCTTGTGTGACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGTAGGT
CTC

+

FFFF:F,FFFFFF:FFF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF,:FF:FFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1617:27444:31579_1:N:0:TCTGCAAG+GCTGCACT
GGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCC
GTGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTG
TCG

+

FF:FFFFFFFFFFFFFFFFFFFFF,:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1463:10022:17785_2:N:0:TCTGCAAG+GCTGCACT
GGCTGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTAC
TAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGA

+

FF:FFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1127:11153:24001_1:N:0:TCTGCAAG+GCTGCACT
TCTTGGTCGAAAAATATCGCCGGGAACCTTAATAGAGGATCCTGATGACATTATTTCAACGGATACC
GATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGTCTCCACTGATTCGGAATTAGAGGAAGACGA
CCT

+

FFFF:FFF:FFFFFFFFFFFF::FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFF:FFFF:FFFFFFFFFFFFFFFFFFFF:F,F:F:FFF
F:F

@A00721:190:HGJW7DSXY:4:1669:13250:19586_1:N:0:TCTGCAAG+GCTGCACT
GAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTC
TAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAAC
AGC

+

FFF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1520:25970:5008_2:N:0:TCTGCAAG+GCTGCACT
ACTGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGA
TCTTCCAGAGTTACGTAGTGGTCGTTGTTGATTTTATCAAAGA

+

FF:FFFFFFFF:FFFFFFFFF,:FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFF,FF:FFFF:,,:FFFFFFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:2404:17933:5368_2:N:0:TCTGCAAG+GCTGCACT
CAAGTTAACTTCGAAGTACCACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCCAAA
AAGCTATTAATAGCAGTTGCGGGCTATAATACCGCCTCCAGATTACT

+

FFF
FF

@A00721:190:HGJW7DSXY:4:2139:1823:14043_1:N:0:TCTGCAAG+GCTGCACT
AGAGTTTTGGAAGTGTGAATGTCTACGTACTGTTCAAGGTGTTGGGCTTCTCTAAAGAACAGCAA
CTTTCAACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATCACCTTGAGATGGTA
AAG

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1523:26865:23406_2:N:0:TCTGCAAG+GCTGCACT
ATTCTGCTTCGACGGTAATTCATAAGACCTTTCTTGCGGAGTAAAGAGGGTTTGAAAATTACGGAAC
CTTTCCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGATTTAT
+
FF:FFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1266:32633:34084_1:N:0:TCTGCAAG+GCTGCACT
CAAGTCGATTGATTTTGTGACTACGATCTCTTGTAATAAGAAGTTCTTCGCAGTTGAATCTCCAC
CAGGTGGAGGGAAGACCACTGAACCTATAGCGACTTTTGTGCAATTTTCGCAAAGGCTTGAAGTA
CGT
+
FFFFFFFFFFFFFFF,FF:FFFFFFFFFFFF:FFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1358:30092:25363_2:N:0:TCTGCAAG+GCTGCACT
TCGTAATTCGCGAGAAGAGATAGTACTAAAGTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAA
TTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1662:22525:9471_2:N:0:TCTGCAAG+GCTGCACT
ACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAG
ACCCTTTTCTTACACATCTACTTAAGGCGGCTTATACCATAGGTTAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF:FFFFF:F:FFFFFFFFFFFF:FFFFFFF,F
FF
@A00721:190:HGJW7DSXY:4:2353:13476:28463_2:N:0:TCTGCAAG+GCTGCACT
CAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTACTTCAACATCAACGACATCATTCT
TGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGA
+
FFFFFFFFFFFFFFF:FF: :FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2513:26169:20134_2:N:0:TCTGCAAG+GCTGCACT
GAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAAT
TAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAA
+
FFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFF:FFFFFFFFFFFF:F:
@A00721:190:HGJW7DSXY:4:2631:9968:21042_2:N:0:TCTGCAAG+GCTGCACT
AATTAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAG
GTAATACTTACCAGCACGTTGGCTGGTTAGAATTAAACCTCAAGATG
+
FFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2622:9498:13526_2:N:0:TCTGCAAG+GCTGCACT
CACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTA
AAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAC TG

@A00721:190:HGJW7DSXY:4:1511:21640:26506_2:N:0:TCTGCAAG+GCTGCACT
ACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTG
ACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCT

+

FFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1606:7075:27398_2:N:0:TCTGCAAG+GCTGCACT
GGTTATTCCTGGAACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCA
AGTCGGTTGTGCGATCGAATTAAGATCAAGGCTAATACCTGTATAGGTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2310:26856:32346_2:N:0:TCTGCAAG+GCTGCACT
GCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAA
GAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCAACG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2242:22589:29904_2:N:0:TCTGCAAG+GCTGCACT
TCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGTTCTTGAACGGTGTGTTTGATCAGTCTAAG
TTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2120:19443:12367_1:N:0:TCTGCAAG+GCTGCACT
CAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACT
ATATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCG
AAG

+

FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2366:13340:28886_1:N:0:TCTGCAAG+GCTGCACT
AGAATATCGTTTTATCACGCAAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGG
AGAGTCAAACAGTGTCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCG
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2346:15148:29356_1:N:0:TCTGCAAG+GCTGCACT
CGAGATCTTGAGAGTGACTGGAGTTGAGACGTGTGCTCTTCCGATCTTTTCTTTTGTAAGCCTATG
AGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTGAGTGCCAGTGAATAT
TTT

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1273:26503:10817_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTG
GTT

+

FFFFFFFFFFFF:FFFFFFFFFFFF:FF:

FF
FFF

@A00721:190:HGJW7DSXY:4:2335:3305:17895_1:N:0:TCTGCAAG+GCTGCACT
CCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAA
GCGAAATTTTTGAGGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACAT
CTA

+
:FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1377:23809:26256_1:N:0:TCTGCAAG+GCTGCACT
CCTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAG
ATTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAGCTCTTG
CGA

+
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1428:27118:12195_2:N:0:TCTGCAAG+GCTGCACT
ATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATT
CCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACC

+
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFF:FF:FFFFFFFFFFFF
F:FFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFF,,FFFF:FFFF

@A00721:190:HGJW7DSXY:4:1542:15248:8578_1:N:0:TCTGCAAG+GCTGCACT
TGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTA
CCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACC
AAG

+
FFFFFF:FFFFFFFFFFFF:FF:FFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1508:20518:22968_1:N:0:TCTGCAAG+GCTGCACT
CGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACT
TGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTT
CTT

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1448:4164:31939_2:N:0:TCTGCAAG+GCTGCACT
CTTTGCACTGATTTTTCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATCA
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCA

+
FF
FFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2416:25789:3881_1:N:0:TCTGCAAG+GCTGCACT
CGTTTGACCGTGAATAACTGTGGTGTTCTTGATATAAGTTACGGATATACTCTCCTTGAGTTCACTCG
TAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACTCCTTTTAGCGTCTTCT
GTT

+
FF,FFFF:FFFF,,FFFFFF,:FFF:FFF,FF,F:,FFFF,,FFF:FFF:FF,FF,FFFF,,FFF
FFFF:,,:F:,FFFFFF:FF:,FFFFFFFFFF,FF:FFFFFFFFF:F,FF:FFFF,,::,F,FF,F
FFF

@A00721:190:HGJW7DSXY:4:1417:21884:7795_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTAATGTGGCCTGAACTACGTTTCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTTGTCTT
CCTTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAA

+

FF
FF
@A00721:190:HGJW7DSXY:4:1607:5511:26287_1:N:0:TCTGCAAG+GCTGCACT

GTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGA
CCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCAATGAAGTTTTTA
ATG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1412:9697:24674_2:N:0:TCTGCAAG+GCTGCACT
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATG
ATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACA

+

FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2323:19488:25034_2:N:0:TCTGCAAG+GCTGCACT
ACATTACCCGAAAGACGTGCTAAATTAAAACCATTTGACGATGTCGTCTGTCTCGGCGATCACTTTTC
ACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2325:7500:21496_2:N:0:TCTGCAAG+GCTGCACT
TTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTC
AGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAACTAC

+

FFFFFFF::FFFFF,F::FF
FF

@A00721:190:HGJW7DSXY:4:1637:15230:36417_2:N:0:TCTGCAAG+GCTGCACT
ATTACCTGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGA
AGGGTTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTA

+

FF
FFFFF:FF
@A00721:190:HGJW7DSXY:4:1250:24207:29136_1:N:0:TCTGCAAG+GCTGCACT

TCTTACGTTACGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGAC
GTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTAGT
TTC

+

F:FF:FFFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2325:17255:9549_2:N:0:TCTGCAAG+GCTGCACT
TGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAG
TGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTTACTATTATGAACA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1619:31882:33692_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTAACTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTAT

TACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCA
TCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1456:27254:16438_2:N:0:TCTGCAAG+GCTGCACT
CACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACT
TCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1629:20889:15843_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTATGAGGGTGT
TTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATC
GTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1447:11234:23015_2:N:0:TCTGCAAG+GCTGCACT
GATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTC

+

FFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2540:20193:4930_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATC
TCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAAT
CTT

+

FFFF: :FFFFF:FFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1624:24894:32612_1:N:0:TCTGCAAG+GCTGCACT
GATCTGTTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGAACGAAGGCG
ACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAATACGATTTC
GAA

+

FFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1403:14579:23923_1:N:0:TCTGCAAG+GCTGCACT
TCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTGAAAGTTTG
AGA

+

FFFFF:FFF
FFF,FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2401:26313:10802_2:N:0:TCTGCAAG+GCTGCACT
TACTAAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTT
TCTTCCTTGGATTTTAATATAAAGAATCTTACCAGGACTCCTACTAC

+

[illegible]

$+$

```

:FFFFFFFFFFFFFFFFFFFF:FFFFFF:F,FFFFFFFFFFFF::FFFFF

```

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

+

FFF

+

FFF

+

FFF

+

```
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFF:FF:FFFF
```

+

FFF

+

FFFFFFFFFFFFFFFF:FFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1355:2781:31829_1:N:0:TCTGCAAG+GCTGCACT
TAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTT
AGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACT
CAC

+

:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2348:28989:21104_2:N:0:TCTGCAAG+GCTGCACT
GCTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGAT
GGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1325:16459:4382_1:N:0:TCTGCAAG+GCTGCACT
TACACTAATATATCATCCGCAAACGACTCGAAACGAGACGCCGTAGATCAAAGTCCCTTCTAACTTT
AGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAAC
CTT

+

FF::F,F,,,F:FF,FF,FF,FF
FFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1674:27651:34945_1:N:0:TCTGCAAG+GCTGCACT
TATGTACTTATTGTAACGATCATTCTTTTCGAGTTTTGTCATTCTTATTCTTTTATTCTTTAACTGTG
TATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAAT
CAT

+

:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1409:3522:34115_2:N:0:TCTGCAAG+GCTGCACT
GACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACTATTATCCGATTCTTCG
AGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACTTCAAT

+

FFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFF:FFF:FFFF:FFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2564:12011:25175_2:N:0:TCTGCAAG+GCTGCACT
TATTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTAGAACTTTATTTCAGAACTC
TCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAATAAGAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1420:4562:6699_2:N:0:TCTGCAAG+GCTGCACT
ATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACC
GCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTATACTTTAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1425:27055:12743_1:N:0:TCTGCAAG+GCTGCACT
AACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGT
CGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTT
ACA

+

FF:FF:F:FFFF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1202:21269:34319_1:N:0:TCTGCAAG+GCTGCACT
TATATTAAAGAAATAAAAACTTCAAGTACCTGAACCTTTACATTTTTAATGGTATGGTATAATGTGT
CTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCCTTAATATTCTAGTAACCTCTATGTG
GGC

@A00721:190:HGJW7DSXY:4:1452:32913:11678_1:N:0:TCTGCAAG+GCTGCACT
GATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTAC
TTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTA
CAC

@A00721:190:HGJW7DSXY:4:2110:29170:9612_2:N:0:TCTGCAAG+GCTGCACT
TTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTCCCGAAGAAACGATCTATTTACA
GAGTATTTAGAGTAGTCCAAAGTTTGTATAAATTTATATGATTTTCTA

@A00721:190:HGJW7DSXY:4:2464:21007:9596_2:N:0:TCTGCAAG+GCTGCACT
TTCAATAACATAACATACCATCCTCCCAAACATAACATACCATAACCTACCATGACCAATCATCG
CTCCAACCTGGCAGCCAGACGTAGGGTCAAACCTACTACCGCCGGTGC

@A00721:190:HGJW7D\$XY:4:1515:12436:34366_1:N:0:TCTGCAAG+GCTGCACT
TACGTTTACGGACCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGG
TCGTTACCGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCG
CTC

@A00721:190:HGJW7DSXY:4:1311:30517:7373_2:N:0:TCTGCAAG+GCTGCACT
GCAGTCCCGTCATCTCTGTGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTACCACTCCCATG
CCAATCAATGATGTGACTATACAGTTTCGCCATTTCAAGAGTGGTCAA

@A00721:190:HGJW7DSXY:4:1551:6388:34851_1:N:0:TCTGCAAG+GCTGCACT
GAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGAC
CAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAC
TGA

@A00721:190:HGJW7DSXY:4:1459:18530:19836_2:N:0:TCTGCAAG+GCTGCACT
AGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGG

TTGGAATAAGAAATCTGCACGGGCCAAAGAGCCGCTGCTACGAAGT
+
FF:FFFF
FF
@A00721:190:HGJW7DSXY:4:1633:6668:21527_1:N:0:TCTGCAAG+GCTGCACT
GCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTA
CAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTT
TTG
+
FFFFFFFFF:FF:FFFFFFFFFFFFFFFFF:
FF
FFF
@A00721:190:HGJW7DSXY:4:2154:15808:26804_1:N:0:TCTGCAAG+GCTGCACT
CAAAGTGAAGCAGTCGCTGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTG
TGACGAGGCCGCTGACGTTTTTGTCAACGGCGTTTGAGGATTTTATCCGCGCTTAAGTATGGGGCGA
AGA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1470:5791:25113_1:N:0:TCTGCAAG+GCTGCACT
AGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCAGAATGCGGGC
TTT
+
FF:FFFF:FF,FFF,FFFFFFFFFFFF::FFF:F:F:FF,F,FFFF::F:FF:FFFFFFFFFF:FF
FFFF:FFF:FFFFFFFF:F:FF:FFFF:FFFF
FF:
@A00721:190:HGJW7DSXY:4:2303:12048:17190_2:N:0:TCTGCAAG+GCTGCACT
GCTCCTTCTGTGGGTGAGGGTTTTTGTATATTTCACTGGTCTGGGAGGCTGCTTCTCCTCCATAATTA
CAACCTCTCTTTAGAGAGCATTAGAAAGATCGGAAGAGCGTCGTGTAG
+
FF:FFFFF
FF:,
@A00721:190:HGJW7DSXY:4:1202:24605:4335_1:N:0:TCTGCAAG+GCTGCACT
CACACTTTTCTTGAATTTTTCTTTCTCCGTCATTGGGATTTGATGTGAGAAGGTGGAAGGTG
TCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCATCATGATTGATAGTTACGGCTCGTAT
CGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1207:32136:31375_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGC
TCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGAGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF:FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1166:31331:6402_1:N:0:TCTGCAAG+GCTGCACT
CTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTAT
TTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCT
TTT
+
FFFFFFFFFFFFFFFFFFFF,FF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1429:20826:11318_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCTTTTGGTATCGACAGATCTTTCGATCTT

@A00721:190:HGJW7DSXY:4:2601:31891:18897_2:N:0:TCTGCAAG+GCTGCACT
TTAACGTGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGAAGTTGTGGGATTAACTTTGAC
TCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTC

@A00721:190:HGJW7DSXY:4:2341:4146:16250_2:N:0:TCTGCAAG+GCTGCACT
GTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTTTGTAGCTC
TGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGA

@A00721:190:HGJW7DSXY:4:1115:1850:32534_2:N:0:TCTGCAAG+GCTGCACT
 CAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTT
 CCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC

@A00721:190:HGJW7DSXY:4:2342:30481:15076_2:N:0:TCTGCAAG+GCTGCACT
TTATAATCACTTGTTAAAGTACAGATTTAGTGATTAGATATTATTGATATTGGAGGCGATATTCGTT
TTCATATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTC

@A00721:190:HGJW7DSXY:4:2460:9697:36730_1:N:0:TCTGCAAG+GCTGCACT
GATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGC
TATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAG
TTG

@A00721:190:HGJW7DSXY:4:1459:6940:19617_1:N:0:TCTGCAAG+GCTGCACT
CTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTTCGTCTTAGTTT
GTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGT
CAT

@A00721:190:HGJW7DSXY:4:2211:3721:5368_2:N:0:TCTGCAAG+GCTGCACT
GGTTATTCTCACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACA
ATTGTTCCATTGTGAACCTCTGGGGACTAGATTGAGCATTAAATGAGTT

[illegible]

@A00721:190:HGJW7DSXY:4:1234:6777:22028_1:N:0:TCTGCAAG+GCTGCACT
TCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGC
ATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAAATTTTTCTCAAGAGATTATGGTTGATAA
AGT

+

FFFF:FFFFFFFFFFFFFFFF,FF:FFFFFFFFF
FF:F:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1115:11695:33927_1:N:0:TCTGCAAG+GCTGCACT
AGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGAC
ATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAG
AT

+

::FFFFFFFF:FF,FFFFFF,FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:F:F:FFFFFFF
FFF,FFF,FFFF,FFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1258:5773:21010_1:N:0:TCTGCAAG+GCTGCACT
GAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCA
AACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCC
TAC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF,FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1645:26892:25332_2:N:0:TCTGCAAG+GCTGCACT
TTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTG
AACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTT

+

FFFFFFFFFFFF:FF,FFFFFFFFFFFFF:
:FF

@A00721:190:HGJW7DSXY:4:2351:2953:26240_2:N:0:TCTGCAAG+GCTGCACT
GAAGATTGAAGAACACGTCAAGAAGTCGCTCGCGCTTGTCTTGAAAACCAAGTTAAGAAGGAGGCTG
ATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGA

+

FFFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1430:14507:27461_1:N:0:TCTGCAAG+GCTGCACT
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTT
TCG

+

FF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2537:28556:28087_1:N:0:TCTGCAAG+GCTGCACT
GTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTTGGTATTTCTGAAA
TAGTTTATCAGAGCGTCATTTTCCTTTGGGATCTTCTCTGTAAGGAATTATTAATCATTCTTC
TCA

+

:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1336:19316:5666_2:N:0:TCTGCAAG+GCTGCACT
TTTTCTCTACCCATAACTTCTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCA

+

@A00721:190:HGJW7DSXY:4:2242:25057:20995_1:N:0:TCTGCAAG+GCTGCACT
GTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGAC
ATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTCGAAA
ACT

+

@A00721:190:HGJW7DSXY:4:2620:21549:11162_2:N:0:TCTGCAAG+GCTGCACT
TGTCACGATTCTTAAAAGAAGTTTATTAAACTTCAGAGTCTCTTGGAGTCCAGGTAGCTAATGTTC
TTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAG

+

@A00721:190:HGJW7DSXY:4:1214:27651:17848_2:N:0:TCTGCAAG+GCTGCACT
ATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAG
ATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTT

+

@A00721:190:HGJW7DSXY:4:1508:9299:28995_2:N:0:TCTGCAAG+GCTGCACT
ACTGTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGA
TGGCTCAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCA

+

@A00721:190:HGJW7DSXY:4:1139:12726:20556_2:N:0:TCTGCAAG+GCTGCACT
GGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTAT
AGTTGGCGTCTTGTCGTTGACGTCATTACAGTCTGGAAGTTAGATCAT

 $+$

@A00721:190:HGJW7DSXY:4:1267:30852:4131_2:N:0:TCTGCAAG+GCTGCACT
CGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGGACTTTAGCAACTTTAGATAAATTCTTTCCGG
GCTCAATGACCTTTGCTATGTACGTGGATCTAATCCTTGGTGATCTGA

+

@A00721:190:HGJW7DSXY:4:1355:25418:19867_2:N:0:TCTGCAAG+GCTGCACT
TATTAGTTCACGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTACAAAGGCGTTACGTAAA
GTAGTTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCACTT

$$+$$

@A00721:190:HGJW7DSXY:4:2264:1524:30405_1:N:0:TCTGCAAG+GCTGCACT
GAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATT
CTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCG
TCG

+

[illegible]

@A00721:190:HGJW7DSXY:4:1621:22290:29543_1:N:0:TCTGCAAG+GCTGCACT
GTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTATGAGGTGCTC
CATGCAAATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCTTTAATCGTGAGGTTACG
AGA

@A00721:190:HGJW7DSXY:4:1471:2736:28307_2:N:0:TCTGCAAG+GCTGCACT
GGTTTATCGGTTGTATTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGTTCTATTACCA
CCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTC

@A00721:190:HGJW7DSXY:4:2130:15356:8954_2:N:0:TCTGCAAG+GCTGCACT
TATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGG
TGGTAGTCAGTTTACTACGTTTCTTTCCCTCCCCCTTTTTCGATTGGAT

@A00721:190:HGJW7DSXY:4:1617:27444:31579_2:N:0:TCTGCAAG+GCTGCACT
CGTCTCACGACTAATTTGATAAGGTTTTCTTTATGGGACTCTTGTTTGTACTTATGAAGGAGGTAT
TACTTCGGAAGTTCCTAATGTAGGTCTCCTAGTACTTAAGGGTTTATG

@A00721:190:HGJW7DSXY:4:1558:11577:16658_2:N:0:TCTGCAAG+GCTGCACT
TTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAAGAGATTAAACATAAAATC
CAGCGCTTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTT

@A00721:190:HGJW7DSXY:4:1614:1307:10895_2:N:0:TCTGCAAG+GCTGCACT
AAACTTACGACGATGTTCTCGCTCGCATTTCAAGGATTACTAAGTCTGAGATCTGCCACTTCTAAT
TTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCTGAA

@A00721:190:HGJW7DSXY:4:1368:7916:12414_2:N:0:TCTGCAAG+GCTGCACT
GAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGATACCGATCTCAGTTCTACCACAGAAAC
CGTCTCAGGAACTGTCTCCACTGATTCGGAATTAGAGAAAAGACGACCT

@A00721:190:HGJW7DSXY:4:2211:15040:35274_1:N:0:TCTGCAAG+GCTGCACT
GAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTC
TAAGAGTGTTTCAAAGAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACA
AGC

```
F:FFF,F:F,F:FFFFFF,F:FFFF:FFF:FFFF:F::FFF:F:FF:FFFFFFFFFFFF,FFFFFFFF,FFF
FF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

@A00721:190:HGJW7DSXY:4:2260:8196:30937_2:N:0:TCTGCAAG+GCTGCACT
ACTGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACCACTGA
TCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGTGATTATCAAAGA

@A00721:190:HGJW7DSXY:4:2353:13476:28463_1:N:0:TCTGCAAG+GCTGCACT
AATTTCTCCTGCTTGTAAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACT
TCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCAAGGTGAAAAGTTTGAAATTAACAAAGTC
CTT

+

FFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1220:18511:19648_1:N:0:TCTGCAAG+GCTGCACT
GTTCAAGGTAATACTTACCAGCACGTTGCGCTGGTTAGAATTAAACCTCAAGATGACCCTGTTTTTGC
ATCACAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATG
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1252:21016:36730_2:N:0:TCTGCAAG+GCTGCACT
TGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATA
TCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGC

+

:FF
FF

@A00721:190:HGJW7DSXY:4:1210:6813:30420_1:N:0:TCTGCAAG+GCTGCACT
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCACCTTAACGTCACCTCGGTAATCTTTAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGAT
CGA

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1364:32371:28494_2:N:0:TCTGCAAG+GCTGCACT
GGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGT
CAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCT

+

FF
FF,
FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1132:25003:28166_1:N:0:TCTGCAAG+GCTGCACT
ACGTTTTACACGAAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTT
GAACGGTGTGTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCA
ATT

+

FFF:FF:FFFFFFFF:F:FF
FF:FFFF,:FFFF,F:FFFF:FF:FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2204:23773:12289_1:N:0:TCTGCAAG+GCTGCACT
CAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACT
ATATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCG
AAG

+

FFF:F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1316:6352:30624_1:N:0:TCTGCAAG+GCTGCACT
GCAATTTTCGACCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTT

TATGTATACAGAGATGACCAAGTGACGATTCTCCCGGAAGCTCTTCTCTCTCTTAGGAGGTCATGATG
ACT

+

FFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1263:16839:19194_2:N:0:TCTGCAAG+GCTGCACT
TTTCGAAGTTTGACAAATCTCAAGATTTCTTTGTAAAGCCTATGAGATAAAGATGTATTCTTATTTA
GGCTTCGATGCTGAATTTCTTGAACCTTGGAGTGCCAGTGAATATTTT

+

FF
FF:FFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1302:21658:20650_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCAATTTACCACCTTGTCTCAACGACGAAGTGGAAACGGCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTG
GTT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,FF::FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2461:4444:11287_1:N:0:TCTGCAAG+GCTGCACT
CCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTTCGAA
GCGAAATTTTTGAGGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACAT
CTA

+

F:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFF:FFFFFFFFFFFFFFFF,FFFF,FFFFFFFF
FFFFFFFFFFFFFFFF:FFF:F:F:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:1459:19849:10410_1:N:0:TCTGCAAG+GCTGCACT
CCTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAG
ATTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGTTGTTGTTTGGCGATTAGCTCTTG
CGA

+

FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1449:8974:11960_2:N:0:TCTGCAAG+GCTGCACT
ATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATT
CCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1624:19334:14403_1:N:0:TCTGCAAG+GCTGCACT
TGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTA
CCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACC
AAG

+

FF
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1534:7744:36104_1:N:0:TCTGCAAG+GCTGCACT
CGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACT
TGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTT
CTT

+
F:FFFFF:FFFFFFFFF:FF,FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1448:4345:31814_2:N:0:TCTGCAAG+GCTGCACT
CTTTGCACTGATTTTTCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTACGATAACAACATCA
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGAATTTGAAGCTCA
+
FFFFFFFFFFFFFFFFFFFFFFFFF:F::F:FFFFFFFFF:FFFFFFF:FFFFFFF,FFFFFFFFF:F
FFF:FFF,FFFFFF:FFFFFF:, :FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2531:5656:33896_1:N:0:TCTGCAAG+GCTGCACT
CGTTTGACCGTGACGAAGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACG
TAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACTCCTTTAAGCGTCTCT
GTT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1517:22996:15546_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTAATGTGGCCTGAAGTACGTTTCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTTGTCTT
CCTTGTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAA
+
FF
FFF:FFFF,FFFFFF:F:FFFFFFFFF:FF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1607:6045:30436_1:N:0:TCTGCAAG+GCTGCACT
GTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCGCCTTACAGAGGGGCAGCAGCATGA
CCATAATTGGTATTGACTTTGGTACCACCTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTTA
ATG
+
FFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1417:27742:4977_2:N:0:TCTGCAAG+GCTGCACT
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATG
ATGCTATTACTCATGATGGTAACGGTCAGGGAGGATTCTCAGTTTACA
+
F:F:FF,FFF::F:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF, ,FFFFFFFFFFFFF:
:FFFFF,FFFFFFFFFFFF,FFF,FFFFFFFFFFFFFFFFF::,FFFF
@A00721:190:HGJW7DSXY:4:1176:17137:6057_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTAACCATTTGTACGATGTCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATC
+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF,FFFFFFF:F:FFFFFFFFFFFFFFFFF:FFFFF,
FFFFFFFFF:FF:FFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1128:13593:26694_2:N:0:TCTGCAAG+GCTGCACT
TATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAG
TACCCAGTCAGTATACCTCTACGCAAAGATATTTATGAAAACACTACAG
+
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFF:F:FFF:FFFFF
FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2130:4698:17801_2:N:0:TCTGCAAG+GCTGCACT
ATTACCTGTCTTTATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGA
AGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGTA
+

FFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF,FF:FFFF:FFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFF,:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1519:14136:24972_1:N:0:TCTGCAAG+GCTGCACT
TCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGAC
GTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGT
TTC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2333:31548:15045_2:N:0:TCTGCAAG+GCTGCACT
TGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAG
TGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTTACTATTATGAACA

+

FFFFFFFFFFFFF:FFFF:FFFF:FF
F:FFFFFFFF:F:FFFF,F:FFF:FFFF:FFFF:FFF,FFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1620:32099:9737_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTAATTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTAT
TACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCA
TCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1477:26458:18223_2:N:0:TCTGCAAG+GCTGCACT
CACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACT
TCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1638:7410:31923_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTATGAGGGTGT
TTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATC
GTT

+

FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1578:17815:3192_2:N:0:TCTGCAAG+GCTGCACT
GATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTC

+

FF
FFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2638:21730:14356_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATC
TCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAAT
CTT

+

FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1160:22797:12759_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCCTCTTAAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGA

CCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF,FFFF,FFFFFFFFFFFFFF

```

+

[illegible]

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF;FFFFFFFFFF;FFFFFFFFFFF
```

+

```
FF:FFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF::FFF:FF,FFF:FF,FFF:FF:F,,FFFFFFFFFFFFFFFFFFF,
```

 $+$ [illegible]

+

```
F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

[illegible]

+

```

FFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFF,FFFFFF:, :FF: :FFFF,FFF:FFFFFFFF
F:FFFF: :FFFF.FFFFFFFFFF:FFFF.FFFF:FF.FFFFFFFFFFFFFFFF

```

+

FF
FF
@A00721:190:HGJW7DSXY:4:1532:9118:22451_1:N:0:TCTGCAAG+GCTGCACT
GTATTAACCTTATAAAGGTGAGGAGACCATTTCCTTGCTGAAATTTATAGAAGATTATTTTGACAGAAT
CAATAAGAATCATCGATTCTCGATTCTGATAGCCTTATCTAGGTACTCTCATTTACTATGTTGATTTAG
TCT
+
FF:
FF
FFF
@A00721:190:HGJW7DSXY:4:1404:26332:27962_2:N:0:TCTGCAAG+GCTGCACT
GGATCCACTCCTCGAGTTATCATGATGTTAGTATGTTATATACTGATTTACAACGATATAGGAGTAAT
CTACGAGAAGATTCTAGAATTCTTAATTATAATTATTCAACCTCAAAG
+
F:FF,FFFFFF:FFFF,FFFF:FFF:F,FFFFFFFF:FFF:FFFFFFFF::FFFFFFFFFFFFFFFF
FFFFFF:FFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFF
@A00721:190:HGJW7DSXY:4:1643:13060:21856_2:N:0:TCTGCAAG+GCTGCACT
GAGATCACACATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAAT
AAATAAATAAATAATTACTAATGGCAAATAGTGGAAAGGCTCCAGT
+
FFFFFFFFFFFFFFFF,FF:
FF
FF,
FFFF:FF
@A00721:190:HGJW7DSXY:4:1652:13015:27414_2:N:0:TCTGCAAG+GCTGCACT
TACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAA
TCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2208:23122:26819_1:N:0:TCTGCAAG+GCTGCACT
GGCTCTAAAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTA
TGTGGAGATATCGTGATATCAGTACGTCCAGATCCTCTGCTTTTACCGATAACGATAAATTCGTCATC
AAA
+
:FFFFFFFFFFFF:FF:
FF
FFF
@A00721:190:HGJW7DSXY:4:2430:2139:10833_1:N:0:TCTGCAAG+GCTGCACT
TTGGTGCTTAGGGATATAATGAATTCAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCT
TAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACTC
TAG
+
FF:
FF
FFF
@A00721:190:HGJW7DSXY:4:1155:30454:32127_2:N:0:TCTGCAAG+GCTGCACT
CGGAATACGCTTGCTATTACACGATTGGTTCAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAA
GCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAA
+
FF:
FF
@A00721:190:HGJW7DSXY:4:1316:24795:10770_1:N:0:TCTGCAAG+GCTGCACT
CAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATC
TTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATGTT
AAT

+
FF
FF:FFFFFFFF, :FFFFF:FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1239:4381:14121_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAG
CTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTA
AGG
+
FF:
FF:
FFF
@A00721:190:HGJW7DSXY:4:1125:15049:22200_1:N:0:TCTGCAAG+GCTGCACT
GAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATA
TAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTA
ATC
+
FF
FF:
FFF
@A00721:190:HGJW7DSXY:4:1566:12301:1564_1:N:0:TCTGCAAG+GCTGCACT
CGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGA
ATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCAC
TAT
+
FF:
FF:
FF:
@A00721:190:HGJW7DSXY:4:1457:32027:3286_2:N:0:TCTGCAAG+GCTGCACT
TTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGG
TAGAATAGATTTAGTCTCTACCCATCTCAACGAGGATAAAGCGAGT
+
FFFFF:FF:FF
FF: :FFFFF:FF, FFF
@A00721:190:HGJW7DSXY:4:1369:2835:3176_1:N:0:TCTGCAAG+GCTGCACT
TACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTT
AGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAAC
CTT
+
:F:, ,F,F,:F,,,FF,,,:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2534:3115:25488_1:N:0:TCTGCAAG+GCTGCACT
TATGTACTTATTGTAACGATCATTCTTTCGAGTTTGTCAATTCTTATTCTTTTATTCTTTAACTGTG
TATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAT
CAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2246:1904:1470_2:N:0:TCTGCAAG+GCTGCACT
GACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACATTATCCGATTCTTCG
AGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAAT
+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2564:12943:26443_2:N:0:TCTGCAAG+GCTGCACT
TATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAAATTTTAGAACTTTATTTCAGAACTC
TCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFF,FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1610:2266:14810_2:N:0:TCTGCAAG+GCTGCACT
ATTTTTAAATAGTGATATTACGCGTATACTTGAATACTTTATCAAAGATTGGCTTGCTATTAC
GCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTATACTTTAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1501:22327:28667_1:N:0:TCTGCAAG+GCTGCACT
AACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGT
CGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAACCTATAAGTT
ACA
+
FF,FFF::F,FF,FFFFFFFFF::FFFF:F:FFFF:FFFF:FFFFF:F::FFFFF:FF:F:F:FF
FF:F:F,:FF,:FFFF:FFFFF:,FF::FF,F:FFFF,F,FF:FFFFFFFFF:,FFFF:FFF::F:
FFF
@A00721:190:HGJW7DSXY:4:1424:6840:34194_1:N:0:TCTGCAAG+GCTGCACT
TATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTTAATGGTATGGTATAATGTGT
CTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTG
GGC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1460:7374:6464_1:N:0:TCTGCAAG+GCTGCACT
GATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTAC
TTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTA
CAC
+
FFFFFFFFF:FFFFFFFFFFFFFFFFF::F,FFFFFFFFFFFFFFFFFFFFF,F:F:FFFFF:FFFFF
FFF:FFFF:F,FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2570:29333:28025_2:N:0:TCTGCAAG+GCTGCACT
TTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTCCCGGAAGAAACGATCTATTTACA
GAGTATTTAGAGTAGTCCAAAGTTTGTATAAATTTATATGATTTTCTA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1255:1298:25379_2:N:0:TCTGCAAG+GCTGCACT
AACATACCATACTCCCCAACATAACATACCATAACCTACCATGACCAATCATCGCTCCAACCTGGC
ACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2370:25861:35759_1:N:0:TCTGCAAG+GCTGCACT
TACGTTACGGACCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGG
TCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCG
CTC

```

+
FFFFFFFF:,FFF:, ,FFFFFFFFFFFFFFFF,F,FF,FFFF,FF:,FFF::F:FFFFFF:FFFFFFFF,,
F:FFF:FFFFFFFFFFFFFFFF,::F:FFFFFF,FFFFFF,FFFFFFFFFFFFFFFF::FFFFFFFFFFFF
:FF
@A00721:190:HGJW7DSXY:4:1526:7048:1548_2:N:0:TCTGCAAG+GCTGCACT
GCAGTCCCGTCATCTCTGTGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATG
CCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAA
+
FFFFFFFFFFFFFFFF:FFF
FFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1629:8241:19335_1:N:0:TCTGCAAG+GCTGCACT
GAGGTACTGAAGCCTTCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGAC
CAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAC
TGA
+
FFFFFFFFFFFFFFFF:FFF
FFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1503:10212:16924_2:N:0:TCTGCAAG+GCTGCACT
AGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACTCTGGGG
TTGGAATAAGAAATCTGCACGGGCCAAAGAGCGCTGCTACGAAGT
+
FFF
FFFFFF:FF:FF
@A00721:190:HGJW7DSXY:4:2113:18900:9674_1:N:0:TCTGCAAG+GCTGCACT
GCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTA
CAGTAGGTTCTGCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTT
TTG
+
FFFFFF:FFFFFFFF:FFFFFF,FF,F
FFF
FFF
@A00721:190:HGJW7DSXY:4:2278:9860:8923_1:N:0:TCTGCAAG+GCTGCACT
CAAAGTGAAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTG
TGACGAGGCCGGTGACGTTTTGTCAACGGCGTTTGAGAGATTTTATCCGCGCTTAAGTATGGGGCGA
AGA
+
FFF:FFF
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1503:23402:16157_1:N:0:TCTGCAAG+GCTGCACT
AGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTGCCTCTCACTATTTTGGCCAGAATGCGGGC
TTT
+
FFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFF,FFFFFFFFFFFF::FF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2369:3351:35884_2:N:0:TCTGCAAG+GCTGCACT
GCTCCTTCTGTGGGTGAGGGTTTTGTTATATTCAGTGGTCTGGGAGGCTGCTTCTCCATAATTA
CAACCTCTCTTTAGAGAGCATTAGAAAGATCGGAAGAGCGTCGTGTAG
+
FFF
FF:FF

@A00721:190:HGJW7DSXY:4:1229:10212:11287_1:N:0:TCTGCAAG+GCTGCACT
CACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTG
TCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCATCATGATTGATAGTTACGGCTCGTAT
CGA

+

FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFF::FFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1351:24117:12258_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGC
TCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGAGA

+

FF:FFFFFFFFFFFF:FFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1169:24831:17628_1:N:0:TCTGCAAG+GCTGCACT
CTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTAT
TTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCT
TTT

+

FFFFFFFFFFFFFFFFFFFF,FF:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1429:21097:11569_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTTGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+

FF
FF:FFFF
FF

@A00721:190:HGJW7DSXY:4:2667:5339:13870_2:N:0:TCTGCAAG+GCTGCACT
TTAACGTGGCAGAATTCGGTAACCTTACCATATTGTTCTTCCGGAAGTTGTGGGATTTAACTTTGAC
TCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTC

+

FF:FFFFFFFFFFFF
FF:FFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1134:7591:8656_1:N:0:TCTGCAAG+GCTGCACT
TAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGG
CGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTT
GTC

+

FFFFFFFFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1140:2049:9580_1:N:0:TCTGCAAG+GCTGCACT
TACAGCGCTTATTGTGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCT
CACGCCGTGCGAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTAGG
TAT

+

:FFFFFFFF:FF:FFFFFFFF:FFFFFFFF
FF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1320:13829:24220_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGA
TGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCA
TGA

@A00721:190:HGJW7DSXY:4:2374:25229:16720_2:N:0:TCTGCAAG+GCTGCACT
GAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTG
ATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGA

+

FF:F
:FF

@A00721:190:HGJW7DSXY:4:1506:17689:2096_1:N:0:TCTGCAAG+GCTGCACT
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTT
TCG

+

FFF,FFFFFFFFFFFFFFFF,FF:FFF
FFFFFFFFF::FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1224:1949:24659_2:N:0:TCTGCAAG+GCTGCACT
CTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGGTATTTCTGAAATA
GTTTATCAGAGCGTCATTTTCCTTTGGGATCTTCTCTGGTAAGGGA

+

:FFFFFF:FFF
::FFFFFFFF:FF:FFF,FFF:F,:F:FFFFFFFF:FFFFFFFFF::

@A00721:190:HGJW7DSXY:4:1107:18900:5478_2:N:0:TCTGCAAG+GCTGCACT
ATTCTTCTCACTCTTGACGAGAATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGG
ATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTA

+

FFF
FFFFFFFFF,FF,FF:,F,FF

@A00721:190:HGJW7DSXY:4:1238:2311:31046_2:N:0:TCTGCAAG+GCTGCACT
GGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATT
CTAAGGGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAG

+

FFF
FF

@A00721:190:HGJW7DSXY:4:1303:27651:26396_2:N:0:TCTGCAAG+GCTGCACT
TGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGAAAACATCAGGTTCTTGTCACGATTCTTAAAA
GAAGTTTATTAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATG

+

FFF
FF

@A00721:190:HGJW7DSXY:4:1231:25382:33395_2:N:0:TCTGCAAG+GCTGCACT
GCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATC
TGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGAGATCGG

+

FFFFFFFFFFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1276:11098:18114_1:N:0:TCTGCAAG+GCTGCACT
AGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACA
CTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGAT
GGC

+

FFFFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFF:FFF:
FFFFF:FFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFF
FF:

@A00721:190:HGJW7DSXY:4:1150:2519:36198_1:N:0:TCTGCAAG+GCTGCACT
TAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCA

TAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTT
GAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1258:15239:27383_2:N:0:TCTGCAAG+GCTGCACT
AGTTAGATCATTTGTTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTA
GGTCGACGGACTTTAGCAACTTTAGATAAATTCTTTCCGGGCTCAATG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1273:11939:27524_1:N:0:TCTGCAAG+GCTGCACT
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA
CTT

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1138:10682:36652_1:N:0:TCTGCAAG+GCTGCACT
CTCGCCATATAAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGTCTGATGGTGAGATTCTTT
TTCCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCG

+

FF,F,,,F,F,FFF,F,FFFF,FFF:FFFFFF:F,FF,FF,F:F,,,,:,,,FFFFFF,:FFFF,F:F
F,:F,,FFFF:FFFFFF:FF,FFFF:F,:FF,FF,FFF:,:FF:FF:,FF,F,FFFFFF,FF:F

@A00721:190:HGJW7DSXY:4:1644:14461:27633_1:N:0:TCTGCAAG+GCTGCACT
GTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTATGAGGTGCTC
CATGCAAATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTAATCGTGAGGTTACG
AGA

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2257:11803:19304_2:N:0:TCTGCAAG+GCTGCACT
GGTTTATCGGTTGTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGTTCTATTACCA
CCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2451:32289:36495_2:N:0:TCTGCAAG+GCTGCACT
TATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGG
TGGTAGTCAGTTTACTACTTTTCTTTCCCTCCCCTTTTTCGATTGGAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2346:12943:2049_2:N:0:TCTGCAAG+GCTGCACT
CGTCTCACGACTAATTTGATAAGGTTTTCTTTTATGGGACTCTTGTTTGTACTTATGAAGGAGGTAT
TACTTCGGAAGTTCTTAATGTAGGTCTCCTAGTACTTAAGGTTTATG

+

FFFFFFF:FFFFFF:FF,F:FFFFFF:FFFFFF
FF:FFFF,FFFF

@A00721:190:HGJW7DSXY:4:2177:21974:31876_2:N:0:TCTGCAAG+GCTGCACT
TTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATC

CAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTT
+
FFFFFFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1641:14262:31422_2:N:0:TCTGCAAG+GCTGCACT
AAACTTACGACGATGTTCTCGCTCGCATTTTACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAAT
TTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1436:31096:10504_2:N:0:TCTGCAAG+GCTGCACT
GAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAAC
CGTCTCAGGAAGTGTCTCCACTGATTTCGGAATTAGAGAAAGACGACCT
+
FF,FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2371:19985:22545_1:N:0:TCTGCAAG+GCTGCACT
GAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTC
TAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAAC
AGC
+
FFFFF:F:F:FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1329:17291:23202_2:N:0:TCTGCAAG+GCTGCACT
ATGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCC
AGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGT
+
F:FFFFFF:FFF:FF:FFFFFFFFFFFFFFFF
FFFFFFF:FFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2549:23592:25254_2:N:0:TCTGCAAG+GCTGCACT
CAAGTTAACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCCAAA
AAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:F
FF
@A00721:190:HGJW7DSXY:4:2207:29306:29199_1:N:0:TCTGCAAG+GCTGCACT
AGAGTTTTGGAAGTGTGTAATGTCTACGTACTGTTCAAGGTGTTGGGCTTCTCTAAAGAACAGCAA
CTTTCAACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATCACCTTGGAGATGGTA
AAG
+
FFFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2209:4887:29653_2:N:0:TCTGCAAG+GCTGCACT
ATTCTGCTTCGACGGTAATTCATAAGACCTTTCTTGGGAGTAAAGAGGGTTTGAAAATTACGGAAC
CTTTCCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGATTTAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2150:29677:16000_1:N:0:TCTGCAAG+GCTGCACT
CAAGTCGATTGATTTTGTGACTACGATCTCTTGTGTAATAAGAAGTTCTTCGAGTTGAATCTCCAC
CAGGTGGAGGGAAGACCACTGAACCTTATAGCGACTTTTGTGCAATTTTTCGAAAAGGTCTTGAAGTA
CGT

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1567:29668:36464_2:N:0:TCTGCAAG+GCTGCACT
TCGTAATTCGCGAGAAGAGATAGTGAATAAGTTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAA
TTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1307:14181:12305_2:N:0:TCTGCAAG+GCTGCACT
CTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTT
TTTCTTACACATCTACTTAAGCGGCTTATACCATAGGTTACGGTGAT
+
FF
FFFFF:F:F,F:FFFFFFFF:FF:FFFFFFFF:,FFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1226:15121:14058_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTTCCGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCTTGATGAGTG
TCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGAACTCTCAGAGGTTTACG
GCA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1519:3513:32440_1:N:0:TCTGCAAG+GCTGCACT
AATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGG
AGTTAAATATATTACTTTCACTCAAGGTGAAAAGTTTGAATTAACAAAGTCCTTGGAAGAGTAAGG
TTA
+
:FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF:FFF,FFF:F:FFF:FF,FFFFFFFF:F:
FF, :FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1241:31620:15640_1:N:0:TCTGCAAG+GCTGCACT
GTTCAAGGTAATACTTACCAGCACGTTGCTGCTGTTAGAATTAAACCTCAAGATGACCCTGTTTTTGC
ATCACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATG
TAA
+
FFFFFFFFFFF,F:FFFFF:F:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F:
FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFF:FFFFFFFFFFFF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:1351:32036:20870_2:N:0:TCTGCAAG+GCTGCACT
TGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATA
TCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF
FF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1506:10917:10066_1:N:0:TCTGCAAG+GCTGCACT
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGAT
CGA
+
FFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFF
:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFF:FFF:FFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1527:23511:11647_2:N:0:TCTGCAAG+GCTGCACT
GGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGT
CAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1570:21251:27524_1:N:0:TCTGCAAG+GCTGCACT
ACGTTTTACAAACGGAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTT
GAACGGTGTGTTTATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCA
ATT

+

FF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2529:27968:20525_1:N:0:TCTGCAAG+GCTGCACT
CAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACT
ATATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCG
AAG

+

FFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1376:4481:5149_1:N:0:TCTGCAAG+GCTGCACT
GCAATTTTCGACCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTT
TATGTATACAGAGATGACCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATG
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1355:32859:4038_2:N:0:TCTGCAAG+GCTGCACT
TTTCGAAGTTTGACAAATCTCAAGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTA
GGCTTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATTTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1348:31675:6621_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTG
GTT

+

FFF:FF
:FF
FFF

@A00721:190:HGJW7DSXY:4:2517:32108:33176_1:N:0:TCTGCAAG+GCTGCACT
CCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAA
GCGAAATTTTGGAGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCTTTTGTCAATGATTACAT
CTA

+

FFF:FFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1509:27661:4429_1:N:0:TCTGCAAG+GCTGCACT
CCTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAG

@A00721:190:HGJW7DSXY:4:1417:28293:3208_2:N:0:TCTGCAAG+GCTGCACT
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATG
ATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACA

[illegible]

+

[illegible]

+

[illegible]

+

```

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,:FFFFFFFFFFFF:
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF,:FFFFFFFFFFFF

```

+

[illegible]

+

```
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFF
```

+

[illegible]

+

```

:FF:FFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFF
:,:FFFFFFFFFFFFFFFF:FF,FF,:F:FFFFFFFF,F:F:FF,FFFFF

```

TTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATC
GTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2104:5394:36385_2:N:0:TCTGCAAG+GCTGCACT
GATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTC

+

FF
FFFFFFFFF,FFFFFFFFFFFFFFFFF,FF,F,FFFFF,FFFFFFFFF:F:

@A00721:190:HGJW7DSXY:4:2611:8838:6308_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTGTAAATAGTCTATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGTTTGTATCT
CGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATC
TT

+

FF,,FFFFF,:FF:F,F,FF,FFFFFFFFF:FF,FF,FFFFF,FFF:FFFFFFFF,FFF,FFFFFFFF:F
FFFFFFFF,F,F,FFFFFFFF,FF,:F,FF,F,FFFFF::FFFFFFFFFFFFFFFF:FFFFFFFFFFF:F:FFF,
FF

@A00721:190:HGJW7DSXY:4:1160:23158:13135_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGA
CCTGTTCCGGAGTTTTTAAGGGATCCGGAATGTTCTGTCTATATTAGG

+

F,FF,:FF,FFFFF:FFFFFFFFF:,FFF,FFFFF,FFFFFFFFFFFF,FF:FFFFF:FFF:FFFF:FF:
:F::FFF::FF,:F,FFFF,,FF:,F,F:F,:F,FF:FF:FF:FF:FFF

@A00721:190:HGJW7DSXY:4:1255:18349:35399_2:N:0:TCTGCAAG+GCTGCACT
TCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATC
TGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGGCCTCTCTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1310:4137:16892_2:N:0:TCTGCAAG+GCTGCACT
AGTTTACGAACCTTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGATAAAG
AACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATTTTA

+

FFFFF:FF
FFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF,FFFF,FFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1565:11686:35196_1:N:0:TCTGCAAG+GCTGCACT
TACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCAT
CAACTTAGAACTCGAAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAAT
TGG

+

FF:F:FFF:FF:FFFFFF:FF,F:,FFFFFFFFF:F,FFFFFFFFF:,FFFFFFFFFFFFFF,,FFFF:
FF:FFF,FFFF,FFF:FFF:F:FFF:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2139:31168:10285_2:N:0:TCTGCAAG+GCTGCACT
GTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCACTCCACCGGTG
AATGGTTTAAAGAATACTATAAATAGAATAGCTATTACTACTAATGGCG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1369:24614:5916_1:N:0:TCTGCAAG+GCTGCACT
TAGTGACATCTGGTCAATTTCTGTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATA

@A00721:190:HGJW7DSXY:4:2449:14181:11146_1:N:0:TCTGCAAG+GCTGCACT
TTGGTGCTTAGGGATATAATGAATTCAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCT
TAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTTCTTTTGATACAACCTC
TAG

+

FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1169:12744:30671_2:N:0:TCTGCAAG+GCTGCACT
CGGAATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAA
GCTTGTGCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF:FFFF

@A00721:190:HGJW7DSXY:4:1370:20528:22044_1:N:0:TCTGCAAG+GCTGCACT
CAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATC
TTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGAGTATATTGTATGTT
AAT

+

FF:FFFFFFFF
FFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1308:13349:14841_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAG
CTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTA
AGG

+

FF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1213:18466:21198_1:N:0:TCTGCAAG+GCTGCACT
GAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATA
TAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTA
ATC

+

FF,FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2129:29423:2440_1:N:0:TCTGCAAG+GCTGCACT
CGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGA
ATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCAC
TAT

+

FF:FFFFFFFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2272:3043:14027_2:N:0:TCTGCAAG+GCTGCACT
TTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGG
TAGAATAGATTTAGTCTCTACCCATCTCAACGAGGATAAAGCGAGT

+

FFFFFFFFFFFFFFFFFFFF,FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:1659:8666:22639_1:N:0:TCTGCAAG+GCTGCACT
TACACGAAGAGATCATCCGCAAACGACTCGAAACGAGACGCCGTAGATCAAAGTCCCTTCTAACTTT

AGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAAC
CTT

+

:FFF:,FF::FFFF:FF:,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1135:11080:31203_1:N:0:TCTGCAAG+GCTGCACT
TACTTATTGTAACGATCATTTCTTCGAGTTTTGTCATTCTTATTCTTTTATTCCTTTAACTGTGTATG
AGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATC
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1470:21621:5400_1:N:0:TCTGCAAG+GCTGCACT
GAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTA
TCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATA
AGG

+

FFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFF:FFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:1105:1199:6511_2:N:0:TCTGCAAG+GCTGCACT
TAATCAAATTTGACAAATTTAGAACTTTATTTAGAAGCTCTCTCCGATCACCTTGGTGTGATCTCC
CGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAA

+

FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1227:25039:1955_1:N:0:TCTGCAAG+GCTGCACT
AGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTC
TATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT
AGC

+

FFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1147:14308:15687_2:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAACTCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAAGTAAAA
AGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACT

+

FFFFFFFFFFFFFFFFFFFFFF:FF
FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1144:27254:19257_1:N:0:TCTGCAAG+GCTGCACT
AATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAG
AACCTTCACTCTCGGTAATGAGAGTGATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAG
GAT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1532:28176:7889_1:N:0:TCTGCAAG+GCTGCACT
GATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTAC
TTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTA
CAC

TGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAACTATGGGGCGA
AGA

+

FFFFFFFFFFFFFF,FFFFFFFFFFFFFF:,F:F:FF,F,FFF::FFFFFF:FFF:F::F:FFFF,F:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFF,::FFF:FFFFFFFFFFFF,FF:FFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1516:27787:15295_1:N:0:TCTGCAAG+GCTGCACT
AGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCGAGAATGCGGGC
TTT

+

FFFFFFFFFFFFFF:FFF:FFFFFF,FF:F,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:F:FFFFFFFF:FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF:FFFFFF,FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2440:24279:20431_2:N:0:TCTGCAAG+GCTGCACT
GCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTTCTGGGAGGCTGCTTCTCCATAATTA
CAACCTCTCTTTAGAGAGCATTAGAAAGATCGGAAGAGCGTCGTGTAG

+

FF:F:FFFF
F:FF:F,:F

@A00721:190:HGJW7DSXY:4:1306:9634:29825_1:N:0:TCTGCAAG+GCTGCACT
CACACTTTTCTTGAATAATTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTG
TCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTAT
CGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1436:32551:3474_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGC
TCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTATGAGGAGAGA

+

FF
FFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:,F:FFFFFF

@A00721:190:HGJW7DSXY:4:1368:10131:22263_1:N:0:TCTGCAAG+GCTGCACT
CTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTAT
TTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAATCT
TTT

+

FFFFFFF:FFFFFF,FF
FF,FFF
FFF

@A00721:190:HGJW7DSXY:4:1441:12897:1470_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+

FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1340:16541:34679_2:N:0:TCTGCAAG+GCTGCACT
ACGTGGCAGAATTCCGTAACCTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCA
ACTACTCCGATCAGATCCGATGGTGTGATTGGTATGGACTACTCGAC

+

FFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1258:25274:31266_1:N:0:TCTGCAAG+GCTGCACT
AATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAA
GATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGAGCTAAGAA
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1468:17852:34663_2:N:0:TCTGCAAG+GCTGCACT
GTTATGCTCGCAAACCTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG
ATTCAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGAGATCGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2151:11189:20181_2:N:0:TCTGCAAG+GCTGCACT
TTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTG
AAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTT

+

FFFFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:1161:20781:25582_2:N:0:TCTGCAAG+GCTGCACT
AGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGAT
CATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCTGCTACGAGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1524:18313:22936_1:N:0:TCTGCAAG+GCTGCACT
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTT
TCG

+

:F:FFFF:FF:,FFFF,::,FF,FFFFFFFFFFFFFFFF
FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1260:3061:9204_2:N:0:TCTGCAAG+GCTGCACT
CTGTAATTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTTGGTATTTCTGAAATA
GTTTATCAGAGCGTCATTTTCCTTTGGGATCTTCTCTGGTAAGGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1273:26422:5259_2:N:0:TCTGCAAG+GCTGCACT
ATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGG
ATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1509:10285:8030_2:N:0:TCTGCAAG+GCTGCACT
GGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATT
CTAAGGGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAG

+

FF
FF:FF:FF

@A00721:190:HGJW7DSXY:4:1328:28429:21950_2:N:0:TCTGCAAG+GCTGCACT
TGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAACTATCAGGTTCTTGTCACGATTCTTAAAA

$+$

@A00721:190:HGJW7DSXY:4:1401:12192:32628_2:N:0:TCTGCAAG+GCTGCACT
GCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATC
TGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGAGATCGG

+

@A00721:190:HGJW7DSXY:4:2627:12147:31516_1:N:0:TCTGCAAG+GCTGCACT
AGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACA
CTGTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTATAAATCCTGAT
GGC

+

@A00721:190:HGJW7DSXY:4:1150:3549:36354_1:N:0:TCTGCAAG+GCTGCACT
TAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCA
TAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTT
GAC

+

@A00721:190:HGJW7DSXY:4:1317:11243:23782_2:N:0:TCTGCAAG+GCTGCACT
AGTTAGATCATTTGTT CAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTA
GGTCGACGGACTTTAGCAACTTTAGATAAATTCTTTCCGGGCTCAATG

+

@A00721:190:HGJW7DSXY:4:1273:12120:29590_1:N:0:TCTGCAAG+GCTGCACT
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA
CTT

+

@A00721:190:HGJW7DSXY:4:1220:25482:3630_1:N:0:TCTGCAAG+GCTGCACT
CTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGG

+

@A00721:190:HGJW7DSXY:4:1616:20745:30780_1:N:0:TCTGCAAG+GCTGCACT
GAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATG
CAAATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCTTTCTCCTTTAATCGTGAGGTTACGAGAG
TTT

+

```
FF:FFF:F::FF:FFFF:F::F:FFFFFF:FF:FFFFFFFF:F,FFFFFFFFF::F:::FFFFFFFFFFFFFFFF
```


+
FFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1117:16957:34992_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGTACCGCAACATGGATCAGTTTTCCAAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCG
CCTCCAGATTACTCTAAACTGAATCCACTCTCTTGGGATATAAATGAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2210:21748:28573_1:N:0:TCTGCAAG+GCTGCACT
AGAGTTTTGGAGCTGTGTAATGTCCTACGTACTGTTCAAGGTGTTGGGCTTCTCTAAAGAACAGCAA
CTTTCACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATCACCTTGGAGATGGTA
AAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2209:4960:28870_2:N:0:TCTGCAAG+GCTGCACT
ATTCTGCTTCGACGGTAATTCCATAAGACCTTTCTTGGGAGTAAAGAGGGTTTGAAAATTACGGAAC
CTTTCCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGATTTAT
+
FF:
FF:
@A00721:190:HGJW7DSXY:4:2447:20799:24017_1:N:0:TCTGCAAG+GCTGCACT
CAAGTCGATTGATTTTGTGACTACGATCTCTCTGTAATAAGAAGTTCTTCGCAGTTGAATCTCCAC
CAGGTGGAGGGAAGACCACTGAACCTATAGCGACTTTTGTGCAATTTTTCGAAAAGGTCTTGAAGTA
CGT
+
FF:
FF:
FFF
@A00721:190:HGJW7DSXY:4:2555:19226:30561_2:N:0:TCTGCAAG+GCTGCACT
TCGTAATTCGCGAGAAGAGATAGTGAATAAGTTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAA
TTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTG
+
FF:
FF:
@A00721:190:HGJW7DSXY:4:1361:4553:13761_2:N:0:TCTGCAAG+GCTGCACT
CTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTT
TTTCTTACACATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGAT
+
FF:
FF:
@A00721:190:HGJW7DSXY:4:1365:6451:23625_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTTCCGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCTTGATGAGTG
TCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGAACTCTCAGAGGTTTACG
GCA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FF:
FFF
@A00721:190:HGJW7DSXY:4:1601:6406:2221_1:N:0:TCTGCAAG+GCTGCACT
AATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGG

@A00721:190:HGJW7DSXY:4:1164:10728:5885_2:N:0:TCTGCAAG+GCTGCACT
CCAGTGACGATTTCTCCCGGAAGCTCTTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAA
ATCGATTTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTTGTAAGCC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1209:8332:15013_2:N:0:TCTGCAAG+GCTGCACT
TATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTGGAGTGCCAGTGAATATTTTTGTCACGC
CAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1122:10230:4178_1:N:0:TCTGCAAG+GCTGCACT
TAACACATTCTTTGGTAATTGTATGATCACTCTTATGATGCTCTCTTTATTACGACCTTCGGAAGT
TTAGAGCCGTCGCTGTCGCCGAGACGATTGATCCTCTTTTCGGACGTACCGGTCCAGGATTATTCA
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1630:8648:16438_2:N:0:TCTGCAAG+GCTGCACT
CAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTAC
AAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTA

+

FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
FF:FF

@A00721:190:HGJW7DSXY:4:1536:1380:26772_1:N:0:TCTGCAAG+GCTGCACT
TTTAAAGACTATAATAAATATCTCCACTACGAGGTTGTTGTTGGCGATTAGCTCTTGCGACTAATAT
TCGATATTCGATTGAGGGTCGTTATACCTATTCGCTATCTGTGCTTTGAATTGTATAAGATCAAATT
TTA

+

FFFFF,F,FFFF,FFFFFFF:FF:FFF:FF:FFFFFFFFFFFFFFF:,FF,F:F,FFFFFFFFFFFF,F
FFFFFFFFF:F,FFF,FF:FFFFF,FFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFF,FFF:,FFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2128:20175:7999_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTCTGTGAAAATTTTGATGCGGTTTCATAA
GATTATCAGTAATCCTGATTCTACTACGATTCATGGACCTTCCATCC

+

FFF
:FF

@A00721:190:HGJW7DSXY:4:1362:29731:1752_2:N:0:TCTGCAAG+GCTGCACT
GACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTC
GGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCCCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1214:28212:2221_2:N:0:TCTGCAAG+GCTGCACT
ACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTC
TTTCTTCTTTGTTTCTTCTTTGCACTGATTTTCTCATCAGCTTGT

+

FFFFFFFFF:FFFFFFFFFFFF,FF,FFFFFFF:FFFFF
F:,F:FF,,FF:FFFFFFFFFFFFFFFFFFFF,FF:F,FFFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:2143:18593:4507_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTACGATAACAACATATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCT

CAGGGTGAAGCACAAACGTTTGACCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCT
CCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1452:3378:11162_1:N:0:TCTGCAAG+GCTGCACT
ACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTCA
TCGCAACCAGATGATATCTTCTATTCTGAACCTTATGTTTCGATCAGTGTCTTCTATCAGGAGGAAAA
CAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2113:3893:7138_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTAATGTGGCCTGAACTACGTTTCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTTGTCTT
CCTTGTTTGTCTTATTCTATTAATCACTCATTTTGTAGTGAGATTATTAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2249:19678:8797_1:N:0:TCTGCAAG+GCTGCACT
GTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCGCCTTACAGAGGGGCAGCAGCATGA
CCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTTTTA
ATG

+

F:, , FFFFFFF:FFF:::, , FF:F:FF:, F, :FFFF, FFF, F:FFFFFFFF:F, :, :FFFF:F:
FF:FFFF:FFFFFFFFFFFFFFFF:FF, , FFFF:F, F, :FFFFFFFF:F, FFFF:FF:F, FFFF:
FFF

@A00721:190:HGJW7DSXY:4:2105:15763:35462_2:N:0:TCTGCAAG+GCTGCACT
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATG
ATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACA

+

FFF, FF, FF:F, FFF:FFFF
FF

@A00721:190:HGJW7DSXY:4:1260:1199:35978_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTAACCATTTGACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGGTCCTACTTTTGACAAGGCCAACTTCGTAATCTTCATGAGATC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1368:20003:31031_2:N:0:TCTGCAAG+GCTGCACT
TATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAG
TACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2314:19759:6997_2:N:0:TCTGCAAG+GCTGCACT
ATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGA
AGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2527:7636:12179_1:N:0:TCTGCAAG+GCTGCACT
TCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGAC

GTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGT
TTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2664:19497:34350_2:N:0:TCTGCAAG+GCTGCACT
TGTTACTGGAAAACCCTCGTCAATACTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAG
TGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTTACTATTATGAACA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1647:19859:4695_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTAATTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTAT
TACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCA
TCG

+

FF
FF
:FF

@A00721:190:HGJW7DSXY:4:1647:8296:27132_2:N:0:TCTGCAAG+GCTGCACT
CACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACT
TCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2303:6858:35102_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTAAACTCCATGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTATGCGGGTGT
TTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATC
GTT

+

FF,FFF,FFFFFFFF,,FFF,FFFFFF:F,FFFF,F:FFFF:FFFFFFFF,F,F:, ,FFFFFF,F,FFFF
FF:FF:F,FF,: ,:FF,FFF,:FFF,FFFF,FF,:F,: :F:::FFFF::FF::FF,FFFF,: :FFF:
FFF

@A00721:190:HGJW7DSXY:4:2133:14100:25097_2:N:0:TCTGCAAG+GCTGCACT
GATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1508:18548:1391_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCTGTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTC
GAAAAGTCTCTTCTAAAAGGAACGTCAAGTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCT
T

+

FFFFFFFF:FF
FFFFFFFF:FFF:FF
F

@A00721:190:HGJW7DSXY:4:1257:7220:35039_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCTCTTTAATGGCACTACCTCGGTACAATCTTACTTGAACGAAGGCGA
CCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG

+

FF
FF,FFFFFFFF:FFFFFFFF,FFFF,FF:,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1255:18629:35258_2:N:0:TCTGCAAG+GCTGCACT
TCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTTCGTCAATATGATTTGATC
TGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCCTCTCTTC

+

FFFFFFFFF,FF:F
FF

@A00721:190:HGJW7DSXY:4:1338:18367:6214_2:N:0:TCTGCAAG+GCTGCACT
AGTTTACGAACCTTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGATAAAG
AACTTCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGATTTTA

+

FF:F
FF

@A00721:190:HGJW7DSXY:4:1662:32208:24518_1:N:0:TCTGCAAG+GCTGCACT
TACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCAT
CAACTTAGAACTCGAAACTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAAT
TGG

+

:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2341:28980:10191_2:N:0:TCTGCAAG+GCTGCACT
GTGGGCTTTCGTAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCACTCCACCGGTG
AATGGTTTAAGAATACTATAAATAGAATAGCTATTACTACTAATGGCG

+

FFF
FF:F
F

@A00721:190:HGJW7DSXY:4:1447:15293:32393_1:N:0:TCTGCAAG+GCTGCACT
TAGTGACATCTGGTCAATTTCTGTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATA
CGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATT
TTC

+

FFFFFFFFFFF:FF:F
FFF
F:F

@A00721:190:HGJW7DSXY:4:2674:3125:23594_2:N:0:TCTGCAAG+GCTGCACT
CTAGGATTATGTCTGTGTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAAT
AATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCT

+

FFF
FF

@A00721:190:HGJW7DSXY:4:2546:14931:20932_1:N:0:TCTGCAAG+GCTGCACT
GACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAA
AGGGATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAA
TCG

+

FFF
FFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:1651:19072:23375_1:N:0:TCTGCAAG+GCTGCACT
GATTACACGGAACCAGCGCATCTCGTGTGAGACTCGACCCGATTATATTGTATTAATTATAAAAGT
GAGGAGACCATTATCTTGCTGAAATATATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATT
CTC

+

,:FF:FF,,,,F:FF,F,:F:FF,F,:F,:FF,FF:,F,F::FFF,,F,,FF,F,FF,,,FFF:F,,F

:FF,::F:FFFF,:FFFF,,,FFFF,FFFF,FFFFFFFF,FFFF:,F,FF,:FF:FF,F:FFFF,:F:
:,::

@A00721:190:HGJW7DSXY:4:2473:15167:24533_2:N:0:TCTGCAAG+GCTGCACT
GGATCCACTCCTCGAGTTATCATGATGTTAGTATGTTATATACTGATTTACAACGATATAGGAGTAAT
CTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAACCTCAAAG

+

FFFFFFFFFFFFFFFF:FFF:FF
FFFFFFFFFFFF:FF,FF

@A00721:190:HGJW7DSXY:4:2165:17725:9173_2:N:0:TCTGCAAG+GCTGCACT
GAGATCACACATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAAT
AAATAAATAAATAATTACTAATGGCAAATAGTGGAAGGCTCCAGT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2654:18846:11240_2:N:0:TCTGCAAG+GCTGCACT
TACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAA
TCTTAAAGCTTACCCAAAATGAAGGACACTTCGAAACTGAATAATGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2244:30083:12258_1:N:0:TCTGCAAG+GCTGCACT
GGCTCTAAAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGCGTATTA
TGTGGAGATATCGTGATATCAGTACGTCCAGATCCTCTGCTTTTACCGATAACGATAAATTCGTCATC
AAA

+

FF:FFF:FFF:FFFFFFFFFFFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2475:11849:18599_1:N:0:TCTGCAAG+GCTGCACT
TTGGTGCTTAGGGATATAATGAATTCAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCT
TAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTTCTTTTGATACAATC
TAG

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF::FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF,FFFF
FFFFFFFFF:FFFFFFFFFFFF:FF:F:FFFFFFFFFFFF:F:FF:FFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1340:4779:16877_2:N:0:TCTGCAAG+GCTGCACT
CGGAATACGCTTGCTATTACCCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAA
GCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAA

+

FFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFF, :FFFFFFFFFFFF:FFFF
FF

@A00721:190:HGJW7DSXY:4:1544:7717:33677_1:N:0:TCTGCAAG+GCTGCACT
CAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATC
TTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGAGTATATTGTATGTT
AAT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1308:13693:14967_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAG
CTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTA
AGG

+
FF
FFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1242:22932:1720_1:N:0:TCTGCAAG+GCTGCACT
GAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATA
TAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTA
ATC
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2129:30047:2080_1:N:0:TCTGCAAG+GCTGCACT
CGATCTCTCGTTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGA
ATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCAC
TAT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2361:20030:10347_2:N:0:TCTGCAAG+GCTGCACT
TTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGG
TAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGT
+
FFFFFFFFFFFFFFF:FFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:1121:32732:11804_2:N:0:TCTGCAAG+GCTGCACT
ACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTA
GATTATGAATCCTGCCTTTACTCATGTTATAGCAGTTATTTCTGTTGT
+
FFFFFFFFFFFF:FF,F
FFFFFFFFFFFFFFFFFFFF:FF:FFFF,,FFFFFFFFF,FFF,F,FFFF:F
@A00721:190:HGJW7DSXY:4:1228:17400:25332_1:N:0:TCTGCAAG+GCTGCACT
TTTATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGAC
ATTATCTCTTATGTACTTATTGTAACGATCATTCTTTCGAGTTTGTCACTTATTCTTTTATTCTCT
TTA
+
FF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1161:14127:12461_2:N:0:TCTGCAAG+GCTGCACT
TTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTC
ACAGACTCCGAAAATGTTTCAAATGAGGTCAAAGCTCTATTTATTAA
+
FF:F:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1251:16450:7185_1:N:0:TCTGCAAG+GCTGCACT
ATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTTCAATTCCTTCG
ATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAAATTTAGAACCTTTATTTC
AGA
+
FFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFF
FFF:FFFFFFFFFFFF::FFF
FFF

$+$

@A00721:190:HGJW7DSXY:4:1147:14308:15687_1:N:0:TCTGCAAG+GCTGCACT
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAAATTGA
CTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACTCGGTGAACACGTCGGTAG
CAT

 $+$

@A00721:190:HGJW7DSXY:4:1170:9064:21418_1:N:0:TCTGCAAG+GCTGCACT
AGAAGTGAAGAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAG
AAATAAAAAATACTTCAAGTACCTGAAGTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATA
GAA

 $+$

@A00721:190:HGJW7DSXY:4:1470:31123:7952_2:N:0:TCTGCAAG+GCTGCACT
TAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCC
TAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAA

+

@A00721:190:HGJW7DSXY:4:1670:18511:12477_1:N:0:TCTGCAAG+GCTGCACT
TATAGTTCAAGGAGTACTTAATTTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTA
TAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGG
GA

+

@A00721:190:HGJW7DSXY:4:2110:29170:9612_1:N:0:TCTGCAAG+GCTGCACT
ATACAAGATATATTTACAGATTATTTAGTGTAGTCCAAAGTTTGTATAAATTTATTTGATTTTATATA
TATATCCACATATATATATATATAAAATCCTATAAATTTGTAC

 $+$

@A00721:190:HGJW7DSXY:4:2448:20302:13886_2:N:0:TCTGCAAG+GCTGCACT
AACATACCATACTCCCCAACATAACATACCATAACCTACCATGACCAATCATCGCTCCAACTGGC
ACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCTGGCAGATCGGCA

 $+$

@A00721:190:HGJW7DSXY:4:1578:31015:27899_2:N:0:TCTGCAAG+GCTGCACT
ACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGA
CGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCA

+

```

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF::FFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF

```

@A00721:190:HGJW7DSXY:4:1403:11433:12399_2:N:0:TCTGCAAG+GCTGCACT
GTAACATTGACGGCAGTCCCGTCATCTCTGTGGGAACTGAGGCAGTACCTCAGTCAAAGTCACATTC
ACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1152:32570:29841_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

FFFFFFFFFFFFFFFF:FFF:FF:FFFFFF,FFF:
FFF,FF:FFFFFFFF:FFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1245:24162:7513_1:N:0:TCTGCAAG+GCTGCACT
AAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACC
ATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGG
CTT

+

F:FF,FFFF:,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1346:17128:28557_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCCTACTAT
GAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT

+

FFFFFFFFF:FF:FF
FF

@A00721:190:HGJW7DSXY:4:2312:18367:7153_1:N:0:TCTGCAAG+GCTGCACT
CAAAGTGAAGGAGTGCCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTG
TGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGAGGATTTTATCCGCGCTTAAGTATGGGGCGA
AGA

+

FF
FFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1550:22525:14951_1:N:0:TCTGCAAG+GCTGCACT
AGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTGGCCAGAATGCGGGC
TTT

+

FF
FF
:FF

@A00721:190:HGJW7DSXY:4:2440:25355:21355_2:N:0:TCTGCAAG+GCTGCACT
GCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTTCTGGGAGGCTGCTTTCCTCCATAATTA
CAACCTCTCTTAGAGAGCATTAGAAAGATCGGAAGAGCGTCGTGTAG

+

FF
FFFFFFFFFFF:FF:FFFF

@A00721:190:HGJW7DSXY:4:2167:17418:34663_1:N:0:TCTGCAAG+GCTGCACT
CACACTTTTCTTGAATAATTTTCTTTCTCCGTCAATTGGGATTTTCGATGTGAGAAGGTGGAAGGTG
TCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATGATTACGGCTCGTAT
CGA

+
FFFFFFFFFFFFFFFFFFFF:FFFF,FF
FF:FFFF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1642:30373:31485_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGC
TCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGAGA
+
FFFFFFFFFFFFFFFFFFFF:FF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFF::FFFFFFFF
@A00721:190:HGJW7DSXY:4:1368:11849:23046_1:N:0:TCTGCAAG+GCTGCACT
CTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTAT
TTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAATCT
TTT
+
FFFFFFFFFFFFFFFFFFFF,FF
:FF,FF
FFF
@A00721:190:HGJW7DSXY:4:1519:10484:12665_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT
+
FF
FF:FFFF
@A00721:190:HGJW7DSXY:4:2511:6045:1438_2:N:0:TCTGCAAG+GCTGCACT
ACGTGGCAGAATTCGGTAACCTACCATATTGTTCTTCCGGGAAGTTGTGGGATTAACTTTGACTCA
ACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF::FFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FF,,FFFFFFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1325:18032:34569_1:N:0:TCTGCAAG+GCTGCACT
TAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGG
CGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTT
GTC
+
FF
FF
:FF
@A00721:190:HGJW7DSXY:4:1512:3441:4413_1:N:0:TCTGCAAG+GCTGCACT
TACAGCGGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCT
CACGCCGTGCGAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTAGAT
TAT
+
FF
FF
:FF
@A00721:190:HGJW7DSXY:4:1368:10402:27806_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCGATATTCGTTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGA
TGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCA
TGA
+
FFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:,FF
FFF

@A00721:190:HGJW7DSXY:4:1437:32642:22294_1:N:0:TCTGCAAG+GCTGCACT
ATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAG
GTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTT
CGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1522:7401:4100_1:N:0:TCTGCAAG+GCTGCACT
GAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA
TGATGCCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAAGATTT
TAT

+

:FF
FF
FF:

@A00721:190:HGJW7DSXY:4:1659:12029:9862_1:N:0:TCTGCAAG+GCTGCACT
GTTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTCTGGGGACTAGATTGAGCATTAAATGAGTT
CCGAATAACTCGTAATAAATCTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCA
CTG

+

FFF:FFFFFFFFFFFFFF:FF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1548:10890:8359_2:N:0:TCTGCAAG+GCTGCACT
TGGAAGAAGCGAGGTTTCCTCAATAAAAAATTTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTT
CATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGA

+

FF
FF:FF

@A00721:190:HGJW7DSXY:4:1262:17372:26256_1:N:0:TCTGCAAG+GCTGCACT
AATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAA
GATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAA
GAA

+

FFFFFF,FF
FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1668:24795:15969_2:N:0:TCTGCAAG+GCTGCACT
GTTATGCTCGAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG
ATTCAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGAGATCGGA

+

FF
,FF

@A00721:190:HGJW7DSXY:4:2234:8621:3959_2:N:0:TCTGCAAG+GCTGCACT
TTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGAGAAGACAACGAATCTTG
AACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTT

+

F:FF
FF:FF

@A00721:190:HGJW7DSXY:4:2446:26431:24158_2:N:0:TCTGCAAG+GCTGCACT
AGATTGAAGAACACGTCAAGAAGTCGCTCGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGAT
CATGGAGTCTTTGTACCTTCTGTCAAACCTCGAGGTTTCAGCTACGAGA

+

FFFFFFFF:FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1533:16369:32409_1:N:0:TCTGCAAG+GCTGCACT
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTT
TCG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1446:3640:32847_2:N:0:TCTGCAAG+GCTGCACT
CTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTTGGTATTTCTGAAATA
GTTTATCAGAGCGTCATTTTCCTTTGGGATCTTCTCTGGTAAGGGA
+
FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1520:8829:12712_2:N:0:TCTGCAAG+GCTGCACT
ATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTCAAAAATGCGG
ATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTA
+
FFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFF:F::F
@A00721:190:HGJW7DSXY:4:1624:5475:14043_2:N:0:TCTGCAAG+GCTGCACT
GGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATT
CTAAGGGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAG
+
FF:FFFF:FFFFFFFF
FF:FF
@A00721:190:HGJW7DSXY:4:1534:8567:16423_2:N:0:TCTGCAAG+GCTGCACT
TGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAACTATCAGGTTCTTGTCACGATTCTTAAAA
GAAGTTTATTAACACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATG
+
FF
FFFFF,:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1453:27444:27602_2:N:0:TCTGCAAG+GCTGCACT
GCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATC
TGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGAGATCGG
+
FFF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,F,FFFFFFFF:FFFFF:
FFFFFFFF:FFFFFFFF,FFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1119:30138:27164_1:N:0:TCTGCAAG+GCTGCACT
CAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACACT
GTTGAGAAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGATGG
CTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1276:5231:1658_1:N:0:TCTGCAAG+GCTGCACT
TAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCA
TAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTT
GAC
+
FF

@A00721:190:HGJW7DSXY:4:1356:20076:5228_2:N:0:TCTGCAAG+GCTGCACT
AGTTAGATCATTTGTT CAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTA
GGTCGACGGACTTTAGCAACTTTAGATAAATTCTTTCCGGGCTCAATG

@A00721:190:HGJW7DSXY:4:1308:29225:4977_1:N:0:TCTGCAAG+GCTGCACT
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA
CTT

@A00721:190:HGJW7DSXY:4:1250:22218:8093_1:N:0:TCTGCAAG+GCTGCACT
CTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGG

@A00721:190:HGJW7DSXY:4:2242:21368:9502_1:N:0:TCTGCAAG+GCTGCACT
GAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATG
CAAATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTAATCGTGAGGTTACGAGAG
TTT

@A00721:190:HGJW7DSXY:4:1408:26115:14653_1:N:0:TCTGCAAG+GCTGCACT
GTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTG
ATACAAACATTCTAGGTGATGCTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTA
CAA

@A00721:190:HGJW7DSXY:4:1408:29297:2691_2:N:0:TCTGCAAG+GCTGCACT
TTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTTCCCTCCCCT
TTTTCGATTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAA

@A00721:190:HGJW7DSXY:4:1339:28908:24752_2:N:0:TCTGCAAG+GCTGCACT
TACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTT
TCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCTTG

@A00721:190:HGJW7DSXY:4:1606:1118:4617_2:N:0:TCTGCAAG+GCTGCACT
TGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGT

$+$

@

+

@

+

@

+

@

+

©

+

@

+

©

+


```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2107:12147:31391_2:N:0:TCTGCAAG+GCTGCACT
GGCTAATACCTTTATAGGTAAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGT
CAGAGTATAACCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1674:31819:28416_1:N:0:TCTGCAAG+GCTGCACT
ACGTTTTACAACGGAAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTT
GAACGGTGTTTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCA
ATT
+
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1468:10456:15123_2:N:0:TCTGCAAG+GCTGCACT
AATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTA
TATGACCTATTTTAAGCTCATGGTGAAAAGGAAGCTAAGGTTAACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:2452:6985:35603_2:N:0:TCTGCAAG+GCTGCACT
CATAACCCCGCACAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGGACCTATCTTTAA
GTTCTTGAGGAGAGTCAAACAGTGTCTTTACCCAACATTTTAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF:F:FFF,
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2160:7039:30279_2:N:0:TCTGCAAG+GCTGCACT
CCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAA
ATCGATTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTTGTAAGCC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1177:16568:21010_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGCTTCGATGCTGAATTTCTTGAAGTTTGAGTGCCAGTGAATATTTTGTACGCCAGGAGT
ATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCTTTGG
TAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1655:10176:26005_1:N:0:TCTGCAAG+GCTGCACT
ACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTGCTGGGGACGA
TTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCG
AA
+
FFFFFFFFF,FFFFFF::F:FF,FF:FFF,:F,F,F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFF
FF:,FFFF::FFFFFFFF,F:FF,,FFF:FFFF,F:FFFFFFFFFFFF::FFFF,FFF,FFFFFFFF
F,
@A00721:190:HGJW7DSXY:4:1630:8666:16689_2:N:0:TCTGCAAG+GCTGCACT
CAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTAC

```

AAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTA
+
: FFFF, FFFF: , F, F: FFF, FFFF, F: , FFF, FFFF, FFF, F: FFF, FF: F, FFFFFFFFFF: , , FF
FF: FFFF, FFFFFFF: : : : FFFFF, FFFFFFFFFF, F, , FFFFF: FFF
@A00721:190:HGJW7DSXY:4:2133:20374:5494_1:N:0:TCTGCAAG+GCTGCACT
TTTAAAGACTATAATATATATGTCCACTACGAGGTTGTTGTTTGGGTATTAGCTCTTGCGACTAATAT
TCGTTATTCGATTGAGGGTCTTTATACCTATTCGGCTATCTGTGCTTTTAATTGTATAAGATCAAATT
TTA
+
F: FF: , , F, F, F, , FF, , FFF, FF, F, FFF, : : : FF: FF: FF, FF, , , FF: F, F: FFF, FF, F, , F, F
F, : , F, FF, , , FFF, FF: F, , FFFFF: , FF: FFF: , FFFFF: FF, FFF, : , F, : F: FFF: : F: FF, FF
FFF
@A00721:190:HGJW7DSXY:4:2454:22598:33364_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCTTGTGAAAATTTTGATGCGGTTTCATAA
GATTATCAGTAATCCTGATTCTACTACGATTTCATGGACCTTCCATCC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1655:7600:33974_2:N:0:TCTGCAAG+GCTGCACT
GACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTC
GGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCCCAA
+
FF
: FFF
@A00721:190:HGJW7DSXY:4:1257:3730:12555_2:N:0:TCTGCAAG+GCTGCACT
ACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTC
TTTCTTCTTTGTTTCTTCTTTGCACTGATTTTCTCATCAGCTTGT
+
FF
F: FFF
@A00721:190:HGJW7DSXY:4:2369:12246:3411_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTACGATCACAACCTATCAGTTGATTAAGACTCTTCCGAAAGCGAACTTTGGGAATTTGAAGCT
CAGGGTGAAGCACAACGTTTGACCGTGACGAAGTGTGGTGTTCTTGATCTACGTTACGGATATACTCT
CCT
+
FFFFF: FFFF: , , FFFFF: F: : FF: FFF: FFF, , , F: F, , FF, FF: , FFFFFFFFF, FFF, FFF, FFFF
F, FF, : , FFFFFFFFF, F: F, : , FF: F: : FFF: FFFFFFFFF: : FF: FF, F: FFFFFFFFF: FFFF, : FF:
 , FF
@A00721:190:HGJW7DSXY:4:2412:27597:3349_1:N:0:TCTGCAAG+GCTGCACT
ACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTCA
TCGCAACCAGATGATATCTTCTATTGAACTTATGTTTCGATCAGTGTTTCTTCTATCAGGAGGAAAA
CAC
+
FFFFF: FFFFF, : FFFFFFFFF: FFF: FFFFF, FFFFFFFFF: FFFFF: FFFFFFFFFFFFFFFFFFFFFF
FFFF: FFF: FF
FFF
@A00721:190:HGJW7DSXY:4:2174:2645:2315_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTAATGTGGCCTGAACTACGTTTCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTTGTCTT
CCTTGTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTA
+
FF
FFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2626:4246:5682_1:N:0:TCTGCAAG+GCTGCACT
GTCTTCGACAACAGCAGGGGTTTTGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGA

$+$

+

+

+

+

 $+$

+

+

• • •

@A00721:190:HGJW7DSXY:4:2545:7419:7513_2:N:0:TCTGCAAG+GCTGCACT
GTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCACTCCACCGGTG
AATGGTTTAAAGAATACTATAAATAGAATAGCTATTACTACTAATGGCG

+

FF
FF,FF

@A00721:190:HGJW7DSXY:4:1670:28140:35289_1:N:0:TCTGCAAG+GCTGCACT
TAGTGACATCTGGTCAATTTTCGTTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATA
CGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATT
TTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2674:3450:24251_2:N:0:TCTGCAAG+GCTGCACT
CTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAAT
AATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCT

+

FFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2674:27597:26271_1:N:0:TCTGCAAG+GCTGCACT
GACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAA
AGGGATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAA
TCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1660:26449:2080_1:N:0:TCTGCAAG+GCTGCACT
GATTACACGGTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTATTAATTATAAAGGT
GAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATT
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1337:5041:25567_2:N:0:TCTGCAAG+GCTGCACT
GATTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAACCTCA
AAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAACTAACT

+

FF
FF:F:FF
FFF

@A00721:190:HGJW7DSXY:4:2310:14290:20384_1:N:0:TCTGCAAG+GCTGCACT
CTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGA
AGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATA
GTT

+

FFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:F,FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1148:28384:32706_1:N:0:TCTGCAAG+GCTGCACT
GATCTATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGTACACTTCGAAACTGAAT
AATGATGCACTACAAACAAGTATCGCTAATCATCTTAAAAAGGCTCTAAAGGACACTATACAATATCC
AGA

+
F,F,FFFF::F,FFFF,FFF,FFFF::FF:FF:FFF:F,,F,:,,FF,,,:FFFF,FF,F:FFFF
FFFFF::,,,:FFF:F,F,F,FFFF,:FFFFFFFF,FFFFF:F,F:FFFFF::,,FFFF:FFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:1378:32967:35884_2:N:0:TCTGCAAG+GCTGCACT
TGCTTTTACCGATAACGATAAATTCGTCATCAAATATAAAGAAAAGGACTATGAAATAAAAGATTTGG
TGCTTAGGGATATAATGAATTCAGCACCACATTTTGGTCAAGTCAATC
+
FF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFF:F
@A00721:190:HGJW7DSXY:4:1120:25843:19100_2:N:0:TCTGCAAG+GCTGCACT
TCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCCTTTTGATACAA
CTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTAC
+
FF:FFFFFFFFFFFFFFFF
FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1106:26142:24721_2:N:0:TCTGCAAG+GCTGCACT
CGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCA
AACAAGCCCAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTC
+
FF:FF:FFFFFFFF
FF:FFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2161:18394:1063_2:N:0:TCTGCAAG+GCTGCACT
TGGGTGATAAAAATTATTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACG
GAAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTT
+
FF
FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2131:23321:11162_1:N:0:TCTGCAAG+GCTGCACT
GTAGTGAACGCGTTCGTAGAACCAAGTACTTCCGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTA
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGA
+
FF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1105:11849:30091_2:N:0:TCTGCAAG+GCTGCACT
GATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCA
AATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1218:31033:26584_2:N:0:TCTGCAAG+GCTGCACT
GGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTA
TCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTA
+
FF:FFFF:F:FFFFFFFF
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1139:3748:34068_2:N:0:TCTGCAAG+GCTGCACT
CTATCGTTTTCTGCTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTT
ACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1606:17011:3114_1:N:0:TCTGCAAG+GCTGCACT
GATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTAC
TTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTA
CAC

+

FF:FFFFFFFFFFFF
FFFFFFFFFFFF,FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2656:31150:6277_2:N:0:TCTGCAAG+GCTGCACT
TTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTCCCGGAAGAAACGATCTATTTACA
GAGTATTAGAGTAGTCCAAAGTTTGTATAAATTTATATGATTTTCTA

+

FFFFF:FFFF:FFFFF,FF:FFFFFFFFFFF:
FFFFFFFFFFFF:FF:FFFF

@A00721:190:HGJW7DSXY:4:2462:29423:2785_2:N:0:TCTGCAAG+GCTGCACT
AACATACCATACTCCCCAAACATAACATACCATAACCTACCATGACCAATCATCGCTCCAACCTGGC
ACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1619:7319:3145_2:N:0:TCTGCAAG+GCTGCACT
ACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGA
CGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCA

+

FFF:FF
FFFFFFFFFFFF:FF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1509:19470:10222_2:N:0:TCTGCAAG+GCTGCACT
GTAAACATTGACGGCAGTCCCGTCATCTCTGTGGGAAGTGAAGGACGTACCTCAGTCAAAAGTCACATTC
ACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1168:7880:16360_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

FF
FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1371:25183:29763_1:N:0:TCTGCAAG+GCTGCACT
AAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACC
ATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGG
CTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1403:2058:32925_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTAT
GAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT

+

FF:FFFFFFFFF
FFFFF:FFFFF:FFFFF,FF

@A00721:190:HGJW7DSXY:4:2354:26467:21934_1:N:0:TCTGCAAG+GCTGCACT
CAAAGTGAAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTG
TGACGAGGCCGGTGACGTTTTGTCAACGGCGTTTGAGGATTTTATCCGCGCTTAAGTATGGGGCGA
AGA

+

FFF,FF:FFFFFF
FF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1551:24117:36088_1:N:0:TCTGCAAG+GCTGCACT
AGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTGCCTCTCACTATTTTGGCCAGAATGCGGGC
TTT

+

FF:FFFFFF
FF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2408:13413:8030_2:N:0:TCTGCAAG+GCTGCACT
ATTCAGTGGTTCTGGGAGGCTGCTTCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAA
GTTGGCAAATCCACATATGGTAGACGTTGTCACACTTTTCTTGAA

+

:F,:F:,F::FF,FFF:F,FFFF::FFFF:FFFFFFFFFFFFFFFF,FF:FFFFFFFF,FFFF:
FFF::FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F:F:F:FFF

@A00721:190:HGJW7DSXY:4:2336:14479:14231_1:N:0:TCTGCAAG+GCTGCACT
TTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCT
TTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCG
AA

+

FFFF:,FFFFFFFFFFFFFFFF:FFFFFFFFFF,FF,F:FFFFFFFF::FFFFFFFF:FFFF:FF:F
FFFF,FF:FFF,FFFFFF:FFFFFFFFFF,FFF:FF:F,:FFFFFFFFFFFFFFFF,FFF:FFFF:F
FF

@A00721:190:HGJW7DSXY:4:1345:6126:18051_2:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACTGGAGTAGGCAAGTGGAGAGT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF:FF:FFFF,FFFF,F,FFFFFFFFFFFFFFFF
F,FFFFFF::F:F:, ,FFFFFFFF:F:FFFF,:FFF::FFFF,F:FF

@A00721:190:HGJW7DSXY:4:1327:26087:10254_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTAGATAATCTTTGAGAAGGGTCTAGAGCCAGCAAGAGAAGCTT

+

FFFFF:FF:FFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1522:26060:8390_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+

FF:FFFF
FF:FFFF

@A00721:190:HGJW7DSXY:4:1217:22327:30232_2:N:0:TCTGCAAG+GCTGCACT
GTGGCAGAATTCCGTAACCTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAAC
TACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTT

+

FF:FFFF
FF:FFFF

@A00721:190:HGJW7DSXY:4:1325:2230:22388_1:N:0:TCTGCAAG+GCTGCACT
TAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGG
CGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTT
GTC

+

FF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1577:20699:22467_1:N:0:TCTGCAAG+GCTGCACT
TACAGCGGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCT
CACGCCGTCGAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGA
TAT

+

FF:FFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1368:11731:30389_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCGATATTCGTTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGA
TGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCA
TAA

+

FFFFF:FFFFFFFFF:FF:FFFFFFF
FF
F,F

@A00721:190:HGJW7DSXY:4:1564:20808:3396_1:N:0:TCTGCAAG+GCTGCACT
ATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAG
GTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTT
CGT

+

FFFFFFFFF::FF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1544:20220:6981_1:N:0:TCTGCAAG+GCTGCACT
GAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA
TGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAAGATTT
TAT

+

FFFFFFF:FF
FF
FF:

@A00721:190:HGJW7DSXY:4:2620:31313:17801_1:N:0:TCTGCAAG+GCTGCACT
GTTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTCTGGGGACTAGATTGAGCATTAATGAGTT
CCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCA
CTG

+

FF:FFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1548:11008:8688_2:N:0:TCTGCAAG+GCTGCACT
TGGAAGAAGCGAGGTTCTGTTCTCAATAAAAATTTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTT
CATAAGGCTATTGAGTACGTCATGGGGATCACTTCTTCGGTCAATGA

+

FFF:FFF,FFFFFF:FFFFFF:FF:FF,FFFFFFFFFFFFFFFF
F,:::FFFFF:FF,FFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:1562:15411:35790_1:N:0:TCTGCAAG+GCTGCACT
AATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCACCAA
GATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAA
GAA

+

FFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2376:3495:15186_2:N:0:TCTGCAAG+GCTGCACT
GTTATGCTCGCAAACCTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG
ATTCAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGAGATCGGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2240:4182:34882_2:N:0:TCTGCAAG+GCTGCACT
TTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTG
AAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTT

+

F,FFFF:FFF:FFFFFF:FFFFFF:FFF:F:FF:FFFFFFFF:FFFF:FFF::F:F:FF:FFFF
F:F:FFF,FFFF:FFFF:FFFF:F:,F:FF,FFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2647:32027:5415_2:N:0:TCTGCAAG+GCTGCACT
AGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGAT
CATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGAGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2364:2844:19382_1:N:0:TCTGCAAG+GCTGCACT
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTT
TCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1543:29803:31501_2:N:0:TCTGCAAG+GCTGCACT
CTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGGTATTTCTGAAATA
GTTTATCAGAGCGTCATTTTCCTTTGGGATCTTCTCTGGTAAGGGA

+

FFFFFFFFFFFFFFF,FFFFFFF,FFFFFFFFF:FFFFFFFFF,FFFF:FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF,:FFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2107:16577:10786_2:N:0:TCTGCAAG+GCTGCACT
ATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGG
ATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTAAACACTTA

+

FFFFFFFFFFFFFFFFFFFFFFFFF::FFF,FF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:F,,FF,FF

@A00721:190:HGJW7DSXY:4:2438:7509:18443_2:N:0:TCTGCAAG+GCTGCACT
GGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATT
CTAAGGGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2168:27037:36292_2:N:0:TCTGCAAG+GCTGCACT
TGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAACTATCAGGTTCTTGTCACGATTCTTAAAA

FF
FFF

@A00721:190:HGJW7DSXY:4:1421:8811:24298_1:N:0:TCTGCAAG+GCTGCACT
GTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTG
ATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCGTCTTACCTATTTA
CAA

+
FFFFFFFFFFFFFFFF:FFFFFFFF:F:FFFFFFFFFFFFFFFF,FFFFFFFF,FFF::FFFFFFFFFFFFFFFF
FFFFFFFF:FF:FFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:1416:17101:33896_2:N:0:TCTGCAAG+GCTGCACT
TTTGAGTGATAACGATTTAGTACTGGGAAAGGGTGGTAGTCAGTTTACTACTTTTCTTCCCTCCCCT
TTTTCGATTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAA

+
FFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFF,F:FF:FFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1421:32054:2644_2:N:0:TCTGCAAG+GCTGCACT
TACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTT
TCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCTTG

+
FF::FF:FFF:FFF:FFFFFF,FFFF::F,FFFFFF,F::,FFF:, ,FFFF::,::FFFF,F:F
FF:F,FFF:F:F,:FFF:F:FFFFFFFF:,FF:,F:FFF::F,F,::

@A00721:190:HGJW7DSXY:4:2121:27362:14841_2:N:0:TCTGCAAG+GCTGCACT
TGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGGTGT
CGATGATGTTCGGGCTGTGGGGATTAACCTCCCTCGTGAACTTACGA

+
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFF,F:F
FFFFFF,FFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:1313:28149:1830_1:N:0:TCTGCAAG+GCTGCACT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTCAT
GAGGATGTCTTGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAAC
GGA

+
:FFFFFF,,F::FF,FFFFFFFFFFFF,F:FFFFFFFFFFFF:FFFFFF:F:FF,FFFFFFFF:FF
FFF:F,,F:FFFF:FFFFFFFF:FF:FF,FFFFFFFFFFFF,F::FFFFFF:FFFFFF,:FF
F:F

@A00721:190:HGJW7DSXY:4:1465:15429:27837_2:N:0:TCTGCAAG+GCTGCACT
AGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCT
TGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGT

+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:1355:27082:23782_1:N:0:TCTGCAAG+GCTGCACT
ACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGG
AGAAAACAGAACAAAGCGAGCGGTTGAAGAGAAAACCTGATATGGTTGCGGCTGATCGTACCCCAATTCC
TGC

+
FFF:FFFF:FF,FFFFFFFF:FF:FFFF:FFFFFFFF,F:FFFF,::FFF:FF,,,FFFF,FFF,:F
FFFF:FF:F:FF,FFF:FFF:FFFFFFFF:FFF,::FFF:FFF:F:FFFF:FF,FFFF,FFF:FF,
F:F

@A00721:190:HGJW7DSXY:4:2319:12897:11522_1:N:0:TCTGCAAG+GCTGCACT
TCTCGGCGATAACCACTGATCTTCAGAGTTACGTAGTGGTCTTCTTTTGGTGATTTTATCAAAGAGA
AAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACC
ACT

+
FFF:F,FFF:F,::::FFF:FF,F::FFFF:FF,:FF:F::FFF:FFFFFFFF:FFF,FFFF,F:
:FFFF:F:F,FFF:FFFFFF,,FFFFFFFFFFFFFFFF:FFFFFFFFF:,F,,:FFF::FFF:,F
FFF
@A00721:190:HGJW7DSXY:4:2108:32624:20635_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGTACCGCAACATGGATCAGTTTTCCAAAAAGCTATTAATAGCAGTTGCGGGCTATAATACCG
CCTCCAGATTACTCTAAACTGAATCCACTCTCTTGGGATATAAATGAG
+
,F::FFFFFF:FF:FFFFFFFFFFFF
FFFFFFFFF:,FFFFFFFFF,F:FFFFFFFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2256:32796:35399_1:N:0:TCTGCAAG+GCTGCACT
AGAGTTTTGGAAGTGTGTAATGTCCTACGTACTGTTCAAGGTGTTGGGCTTCTCTAAAGAACAGCAA
CTTTCAACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATCACCTTGGAGATGGTA
AAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2354:17897:36432_2:N:0:TCTGCAAG+GCTGCACT
AGACCTTCTTGGGGAGTAAAGAGGGTTTGA AAATTACGGAACCTTCTCGTTCTTCATGAAGATCT
TCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGA
+
FFFFFFFFF,FFFFFFFF::FF
FF:FFFFFFFFF,FFF
@A00721:190:HGJW7DSXY:4:2143:12689:5807_1:N:0:TCTGCAAG+GCTGCACT
CGAGATCTTGCAAGTGAAGTGGAGTTCAGACGTGTGCTCTCCGATCTGTGGAGGGAAGACCACTGAA
CTTATAGCGACTTTTGTGCAATTTTTCGAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAA
TT
+
FF,F:F,FF,FFFF:FF,FFFFFFFF:FFFFFFFF:F,FFFFFFFFFFFFFFFF,FFFFFFFFFFFF
FFFFFFFFF,:FFFFFFFFF:FFFFFFFFF:FFFF:F:FF:F,FFFFFFFFFFFFFFFFF,:
,F
@A00721:190:HGJW7DSXY:4:2527:29351:20760_1:N:0:TCTGCAAG+GCTGCACT
GTGACTAAAGTTTTGGCACTTCTAGTTCATCGCGTATTTGTGAAATTAAGACAGACGTGAAAGTTAT
GATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACG
TTC
+
FFFF,FF:FF
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2151:12933:28244_2:N:0:TCTGCAAG+GCTGCACT
CTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAAT
CAAATCGGATTCAATCGTATTGATCTCCAAGTCGAACTACTTC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:F::FF:,,:F,,F:F,:F,FF:,FFFF,FF,,FFF:F
FFFFFFFF,F,FFFFFF:F:FFFFFFFFFFFF::FFF,FFF,FF:FFF
@A00721:190:HGJW7DSXY:4:1230:18457:16297_2:N:0:TCTGCAAG+GCTGCACT
TTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCCGCGGACGTTTGTGCGGAACTCTCA
GAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTGAGAGAGGAC
+
FF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF::
@A00721:190:HGJW7DSXY:4:1266:5240:8782_1:N:0:TCTGCAAG+GCTGCACT
TTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCAA

[illegible][illegible][illegible][illegible]

```

+
:FF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFF:FF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

```
+
FFF,FF,FFFFFFFF:FFF,FFFFFFFF,FFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF
,:FFFF:,:FFFF::F:F:FFFFFFFF:FFFF:FFF:FF,F:F::FFF
```

[illegible][illegible]

@A00721:190:HGJW7DSXY:4:1621:13874:6918_2:N:0:TCTGCAAG+GCTGCACT
CTTTGCACTGATTTTTCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATCA
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCA

+

FF
FF
@A00721:190:HGJW7DSXY:4:1558:21603:27445_2:N:0:TCTGCAAG+GCTGCACT

ACCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGA
CACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTTCGACGCC

+

FF
FF
@A00721:190:HGJW7DSXY:4:2517:27597:29215_2:N:0:TCTGCAAG+GCTGCACT

TTTCTTCTAATGTGGCCTGAACTACGTTTCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTTGTCTT
CCTTGTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTA

+

FF
FF
@A00721:190:HGJW7DSXY:4:1411:19425:33191_1:N:0:TCTGCAAG+GCTGCACT

ACGTGTGCTCTTCCGATCTGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGA
CCATAATTGGTATTGACTTTGGTACCACCTTTCTACTGTCTGTCTCGCCTCTTCAATGATGTTTTA
ATG

+

FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2323:2202:13291_2:N:0:TCTGCAAG+GCTGCACT
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATG
ATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACA

+

FFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1271:7780:17002_2:N:0:TCTGCAAG+GCTGCACT

CCGAAAGACGTGCTAAATTAACCATTGTACGATGTGCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGATCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATC

+

FFFFFFFFFFFF,FFFFF,FFFFFFFFFFFF:FFFFFFFF:FF:F,,F:FF:F:FFFFF,:FFFFF,FFF,F
FFF,,F:,FF:F::F:FFFFFF,F:FFF:FF::FFF:FFFFF,F,FF:

@A00721:190:HGJW7DSXY:4:1515:10601:26115_2:N:0:TCTGCAAG+GCTGCACT
TATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAG
TACCCAGTCAGTATACCTCTACGCAAAGATATTTATGAAAACACTACAG

+

FFFFFFFFF,FFFFFF,FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F,FFF:FFFFF,FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2612:5972:16344_2:N:0:TCTGCAAG+GCTGCACT
ATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGA
AGGGTTCAGAAATGGGATTCCTACGTAGTTTATGACTTTGAGATCGGAA

+

FFFFFFFFFFFFFFFF:FFF,FFFFFFFF:FFFF
FFFF,FFFFF,FF:FFFF

@A00721:190:HGJW7DSXY:4:1305:13150:26897_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACG
TTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCGCCACCACACAACCTTTCAGTT
TCA

[illegible]

F:FF:F::FFFF:FF:F::,,FF,FFF,F,FFFF,,FFFF:FFF,FFF:FF,FF,F:FFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:1641:14778:21104_2:N:0:TCTGCAAG+GCTGCACT
GATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTACCA
AATTCTTGGCTTTCAACTAAGTCTCTGATTTTATTAATCATTACTTTA
+
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FF:F:FFF:FFFFFFFFFFFFFFFFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:1515:28709:22842_2:N:0:TCTGCAAG+GCTGCACT
GGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTA
TCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTA
+
FFFFFFFFF:FFF
FFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1212:30635:35352_2:N:0:TCTGCAAG+GCTGCACT
CTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTT
ACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG
+
FF,FFF:FFFFFFFFFFFFFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1241:15591:1188_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTTCCGATCTCTTAATACACGAACACACAACCCCCACACGACTCGAAACCGAGACGCCGTA
GATCAAAGTCCCTTCTAACTTTAGATT
+
:F:FF,:,:,F,,F,,,,,F:,:,:,F,:,:,F,F,:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2216:31937:17816_1:N:0:TCTGCAAG+GCTGCACT
CTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTTATACTTTTGG
GTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTATGTACTTATTGTA
ACG
+
::FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
FF
FFF
@A00721:190:HGJW7DSXY:4:2462:16938:2926_1:N:0:TCTGCAAG+GCTGCACT
TTCTTATTCTTTTATTCCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTA
TCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGG
TCA
+
FFFF,FFFFFFFFFFFF,FFFFFF:FFFFFFF:,FF:FF,,FFF:F:,FF:FFFFFF:,FFFFFFF
F,FFFFFFFFFFFF,FFFFF,FFFFFFFFF:FFFF,F:F::FFF,FF,F,FFFFFF,,:FFFFFF,FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2462:16938:2926_2:N:0:TCTGCAAG+GCTGCACT
TATTAAACGAACATGATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGG
AACTTCAATTCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCA
+
FFFFFF,FFF:FF,F,FFFFFFFFF:FFFFFFF:FFFFFFF:F::FF,FFFF:FFFF:FFFFFFFFFFFF
F::FFF:,FF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1631:12319:11052_2:N:0:TCTGCAAG+GCTGCACT
TTTCGACAAATTTTAGAACTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC
TTTTCAATAAGATGTATGATGATAATCTACTATTTTTTAAATAGTGATA
+
FFFFFF,FFF:,FF:F,FFFFFFFFFFFFFFFF,FFFFFFFFFFFFF:FFF,FFFFFF:FFF,FFFF,F,F
FFFF,FFFFF:FFFFF:FFF:FFFFFFFFF,FFFF,FFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2236:15691:34554_1:N:0:TCTGCAAG+GCTGCACT
CTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTA
CTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAG
ATT

+

FFFFFF:F,FF:FFF:,FFFFFF:F:FFFF:FFFF:FFF,FFFFFFF,:F:FFFF,FFFFFFFFFFFF
FFFFFF:FFFFFFFF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF:FFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1578:16586:31594_2:N:0:TCTGCAAG+GCTGCACT
GGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAA
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAAT

+

FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1417:27525:35884_2:N:0:TCTGCAAG+GCTGCACT
CTTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGT
GTATTCCTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTT

+

FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2148:7157:14137_1:N:0:TCTGCAAG+GCTGCACT
GATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGGAGTAC
TTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTA
CAC

+

FFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFF:FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2656:31150:6277_1:N:0:TCTGCAAG+GCTGCACT
GGGGAGAATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGT
TTGTATAAATTTATATGATTTTCTATATATATACCACATATATATATATAAAATCCTATAAATTTG
TAC

+

::,FFFFFFFF,F:FFF,FFF:FF:FF,,FFF::FFF:F:FFFF,F,FFFFFFFF:FF::,FFF:FF
,F:F,FFFF:FFFFFF,FFFFFF,F:FFFFFFFFFFFFFFFF,FFF:FFF,FFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2510:1407:33207_2:N:0:TCTGCAAG+GCTGCACT
AACATACCATACTCCCCAAACATAACATACCATAACCTACCATGACCAATCATCGCTCCAACGGC
ACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCA

+

FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFF

@A00721:190:HGJW7DSXY:4:2102:29523:35775_2:N:0:TCTGCAAG+GCTGCACT
ACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGA
CGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCA

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2153:26539:36933_2:N:0:TCTGCAAG+GCTGCACT
GTAACATTGACGGCAGTCCCGTCATCTCTGTGGGAACTGAGGCAGTACCTCAGTCAAAGTCACATTC
ACCACTCCCATAACCAATCAATGATGTGACTATACAGTTCGGCCATTTC

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1402:5638:3740_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGCTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2505:25220:3114_1:N:0:TCTGCAAG+GCTGCACT
AAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCC
ATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGG
CTT

+

F,FF:FFFF:FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1426:8522:10520_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCCTACTAT
GAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT

+

FF
F:FFFFFFFFFFFFFF:FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2509:22733:36667_1:N:0:TCTGCAAG+GCTGCACT
CAAAGTGAAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTG
TGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGAGGATTTTATCCGCGCTTAAGTATGGGGCGA
AGA

+

FF,FF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2111:17219:28557_1:N:0:TCTGCAAG+GCTGCACT
AGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCGAGAATGCGGGC
TTT

+

FF
F,FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2456:14009:1454_2:N:0:TCTGCAAG+GCTGCACT
ATTCAGTGGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAA
GTTGGGCAAATCCACATATGGTAGACGTTGTCACACTTTTCTTGAA

+

FFF:FFFFFFFFFFFFFFFFFFFF::FFFFF::FFFFFFFFF:FFFFFFF,FFFFFFFFFFFF:FFF:FF:
:FFFFFFFFF:FFFFFFFFFFFF::FFFFFFFFFFF:F::,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1244:7988:10848_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTTTGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGCTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1406:8974:6010_2:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTGAG

+

@A00721:190:HGJW7DSXY:4:1327:26151:10426_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGGTACCACCTTCTAAGTTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTT

+

@A00721:190:HGJW7DSXY:4:1537:32054:36558_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+

@A00721:190:HGJW7DSXY:4:1245:8693:34616_2:N:0:TCTGCAAG+GCTGCACT
GTGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAAC
TACTCCGATCAGATCCGGATGTTTTGATTGGTATGGACTACTCGACTT

+

@A00721:190:HGJW7DSXY:4:1562:31123:4633_1:N:0:TCTGCAAG+GCTGCACT
TAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGG
CGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTT
GTC

 $+$

@A00721:190:HGJW7DSXY:4:2216:16233:18208_1:N:0:TCTGCAAG+GCTGCACT
TACAGCGGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCT
CACGCCGTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGA
TAT

+

@A00721:190:HGJW7DSXY:4:1415:19000:36965_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCGATATTCGTTTTCATATCCAAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGA
TGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCA
TGA

+

@A00721:190:HGJW7DSXY:4:1644:14579:13745_1:N:0:TCTGCAAG+GCTGCACT
ATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAG
GTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTT
CGT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1560:18674:8907_1:N:0:TCTGCAAG+GCTGCACT
GAATTATTGGACACGGTGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA
TGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAAGATTT
TAT

+

FFFFFF:FFFFFFF:F:FFFFFFF,FFFFFFF:FFFFFFF
FFFFFFF:FFFFFFF:FFFFFFF:FFFFFFF:FFFFFFF:FFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:1604:15709:36526_1:N:0:TCTGCAAG+GCTGCACT
TTTTATTAAAGTGGGACAATTGTTCCATTGTGAACCTTGGGGACTAGATTGAGCATTAAATGAGTTC
CGAATAACTCGTATTAAATCTTCTCTAGTGGACAATTCAGATTACCTATTTCCGTACCAAGAGCCAC
TG

+

FF:F,,FFFF,FF,:F,F,FF::FF,,FF,F:FFFF:FFF,FF:,FF::F,F,F,:FFFFFF:FFFF
,,,FFF:F:FFF,FF,FFFFFF:FFF,F,FF,F:FF:FFF,FF,FFFF:FF:FF::,,F,FFF::
F,

@A00721:190:HGJW7DSXY:4:2160:17092:32503_2:N:0:TCTGCAAG+GCTGCACT
TGGAAGAAGCGAGGTTCTTCCTCAATAAAAAATTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTT
CATAAGGGCTATTAGTACGTCATGGGGATCACTTCTTCGGTCAATGA

+

FF:FFFFFFFF
FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1675:8097:20337_1:N:0:TCTGCAAG+GCTGCACT
AATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCTCTCGGGAAAGTGATTCACCAA
GATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAA
GAA

+

FF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2466:25644:9862_2:N:0:TCTGCAAG+GCTGCACT
GTTATGCTCGAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG
ATTCAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGAGATCGGA

+

FF
FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2455:7690:14497_2:N:0:TCTGCAAG+GCTGCACT
TTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTG
AACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:F,FFFFFF::FFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2651:15619:13103_2:N:0:TCTGCAAG+GCTGCACT
AGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGAT
CATGGAGTCTTGTACCTTCTGTCAAACCTTCGAGGTTTACGCTACGAGA

+

FFFFFFF:FF
FF:F:FFFF

@A00721:190:HGJW7DSXY:4:2404:6072:9095_1:N:0:TCTGCAAG+GCTGCACT
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTT
TCG

+

F,FFFFFFFFF:FFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2105:13530:3161_1:N:0:TCTGCAAG+GCTGCACT
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA
CTT

+

FFFFF,FFFFFFFFFFFFF:F:FFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFF:FFFFFFFF:F:FFF
:F,FFFFFFFFFFFF, :FFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1552:15293:10034_1:N:0:TCTGCAAG+GCTGCACT
CTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGG

+

FFF
FFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1105:20437:36949_2:N:0:TCTGCAAG+GCTGCACT
GACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGACAGCTCTTTATGAGGTGCTCCATGCA
AATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTA

+

FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:1372:31412:2472_2:N:0:TCTGCAAG+GCTGCACT
ACTTGGGTTTATCGGTTGTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTAT
TACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGA

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFF
FF:FFFF

@A00721:190:HGJW7DSXY:4:1120:22200:33458_2:N:0:TCTGCAAG+GCTGCACT
TTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGG
TAGTCAGTTTACTACTTTTCTTTCCCTCCCCATTTTCGATTGGATTG

+

FFFFFFFFFFFF,FFFFF:FFF:FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF::FFFFF,FFF
FFF:FF,:::FFFFFFFF, :F,F,:::FF:F:,FF::, :F,FF,FFFF:

@A00721:190:HGJW7DSXY:4:1156:29785:10207_2:N:0:TCTGCAAG+GCTGCACT
TTGATAAGTTTTTTCTTTTATGGGACTCTGTTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCT
TAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTG

+

FFF
FFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFF,FFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1129:32235:28698_2:N:0:TCTGCAAG+GCTGCACT
TGTTTTACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTA
TTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTCGGGCTGTGGG

+

FFF:FFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1641:14434:32002_2:N:0:TCTGCAAG+GCTGCACT
AAACTTACGACGATGTTCTCGCTCGCATTTCAAGGATTACTAAGTCTGAGATCTGCCACTTCTAAT
TTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAA

+

FFF:FFFFFFF:FFF
FF::FFFFF

@A00721:190:HGJW7DSXY:4:1469:10366:6668_2:N:0:TCTGCAAG+GCTGCACT
GAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGATACCGATCTCAGTTCTACCACAGAAAC

CGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCT

+

FF,FF:FF,FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2547:32931:1438_1:N:0:TCTGCAAG+GCTGCACT
GAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTC
TAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACA
AGC

+

FFFFFFFFFFFF:FFF:F,FFFFFFFF,FFFF:F,FFFFFF:F,FFFFFFFFFFFF:F:F:FFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:2403:28330:1548_2:N:0:TCTGCAAG+GCTGCACT
ATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCC
AGAGTTACGTAGTGGTCTTTCTTTTGGTGATTTTATCAAAGAGAAAGT

+

FF,F:FF,F,FFFFFFFF:F::F,FFFF:F:,FF,FFFFFF:F,FFF,F,:FF:F,FF::FFF:FFF:
F:FF:FF::,F,F:,FF,FFFF:FF::F,F:F,FFFFFF:F:FF:,

@A00721:190:HGJW7DSXY:4:1231:23285:24752_1:N:0:TCTGCAAG+GCTGCACT
CAAGTTAACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACGCAACATGGATCAGTTTTCCAAA
AAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAACTGAATCCACTCTCT
TGG

+

FF
FFFFFFFFFFFF:FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2345:16089:13291_1:N:0:TCTGCAAG+GCTGCACT
AGAGTTTTGGAAGTGTGTAATGTCCTACGTACTGTTCAAGGTGTTGGGCTTCTCTAAAGAACAGCAA
CTTTCAACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATCACCTTGGAGATGGTA
AAG

+

FFF:FF:F:FFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2354:26087:13823_2:N:0:TCTGCAAG+GCTGCACT
AGACCTTTCTTGGGGAGTAAAGAGGGTTTGGAAATTACGGAACCTTCTCCTGTTCTTCATGAAGATCT
TCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGA

+

FFFFFFFF:FFFFFFFF:FF:FFFFFFFF:
FF:FF,FFFFFFFF,

@A00721:190:HGJW7DSXY:4:2304:29894:15248_1:N:0:TCTGCAAG+GCTGCACT
CGCGATCTTGAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTGGAGGGAAGACCACTGAA
CTTATAGCGACTTTTGTGCAATTTTTCGAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAA
TT

+

FF,FFFF,FF
FF
FF

@A00721:190:HGJW7DSXY:4:1151:28004:13698_2:N:0:TCTGCAAG+GCTGCACT
TTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG
TCTTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF:FF
F,FFFFFFFFFFFF:FFF,:FF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1138:24306:25363_2:N:0:TCTGCAAG+GCTGCACT
TTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCTTTTTCTTACACATCTACTTAAGCGG
GCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAAT

@A00721:190:HGJW7DSXY:4:1167:7880:22592_2:N:0:TCTGCAAG+GCTGCACT
TCCAAGTCGCAAACACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTC
AGTTATCGCTGCCCCGCCGACGTTTGTGCGCAACTCTCAGAGGTTTAC

@A00721:190:HGJW7DSXY:4:1168:10800:23954_2:N:0:TCTGCAAG+GCTGCACT
CTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACT
TTCACTCAAGGTGAAAAGTTTGAAATTAACAAAGTCCTTGGTAAGAGT

@A00721:190:HGJW7DSXY:4:2261:29631:32957_1:N:0:TCTGCAAG+GCTGCACT
GTTCAAGGTAATACTTACCAGCACGTTGGCTGGTTAGAAATTAAACCTCAAGATGACCCTGTTTTTGC
ATCACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATG
TAA

@A00721:190:HGJW7DSXY:4:2430:9136:15969_2:N:0:TCTGCAAG+GCTGCACT
TGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATA
TCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGC

@A00721:190:HGJW7DSXY:4:1617:19551:19100_1:N:0:TCTGCAAG+GCTGCACT
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGAT
CGA

@A00721:190:HGJW7DSXY:4:2277:9914:27492_2:N:0:TCTGCAAG+GCTGCACT
GGCTAATACCTTTATAGGTAAGAAGCCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGT
CAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCT

@A00721:190:HGJW7DSXY:4:2171:9914:5979_1:N:0:TCTGCAAG+GCTGCACT
ACGTTTTTCAACGGAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTT
GAACGGTGTGTTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCA
ATT

@A00721:190:HGJW7DSXY:4:2127:28854:8124_2:N:0:TCTGCAAG+GCTGCACT
AATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTA
TATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTAAACT

+

FFFFFFFFFFFFFFFF:FF
FF:FFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1103:1768:6809_2:N:0:TCTGCAAG+GCTGCACT
CCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTACCCAACATTTTATGTATACAGA
GATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTCTCTTAGGAGG

+

FFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1511:29071:18928_2:N:0:TCTGCAAG+GCTGCACT
TTTCGAAGTTTGACAAATCTCAAGATTTCTTTGTAAAGCCTATGAGATAAAGATGTATTCTTATTTA
GGCTTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATTTT

+

FFFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1510:12364:13448_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCATTTACCACCTTGTCTCAACGACGAAGTGGAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTG
GTT

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: F:
:FF
FFF

@A00721:190:HGJW7DSXY:4:2546:17707:4163_1:N:0:TCTGCAAG+GCTGCACT
CCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTTCGAA
GCGAAATTTTGGAGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCTTTTGTCAATGATTACAT
CTA

+

FFFFFFFFFFFFFFFF:FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2146:20347:8202_1:N:0:TCTGCAAG+GCTGCACT
CCTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAG
ATTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGTTGTTGTTTGGCGATTAGCTCTTG
CGA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2209:29062:29246_2:N:0:TCTGCAAG+GCTGCACT
ATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATT
CCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACC

+

F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2120:18249:6198_1:N:0:TCTGCAAG+GCTGCACT
TGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGATTTCATGGACCTTCCATCCTGTA
CCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACC
AAG

+

FFFFFFFFFFF:,F,, ,FFFFFFFFF,:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFF:, ,FFFFF,

FFFF:FFFFFFFF,FFFFFFFF:FFFF:, ,FF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2376:23990:28009_1:N:0:TCTGCAAG+GCTGCACT
CGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACT
TGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTT
CTT

+

FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFF

@A00721:190:HGJW7DSXY:4:2103:12481:21261_2:N:0:TCTGCAAG+GCTGCACT
CTTTGCACTGATTTTCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTACGATAACAACATATCA
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCA

+

FFFFFFFFFFFFFFFF:FF:FFFFF,FFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF:FFFF:FF:FFF

@A00721:190:HGJW7DSXY:4:1611:20989:11256_2:N:0:TCTGCAAG+GCTGCACT
ACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGA
CACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCC

+

FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2519:29234:35775_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTAATGTGGCCTGAACTACGTTTCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTTGTCTT
CCTTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1142:32235:13072_1:N:0:TCTGCAAG+GCTGCACT
TCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGAC
CATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTTTTAA
TGC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF: :FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2435:23999:4069_2:N:0:TCTGCAAG+GCTGCACT
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATG
ATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACA

+

FF:FFFF:FF:FF,FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFF:F:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1363:6135:11616_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTAACCATTGTACGATGTCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATC

+

FFFFFFFFFFFFFFFFFFFFFFFF,FFF,FFFFFFF:F:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1527:22200:4366_2:N:0:TCTGCAAG+GCTGCACT
TATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAG
TACCCAGTCAGTATACCTCTACGCAAAGATATTTCATGAAAACCTACAG

+

FFFFF:, ,FFFFFF,FFFFF:FFFFFFFF:FFF:FFF:FFFF,FF:FFFFFFFF:FFFFFFFFFFFF
:FFFFFF::FFFF:FFFF:FFFFFFFF:FFFFFFFFFFFF,FFF,FFFFF

@A00721:190:HGJW7DSXY:4:1419:22688:34867_1:N:0:TCTGCAAG+GCTGCACT
ACCTGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGG
GTTCAAGATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTA
CGT

+

FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1159:27308:4351_2:N:0:TCTGCAAG+GCTGCACT
AGTGTTATTTATTCTGGTGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC

+

FF
FF:FFF

@A00721:190:HGJW7DSXY:4:1227:25545:30201_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATT
AAG

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2173:2003:5024_1:N:0:TCTGCAAG+GCTGCACT
CCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAG
CTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCT
GCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1327:13774:18114_2:N:0:TCTGCAAG+GCTGCACT
TCGATTGTATCAACAGTAACATTACTTCTAATAAGGGTCTCTATCAAGCTCGTATTATCGTCGCTGCT
GGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGAC

+

FFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF::FFF

@A00721:190:HGJW7DSXY:4:2608:11677:29763_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTGGTGTCTTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGAT
AGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCT
CTG

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1361:32877:25426_1:N:0:TCTGCAAG+GCTGCACT
AGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCATCTAAGCATACTACTTTTGCTTTGATT
ACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATGAAACAAGTTGTAATTATCAATGATTTTAT
CGC

+

FFFFFFF:FFF::F:,F,FFF:FFFFFFFF:FFFF:F:FFF,FF:::FFFF:FFF:FFFFF:FFFFF
:F::FFFF:F:F:FFFF,FFFFFF:FFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:1426:8169:27727_2:N:0:TCTGCAAG+GCTGCACT
TTCTAACCCTAAAGAGAATATCTAAAATATTTACAAAATCTTACCCTATCTACGAACCTAAAGTTCTG

AAGACGTTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAA
+
FF
FFF:FF:
@A00721:190:HGJW7DSXY:4:2518:29378:7592_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATA
CGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGA
+
FF,FFFFFF,FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,F,F
FF:FFFFFFFFFFFF:FF:
@A00721:190:HGJW7DSXY:4:2333:16830:6903_2:N:0:TCTGCAAG+GCTGCACT
ATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCCTCTCTTCTACGAGTATTGC
TATTTATACGGTTACGAGAAGAAGGTTGAAAGTTTGAGAACTTAGTT
+
,FFFFFF,FF:FF:FFFFFFFF:F:FFF:FFFFFFFF:FFFFF:FF::FFFFFF:FFFFFFFFFFFF,F,F
FFF:F:FFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2647:2003:7686_2:N:0:TCTGCAAG+GCTGCACT
TACTAAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTT
TCTTCCTTGGATTTTAATATAAAGAATCTTACCAGGACTCCTACTAC
+
FF
FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1128:12762:2080_1:N:0:TCTGCAAG+GCTGCACT
TGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCACTTAGAACTCGAAA
CTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGAATCTTCGATAGGG
GAC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1553:16324:6621_2:N:0:TCTGCAAG+GCTGCACT
TAAAGGAAGATCTGTTATCGACGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGTTTAAAGA
ATACTATAAATAGAATAGCTATTACTACTAATGGCGTTGGCCGAGTGG
+
FF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF:FFFF:FF::,FF:FF,FFFFFFFFFFFF:FFFF:FFFF,,FFFF
@A00721:190:HGJW7DSXY:4:1266:26648:31767_1:N:0:TCTGCAAG+GCTGCACT
TTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAG
TAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTCTTCAATCCTTCGATAATAGTT
AAA
+
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1225:24849:22670_1:N:0:TCTGCAAG+GCTGCACT
CCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGA
AGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCTACGATACAAATGATAACTTCTAATTTAC
GTT
+
F,FFF:FFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFF,FFFF:FFFFFFFF:FFF,FFFFFF
FFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1644:20103:34773_2:N:0:TCTGCAAG+GCTGCACT
CAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCA

$+$

@A00721:190:HGJW7DSXY:4:1573:16288:10504_1:N:0:TCTGCAAG+GCTGCACT
GTATTAACCTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAAT
CAATAAGAATCATCGATTCTCGATTCTAGAGCTTATCTAGGTACTCTCATTTACTATGTTGATTTAG
TCT

+

@A00721:190:HGJW7DSXY:4:1678:28709:35055_2:N:0:TCTGCAAG+GCTGCACT
GATTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAACCTCA
AAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAACTAACT

+

@A00721:190:HGJW7DSXY:4:2645:4300:1642_1:N:0:TCTGCAAG+GCTGCACT
CTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATATTACTAATGGCAAATAGTGGA
AGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATA
GTT

+

@A00721:190:HGJW7DSXY:4:1240:15067:30843_1:N:0:TCTGCAAG+GCTGCACT
GATCTATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAAT
AATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATATCC
AGA

+

@A00721:190:HGJW7DSXY:4:2365:12472:28291_2:N:0:TCTGCAAG+GCTGCACT
TGCTTTTACCGATAACGATAAATTCGTCATCAAATATAAAGAAAAGGACTATGAAATAAAAGATTTGG
TGCTTAGGGATATAATGAATTCAGCACCATTTTTGGTCAAGTCAATC

+

@A00721:190:HGJW7DSXY:4:1507:28510:17080_2:N:0:TCTGCAAG+GCTGCACT
TCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAATTCTTTTGATACAA
CTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTAC

+

@A00721:190:HGJW7DSXY:4:1235:1072:1188_2:N:0:TCTGCAAG+GCTGCACT
CGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCA
AACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTTAATTTAGCTC

+

@A00721:190:HGJW7DSXY:4:2222:10267:24972_2:N:0:TCTGCAAG+GCTGCACT
TGGGTGATAAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACG

+

@A00721:190:HGJW7DSXY:4:2309:16387:35383_1:N:0:TCTGCAAG+GCTGCACT
GTAGTGAACGCGTTCTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTA
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGA

+

@A00721:190:HGJW7DSXY:4:2353:19108:19366_2:N:0:TCTGCAAG+GCTGCACT
GATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCA
AATTCTTGGCTTTCACGAAGTCTCTGATTTTATTAATCATTACTTTA

+

@A00721:190:HGJW7DSXY:4:1140:26838:23390_2:N:0:TCTGCAAG+GCTGCACT
TCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATC
TTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGT

+

@A00721:190:HGJW7DSXY:4:2422:30373:13479_2:N:0:TCTGCAAG+GCTGCACT
GCTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGATACCTGAT
GGTATAATAGATTTATTCTCTACCCCATCTCAACGAGGATAAAGCGA

+

@A00721:190:HGJW7DSXY:4:1208:16080:21480_2:N:0:TCTGCAAG+GCTGCACT
ACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTA
GATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGT

+

@A00721:190:HGJW7DSXY:4:1470:28022:17331_1:N:0:TCTGCAAG+GCTGCACT
TTTATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGAC
ATTATCTCTTATGTACTTATTGTAACGATCATTCTTTCGAGTTTGTCACTTCTTATTCTTTTATTCTT
TTA

+

@A00721:190:HGJW7DSXY:4:1219:32289:19022_2:N:0:TCTGCAAG+GCTGCACT
TTTATAATGATTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTC
ACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAA

+

@A00721:190:HGJW7DSXY:4:1336:24722:18474_1:N:0:TCTGCAAG+GCTGCACT
ATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTTGTCAAGGAAGTTCAATTCCTTCG
ATGTTTATATTTTCTATAAGGGAAATAGCAATAATCAAATTCGACTAATTTTAGATCTTTATTTT
AGA

+
:FF,FFFF,FF,F,F:FFFF,,FF:,,:F,F:,FFF:,F,:FFFF,FF,,,FF:,FF:,,:F:FFF,FF:
FF,,FFF:FFFFFF:FFF,F,F:FFFF:FFFF,:F,FF:F,:FF,:,,,:FFFF,F,FFFFFFF::
FFF

@A00721:190:HGJW7DSXY:4:2201:2275:27320_2:N:0:TCTGCAAG+GCTGCACT
ATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTAA
ATAGTGATATTCAAGCTATACTTGAATACTTTATCAAAGATTTGGCTT

+
FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFF:FFF::FFFFFF:FFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1210:18765:1924_1:N:0:TCTGCAAG+GCTGCACT
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGA
CTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCTCGGTGAACACGTCGGTAG
CAT

+
FF
FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:1269:18439:7216_1:N:0:TCTGCAAG+GCTGCACT
AGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAG
AAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATA
GAA

+
FFFFFFFFFFFFFFFFFFFF:FF:FFF:FFF
FFFFFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1528:32904:25316_2:N:0:TCTGCAAG+GCTGCACT
TAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCC
TAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAA

+
FFFFFFFFFFFFFFFFFFFF:FF
FFF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFF,FF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1435:27480:10629_1:N:0:TCTGCAAG+GCTGCACT
AAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTT
AATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGA
ACT

+
FF:FFFFFFFFFFFF,FFF,FF:FFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1255:1298:25379_1:N:0:TCTGCAAG+GCTGCACT
AACATACCATACTCCCCAAACATAACATACCATAACCTACCATGACCAATCATCGCTCCAACCTGGC
ACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTGAG
GGA

+
F:F:FFFFFFFFFFFFFFFF,F:F:,F,:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1602:27832:31782_1:N:0:TCTGCAAG+GCTGCACT
CCTATCTCCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAA
AGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCAACCGAGGTCGCTCGTAACATTGACGGCAGTCC
CGT

+
FF,FFFF:,,FFFF,FFFF:FFFFFFFFFFFFFFFF:FF::F,FFF:FFFFFF:FFFFFF,FFF:FF

FFFFF:FFFF:, :FFFF, FFFFFFFF::FF: FFFFFFFF: FFFFF, FF: FFF: FFFFFFFF:: FFFF
FFF

@A00721:190:HGJW7DSXY:4:1260:26268:8813_1:N:0:TCTGCAAG+GCTGCACT
AACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATAC
AGTTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGC
AAG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1120:24352:10473_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGCTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCAT

+
FF
FF

@A00721:190:HGJW7DSXY:4:1559:23529:12399_2:N:0:TCTGCAAG+GCTGCACT
GAAGGGGAAATTATCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTG
CACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGG

+
: FF: F: FF: FF, FFFFFFFFFF:
FFFFFFFF: FFFF: FF: FFF

@A00721:190:HGJW7DSXY:4:1445:31015:26459_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTAT
GAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT

+
FF:
FFFFFFFF: FFFFFFFFFF: FFFFFFFFFF: FFFFFF: FFFFFFFF

@A00721:190:HGJW7DSXY:4:2509:23357:36683_1:N:0:TCTGCAAG+GCTGCACT
CAAACCTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTG
TGACGAGGCCGCTGACGTTTTTGTCAACGGCGTTTGAGGATTTTATCCGCGCTTAACCTATGGGGCGA
AGA

+
FFF, FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2511:22200:30358_1:N:0:TCTGCAAG+GCTGCACT
AGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAG
GTAAGCTCGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTGGCCAGAATGCGGGC
TTT

+
FF:
FF:
FFF

@A00721:190:HGJW7DSXY:4:2671:11496:25097_2:N:0:TCTGCAAG+GCTGCACT
ATTCAGTGGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAA
GTTGGGCAAATCCCACATATGGTAGACGTTGTCACTTTTCTTGAA

+
FF
FF

@A00721:190:HGJW7DSXY:4:1605:3450:28698_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTTTGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGTCTTCTTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+
FF
FFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1467:16206:8359_2:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGT
+
:FFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1353:31177:14058_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTAGATAATCTTTTGAGAAGGGTTCATAGAGCCAGCAAGAGAAGCTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1554:31828:6386_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1347:17137:5776_2:N:0:TCTGCAAG+GCTGCACT
GTGGCAGAATTTCGGTAACTTACCATATAGTTCCTTCCGGGACGTTGTGGGATTAACTTTGACTCAAC
TACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTT
+
:FFF:FFF:,FFF,FFFFFFFFFF,FF,FF:FFF,FF:,FF:,F,F::F,F:FF,::,FFF,FFFF
FF,FFFFFFFF:FFFF:FFFFF:FFFFF:FF:,F,FFF,FFFF:
@A00721:190:HGJW7DSXY:4:2142:27760:19006_1:N:0:TCTGCAAG+GCTGCACT
TAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGG
CGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTT
GTC
+
FFFFFF:FFFFFFFFFFFF:FFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2221:29559:13510_1:N:0:TCTGCAAG+GCTGCACT
TACAGCGGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCT
CACGCCGTCGAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTAGA
TAT
+
FFFFFFFFFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1515:19732:22733_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCGATATTCGTTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGA
TGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCA
TGA
+
FFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2168:12988:2472_1:N:0:TCTGCAAG+GCTGCACT
ATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAG

@A00721:190:HGJW7DSXY:4:1339:10782:19194_2:N:0:TCTGCAAG+GCTGCACT
TCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTT
CAAGTTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAATAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2265:26006:24424_2:N:0:TCTGCAAG+GCTGCACT
CTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGGTATTTCTGAAATA
GTTTATCAGAGCGTCATTTTCCTTTGGGATCTTTCCTCTGTTAAGGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2566:13160:35086_2:N:0:TCTGCAAG+GCTGCACT
TTCTCACTCTTGACGAGAATTATAACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGG
GTCTACTGAAGTTATCCTACAGAGTGCAGTCGTTTCAAACTTATCAC

+

,FF,FFF,:FFFFFFFF:FFFF:,FF,,,FF:FFFFFF:FFFF:F,FFFF:F::FFFFFF,,,F,FF,
FFFFFFFF:,FF,:,,FF,F:FFF:FF:FF,F:,,FF,FFFF,,:F

@A00721:190:HGJW7DSXY:4:1151:3369:31250_1:N:0:TCTGCAAG+GCTGCACT
AATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAA
GGGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTC
TTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2472:22336:34820_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTACGATTCTTAAAGAAGTTTATTAACCTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAA
TGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGG

+

F,FF
FF

@A00721:190:HGJW7DSXY:4:1533:29613:29356_1:N:0:TCTGCAAG+GCTGCACT
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTTA
AAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAAC
GAT

+

FFFFFFFFFFFFFFFFFFFF,FFFFFF,FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:2149:7383:4131_2:N:0:TCTGCAAG+GCTGCACT
ACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGA
TGGCTCAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1142:29839:24017_2:N:0:TCTGCAAG+GCTGCACT
GGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTAT
AGTTGGCGTCTTGTCGTTGACGTCATTACAGTCTGGAAGTTAGATCAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1430:26142:35243_2:N:0:TCTGCAAG+GCTGCACT
CGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGACTTTAGCAACTTTAGATAAATTCTTTCCGG

$+$

@A00721:190:HGJW7DSXY:4:1534:15293:16454_2:N:0:TCTGCAAG+GCTGCACT
TATTAGTTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTACAAAGGCGTTACGTAAA
GTAGTTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCACTT

+

@A00721:190:HGJW7DSXY:4:2103:28899:12524_1:N:0:TCTGCAAG+GCTGCACT
CTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGG

+

@A00721:190:HGJW7DSXY:4:1476:20916:19429_2:N:0:TCTGCAAG+GCTGCACT
GACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCA
AATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTA

+

@A00721:190:HGJW7DSXY:4:1408:26115:14653_2:N:0:TCTGCAAG+GCTGCACT
ACTTGGGTTTATCGGTTGTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGTTCTAT
TACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGA

+

@A00721:190:HGJW7DSXY:4:1214:4698:13260_2:N:0:TCTGCAAG+GCTGCACT
TTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGG
TAGTCAGTTTACTACTTTTCTTCCCTCCCTTTTTCGATTGGATTCTG

+

@A00721:190:HGJW7DSXY:4:1156:29794:10347_2:N:0:TCTGCAAG+GCTGCACT
TTGATAAGGTTTTCTTTATGGGACTCTTGTTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCT
TAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTG

+

@A00721:190:HGJW7DSXY:4:1129:32606:26584_2:N:0:TCTGCAAG+GCTGCACT
TGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTA
TTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTTCGGGCTGTGGG

+

@A00721:190:HGJW7DSXY:4:2256:19452:9032_2:N:0:TCTGCAAG+GCTGCACT
AAACTTACGACGATGTTCTCGCTCGCATTTCAAGGATTACTAAGTCTGAGATCTGCCACTTCTAAT
TTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCAAA

+

[illegible]

@A00721:190:HGJW7DSXY:4:1640:21251:29778_2:N:0:TCTGCAAG+GCTGCACT
GAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAAC
CGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCT

+

FFFFFFFF:FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FF:FFFFF:FFFFFFFFFFFFFFFFF:F:FFFFFFFF,FFFFF:FFFFF:F

@A00721:190:HGJW7DSXY:4:1276:17571:19398_2:N:0:TCTGCAAG+GCTGCACT
AGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCT
AAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGG

+

FF
FFFFF:FF:FFFFF:FFF

@A00721:190:HGJW7DSXY:4:1129:11785:8437_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGCGGTTGAAGAGAAAAGTATGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATC
ACTCTCGGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCTTCT

+

FF
FF,

@A00721:190:HGJW7DSXY:4:1154:3821:36730_1:N:0:TCTGCAAG+GCTGCACT
AAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAAGTACC
ACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGG
GGC

+

FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2165:15962:33113_2:N:0:TCTGCAAG+GCTGCACT
AAACTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGT
CCTACGTACTGTTCAAGGTGTTTGGGCTTCTCTAAAGAACAGCAACTT

+

FFFF:FFFFFFFF:FFF:FF:FF:F:FFFF::FFFFFF:
FFFFF,FFF::FFFFF:FFFFF,FFFFFFFFFFFFF:FFFFF:FF:

@A00721:190:HGJW7DSXY:4:2359:14633:15468_2:N:0:TCTGCAAG+GCTGCACT
AGACCTTTCTTGGGGAGTAAAGAGGGTTTGGAAATTACGGAACCTTCTCTGTTCTTCATGAAGATCT
TCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGA

+

FFFFF:FFF:FFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1148:14470:19132_2:N:0:TCTGCAAG+GCTGCACT
AATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAAGTATAGCGACTTT
TGTCGAATTTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTAA

+

FF:FFFFFFFF:FFF,FFFFF:FFFFFFFFFFFF:FFFFF,F:FFFFFFFFFFFF::FFFF,F:F,FFFF:FF
::F,FFFF:FFFF,FFFF:FFFFFFFFFFFFFFFF:FFF,FFFFFFFF:F:F

@A00721:190:HGJW7DSXY:4:2626:31439:26099_2:N:0:TCTGCAAG+GCTGCACT
CGAGAAGAGATAGTACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGA
CGTGAAATTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTG

+

FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF::FF

@A00721:190:HGJW7DSXY:4:1527:17969:2206_2:N:0:TCTGCAAG+GCTGCACT
CTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTT
TTTCTTACACATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGAT

+

@A00721:190:HGJW7DSXY:4:1576:4679:27727_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTTCCGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCTTGATGAGTG
TCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGAACTCTCAGAGTTTACG
GCA

@A00721:190:HGJW7DSXY:4:1201:9010:16219_2:N:0:TCTGCAAG+GCTGCACT
CTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACT
TTCACCTCAAGGTGAAAAGTTTGAAATTAACAAAGTCCTTGGTAAGAGT

@A00721:190:HGJW7DSXY:4:2336:23032:29888_1:N:0:TCTGCAAG+GCTGCACT
GTTCAAGGTAATACTTACCAGCACGTTGCGTGGTTAGAAATTAACCTCAAGATGACCCTGTTTTTGC
ATCACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATG
TAA

@A00721:190:HGJW7DSXY:4:2631:1687:30154_2:N:0:TCTGCAAG+GCTGCACT
TAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACG
ATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGAC

@A00721:190:HGJW7DSXY:4:2131:12807:18411_2:N:0:TCTGCAAG+GCTGCACT
GGTTATTCCTGGAACCACTTAACGTCACCTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCA
AGTCGGTTGTCGATCGAATTAAGATCAAGGCTAATACATTTATAGGTA

@A00721:190:HGJW7DSXY:4:2327:1805:1673_2:N:0:TCTGCAAG+GCTGCACT
GCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAA
GAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTTCACAACG

@A00721:190:HGJW7DSXY:4:2276:10004:12461_2:N:0:TCTGCAAG+GCTGCACT
TCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTGTTTGATCAGTCTAAG
TTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTG

@A00721:190:HGJW7DSXY:4:2304:10836:34256_2:N:0:TCTGCAAG+GCTGCACT
AATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTA
TATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACT

```
FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFF:FFFFFFFFFFFFFFFFFF:FF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F::F:FFFFFFFFFFFFFF
```

@A00721:190:HGJW7DSXY:4:1135:12997:9533_2:N:0:TCTGCAAG+GCTGCACT
CCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGA
GATGACCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTTAGGAGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1566:4526:18662_2:N:0:TCTGCAAG+GCTGCACT
TTTCGAAGTTTGACAAATCTCAAGATTTCTTTGTAAAGCCTATGAGATAAAGATGTATTCTTATTTA
GGCTTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATTTT

+

FFFFFFFFFFFF:FF
FFF:FF

@A00721:190:HGJW7DSXY:4:1619:2049:27837_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCAATTTACCACCTTGTCTCAACGACGAAGTGGAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCTGGCTGTG
GTT

+

FF,FFF,FFFF,,FFFF:FFFF:,FF:FFF::FFFFF,FFFF:FFFFFFFF:FFF:FF:FFF,F
FFF:FF:FFFFF:FFF::FF,FFFFFFFF:FFF
,FF

@A00721:190:HGJW7DSXY:4:2601:1280:28103_1:N:0:TCTGCAAG+GCTGCACT
CCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAA
GCGAAATTTTTGAGGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACAT
CTA

+

F:FF::F:FFFFFFFF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:2313:5538:2096_1:N:0:TCTGCAAG+GCTGCACT
CCTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAG
ATTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGTTGTTGTTTGGCGATTAGCTCTTG
CGA

+

FFFFF::FFFFFFFFFFFF:F,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2244:31132:36808_2:N:0:TCTGCAAG+GCTGCACT
ATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATT
CCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACC

+

FFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2365:28899:34945_1:N:0:TCTGCAAG+GCTGCACT
TGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTATGGACCTTCCATCCTGTA
CCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACC
AAG

+

FFFFF,:FF:FFFFFFFFFFFF:F,FF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF
:FF::FFFFFFFFF,:FFF,FFF:FFF:F:FFF:F:FFFF,FFFF,
:F:

@A00721:190:HGJW7DSXY:4:2378:31656:34115_1:N:0:TCTGCAAG+GCTGCACT
CGTGGCGCTTTATTATAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACT
TGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTT
CTT

[illegible]

FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1257:23131:18724_2:N:0:TCTGCAAG+GCTGCACT
AGTGTATTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTCATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC

+

FFFFFFFFF:FF:FFFFFFF
FFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1247:2094:7373_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAACCCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAGGTTATCAAAGATAGTGGCATTCAAG

+

FFFFFFFFFFFFF:FF
FFFFFFFFF:FF::FF:FFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2476:15817:22936_1:N:0:TCTGCAAG+GCTGCACT
CCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAG
CTGTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCT
GCT

+

FFFFF,FF:,F,FFFFFFFFFFFF,FFFFFFF:FFFFFFF,FFFF:FFFFFFFFFFFF,FFFFFFFFFFFFF
FFFFFFFFFFFFF:FFFF:FFF:,FFFF:FFF:F:FFF:FF:FFF:,:FFFFFFFF:F:FFF,FFFF
F,F

@A00721:190:HGJW7DSXY:4:1358:24279:2268_2:N:0:TCTGCAAG+GCTGCACT
TCGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCT
GGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGAC

+

FFFF:FF
FFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2625:30951:8719_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTGGTGTCTTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGAT
AGAGAGTCATACTTTGGGCTATCGTTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCT
CTG

+

FFFFFFF:FFFF:FF
FFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1446:19849:12352_1:N:0:TCTGCAAG+GCTGCACT
AGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATT
ACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTAT
CGC

+

FFFFF:FFFFF::FF,FFFFFFFFF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2364:12111:19304_2:N:0:TCTGCAAG+GCTGCACT
TTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTG
AAGACGTTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAA

+

FFFFFFFFFFFFFFFFF:FFFFF:FF:FFFFFFF
FFFFFFFFF::FF

@A00721:190:HGJW7DSXY:4:2638:4264:8563_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCGACCTGTTCCGAGTTTTTACGGGATCCGAATGTTCTGTCTATATTAGGTGAAGCGAAATA

CGATTTCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGA

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

+

```
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

 $+$

```
FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

+

```
FF,:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
```

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFF:F:FFFFFFFF:FFFFFFFFFF,FFFFFFFFFFFFFFFF:FF:FFFF::FFFF,FFFFFFFF
FFF

```

+

[illegible]

+

[illegible]

ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGA

@A00721:190:HGJW7DSXY:4:2453:30716:14544_2:N:0:TCTGCAAG+GCTGCACT
GATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCA
AATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTA

@A00721:190:HGJW7DSXY:4:1140:27118:22529_2:N:0:TCTGCAAG+GCTGCACT
TCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATC
TTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGT

@A00721:190:HGJW7DSXY:4:1177:10447:4053_2:N:0:TCTGCAAG+GCTGCACT
TTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCACTCTTCGTTACGAGACCTGATGGT
AGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTT

@A00721:190:HGJW7DSXY:4:1221:1443:20901_2:N:0:TCTGCAAG+GCTGCACT
ACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTA
GATTATGAATCCTGCCTTTACTCATTTCATAGCAGTTATTGATGTTGT

@A00721:190:HGJW7DSXY:4:1567:27163:19789_1:N:0:TCTGCAAG+GCTGCACT
TTTATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGAC
ATTATCTCTTATGTACTTATTGTAACGATCATTCTTTCGAGTTTGTCACTTCTTATTCTTTTATTCTCT
TTA

F:F
@A00721:190:HGJW7DSXY:4:1272:23249:36213_2:N:0:TCTGCAAG+GCTGCACT
TTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTC

```
:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFF:FFF
@A00721:190:HGJW7DSXY:4:1318:4634:25708_1:N:0:TCTGCAAG+GCTGCACT
CACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATAA
GGGAAATATCAATAATCAAATTTGACAAATTTTGAACTTTATTTCAGAACTCTCTCCGATCACCT
```

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF  
FFF
```

$+$

@A00721:190:HGJW7DSXY:4:2471:32461:33066_2:N:0:TCTGCAAG+GCTGCACT
CTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAA
TAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTA

+

@A00721:190:HGJW7DSXY:4:1146:7265:1172_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCG
ACTATATTAAAGAAATAAAAAATACCTCAAGTACCTGAACCTTACATTTTTAATGGTATGGTATAATGT
GTC

+

@A00721:190:HGJW7DSXY:4:1130:30391:12195_1:N:0:TCTGCAAG+GCTGCACT
TTCACCTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATT
TATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATT
GTA

+

@A00721:190:HGJW7DSXY:4:1438:11975:11929_2:N:0:TCTGCAAG+GCTGCACT
GTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTG
CTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGG

+

@A00721:190:HGJW7DSXY:4:1634:14100:26068_1:N:0:TCTGCAAG+GCTGCACT
AACATACCATACTCCCCAACATAACATACCATAACCTACCATGACCAATCATCGCTCCAAGTGGC
ACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCTGGCAGATCGGCACCACTGGTCTCTACGTTGAG
GGA

+

@A00721:190:HGJW7DSXY:4:1133:5095:17394_2:N:0:TCTGCAAG+GCTGCACT
TAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGA
AACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTA

+

@A00721:190:HGJW7DSXY:4:1166:4363:16219_1:N:0:TCTGCAAG+GCTGCACT
AGTCCCGTCATCTCTGTGGGAAGTGAAGGAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATGCC
AATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAG
CCT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1361:11089:12680_1:N:0:TCTGCAAG+GCTGCACT
CACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAG
TCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCA
GGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1154:21404:25222_2:N:0:TCTGCAAG+GCTGCACT
ATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCA
AAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGG

+

FF:
FF,
FFF,FF:FFF:FF

@A00721:190:HGJW7DSXY:4:1130:7808:27633_1:N:0:TCTGCAAG+GCTGCACT
AGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTATGAGCA
AATCTGTTGAATTCTGCTACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGC
AGT

+

FFFFFFFFFFFFFFFFFFFF:F:F,FFFFFFFF:F::FF,FFFF:F:FF,:FFFF:FFFF:FFFF:FF:FFF
F,F:FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFF:FF:,FFFFFFFFFFFFFFFFFFFFFFFF:F:FF
FFF

@A00721:190:HGJW7DSXY:4:1272:4634:13275_2:N:0:TCTGCAAG+GCTGCACT
AGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAA
CGGCGTTTGGAGGATTTTATCCGCGCTTAACATATGGGGCGAAGATCCC

+

FF:
FF,
FFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1367:8052:13589_2:N:0:TCTGCAAG+GCTGCACT
AAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCT
CGGGAATTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGC

+

:FF
FF,
F

@A00721:190:HGJW7DSXY:4:1261:4996:23453_1:N:0:TCTGCAAG+GCTGCACT
TTTCTGACTGATGAGGTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTT
CTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAT
TCC

+

FFFFFFFFFFFFFFFFFFFF:FF,FF:FFFFFFF,
FF
FFF

@A00721:190:HGJW7DSXY:4:2306:27588:18082_1:N:0:TCTGCAAG+GCTGCACT
CACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTG
TCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCATCATGATTGATAGTTACGGCTCGTAT
CGA

+

FFFFFFFFFFFFFFFFFFFF:FFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:
FFFFFFF,FFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2642:30499:24752_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGC
TCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGAGA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2223:17219:14309_1:N:0:TCTGCAAG+GCTGCACT
GAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA
TGATGCCGCATCACTTGATTACTATATGCCCAGGATTGGGTTATTCTCACAACAAAGATAAGATTT
TAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1223:26024:29215_1:N:0:TCTGCAAG+GCTGCACT
TAAGGGCGGACAATTGTTCCATTGTGAACCTTGGGGACTAGATTGAGCATTAATGAGTTCGAATAA
CTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAAT
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2454:17644:5556_2:N:0:TCTGCAAG+GCTGCACT
AGGTTTCGTTCTCAATAAAAAATTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTA
TTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCG

+

FFFFF:FFFFFFFFFFFFFFF:F:FFFF,FF:FF:FFF::FFF:FF:F,,FF,F:F:FF,,,F:F,:FFF
:FFFFFFFF:F,,:F:FFFFFFFF::F:FFFFFFFF:FF:FFFF:F

@A00721:190:HGJW7DSXY:4:1406:29143:18051_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTCATATAGATAC
GAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAA

+

FFF:FFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2432:7166:5040_2:N:0:TCTGCAAG+GCTGCACT
TACACGTTATGCTCGCAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAG
AAAAGATTACAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2550:12924:6402_2:N:0:TCTGCAAG+GCTGCACT
TTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGAGAGAAGACAACGAATCTTG
AACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTT

+

FFFFFFFFFFFFFFFFFFFFFFF:FF
FF:FF:FFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1360:2564:11099_1:N:0:TCTGCAAG+GCTGCACT
GATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATC
ATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTGGATTG
AAG

+

FFF:F:FF::FFFF:F,FF:F
FF
FFF

@A00721:190:HGJW7DSXY:4:1653:10737:21057_2:N:0:TCTGCAAG+GCTGCACT
TCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGCTTTACAAGGAGTTAGACTCTTCTT
CAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCAAATAA

+

FFFFFFFFFFFFFFF:FFFFFFFFF,FFF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFF


```
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2613:22824:18818_2:N:0:TCTGCAAG+GCTGCACT
CTTTATCTTAAAGCATTACCACCAAATTTAGCACTTTTTGAATATGACAGAAGCTCGCCATATCAGAT
TAGAGACATGCCAGTTAGAGTTCTTCTAACCAAGGACTGATGGTGAGAT
+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2108:19714:3756_2:N:0:TCTGCAAG+GCTGCACT
GGAGGTCCAGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGAC
AGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1576:18891:34867_1:N:0:TCTGCAAG+GCTGCACT
GATATCGCCTCTGTCTTTTCTCTTTAATCGTGAGGTTACGAGAGTTTCGTACTTGGGTTTATCGGTT
GTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTG
ATA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1610:3323:14011_2:N:0:TCTGCAAG+GCTGCACT
TGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAG
AGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFF,FFFFF:FFFFFFFF:FFFF,FFFFF,F:FFFF
@A00721:190:HGJW7DSXY:4:1141:10429:20149_1:N:0:TCTGCAAG+GCTGCACT
CCTTTTTCGATTGGATTGCACGGGTCTTCGTCTCACGACTAATTTGATAAGGTTTTTCTTTTATGGG
ACTCTTGTTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGTAGGTCTCCTAGTACTTAA
GGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1370:1380:21668_2:N:0:TCTGCAAG+GCTGCACT
GTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAA
GAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1167:28320:34444_2:N:0:TCTGCAAG+GCTGCACT
GTTCCGGGCTGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTTCAACAGG
ATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTGCGCA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFF:FFFFF
FFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1459:24415:11271_2:N:0:TCTGCAAG+GCTGCACT
ATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTCA
ACGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACGTGC
```


@A00721:190:HGJW7DSXY:4:1343:25690:22842_1:N:0:TCTGCAAG+GCTGCACT
GGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGG
ACGTTGAAACGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAG
AAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1103:23231:6308_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGGGAGAAAACAGAACAGCGAGCGTTGAAGAGAAAAGTATGATTGCGGCTGATCGTACC
CCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCA

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFF:FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1308:21242:22905_1:N:0:TCTGCAAG+GCTGCACT
GGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAG
TGATATTAACAAGTTAACTTCGAAGTACCACCTACAAGAGTGTGAAGTACCGCAACATGGATCAG
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2207:29306:29199_2:N:0:TCTGCAAG+GCTGCACT
AAACTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTGGAACTGTGTAATGT
CCTACGTAAGTGTCAAGGTGTTTGGGCTTCTCTAAAGAACAGCAACTT

+

FF
FF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2376:11812:22733_2:N:0:TCTGCAAG+GCTGCACT
AGACCTTTCTTGGGGAGTAAAGAGGGTTTGAAGATTACGGAACCTTCTCTCGTTCTTCATGAAGATCT
TCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGA

+

FF
FFFFF:FFFFFF:FF:FFF

@A00721:190:HGJW7DSXY:4:1217:12879:26553_2:N:0:TCTGCAAG+GCTGCACT
AATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAACCTATAGCGACTTT
TGTCGAATTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTAA

+

FF,FFFFFF
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1465:13214:24627_2:N:0:TCTGCAAG+GCTGCACT
TTGGCACTTCTAGTTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG
TATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACC

+

FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1634:6253:1767_2:N:0:TCTGCAAG+GCTGCACT
TTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCG
GCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAAT

+

FFFFFFFFFFFFF:FF
FF:F:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1167:8323:22357_2:N:0:TCTGCAAG+GCTGCACT
TCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTC

+

@A00721:190:HGJW7DSXY:4:1458:5285:9518_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2373:2510:8437_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2677:7319:5838 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2358:3450:24126 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2521:9625:14810_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2563:5394:12837_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2470:22742:15013 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1236:14724:16125_2:N:0:TCTGCAAG+GCTGCACT

+

,F,FF,,, :F,FF:FF::,FFFF,FF,FFFFFF:FF:,FFFFFF:,FFF

@A00721:190:HGJW7DSXY:4:2675:26494:20760_2:N:0:TCTGCAAG+GCTGCACT
TTTCGAAGTTTGACAAATCTCAAGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTA
GGCTTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATTTT

+

FF
FF
@A00721:190:HGJW7DSXY:4:1662:31828:32189_1:N:0:TCTGCAAG+GCTGCACT

GAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTG
GTT

+

FFFFFFFFFFFF:FF
F,FF
F,FF
FFF

@A00721:190:HGJW7DSXY:4:2503:28610:22357_1:N:0:TCTGCAAG+GCTGCACT
CATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGACAATGGTTTCGAAG
CGAAATTTTTGAGGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATC
TAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2622:12454:19335_1:N:0:TCTGCAAG+GCTGCACT
CCTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAG
ATTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGTTGTTGTTTGGCGATTAGCTCTTG
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2474:31430:21042_2:N:0:TCTGCAAG+GCTGCACT
ATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATT
CCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACC

+

FFFFF:FF
FF
FF:FFFFFFFF,FFF:FFFFFF:

@A00721:190:HGJW7DSXY:4:1218:22950:26804_2:N:0:TCTGCAAG+GCTGCACT
GGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTATGGACCTTCCATCCTGTACCTCTT
CTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTT

+

FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:1139:28212:3129_1:N:0:TCTGCAAG+GCTGCACT
ACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTT
GATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTT
AAA

+

:FFFFFFFF,FFFFF:FFFF:FFFFFFFF,FFFFFFFFFFFF:FFFFFFFF:FF:FFFF:F:FFFF
FFFFFFFFF:FFF:FFFFF:FFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1274:4426:21371_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCATCAGCTTGTTTACCTAATCTGTGTTT
TTACGATAACAACATATCAGTTGATTAAGACTCTTCCGAAAGGCGAACT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1435:20835:28244_2:N:0:TCTGCAAG+GCTGCACT
AGTGTATTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC

+

FFFF:FF
FF:FFFF,FF

@A00721:190:HGJW7DSXY:4:1323:29098:31031_1:N:0:TCTGCAAG+GCTGCACT
ACTGAAAACCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAG

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1625:6696:30874_1:N:0:TCTGCAAG+GCTGCACT
AGATCTTGACAGAGTGAAGTTCAGACGTGTGCTCTTCCGATCTCTTGCTGAAACAGCTATTAAAG
CTGTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCT
GCT

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1437:21395:16564_2:N:0:TCTGCAAG+GCTGCACT
TCGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCT
GGATCTGCGTTACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1209:15148:15890_1:N:0:TCTGCAAG+GCTGCACT
GTATGAGGGTGTCTTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATA
CTTTGGGCTATCGTTCAAGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATC
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1356:32090:36245_1:N:0:TCTGCAAG+GCTGCACT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAG
GTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTC
TCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2406:9968:17033_2:N:0:TCTGCAAG+GCTGCACT
TTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTG
AAGACGTTGCTTGTGCTTCTCCTTTAATGGCACTACCTCGGTACAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2676:9362:19398_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCGACCTGTTCCGGGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATA
CGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGA

+

FFF,FFFFFFFFFFFFFF,FF
FF
@A00721:190:HGJW7DSXY:4:1255:18349:35399_1:N:0:TCTGCAAG+GCTGCACT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTGAAAGTTTG
AGAACTTAGTTTACGAACCTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTT
GAT
+
FFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FF
FFF
@A00721:190:HGJW7DSXY:4:2238:5602:23531_2:N:0:TCTGCAAG+GCTGCACT
TTCAGAGTATGAAAAATTTCTTCCTTGATTATTAATAAAGAATCTTTACCAGGACTCCTACTACA
GGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTT
+
:FFFFFF,FFFF:FFFFFF:FF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFF,FF:FFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFF:FFF,FFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1569:2718:12837_1:N:0:TCTGCAAG+GCTGCACT
ACTCGAAACTCTAAGTGGAATACTGTCTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTT
CGATAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACG
AAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2319:7889:26303_2:N:0:TCTGCAAG+GCTGCACT
GTTTAAGAATACTATAAATAAGATAGCTATTACTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTG
ACATCTGGTCAATTTCTGTTTTAGGTGGTCTTTATTCTATTATTGATT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1260:8938:31532_1:N:0:TCTGCAAG+GCTGCACT
ACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTT
CAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCA
CTA
+
FF
FF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1221:30282:5337_2:N:0:TCTGCAAG+GCTGCACT
TAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAATTTTATCCTCGTTTAACTTAC
TTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2333:27453:25895_2:N:0:TCTGCAAG+GCTGCACT
CAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCGGCATTTGATAATAATGACGAGACTTTCGTCA
TAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTG
+
FFFFFFFFFFFF:FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2250:6777:4116_1:N:0:TCTGCAAG+GCTGCACT
GTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAAT
CAATAAGAATCATCGATTCTCGATTCTAGAGCTTATCTAGGTACTCTCATTTACTATGTTGATTTAG
TCT

```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2456:29677:33849_2:N:0:TCTGCAAG+GCTGCACT
GATTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAACCTCA
AAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAACTAACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1306:12924:5525_1:N:0:TCTGCAAG+GCTGCACT
CAATCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAA
CACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGA
CCA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1148:28384:32706_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAAC
AAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATA
+
,F:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2641:32244:29309_2:N:0:TCTGCAAG+GCTGCACT
TGCTTTTACCGATAACGATAAATTCGTCAATATAAAGAAAAGGACTATGAAATAAAAGATTTGG
TGCTTAGGGATATAATGAATTCAGCACCACATTTTGGTCAAGTCAATC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1378:32967:35884_1:N:0:TCTGCAAG+GCTGCACT
TCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAA
CTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTT
GAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1161:9344:7780_1:N:0:TCTGCAAG+GCTGCACT
AGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAAT
CAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATC
TTT
+
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1668:18656:29105_2:N:0:TCTGCAAG+GCTGCACT
CTACGGAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGT
GAACGCGTTCGTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCT
+
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2326:31241:31798_1:N:0:TCTGCAAG+GCTGCACT
TAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACT

```

GACGAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTAAAAT
ATA

+

FFFFFF:F::FF:FFFF:FF
FF:
FFF

@A00721:190:HGJW7DSXY:4:1370:17788:8155_1:N:0:TCTGCAAG+GCTGCACT
CATAACTTTTGTACCAAATTCTTGGCTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACG
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT
GAC

+

:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFF
FFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1323:24252:8453_2:N:0:TCTGCAAG+GCTGCACT
TTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTCTTA
GCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACG

+

FF
FF:

@A00721:190:HGJW7DSXY:4:2452:5132:30452_1:N:0:TCTGCAAG+GCTGCACT
GTAGAATATATTTATTCTCTACACCCATCTCAACGTGGATAAAGCGATTTTCCGTCCTGAACGTAAT
ACACTAAGAGATCATCCGAAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTA
GAT

+

FF,,F,F,:,FFF,,,:,,,:FFFF,F::,,F:F,,:,F,FF,F:,,,FF:,F:F,F,F:F,:,FF,:
F,,:,F,,F,F,,:,F,:,,:FFF
FFF

@A00721:190:HGJW7DSXY:4:2467:25880:25269_1:N:0:TCTGCAAG+GCTGCACT
CTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTATAATTTATAACCTTCTTATACTTTTGG
GTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTATGTACTTATTGTA
ACG

+

FF
FFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2556:9191:2848_1:N:0:TCTGCAAG+GCTGCACT
TTCTTATTCTTTTATTCCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTA
TCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGG
TCA

+

FF
FFFFFFFFF:FFFFFFFFFFFFFF:FF:FFFFFFFFFFFF:FFF:FFFFFFF,FFFFFFFFFFFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:2556:9191:2848_2:N:0:TCTGCAAG+GCTGCACT
TATTAAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGG
AACTTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCA

+

FF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F:FFFFFF:FFF:FFFFFF
FFF:FFF,FFFFFFFFF,FFFFFFFFF,:FFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2122:24279:15828_2:N:0:TCTGCAAG+GCTGCACT
TTCGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC
TTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATA

+

FF
FF, FFFF: FFFFFFFF
@A00721:190:HGJW7DSXY:4:2462:2320:2159_1:N:0:TCTGCAAG+GCTGCACT
CTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTA
CTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAG
ATT
+
FFFFFFFFFFFFFFFF, FF, FFFFFFFFFFFFFFFFFF: FFFFFFF: F: FF: FFFFFFFFFFFFFFFFFF
: F: FFF: FFFFFFFFFFFFFFFFFF: FFF: FFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:1306:32163:13792_2:N:0:TCTGCAAG+GCTGCACT
GGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAGATTCTTTTCGAAAAGAA
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAT
+
F, F: FFFF: FFFFFFFFF: FFFFFFFFFFFFFFFFF, : F, FFFFFFFFFFFFFFFFFF: FF
: FFFFFFFFFFFFFFFFFF, FFFF: FFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1452:32913:11678_2:N:0:TCTGCAAG+GCTGCACT
CTTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGT
GTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTT
+
F: FFFFFFFFF: FFFFFFFFFFFFFFFFFF: FFFFFFFFFF, FFFFFFFFFFFFFFFFFF
FFFFFFFFF: FFFFFFFFFFFFFFFFFF: FFFFFFFFFF: FFFF
@A00721:190:HGJW7DSXY:4:2435:20564:21480_1:N:0:TCTGCAAG+GCTGCACT
GATAGCAATTTATTTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTAC
TTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTA
CAC
+
FFFF, FFFFFFF, F: FFFFFFF, FF, FFFF: FFFFFFFFFFFFFFFFF, FFFFFFFFFF: FF: FFF
FFFFFFFFF: : FFFFFFFFFFFFFFFFFF: FFFFFFFFF: FF: FFFF, FFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1302:32542:8218_1:N:0:TCTGCAAG+GCTGCACT
GGGAGAATGAACTGCCGCTTCCCGGAAGAACTATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTT
TGTATAAATTTATATGATTTTCTATATATATACACATATATATATATAAAATCCTATAAATTTGT
ACA
+
:: FF: FFF, FFFF: FFF, F: F: F, : FF, FFF: , F: , FFF: FF: F, : , FFFFF: FFFF: F: F: F: FF
: FFFFF: FFFFFFFFFF: FF: FFFF: FF: FFFFFFFFFF: FFFFFFFFFF: FFFFFFFFF: F
F: F
@A00721:190:HGJW7DSXY:4:2448:20302:13886_1:N:0:TCTGCAAG+GCTGCACT
AACATACCATACTCCCCAACATAACATACCATAACCTACCATGACCAATCATCGCTCCAAGTGGC
ACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTGAG
GGA
+
F, FFF: FFFFF: F: FFFFF, FFFF, FF: FFF: FF, FF: FFF, , , FFFFFFF: FFFFFFF: FFFF
FFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF: FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1633:10529:30311_2:N:0:TCTGCAAG+GCTGCACT
TAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGTCTGTTACCGGACGACCACTCAAAGGA
AACGGGCTGTTGCCAGAGGAAAGCAGCGACCACGAGGTCGCTCGTA
+
FFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1311:30517:7373_1:N:0:TCTGCAAG+GCTGCACT
AGTCCCGTCATCTCTGTGGAACTGAGGCAGTACCTCAGTCAAAAGTCACATTACCACTCCCATGCC

AATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAG
CCT

+

FFFFFFFF:FF
FF
FF:

@A00721:190:HGJW7DSXY:4:1558:27670:14278_1:N:0:TCTGCAAG+GCTGCACT
ATCTAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAG
TCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGACTAAAGGGAAAGGTCCATCA
GGA

+

FFFFFFFF::FFFFFFF,FFFF,FFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFFF:F
FFFFFF,FF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFF:F,FF:,FFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1246:2618:18928_2:N:0:TCTGCAAG+GCTGCACT
ATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCA
AAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGG

+

F:FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1224:17598:33004_1:N:0:TCTGCAAG+GCTGCACT
AGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCA
AATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGC
AGT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1549:29152:13401_2:N:0:TCTGCAAG+GCTGCACT
AGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAA
CGGCGTTTGGAGGATTTTATCCGCGCTTAACCTATGGGGCGAAGATCCC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2253:28239:19930_2:N:0:TCTGCAAG+GCTGCACT
AAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCT
CGGGACTIONACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGC

+

FF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2515:5367:1141_1:N:0:TCTGCAAG+GCTGCACT
TTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTTCACTGGTT
CTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAAT
TCC

+

FFFFFFFF:FF:FFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF::FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2362:19886:26099_1:N:0:TCTGCAAG+GCTGCACT
CACACTTTTCTTGAAAATTTTCTGTCTCCGTCAATTGGGGATTTGATGTGAGAAGGTGGAAGGTG
TCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATGATTACGGCTCGTAT
CGA

+

FFFFFFFFFFF,FFFFFFFFFFFF,FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

FF,FF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1127:24704:6793_2:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAA
GAAACTTCGTCAGAAGATGAGGAAGTCTAAGAGATCGGAAGAGCGTC

+
FFFFFFFFFFFFFF,FF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1132:18765:18302_2:N:0:TCTGCAAG+GCTGCACT
TCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGG
TTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTT

+
FFFFFFFFFFFFFF:FF:FF
FFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1635:3378:3583_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1376:21160:34632_2:N:0:TCTGCAAG+GCTGCACT
GTGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACCTTGACTCAAC
TACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTT

+
FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFF:FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2278:7066:29262_1:N:0:TCTGCAAG+GCTGCACT
TAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGG
CGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTT
GTC

+
:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2363:17264:5118_1:N:0:TCTGCAAG+GCTGCACT
TACAGCGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCT
CACGCCGTCGAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTAGAT
TAT

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1539:8395:27461_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGA
TGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCA
TGA

+
FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2365:12536:7138_1:N:0:TCTGCAAG+GCTGCACT
ATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAG
GTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTT
CGT

+
FFFFFFFFFFFFFF,FFFFFF,:FF:FFFFFFFF:FFFF,FFFF:,FFFF:F:FFFFFFFF:F:FFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFF,F:FFFFFFFFFFFFFFFF,
FFF
@A00721:190:HGJW7DSXY:4:2252:12500:26365_1:N:0:TCTGCAAG+GCTGCACT
GAATTATTGGACACGATTAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA
TGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAAGATTT
TAT
+
FFFFFFFFFFF:FFFF:,F,F,FFFFFFFF,FFFFFFFF,FF:F,FFFF:FFFFFFFF:FFFFFFFFFFF
FFFFFFFFF:FFFFFF,FF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF,FFFFF:FFF:
FFF
@A00721:190:HGJW7DSXY:4:2132:31539:17221_1:N:0:TCTGCAAG+GCTGCACT
TAAGGGCGGACAATTGTTCCATTGTGAACCTTGGGGACTAGATTGAGCATTAATGAGTTCCGAATAA
CTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAAT
CTC
+
FFFFFFFFFFFF:F:F:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1115:11695:33927_2:N:0:TCTGCAAG+GCTGCACT
AAATTTTCTCAAGAGATTATGGTTGATAAAGTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGA
TCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGC
+
FFFFFFFFFFFF::FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F
@A00721:190:HGJW7DSXY:4:2326:14796:28494_2:N:0:TCTGCAAG+GCTGCACT
AGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGT
CGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1371:30671:10050_2:N:0:TCTGCAAG+GCTGCACT
TAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTACAGGACGCCTACG
GTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCT
+
FF,FF
FFFFFF:FF
@A00721:190:HGJW7DSXY:4:1129:21404:6872_2:N:0:TCTGCAAG+GCTGCACT
TCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTACGGTACTTATCAAAGAAAATGGTGA
ACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAAAACGTCAA
+
:F:FF::FFFFFFFF:FF:FFFFFFFF:FF:F,FFFFFFFF,F,,F:F,FFFF:FF,,F,F,::
FFF,,:F:F::FF:F::,FFF,,:FFF,: ,FF::FF,FF::FFF
@A00721:190:HGJW7DSXY:4:1116:6578:35149_2:N:0:TCTGCAAG+GCTGCACT
TTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGA
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCT
+
:FFFF:FFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFF:FFF:FF
FFFFFFFFFFFF:FFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1214:14769:16673_2:N:0:TCTGCAAG+GCTGCACT
CTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGT
TTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAATAAACTAA
+

```

+
FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF:,FFF,FFFFFFFF:F::FFF:FFFF:FF
@A00721:190:HGJW7DSXY:4:1268:16839:9142_1:N:0:TCTGCAAG+GCTGCACT
ACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGT
TTTCTACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTTGAAAGGAAAATAATTGGTGATGAAA
ATA

```

@A00721:190:HGJW7DSXY:4:1646:2844:3630_2:N:0:TCTGCAAG+GCTGCACT
GGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGACATTGTGG
TTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTG

@A00721:190:HGJW7DSXY:4:1228:5801:7341_1:N:0:TCTGCAAG+GCTGCACT
TCTTGTACGATTCTTAAAAAGAAGTTTATTAACCTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATG
TTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACT
CAG

@A00721:190:HGJW7DSXY:4:2415:15474:35775_1:N:0:TCTGCAAG+GCTGCACT
ACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCACAAGCAATACCTTCCACTG
AGTTCATCACCCAGAGTTTCGACGTCGCGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCT
GAT

@A00721:190:HGJW7DSXY:4:2274:16984:11271_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTCCTGATGGCTCAGTACAGGGAGGAGTAATAGTTATAAAACCTTCTTTTATC
ATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCT
ACA

@A00721:190:HGJW7DSXY:4:1501:1380:10363_2:N:0:TCTGCAAG+GCTGCACT
GTTGGCGTCTTGTCGTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTGAGGAAGATCTCTACA
GAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGGACT

@A00721:190:HGJW7DSXY:4:1570:24840:11162_2:N:0:TCTGCAAG+GCTGCACT
ATGTACGTGGATCTAATGCTTGGTGATCTGAATCTGACCATCGCAAAGAAGACTTTATTAGTTCATGA

AGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTACAAAGGCGTT
+
FF:FFF,FFFFFFFFFFFFFFF,,FF:FFFF:FFFFFFFF,:F,:FFFF,:FFFF:,FF:F,F::FF,F
FFFF:F:F,F:F::F,,,:FF,FF:,FFF,:FFFF:F,:FF,,,:F,
@A00721:190:HGJW7DSXY:4:2410:31964:14575_1:N:0:TCTGCAAG+GCTGCACT
GATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGAAGCTCGCCATATCAGATTAGA
GACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGG
AAC
+
:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF::F:FFFFFFFF:FFFFF::FFFFFFFFFFFFFFFF
:F:,FFF,:FFFFFFFFFFFFFF,FFFF,F:FFFFFFFF:FFFFFFFF,FFFFFFFF:FFFF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:1111:19343:12665_2:N:0:TCTGCAAG+GCTGCACT
CCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTT
CCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCC
+
FFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1221:13349:17065_2:N:0:TCTGCAAG+GCTGCACT
TTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGTA CTGTTTATCGGTTGTATTTTGATAAATTTG
TTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTC
+
FFFFFFFFFFFFFFFF:FFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF,FFF::F:FFFFFFFF:FF,FFFFFFFFFFFFFFFF::FFF,FFFFF
@A00721:190:HGJW7DSXY:4:1675:12436:35806_2:N:0:TCTGCAAG+GCTGCACT
TGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAG
AGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTG
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFF:,FF:FFFFF
:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFF,F,FFFFFFFFFFFFFFFF:F,FF
@A00721:190:HGJW7DSXY:4:1156:24008:22874_1:N:0:TCTGCAAG+GCTGCACT
CCTTTTTCGATTGGATTGACGGGTCTTCGTCTCAGCTAATTTGATAAGGTTTTCTTTTATGGG
ACTCTTGTTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGTAGGTCTCCTAGTACTTAA
GGG
+
F:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1374:3721:4805_2:N:0:TCTGCAAG+GCTGCACT
GTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAA
GAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGT
+
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFF:FFFFFFFFFFFF::FF:F:F,FFFFFFFF:F,FFFFF,:FFF
@A00721:190:HGJW7DSXY:4:1306:4408:3521_2:N:0:TCTGCAAG+GCTGCACT
GTTTCGGGCTGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTTACAAGG
ATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGA
+
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1542:4200:15530_2:N:0:TCTGCAAG+GCTGCACT
ATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCA
ACGGATACCGATCTCAGTTCTACCACGGAAACCGTCTCAGGAACGTGC
+

[illegible]

@A00721:190:HGJW7DSXY:4:1470:32832:11663_2:N:0:TCTGCAAG+GCTGCACT
TCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTC
AGTTATCGCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGGTTTAC

+

FF:FF:FF
FF

@A00721:190:HGJW7DSXY:4:1627:10818:11678_2:N:0:TCTGCAAG+GCTGCACT
CTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACT
TTCCTCAAGGTGAAAAGTTTGAAATTAACAAAGTCCTTGGAAGAGT

+

FFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2373:3387:8234_1:N:0:TCTGCAAG+GCTGCACT
GTTCAAGGTAATACTTACCAGCACGTTCCGGCTGGTTAGAATTAAACCTCAAGATGACCCTGTTTTTGC
ATCACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATG
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1438:11984:22435_2:N:0:TCTGCAAG+GCTGCACT
AAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGA
TGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACC

+

FF:FFFFFFFF
FFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2374:1090:10019_2:N:0:TCTGCAAG+GCTGCACT
GGTTATTCCTGGAACACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCA
AGTCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1271:24433:18223_1:N:0:TCTGCAAG+GCTGCACT
TCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGA
AACTTCAACGTTTTTCAACGGAAGACATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGC
GGT

+

FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1213:1280:2174_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTG
GGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAAT

+

FFFFFFFFFFFF:FFFFF,FF
FF:FFFFF

@A00721:190:HGJW7DSXY:4:1143:31684:10989_2:N:0:TCTGCAAG+GCTGCACT
TAATTGGACCGACTATATGACCTATTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATG
CTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACG

+

FF:FFF
FF,FF:FF

@A00721:190:HGJW7DSXY:4:1259:5918:29027_2:N:0:TCTGCAAG+GCTGCACT
CCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGA

GATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTCTCTTAGGAGG
+
FF:FFFF
FF
@A00721:190:HGJW7DSXY:4:2207:27263:35336_2:N:0:TCTGCAAG+GCTGCACT
TCAAGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTC
TTGAACCTTTGGAGTGCCAGTGAATATTTTTGTACGCCAGGAGTATCC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1220:13602:33786_1:N:0:TCTGCAAG+GCTGCACT
ATTTACCACCTTTGCTCAACGACGAAGTGGAACGCCAACACTTTCTTTGGTAATTGTATGATCACTT
TGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCC
ATT
+
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2210:28646:35383_2:N:0:TCTGCAAG+GCTGCACT
AGACTCCAATAACTGATCATTCTGATCATATGATTTTGACAATGGTTTCGAAGCGAAATTTTTGAGG
GATAAACGACGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGAT
+
FF,FF:FFFFFFFFFFFF,,FFFF,FFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF,F:FFFFFFFF
FFFFFFFF:F,FFFF,F,FFF,FF:FFF:,F:FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1646:26404:12680_2:N:0:TCTGCAAG+GCTGCACT
CCTGATCCTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTG
GGAGAGATTCTGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGA
+
FF::FFFFFFFF
FF:FF
@A00721:190:HGJW7DSXY:4:1220:1208:34898_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTAT
AAGATCAAATTTTAAACGATTCCGAGAGGTTTATCTGATGTGGAGGG
+
FF:FF:F:FFF:F::FFF:FFF:FFFFFF
FFFFFFFF,FF,F,F,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1467:22516:16814_1:N:0:TCTGCAAG+GCTGCACT
ATCCCGACCTTTCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTA
CGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACA
GGT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1141:14073:19194_2:N:0:TCTGCAAG+GCTGCACT
GCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAGCTCCCTCCTCT
CGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGAT
+
FF
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1146:4652:14904_2:N:0:TCTGCAAG+GCTGCACT
TCTTTTCATTTTAAATGACGATCATTAAGACTCTCTTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTT
TCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAAC
+

[illegible]

FFFFFF:FFFFFFFF,FF:FFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:1477:18909:16329_2:N:0:TCTGCAAG+GCTGCACT
AGTGTATTATTCTGGTGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC
+
:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFF:FFFF:FFFFFFFF:FFFF
FFFF:FF:FFFFF
@A00721:190:HGJW7DSXY:4:1427:7618:15436_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAACCCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATT
AAG
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1655:1904:17347_1:N:0:TCTGCAAG+GCTGCACT
AGATCTTGACAGAGTGAAGTTCAGACGTGTGCTCTTCCGATCTCTTGCTGAAACAGCTATTAAAG
CTGTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTCT
GCT
+
:FF,FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1472:30996:1063_2:N:0:TCTGCAAG+GCTGCACT
TCGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCT
GGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGAC
+
FFFFFFFFFFFF:FF:FF
FFFFFFFF:FFFF,FF:FFFFFFFF,FFFFFFFF:FFF:
@A00721:190:HGJW7DSXY:4:1304:7853:35164_1:N:0:TCTGCAAG+GCTGCACT
GTATGAGGGTGTCTTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATA
CTTTGGGCTATCGTTTCAAGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATC
GAA
+
FF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1447:11234:23015_1:N:0:TCTGCAAG+GCTGCACT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAG
GTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTATCTCGAAAAGTC
TCT
+
FFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2555:15139:2409_2:N:0:TCTGCAAG+GCTGCACT
TTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTG
AAGACGTTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAA
+
FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1429:23014:17080_2:N:0:TCTGCAAG+GCTGCACT
GCGACCTGTTCCGGAGTTTTACGGGATCCGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGAT

$+$

@A00721:190:HGJW7DSXY:4:1255:18629:35258_1:N:0:TCTGCAAG+GCTGCACT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTCGAAAGTTTG
AGGACTTAGTTTACGAACCTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTT
GAT

+

@A00721:190:HGJW7DSXY:4:2650:14516:3051_2:N:0:TCTGCAAG+GCTGCACT
TTCAGAGGATGAAAAATTTCTTCCTTGGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACA
GGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTT

+

@A00721:190:HGJW7DSXY:4:2146:25798:29857_1:N:0:TCTGCAAG+GCTGCACT
ACTCGAAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTT
CGATAGGGGACATTTTATCGTGGGCTTTCGTAAGGAAGATCTGTTATCGACGGTTTATCGTTTACG
AAG

+

@A00721:190:HGJW7DSXY:4:2414:2600:4178_2:N:0:TCTGCAAG+GCTGCACT
GTTTAAGAATACTATAAATAGAATAGCTATTACTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTG
ACATCTGGTCAATTTTCGTTTTTAGGTGGTCTTTATTCTATTATTGATT

+

@A00721:190:HGJW7DSXY:4:1419:14787:4523_1:N:0:TCTGCAAG+GCTGCACT
ACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTT
CAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCA
CTA

+

@A00721:190:HGJW7DSXY:4:1449:18747:15734_2:N:0:TCTGCAAG+GCTGCACT
TAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTAC
TTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTA

+

@A00721:190:HGJW7DSXY:4:2436:31928:11694_2:N:0:TCTGCAAG+GCTGCACT
CAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCA
TAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTCG

+

@A00721:190:HGJW7DSXY:4:2309:4345:10708_1:N:0:TCTGCAAG+GCTGCACT
GTATTAACCTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAAT

CAATAAGAATCATCGATTCTCGATTCTGATAGCTTATCTAGGTACTCTCATTACTATGTTGATTAG
TCT

+

FFFFFFFFF:F,FF:FFFFFFFF,,FFFFFFFFF,F,FF:FFFFFFFFF:,FFFFFF:FFF:,F
:FFFF:FFF,FFF:,FFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFF:FFF:FFF,FFFF
F:F

@A00721:190:HGJW7DSXY:4:2529:22399:2707_2:N:0:TCTGCAAG+GCTGCACT
GATTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAACCTCA
AAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAACTAACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1634:3341:21527_1:N:0:TCTGCAAG+GCTGCACT
CAATCTCTTCTTATAATAAATAAATAAATAATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAA
CACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGATAGTTTTTACCTCGA
CCA

+

FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1148:28899:29966_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAACTGAATAATGATGCACTACAAAC
AAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2675:10203:1846_2:N:0:TCTGCAAG+GCTGCACT
ATCAAATATAAAGAAAAGGACTATGAAATAAAAGATTTGGTGCTTAGGGATATAATGAATTCAGCACC
ACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:1329:4761:20102_2:N:0:TCTGCAAG+GCTGCACT
CAACATTTACCACCAAATTCTTTTGATACAACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGC
TTGCTATTACACGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGA

+

FF
FFFFFFFFF:FFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1128:1570:21183_2:N:0:TCTGCAAG+GCTGCACT
TGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAA
TTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTT

+

FFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFF:,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1544:19488:21277_1:N:0:TCTGCAAG+GCTGCACT
TACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGAAAAGTCCGGAGTATATTGTATGTTAATAG
ATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCTGTAACCAAGTACTTCCGTCTGAA
GAG

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1144:30011:13041_2:N:0:TCTGCAAG+GCTGCACT
TATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGA

$+$

@

+

@

+

@

+

@

+

@

+

@

+

©

+

```
FF:FFFF,FFF:,FFF,FF,F:FF,FFF,FFFFFF:FFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFF:FFF
FFFFFFFF,FF:FFFFFFFFFF:F:FFFFFFFFFF,:FF:FFFF:FF:F,F:FF,FFFFFFFF:FFFFFF,F
FFF
```

@A00721:190:HGJW7DSXY:4:1248:15483:30906_2:N:0:TCTGCAAG+GCTGCACT
ATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGA
TTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATAT

+

FF:FFFFFFFF:FFFFFFFFFFFF
F,FF:F:FFFFFFFFFFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1345:12283:13870_2:N:0:TCTGCAAG+GCTGCACT
TATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGAT
TAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:1221:18204:8907_2:N:0:TCTGCAAG+GCTGCACT
TTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAG
TACCTGAACCTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAA

+

FF:FFFFFFFFFFFFF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1166:28266:9455_2:N:0:TCTGCAAG+GCTGCACT
CTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATC
ACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATT

+

FF:FFFFFFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:1572:29713:19132_2:N:0:TCTGCAAG+GCTGCACT
TTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATT
GTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTA

+

FF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFF,FFF,F

@A00721:190:HGJW7DSXY:4:1352:28782:4523_1:N:0:TCTGCAAG+GCTGCACT
GGGAGAATGAAGTCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTT
TGTATAAATTTATATGATTTTCTATATATATATACCATATATATATATATAAAATCCTATAAATTTGT
ACA

+

FF:FFFFFFF:FFFFFFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFF
F:FFFFFFF,FFFFFFFFF:FF:F:FFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2462:29423:2785_1:N:0:TCTGCAAG+GCTGCACT
AACATACCATACTCCCCAAACATAACATACCATAACCTACCATGACCAATCATCGCTCCAAGTGGC
ACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTTCAG
GGA

+

:FF,,FF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFF
FF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1675:18385:5212_2:N:0:TCTGCAAG+GCTGCACT
TAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGA
AACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:1526:7048:1548_1:N:0:TCTGCAAG+GCTGCACT
AGTCCCGTCATCTCTGTGGGAAGTACCTCAGTCAAAAGTCACATTACCACTCCCATGCC

AATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAG
CCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1657:24523:33098_1:N:0:TCTGCAAG+GCTGCACT
ATCTAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAG
TCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCA
GGA

+

FFFFF:FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1319:13856:28557_2:N:0:TCTGCAAG+GCTGCACT
ATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCA
AAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGG

+

FFFFFFFFFFFF:FF:FFF:FFFFFFFFFFFF
FFF,FF:FF

@A00721:190:HGJW7DSXY:4:2176:5493:9095_1:N:0:TCTGCAAG+GCTGCACT
AGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCA
AATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGC
AGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2566:8712:20212_2:N:0:TCTGCAAG+GCTGCACT
AGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAA
CGGCGTTTGGAGGATTTTATCCGCGCTTAACATATGGGGCGAAGATCCC

+

FFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2559:24026:7560_2:N:0:TCTGCAAG+GCTGCACT
AAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCT
CGGGACTIONACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGC

+

FFF:FFFFFFFFFFFFFFFFFFFF
FFF,F

@A00721:190:HGJW7DSXY:4:1166:25798:12790_2:N:0:TCTGCAAG+GCTGCACT
TTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTTC
TGGGAGGCTGCTTCTCCATAATTACAACCTCTCTTTAGAGAGCATT

+

FFF:FFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFF:FF:F

@A00721:190:HGJW7DSXY:4:1207:27859:27164_2:N:0:TCTGCAAG+GCTGCACT
AAATTCCACATATGGTAGACGTTGTACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGG
ATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGA

+

F,FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:
:FFFFFF,FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1152:30318:20149_1:N:0:TCTGCAAG+GCTGCACT
TTCAGACGTGTGCTCTCCGATCTCGGCTCGTATCGAGTTGAGGGAGGAAGTTCTCCGAAATTAAAG

ACGGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGT
CAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1578:3929:14591_2:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCC
AGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTACCACCTCCTA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1378:16450:36808_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTGGAGTTTGTAGATAATCTTTGAGAAGGGGTATAGAGCCAGCAAGAGAAGCTTATATGCTGG
TTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATA

+

FF
FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1361:27208:7905_2:N:0:TCTGCAAG+GCTGCACT
CTTGGGGTTTGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTGAGTATCGACAGATCTTT
CGATCTTGAGGACGTACATTAACTGCGCAGAATTTCGGTAACTTACCA

+

FF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1206:25274:33865_2:N:0:TCTGCAAG+GCTGCACT
CGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGG
ACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTA

+

FFF:FFFFFFFF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1535:8929:22654_2:N:0:TCTGCAAG+GCTGCACT
AAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAAC
TATTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCGTACCTTAC

+

FFF:
FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2408:17246:6621_1:N:0:TCTGCAAG+GCTGCACT
TACAGCGGCTTATTGTGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCT
CACGCCGTGCGAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTAGA
TAT

+

FFF
FF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2303:1434:14528_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCGATATTCGTTTTATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGA
TGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCA
TGA

+

:F::,::FFFF:FFFF:FFFF:FFFF,F:FFFF,FF:FFFFF:FFFF,:F:FF:FFFFF:FF
FFF:FFF:FFFFFFFF,F::F:FF,FFFFFFFF:FFFF,FFFF:::FFFFFFFF:FFF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2368:31024:9126_1:N:0:TCTGCAAG+GCTGCACT
ATGTTTCGTTCTGTTACAAGAAGCCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAG

GTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTT
CGT

+

FFFFFFFFFFFFFFFFFFFFFFFF, F: FFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF
FF: FFFF
FFF

@A00721:190:HGJW7DSXY:4:2268:13376:20149_1:N:0:TCTGCAAG+GCTGCACT
GAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA
TGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAAGATTT
TAT

+

FFFFFFFFFFFFFFFFFFF: FFF: FFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2211:3721:5368_1:N:0:TCTGCAAG+GCTGCACT
TAAGGGCGGACAATTGTTCCATTGTGAACTCTTGGGGACTAGATTGAGCATTAAATGAGTTCCGAATAA
CTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAAT
CTC

+

FFFFFFFF: FFFF: F: FFFF, FFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF
FF: FFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1156:2718:16877_2:N:0:TCTGCAAG+GCTGCACT
AAATTTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGA
TCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGC

+

FFFFFFFFFFFFFFFFFFF: : FFFFFFF: FFFFFFF: FFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2425:7581:30530_2:N:0:TCTGCAAG+GCTGCACT
AGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGT
CGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTAC

+

FFFFFFFFFFFFFFFFFFF, FFFFFFFFFFFFF, F: FFFFFFFFFFFFFFFFFF
FF: FFFFFFFF

@A00721:190:HGJW7DSXY:4:1405:2230:36761_2:N:0:TCTGCAAG+GCTGCACT
TAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACG
GTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCT

+

FF
FFFFFF, FFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1330:13494:29089_2:N:0:TCTGCAAG+GCTGCACT
TCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGA
ACCGGTCTCTAAATCTTTGAGATTGAGAAGATTGAAGAACACGTCAA

+

FF, FFF, FFFFFFFFFFFFFFFFFF: FFFFFFFFFF
F: FFFFFFFFFFFFFFFFFF: FFFFFFFF: FFFFFFFF

@A00721:190:HGJW7DSXY:4:1408:24334:9095_2:N:0:TCTGCAAG+GCTGCACT
TTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAACCTTCGA
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCT

+

FF: FFFFFF
FF

@A00721:190:HGJW7DSXY:4:1362:17047:29825_2:N:0:TCTGCAAG+GCTGCACT
CTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTACAAGGAGTTAGACTCTTCTTCAAGT

TTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAATAAACTAA
+
FFFF:FFFF,FF:FFFFFFFF:F:F:FF:F
FFFF,FFFFFFFF:FFFFFFFF,F,FFFFFFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:2614:32497:19695_2:N:0:TCTGCAAG+GCTGCACT
CTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGGTATTTCTGAAATA
GTTTATCAGAGCGTCATTTTCCTTTGGGATCTTCTCTGGTAAGGGA
+
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:F:FFFFF:FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2566:13160:35086_1:N:0:TCTGCAAG+GCTGCACT
ACGAGAATTACTGTCTTCTACCCATAACTTCTTTTCAAAAATGCGGATGGGTCTACTGATGT
TTTCTACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTGAAAGGAAAATAATTGGTGATGAAA
ATA
+
:FF:,F,:FFFF,FF,FFFF:FFF:F,F:,FFFF,F,FFFFFF::FF:FF,FFFFFF,FFFFFF,
FFF::F:FFFFFFFF:FFFFFFFFF:,FF::F,FFFF:,FF::F:,FFF,FFFFFFFFF,FFFF
FFF
@A00721:190:HGJW7DSXY:4:2177:23999:33505_2:N:0:TCTGCAAG+GCTGCACT
GGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGACATTGTGG
TTCAATGATCAGGATTCTTCTTTGGTCCTTACGTCTTAAGTAATTG
+
FFFF,FFFF:FFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFF:FFFF:FFFFFFFFF:FFF::
FF:FFFFFF:FFFFFF:FFFF,F:FFFFFFFFFFFF:F:FF:FFFF
@A00721:190:HGJW7DSXY:4:1248:16658:34820_1:N:0:TCTGCAAG+GCTGCACT
TCTTGTCACGATTCTTAAAGAAGTTTATTAACCTTCAAGTCTCTTGGAAGTCCAGGTAGCTAATG
TTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACT
CAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1233:11261:7216_2:N:0:TCTGCAAG+GCTGCACT
ACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCA
TCAACCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACACTG
+
FFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2246:9579:2268_1:N:0:TCTGCAAG+GCTGCACT
TTCTGATGCTGAATTTGAGGAAAATTTTCTGATGTTTTTGGTATATATCCTGATGGCTCAGTTCAGG
GTGGTGTTATAGTTATAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGTCTGTTGAAATGG
AC
+
FF,FF:FF,FF:FFFF:,FFFF,FF,FF,,F,,FFFFFF:,FFF,,FF:,F,,F,FF:FF:,FF
F,:F,F,F,:F,FFF,FFFF,,FF:FF,F:FFFFFF,FFF:,FFFFFF,,:F:,F,FFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1228:15429:4131_2:N:0:TCTGCAAG+GCTGCACT
TCATAGGTATGTGTACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTC
GTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTGAGGAAGATC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1565:25292:14982_2:N:0:TCTGCAAG+GCTGCACT
CGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGACTTTAGCAACTTTAGATAAATTCTTCCGG

+

@A00721:190:HGJW7DSXY:4:1647:12500:29152_2:N:0:TCTGCAAG+GCTGCACT
TATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTACAAAGGCGTTACGTAAA
GTAGTTTTTCACGCTTTATCTTAAAGCATTACCACCAAATTTAGCACTT

+

@A00721:190:HGJW7DSXY:4:2407:12626:5071_1:N:0:TCTGCAAG+GCTGCACT
CTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGG

+

@A00721:190:HGJW7DSXY:4:1478:22905:7279_2:N:0:TCTGCAAG+GCTGCACT
GACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCGTTATGAGGTGCTCCATGCA
AATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCTTTCTCCTTTA

+

@A00721:190:HGJW7DSXY:4:1421:8811:24298_2:N:0:TCTGCAAG+GCTGCACT
ACTTGGGTTTATCGGTTGTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGTTCTAT
TACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGA

+

@A00721:190:HGJW7DSXY:4:2170:10936:2581_2:N:0:TCTGCAAG+GCTGCACT
TTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGG
TAGTCAGTTTACTACTTTTCTTTCCCTCCCCTTTTTCGATTGGATTCTG

 $+$

@A00721:190:HGJW7DSXY:4:1163:28393:28745_2:N:0:TCTGCAAG+GCTGCACT
TTGATAAGGTTTTCTTTATGGGACTCTTGTTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCT
TAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTG

+

@A00721:190:HGJW7DSXY:4:1204:26078:3912_2:N:0:TCTGCAAG+GCTGCACT
TGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTA
TTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTTCGGGCTGTGGG

 $+$

@A00721:190:HGJW7DSXY:4:2266:16161:16172_2:N:0:TCTGCAAG+GCTGCACT
AAACTTACGACGATGTTCTCGCTCGCATTTCAAGGATTACTAAGTCTGAGATCTGCCACTTCTAAT
TTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTGGAA

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

@A00721:190:HGJW7DSXY:4:2264:14434:35446_2:N:0:TCTGCAAG+GCTGCACT
GAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAAC
CGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCT

+

FF,FFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1466:21929:12665_2:N:0:TCTGCAAG+GCTGCACT
AGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCT
AAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGATAAGGTAGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1129:4526:12085_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGCGGTTGAAGAGAAAAGTATGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATC
ACTCTCGGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCTTCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1605:14959:9706_1:N:0:TCTGCAAG+GCTGCACT
AAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAAGTACC
ACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGG
GGC

+

FFFFFFFFF:FFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2225:29993:16861_2:N:0:TCTGCAAG+GCTGCACT
AAACTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTGGAACTGTGTAATGT
CCTACGTACTGTTCAAGGTGTTTGGGCTTCTCTAAAGAACAGCAACTT

+

FFFFFFFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2425:29577:23406_2:N:0:TCTGCAAG+GCTGCACT
AGACCTTTCTTGGGGAGTAAAGAGGGTTTGGAAATTACGGAACCTTTCCTCGTTCTTCATGAAGATCT
TCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGA

+

FFFFFFFFFFFFFFFFFFFF:F:F:FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1611:29225:33505_2:N:0:TCTGCAAG+GCTGCACT
AATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAAGTTATAGCGACTTT
TGTCGAATTTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTAA

+

FF:
FF

@A00721:190:HGJW7DSXY:4:1612:2808:35634_2:N:0:TCTGCAAG+GCTGCACT
TTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG
TATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACC

+

FF,
FFFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:2543:6144:28917_2:N:0:TCTGCAAG+GCTGCACT
TTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCG
GCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAAT

+

FF
FF
@A00721:190:HGJW7DSXY:4:1477:1615:20290_2:N:0:TCTGCAAG+GCTGCACT
TCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTC
AGTTATCGCTGCCCGGCCGACGTTTGTCTGCGAACTCTCAGAGGTTTAC
+
FF:FFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1635:30282:12540_2:N:0:TCTGCAAG+GCTGCACT
CTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCAATTTGAGGACGGAGTTAAATATATTACT
TTCCTCAAGGTGAAAAGTTTGAATTAACAAAGTCCTTGTAAGAGT
+
FF:FFFFFFFFFFFFF
FFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2417:6153:20290_1:N:0:TCTGCAAG+GCTGCACT
GTTCAAGGTAATACTTACCAGCACGTTCTGGCTGGTTAGAATTAAACCTCAAGATGACCCTGTTTTTGC
ATCACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATG
TAA
+
FF:FFFFFFFFFFFFF
FF:FF
FFF
@A00721:190:HGJW7DSXY:4:1606:32796:23625_2:N:0:TCTGCAAG+GCTGCACT
AAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGA
TGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACC
+
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFF
,FF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF:FF,FF:FF:FFF
@A00721:190:HGJW7DSXY:4:2442:28818:1799_2:N:0:TCTGCAAG+GCTGCACT
GGTTATTCCTGGAACCACTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCA
AGTCGGTTGTGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTA
+
FFF:
F:FFFFFFFFFFFFF:FF,FFF
@A00721:190:HGJW7DSXY:4:1344:32407:27837_1:N:0:TCTGCAAG+GCTGCACT
TCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGA
AACTTCAACGTTTTTACAACGGAAAGACATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGC
GGT
+
FFF:FFFFFFFFF:FFFFFFFFFFFF:FFF:FFFFFF:FFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1347:17363:7169_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTG
GGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAAT
+
FFFFF:FFFFFFFFF:FFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1143:32117:13338_2:N:0:TCTGCAAG+GCTGCACT
TAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATG
CTTCAGCCTTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACG
+
FFFFFFFFFF,FF,FFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFF:FF::FFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF,FFFFFFFFFF,FFFFFFF

@A00721:190:HGJW7DSXY:4:1320:16288:5838_2:N:0:TCTGCAAG+GCTGCACT
CCTATCTTTAAGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTATGTATACAGA
GATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTCTCTTAGGAGG

[illegible] $+$

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFF
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

[illegible]

+

[illegible]

+

```
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

+

```
F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F
```

+

[illegible]

+

[illegible]

TGGTGGTACTTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTG
GTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1202:30101:32487_2:N:0:TCTGCAAG+GCTGCACT
AGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAC
AACTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAAAAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1112:30400:33285_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTCAATAATATACGCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGG
AACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGCATTCAAGGCAAACCTTACCCTGATT
CCG

+

F,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1137:30888:34475_1:N:0:TCTGCAAG+GCTGCACT
TTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAGCTGTTGAGCGGGTAATTACACCTAAA
CGAGCTTGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACT
CTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1114:23023:9298_1:N:0:TCTGCAAG+GCTGCACT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGT
TACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCCTCTGGCCTTGTAT
GAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2111:18539:1877_2:N:0:TCTGCAAG+GCTGCACT
ATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCA
GGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2602:27959:29496_1:N:0:TCTGCAAG+GCTGCACT
AGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATT
ACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTAT
CGC

+

FFFFFFFFF:FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1478:32533:3881_1:N:0:TCTGCAAG+GCTGCACT
ACCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGAC
GTTGCTTGTGCGTTCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGAACGAAGGCGACCTG
TTC

++++
 @A00721:190:HGJW7DSXY:4:1163:11840:12853_1:N:0:TCTGCAAG+GCTGCACT
 TGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTCAAACGTCAACGTTCCACCGAGTTTTCGTTTCGT
 ACCTTGATGCTGACTTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGT
 GCG
 +
 FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
 FF:
 @A00721:190:HGJW7DSXY:4:1218:31331:11663_2:N:0:TCTGCAAG+GCTGCACT
 GAGTATTGCTATTTATACGTTACGAGAAGAAGGTTTCAAAGTTTGAGAACTTAGTTTACGAACCTGA
 CTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGA
 +
 FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1243:26060:18474_2:N:0:TCTGCAAG+GCTGCACT
 CATGAATTTTCAGAGGATGAAAAATTTCTCCTTGGAATTTAATAAAGAATCTTTACCAGGACTC
 TACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACAT
 +
 FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFF:FF
 FFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFF
 @A00721:190:HGJW7DSXY:4:2177:16152:19006_1:N:0:TCTGCAAG+GCTGCACT
 ACTCGAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTT
 CGATAGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGTTTATCGTTTACG
 AAG
 +
 FFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFF:FFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:2452:3314:11115_2:N:0:TCTGCAAG+GCTGCACT
 GTTTAAGAATACTATAAATAGAACTAGCTATTACTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTG
 ACATCTGGTCAATTTCTGTTTTTAGGTGGTCTTTATTCTATTATTGATT
 +
 FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1457:6750:27774_1:N:0:TCTGCAAG+GCTGCACT
 ACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTCTT
 CAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTCTACCGATAAGGGTCA
 CTA
 +
 FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
 FFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:2356:32009:3411_2:N:0:TCTGCAAG+GCTGCACT
 TAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTAC
 TTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTA
 +
 FFFF:FFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFF:FFFF:FF:FFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFF,FF
 @A00721:190:HGJW7DSXY:4:2441:24695:27696_2:N:0:TCTGCAAG+GCTGCACT
 CAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCC GGCAATTTGATAATAATGACGAGACTTTCGTCA

$+$

@A00721:190:HGJW7DSXY:4:1314:6207:14904_1:N:0:TCTGCAAG+GCTGCACT
ATTAACCTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCA
ATAAGAATCATCGATTCTCGATTCTGATAGAGCTTATCTAGGTACTCTCATTTACTATGTTGATTTAGTC
TAC

+

@A00721:190:HGJW7DSXY:4:2532:2456:7623_2:N:0:TCTGCAAG+GCTGCACT
GATTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAACCTCA
AAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAACTAACT

+

@A00721:190:HGJW7DSXY:4:2666:11912:30326_1:N:0:TCTGCAAG+GCTGCACT
CAATCTCTTCTTATAATAAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAAGGCTCCAGTCAA
CACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGA
CCA

+

@A00721:190:HGJW7DSXY:4:1240:15067:30843_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAACTGAATAATGATGCACTACAAAC
AAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATA

+

@A00721:190:HGJW7DSXY:4:2672:10791:17863_1:N:0:TCTGCAAG+GCTGCACT
TTGGTGCTTAGGGATATAATGAATTCAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCT
TAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCCTTTGATACAACCTC
TAG

+

@A00721:190:HGJW7DSXY:4:1528:29722:23907_2:N:0:TCTGCAAG+GCTGCACT
CGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAA
GCTTGTCGTTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAA

+

@A00721:190:HGJW7DSXY:4:1127:23068:6433_1:N:0:TCTGCAAG+GCTGCACT
AATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTA
CAAAGGACAATTCAGTTTCATTAATTCTACGGAAAAGTCCGGAGTATATTGTATGTTAATAGATAGTG
GGA

+

[illegible]

F:FF
FFF

@A00721:190:HGJW7DSXY:4:1513:21730:23500_2:N:0:TCTGCAAG+GCTGCACT
GGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATAC
TTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGT

+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:F:FFFFFF

@A00721:190:HGJW7DSXY:4:1304:5303:6793_2:N:0:TCTGCAAG+GCTGCACT
TATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT
AGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAG

+
FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1232:15908:27101_1:N:0:TCTGCAAG+GCTGCACT
CTTTTACCGTTAGAAGTGAAGAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGA
CTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGTATGGTATAATGTG
TCT

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF::FFFFFFFFFFFFFFFFFFFFFFFF,,:FFFFFFFFF,FFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1232:4155:7654_1:N:0:TCTGCAAG+GCTGCACT
TTCCTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATT
TATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATT
GTA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF
FF:F
FFF

@A00721:190:HGJW7DSXY:4:2219:9480:18035_2:N:0:TCTGCAAG+GCTGCACT
GTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTG
CTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGG

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF:FFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2510:1407:33207_1:N:0:TCTGCAAG+GCTGCACT
AACATACCATACTCCCCAACATAACATACCATAACCTCCCATGACCAATCATCGCTCCAACCTGGC
ACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACG
GGA

+
FFFFFFFFFFF:F:F:FF::,,FFFF::,F,FFFF::FFF,FFFF,:FFF:,FF,FFF:FFF:F:F,F
FFFFFFFFFFF,FFFFFFFFF:FF:F,FFFFFFFF:FFFF,::FFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2175:7211:18114_2:N:0:TCTGCAAG+GCTGCACT
TAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGA
AACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTA

+
FF
:FF

@A00721:190:HGJW7DSXY:4:2369:6189:12900_1:N:0:TCTGCAAG+GCTGCACT
AGTCCCGTCATCTCTGTGGGAAGTGAAGGACGACCTCAGTCAAAAGTCACATTACCACTCCCATGCC
AATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAG
CCT

[illegible]

@A00721:190:HGJW7DSXY:4:1130:8232:24298_2:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAA
GAAAACTTCGTCAAGAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1132:6361:8782_2:N:0:TCTGCAAG+GCTGCACT
GAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTT
TCTTTGGAGTTTTAGATAATCTTTTGAGAAGTGGTCATAGAGCCAGCA

+

,,,FFF:,F,,,F,:,,F,:F:F,,F::FF,F:F,:,,F:::F,:FFF,F,FF,FFF,F,F::FF
:,FF:FF,FF::F,,,F,:,,FF:FF,F:,F,:F:F,,,F,:::F:

@A00721:190:HGJW7DSXY:4:2112:16062:33630_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+

FFFFFFFFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2171:28375:1376_2:N:0:TCTGCAAG+GCTGCACT
GTGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAAC
TACTCCGATCAGATCCGGATGTTTGATTGGTATGGACTACTCGACTT

+

FF
FFFFFFF:FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2301:7437:3912_1:N:0:TCTGCAAG+GCTGCACT
TAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGG
CGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTT
GTC

+

FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2534:7301:7122_1:N:0:TCTGCAAG+GCTGCACT
TACAGCGGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCT
CACGCCGTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTAGAT
TAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1250:16947:4852_1:N:0:TCTGCAAG+GCTGCACT
GAGGCGATATTGTTTTTCATATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGAT
GTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT
GAA

+

FFFFFFFFF:FF
FF:
FFF

@A00721:190:HGJW7DSXY:4:2670:20401:13056_1:N:0:TCTGCAAG+GCTGCACT
ATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAG
GTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTT
CGT

+

FFFFFFFFF:FFFF::,F:,F,F,FFFFFFFFF:FF,FF:FFFF:FFFFFFFFF:FFFF:FFFF,

,F,FF,FFFF:FFFFFFFFFFFFFFFF:FFFFFFFF,FFFF:FFFF:FFF,FFFF:FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2364:10538:3145_1:N:0:TCTGCAAG+GCTGCACT
GAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA
TGATGCCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAAGATTT
TAT

+

FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2335:16197:30044_1:N:0:TCTGCAAG+GCTGCACT
TAAGGGCGGACAATTGTTCCATTGTGAACCTTGGGGAATAGATTGAGCATTAAATGAGTTCCGAATAA
CTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAAT
CTC

+

FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1323:18331:16799_2:N:0:TCTGCAAG+GCTGCACT
AAATTTTCTCAAGAGATTATGGTTGATAAAGTTTCTTCATAAGGGCTATTGAGTACGTCATGGGGA
TCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGC

+

FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2425:7925:30780_2:N:0:TCTGCAAG+GCTGCACT
AGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGT
CGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTAC

+

FF:FFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,:FFFF:FFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1458:18267:34350_2:N:0:TCTGCAAG+GCTGCACT
TAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACG
GTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1369:3504:20149_2:N:0:TCTGCAAG+GCTGCACT
TCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGA
ACCGGTCTCTAAATCTTTGAGATTGAGAAGATTGAAGAACACGTCAA

+

F,F,FFFF:FF, :FFFF:F:FFFF
,FFF:FFF:FFFF: :FFFFFFFF,FFFF:FFFFFF:F:F

@A00721:190:HGJW7DSXY:4:1558:29080:16125_2:N:0:TCTGCAAG+GCTGCACT
TTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAACCTCGA
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCT

+

FF
FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1636:17336:27101_2:N:0:TCTGCAAG+GCTGCACT
CTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGT
TTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTGAATAAACTAA

+

FF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFF:FF:FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2636:4065:17519_2:N:0:TCTGCAAG+GCTGCACT
CTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGGTATTTCTGAAATA
GTTTATCAGAGCGTCATTTTCCTTTGGGATCTTCTCTGGTAAGGGA

+

F::FFFFFFFF::FF:FFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFF::FF:F:F:FFFFFF::FF
FFFFFFFFFFFF,FFFFFF,FFFFFFFFFFFFFFFFFFFF,FFF,FFF,:FFF

@A00721:190:HGJW7DSXY:4:1126:18150:20243_2:N:0:TCTGCAAG+GCTGCACT
CGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTT
TTCCTACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTTGAAGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1443:25355:9549_1:N:0:TCTGCAAG+GCTGCACT
GTGATGAAAATACGTATGTCGGTGGGGTCTCAAGGCTCTCATCGACACTGGGATTCTAAGGGGTTC
ATAAGATTTTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAA
TT

+

FF,FFFF,FFF,:FF,FFFF,,:::FFFFFF:::FF,FFF,FF:F,F,FFF:F,FFF::FFFF:,FFF
:F:FF:F,F:,FFFFFF:F,FFF,FFF:,FF:FFFFFF:F:,FF,FFFFFFFFFFFF,FFF:FFF:FFF:
FF

@A00721:190:HGJW7DSXY:4:1410:4725:25363_1:N:0:TCTGCAAG+GCTGCACT
TCTTGTCACGATTCTTAAAAGAAGTTTATTAAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATG
TTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACT
CAG

+

FFFFFFFF,FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1233:11550:7936_2:N:0:TCTGCAAG+GCTGCACT
ACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCA
TCACCCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACACTG

+

FFFF:FFF:FF
FF

@A00721:190:HGJW7DSXY:4:1204:22670:18803_2:N:0:TCTGCAAG+GCTGCACT
TCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGG
AGGAGGTAATAGTTATAAAACCTTCTTATATCATTGCAACAGGACTTT

+

FFFFFFFFFFFFFF,FFFFFFFF:FFF,FFFFFFFF:FF:F,FFFF:FFF:FFF::FFF::F::FF
FFFFFFFFFFFFFF:FFFFFF,FFFFFF,FFF,FF,:FFF:FFFFFF::

@A00721:190:HGJW7DSXY:4:1232:28311:5744_2:N:0:TCTGCAAG+GCTGCACT
GGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTAT
AGTTGGCGTCTTGTCGTTGACGTCATTACAGTCTGGAAGTTAGATCAT

+

FF:FFFFF:FFFFFFFF
FF:FFF:

@A00721:190:HGJW7DSXY:4:2254:32922:22091_2:N:0:TCTGCAAG+GCTGCACT
CGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGACTTAGCAACTTTAGATAAATCTTTCCGG
GCTCAATGACCTTTGCTATGTACGTGGATCTAATCCTTGGTGATCTGA

+

FF::,FFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FF:FF:FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:1677:13702:2832_2:N:0:TCTGCAAG+GCTGCACT
TATTAGTTCATGAAGTTCTTACACTTCTCGGACTAATGTCAGCTTCACTACAAAGGCGTTACGTAAA

GTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCACTT
+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFF
FF:FFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2436:22254:5462_1:N:0:TCTGCAAG+GCTGCACT
CTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCGTCTCG
AGG
+
FF
FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1576:18891:34867_2:N:0:TCTGCAAG+GCTGCACT
GACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCA
AATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTA
+
FF
FFFFFFFFFFFFFFFF: ,FFFFFFFF:FFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1478:24252:28025_2:N:0:TCTGCAAG+GCTGCACT
ACTTGGGTTTATCGTTGTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGTTCTAT
TACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGA
+
FF:FFFFFFFF:FFFF
FF:
@A00721:190:HGJW7DSXY:4:2212:13819:32189_2:N:0:TCTGCAAG+GCTGCACT
TTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGG
TAGTCAGTTTACTACTTTTCTTCCCTCCCTTTTTCGATTGGATTCTG
+
FFFFFFFFFFFFFF:FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1207:1877:30671_2:N:0:TCTGCAAG+GCTGCACT
TTGATAAGGTTTTCTTTTATGGGACTCTTGTTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCT
TAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTG
+
FFFFFFFFFFFF:FFF:FFFFFFFF: :FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FF:FF,
@A00721:190:HGJW7DSXY:4:1250:5782:24251_2:N:0:TCTGCAAG+GCTGCACT
TGTTTCACAATGCGTGATCACTTCCCGTGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTA
TTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTAGGGCTGTGGG
+
F:,,F,FFF,:,,FF,FFFF,FFFFFF,,FF:F,F,,:,FFFFFFFF,FF:FFFF:,FFFF,F
FFFF:F: :FFFF,FFFFFFFF: ,FFFF,F,,FF,F,:FFF:F:F
@A00721:190:HGJW7DSXY:4:2420:22580:28541_2:N:0:TCTGCAAG+GCTGCACT
AAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAAT
TTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF: :FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2353:12599:8782_2:N:0:TCTGCAAG+GCTGCACT
GAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGATACCGATCTCAGTTCTACCACAGAAAC
CGTCTCAGGAAGTGTCTCCACTGATTTCGAATTAGAGAAAGACGACCT
+
FF:FF:FF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2463:7066:33959_2:N:0:TCTGCAAG+GCTGCACT
AGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCT
AAGAGTGTTTCAAAGACCAGAAACGTAACAAGAATAAAGGTAGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2103:22245:14372_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGCGGTTGAAGAGAAAAGTATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATC
ACTCTCGGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCT

+

FFFFFFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:2219:30834:22013_1:N:0:TCTGCAAG+GCTGCACT
AAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATTAACAAGTTAACTTCGAACTGACC
ACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGG
GGC

+

:FFFFFFFFFFFFFFFF:FF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2256:32796:35399_2:N:0:TCTGCAAG+GCTGCACT
AACTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGT
CCTACGTACTGTTTATGTTGTTTGGGCTTCTCTAAAGAACAGCAACTT

+

FFFFFFFFFFFFFFFFF:F:FFF:FFF:FFF
FFFFFFFFFFFFFFFFF:,FFFF:FFFFFFFFFFFFFFFFF:,F,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2436:21866:27398_2:N:0:TCTGCAAG+GCTGCACT
AGACCTTTCTTGGGGAGTAAAGAGGGTTTGAAGTTACGGAACCTTCTCTGTTCTTTCATGAAGATCT
TCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1639:25382:27696_2:N:0:TCTGCAAG+GCTGCACT
AATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAACCTTATAGCGACTTT
TGTCGAATTTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTCA

+

FFF:FFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F

@A00721:190:HGJW7DSXY:4:2228:25382:34115_2:N:0:TCTGCAAG+GCTGCACT
TTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG
TATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACC

+

FFFFF:F:FFF:F:FFFFFFFFFFFFF
:FFFFFFF,FFFFFFFFF:FFF:FF

@A00721:190:HGJW7DSXY:4:1328:18493:29731_2:N:0:TCTGCAAG+GCTGCACT
TTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGCGGCG
TTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCG

+

FFF
FFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1105:13720:12884_2:N:0:TCTGCAAG+GCTGCACT
CAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAG
TTATCGCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGG

+

F:FF:FFFF
FF
@A00721:190:HGJW7DSXY:4:1635:30960:10770_2:N:0:TCTGCAAG+GCTGCACT
CTATGGAAATTAGACCTATCAGATGTCTTGACGACTTGAATTTGAGGACGGAGTTAAATATATTACT
TTCACCTCAAGGTGAAAAGTTTGAATTAACAAAGTCCTTGGTAAGAGT
+
:FF:FF:,FFFF,FF,F:,FF,
F::FFFFFFFF:FF:FFFFF:,FFFF,FFF:FFF
@A00721:190:HGJW7DSXY:4:2451:19343:18020_1:N:0:TCTGCAAG+GCTGCACT
GTTCAAGGTAATACTTACCAGCACGTTTCGGCTGGTTAGAATTAAACCTCAAGATGACCCTGTTTTTGC
ATCACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATG
TAA
+
:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1678:9182:31548_2:N:0:TCTGCAAG+GCTGCACT
AAGGAACTGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGA
TGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2472:2745:1485_2:N:0:TCTGCAAG+GCTGCACT
GGTTATTCCTGGAACACCTTAACGTCACCTCGTAATCTTTAGCCGAATTAAGTACTAATGAGTTCA
AGTCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTA
+
FFFFF:F:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFF,FFF:FFFFFFFFFFF:F:FFFFFFFFFFFFFFFF
FF:FFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF,F,FFFF:FF
@A00721:190:HGJW7DSXY:4:2522:18656:4742_1:N:0:TCTGCAAG+GCTGCACT
TCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGA
AACTTCAACGTTTTTACAACGGAAAGACATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGC
GGT
+
FF
,FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1623:2049:36542_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTG
GGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAAT
+
FF
FFFFFFFFFFF:FFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1640:6741:7654_2:N:0:TCTGCAAG+GCTGCACT
TAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAAACTTGATG
CTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACG
+
F,FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFF,FF:FF:FFFF,
@A00721:190:HGJW7DSXY:4:1535:18891:12101_2:N:0:TCTGCAAG+GCTGCACT
CCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGA
GATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTCTCTTAGGAGG
+
FF
FFF:FFFF:FFFFFF:FF:,FFF

@A00721:190:HGJW7DSXY:4:1511:2419:16736_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTTTGTAAGCCTATGAGATAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAAC
TTTGGAGTGCCAGTGAATATTTTTGTCACGCCAGGAGTATCCATAACG

@A00721:190:HGJW7DSXY:4:1564:22625:22388_2:N:0:TCTGCAAG+GCTGCACT
TACCACCTTTGCTCAACGACGAAGTGGACGGCCAACACTTTCTTTGGTAATTGTATGATCACTTTGA
TGATTTTATCACTTTATTATGACCTTGAAAAGTTTTCGGCTGTGGTTG

@A00721:190:HGJW7DSXY:4:2129:7039:14152_1:N:0:TCTGCAAG+GCTGCACT
TCTGTTTTCAAAGACTCCAATACTGATCATTCTGATAATTTGATTTGGACAATGTTTCGAAGCGA
AATTTTTGAGGGATAAACCAGCGTACTTCTGCTCGCGATTATTCTTTTTGTCAATGATTACATCTA

@A00721:190:HGJW7DSXY:4:2643:4734:21433_1:N:0:TCTGCAAG+GCTGCACT
CCTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAG
ATTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAGCTCTTG
CGA

@A00721:190:HGJW7DSXY:4:2619:30174:32957_2:N:0:TCTGCAAG+GCTGCACT
ATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATT
CCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACC

@A00721:190:HGJW7DSXY:4:2125:6677:35008_2:N:0:TCTGCAAG+GCTGCACT
GGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTT
CTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTT

@A00721:190:HGJW7DSXY:4:1310:19289:6026_1:N:0:TCTGCAAG+GCTGCACT
ACCAAGATCTAAATTCGGTAACGGTGCCTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTT
GATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTT
AAA

@A00721:190:HGJW7DSXY:4:1403:11586:2018_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTTTGTTTCCTTCTTTCGACTGATTTTCTCATCAGCTTGTTTTACCTAATCTGTGTTT
TTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGCCAACT

@A00721:190:HGJW7DSXY:4:1533:19922:5901_2:N:0:TCTGCAAG+GCTGCACT
GAAGCTCAGGGTGAAGCACAACTTTGACCGTGACGAACGTGTTGTTCTTGATCTACGTTACGGATA

TACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTACGATAT

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
```

+

```

FFFFFFFFFFFFFF:FFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFF:FFF
FFF:FF,FFFF:FFFFFFFFF:FFFFFFFFF,F:FFFFFFFFF:,;FFFF:

```

+

```

FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF

```

+

[illegible]

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:F:FFFF

```

+

```

FFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF

```

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

+

[illegible]

AACTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAAAAC

+

FFFFFFFFFFFFFFFF:FF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1419:25943:1924_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGG
AACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATT
CCG

+

FF:FFFF
FF,FFF
FFF

@A00721:190:HGJW7DSXY:4:1212:30201:8735_1:N:0:TCTGCAAG+GCTGCACT
TTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAA
CGAGCTTGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACT
CTT

+

FF:FFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:1155:32389:14309_1:N:0:TCTGCAAG+GCTGCACT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGT
TACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTAT
GAG

+

FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2145:15510:12665_2:N:0:TCTGCAAG+GCTGCACT
ATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCA
GGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2659:22860:11334_1:N:0:TCTGCAAG+GCTGCACT
AGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATT
ACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAACAAGTTGTACTTATCAATGATTTTAT
CGC

+

FFFFFFF:FFF:FF:FFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1510:16125:31704_1:N:0:TCTGCAAG+GCTGCACT
ACCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGAC
GTTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGAACGAAGGCGACCTG
TTC

+

FFFFF:FF,FFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1227:19334:31626_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTGCAACGTCAACGTTACCGAGTTTCGTTTCGT
ACCTTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGT
GCG

FFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFF
 FF:
 @A00721:190:HGJW7DSXY:4:1638:28953:18850_2:N:0:TCTGCAAG+GCTGCACT
 GAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTGAAAGTTTGAGAACTTAGTTTACGAACTTGA
 CTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGA
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
 @A00721:190:HGJW7DSXY:4:1533:10149:15843_2:N:0:TCTGCAAG+GCTGCACT
 CATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGGAATTTAATATAAAGAATCTTTACCAGGACTC
 TACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACAT
 +
 FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
 @A00721:190:HGJW7DSXY:4:2327:6668:24846_1:N:0:TCTGCAAG+GCTGCACT
 ACTCGAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTT
 CGATAGGGGACATTTTATCGTGGGCTTTCCGTAAGGAAGATCTGTTATCGACGTTTATCGTTTACG
 AAG
 +
 FFFFFFFFFFFFFF::FFF:FFFFF:FF:FFFFF:F:FF:FF:FF,F:FF:FFF:FFFFFFFFFFFFF,F
 FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:2678:26838:6887_2:N:0:TCTGCAAG+GCTGCACT
 GTTTAAGAATACTATAAATAGAACTAGCTATTACTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTG
 ACATCTGGTCAATTTCTGTTTTTAGGTGGTCTTTATTCTATTATTGATT
 +
 F,F,FFFFFFFF:FFFFF:FFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
 @A00721:190:HGJW7DSXY:4:1550:12879:32440_1:N:0:TCTGCAAG+GCTGCACT
 ACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTT
 CAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCA
 CTA
 +
 FFFFFFFFFF:FF
 FFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
 FF:
 @A00721:190:HGJW7DSXY:4:2359:14118:24001_2:N:0:TCTGCAAG+GCTGCACT
 TAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTAC
 TTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTA
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
 @A00721:190:HGJW7DSXY:4:2556:30743:1063_2:N:0:TCTGCAAG+GCTGCACT
 CAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCA
 TAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGCG
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
 FFFF:FF
 @A00721:190:HGJW7DSXY:4:1648:19895:4288_1:N:0:TCTGCAAG+GCTGCACT
 ATTAACTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCA
 ATAAGAATCATCGATTCTCGATTCTGATAGAGCTTATCTAGGTACTCTCATTTACTATGTTGATTAGTC
 TAC


```
+
FFFFFFFFF:::FFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2559:2248:20760_2:N:0:TCTGCAAG+GCTGCACT
GATTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAAATTATAATATTCAACTCA
AAAGTTACGTGTTTTACAGTAACGAGATCACACATTTTGAGAACTAACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1238:13819:3505_1:N:0:TCTGCAAG+GCTGCACT
TCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACAC
TAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCA
ACA
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
FFF
@A00721:190:HGJW7DSXY:4:1441:13024:13714_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAAC
AAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2675:10203:1846_1:N:0:TCTGCAAG+GCTGCACT
TTGGTGCTTAGGGATATAATGAATTCAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCT
TAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTTCTTTTGATACAAC TC
TAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1602:12319:15311_2:N:0:TCTGCAAG+GCTGCACT
CGGAATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAA
GCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAA
+
FFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF,F,F,FFFF,FFF:F,FF,FFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2257:13928:3161_1:N:0:TCTGCAAG+GCTGCACT
AATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTA
CAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATGTTAATAGATAGTG
GGA
+
FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1311:28999:29763_2:N:0:TCTGCAAG+GCTGCACT
GAACGCGTTCGTATAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTAACCGA
TAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1356:2175:23234_1:N:0:TCTGCAAG+GCTGCACT
GAAGATTTTCCCAAAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAATA
```


@A00721:190:HGJW7DSXY:4:1158:24469:13808_2:N:0:TCTGCAAG+GCTGCACT
CCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGT
GAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAAGTAAAAAG

@A00721:190:HGJW7DSXY:4:1653:28393:30091_1:N:0:TCTGCAAG+GCTGCACT
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACTTT
ACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTAT
TCC

@A00721:190:HGJW7DSXY:4:1547:24623:25911_1:N:0:TCTGCAAG+GCTGCACT
GGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAATTT
TAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCC
TTT

@A00721:190:HGJW7DSXY:4:1361:28926:6089_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGA
ATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAG

@A00721:190:HGJW7DSXY:4:1153:4155:14857_2:N:0:TCTGCAAG+GCTGCACT
TACACTCCCCAAACATAACATAACCATAACCTACCATGACCAATCATCGCTCCAAGTGGCAGCCAGAC
GTAGGGTCAAACCTACTACCGCCTGTCGGCAGATCGGCACCACTGGTC

@A00721:190:HGJW7DSXY:4:2249:24153:5869_2:N:0:TCTGCAAG+GCTGCACT
ACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGA
CGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCA

@A00721:190:HGJW7DSXY:4:2172:27091:34538_2:N:0:TCTGCAAG+GCTGCACT
GTAACATTGACGGCAGTCCCGTCATCTCTGTGGGAACTGAGGCAGTACCTCAGTCAAAGTCACATTC
ACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTC

@A00721:190:HGJW7DSXY:4:1504:6705:29011_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

[illegible]

@A00721:190:HGJW7DSXY:4:2659:25156:19257_1:N:0:TCTGCAAG+GCTGCACT
AAAGGGAAAGTCCATCAGGACCTAAGAAGGGGACATTACCCCTAATTCTGAAGGAAGATCTCCCACC
ATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGG
CTT

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

@A00721:190:HGJW7DSXY:4:1452:3323:34554_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTAT
GAGCAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1127:4173:6057_1:N:0:TCTGCAAG+GCTGCACT
CTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGTAAGGCCGACGCTTCGAGCTTGAGTGTGAC
GAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTA ACTATGGGGCGAAGAT
CCC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1259:26648:33802_2:N:0:TCTGCAAG+GCTGCACT
AGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCCTTAAGCACCGAGGTAAGCTCGGGACTT
ACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCAGAATG

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

@A00721:190:HGJW7DSXY:4:2544:31069:3724_1:N:0:TCTGCAAG+GCTGCACT
CTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCCTGTTCTGGGAG
GCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAGATCATTAGAAGGAAGTTGGGCAAATCCCACA
TAT

+

[illegible]

@A00721:190:HGJW7DSXY:4:2570:4001:3662_1:N:0:TCTGCAAG+GCTGCACT
CACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTG
TCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTAT
CGA

+

[illegible]

@A00721:190:HGJW7DSXY:4:1233:5240:16705_2:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAA
GGAAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGA

+

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFF,FFFF:FFF,FFFFFFFFFFFFFFFF:FFFFFF,FFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFF:FFF:FFFFFF

```

@A00721:190:HGJW7DSXY:4:1318:2492:15013_2:N:0:TCTGCAAG+GCTGCACT
GAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTT

+

@A00721:190:HGJW7DSXY:4:2121:31222:35963_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCTTTTTGAGTATCGACAGATCTTTCGATCTT

+

@A00721:190:HGJW7DSXY:4:2308:18909:12383_2:N:0:TCTGCAAG+GCTGCACT
GTGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAAC
TACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTT

+

@A00721:190:HGJW7DSXY:4:2566:9869:25629_1:N:0:TCTGCAAG+GCTGCACT
TAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGG
CGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTT
GTC

 $+$

@A00721:190:HGJW7DSXY:4:1236:17381:13902_2:N:0:TCTGCAAG+GCTGCACT
GCGGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACG
CCGTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACA

+

@A00721:190:HGJW7DSXY:4:1239:32425:6856_2:N:0:TCTGCAAG+GCTGCACT
TTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATAT
TTGCAACCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAG

+

@A00721:190:HGJW7DSXY:4:2525:3405:32346_1:N:0:TCTGCAAG+GCTGCACT
GGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTAC
AAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTCT
TGA

+

@A00721:190:HGJW7DSXY:4:1166:19669:28604_2:N:0:TCTGCAAG+GCTGCACT
AATGCTTAAGAGAGAGATTGATGTATGTCATTCGTCTTAGTTTGTCCCGGCGAATTATTGGACACGA
TGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATG

+

@A00721:190:HGJW7DSXY:4:2335:16197:30044_2:N:0:TCTGCAAG+GCTGCACT
GGTTATTCTCACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACA
ATTGTTCCATTGTGAACCTCTTGGGGACTAGATTGAGCATTAATGAGTT

+

+

FFF:,FFF:FFFF

+

```
FFFFFFFF:FFFF:FFFFFFFFFFFFFFFF,FFFF:FFFFFFFF:FFFFFFFF
```

+

FFF

+

FFF

+

[illegible]

+

```

:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

```

+

```
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
```

+

```
FFFFFFFFFFFFFF:FFFF:FFFFFF.FFFFFFFFFF:F:FFFFFFFFF:F:FF
```

@A00721:190:HGJW7DSXY:4:2515:18123:5478_1:N:0:TCTGCAAG+GCTGCACT
CTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGCTTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGG

+
FF
FF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2134:30942:19664_2:N:0:TCTGCAAG+GCTGCACT
GACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCA
AATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTA
+
FF:FFFFF
FF
@A00721:190:HGJW7DSXY:4:1519:20030:13886_2:N:0:TCTGCAAG+GCTGCACT
ACTTGGGTTTATCGGTTGTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTAT
TACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGA
+
FFFFF:FF::FFFFFFFF:FFFFF:FFFFFFFF,FF:F:FFFF:F,FFFF:FF,F,FFFFFFFFFFFFF:
FFF:FFFFF,,FFFF,F:FFFFFFFFF,FFF,,FFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2565:22842:23140_2:N:0:TCTGCAAG+GCTGCACT
TTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGG
TAGTCAGTTTACTACTTTTCTTTCCCTCCCCTTTTTCGATTGGATTG
+
FFFFFFF,FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF,F:, :FFFFFF::FFFFFFFFFFFF
FF:FFFF:FFFFFFFFF:FFFFF,FFFFF:FF:FFF:FFFFFFFFF,
@A00721:190:HGJW7DSXY:4:1568:10782:16282_2:N:0:TCTGCAAG+GCTGCACT
TTGATAAGTTTTTCTTTTATGGGACTCTTGTTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCT
TAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTG
+
FFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1636:11858:33395_2:N:0:TCTGCAAG+GCTGCACT
TGTTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTA
TTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTTCGGGCTGTGGG
+
FFF:FFFFFFFFF:FFFFFFFFF
FF,FFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2442:12906:19429_2:N:0:TCTGCAAG+GCTGCACT
AAACTTACGACGATGTTCTCGCTCGCATTTCAACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAAT
TTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGTCGAA
+
FF
FFF
@A00721:190:HGJW7DSXY:4:2536:22679:20071_2:N:0:TCTGCAAG+GCTGCACT
GAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAAC
CGTCTCAGGAACTGTCTCCACTGATTGGAATTAGAGAAAGACGACCT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1340:26738:9878_1:N:0:TCTGCAAG+GCTGCACT
AGACCTCTGATTTTTAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCT
AAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGAACAA
GC
+
F,F,,F:F,F,FFFFFFFF:FF:F,FFFFFFFF:FFF::F,FFF:FFFFF:FFFFFF,FFF,F,F,FF:F
FF:FFFFFFFF,FFFFFFFF::FFFFFFFFF:FF:F::FFFFFF:,FFF:F:FFFFFFFFFFFFFFF,:FFF
FF

+

@A00721:190:HGJW7DSXY:4:1515:7988:12007_2:N:0:TCTGCAAG+GCTGCACT
ACTTACCAGCACGTTTCGGCTGGTTAGAATTAACCTCAAGATGACCCTGTTTTTGCATCACAAACACA
TATTACCGTTGCTCTATCACGACACGTTGAATCTTTAAGATACTTTGT

+

@A00721:190:HGJW7DSXY:4:1669:13096:33755_1:N:0:TCTGCAAG+GCTGCACT
TTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGTAACTGTCACGTTTAGCACGGGAGGTTGC
AGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTC
AAG

+

@A00721:190:HGJW7DSXY:4:2512:10872:15624_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACCACTTAACGTCCT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTC AAGTCGGTTGT

+

@A00721:190:HGJW7DSXY:4:1507:17074:13150_1:N:0:TCTGCAAG+GCTGCACT
GATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATC
ATCAGTCAGAGTATACCCGATAGGCTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAA
CTT

+

@A00721:190:HGJW7DSXY:4:1546:18991:5948_1:N:0:TCTGCAAG+GCTGCACT
CAACGGAAAGACATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGT
TTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGA
TTG

+

@A00721:190:HGJW7DSXY:4:2120:19443:12367_2:N:0:TCTGCAAG+GCTGCACT
CTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTAT
TTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAAACTTGATGCTTCA

+

@A00721:190:HGJW7DSXY:4:1567:5647:4570_2:N:0:TCTGCAAG+GCTGCACT
CCTATCTTTAAGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTACCCAACATTTTATGTATACAGA
GATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTCTCTTAGGAGG

+

@A00721:190:HGJW7DSXY:4:2212:2094:9471_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAAC

@A00721:190:HGJW7DSXY:4:1202:14552:20118_1:N:0:TCTGCAAG+GCTGCACT
CACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTTCATCGCAAC
CAGATGATATCTTCTATTCTGAACCTATGTTTCGATCAGTGTTTCTTCTATCAGGAGGAAAACACTTGT
TCT

+

FF:FFFFFF,FFFFFF:FFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1272:6578:19680_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTAATGTGGCCTGAACCTACGTTTCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTTGTCTTCC
TTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAATA

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,,FFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFF:FFFFFFFF,FFF::FFFFFF:F:FFFFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2270:3821:16783_1:N:0:TCTGCAAG+GCTGCACT
TCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGAC
CATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCAATGAAGTTTTAA
TGC

+

FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2318:19153:22294_2:N:0:TCTGCAAG+GCTGCACT
CTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGAT
GGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGG

+

FF:FF:FFFF:F:FFF,FFFFFFFF
FF:F:FFFF:

@A00721:190:HGJW7DSXY:4:1553:13268:8249_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTAACCATTTGACGATGTCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGGTCCTACTTTTGGACAAGGCCAATTTCGTAATCTTCATGAGATC

+

FFFFFFFFFFF:FF:FFFFFF
FFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2604:14461:23657_1:N:0:TCTGCAAG+GCTGCACT
TGTTAGGGATTTTGAAGAGTGAAAGGCTTCAATTGTAGTGTTTGGTCGTTTACGTACCCAGTCAGT
ATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATT
ATG

+

FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1672:10176:10379_1:N:0:TCTGCAAG+GCTGCACT
CTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGG
TGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTG
GTG

+

FF:FF:FF:FFFF:FFFFFFFF
FF,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2163:6750:9079_2:N:0:TCTGCAAG+GCTGCACT
AGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAC
AACTTTCAGTTTCACTGAAGGAGGAGGTTTCTGTACTGGAAAAC

+

@A00721:190:HGJW7DSXY:4:1445:21441:31360_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGG
AACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATT
CCG

+

[illegible]

@A00721:190:HGJW7DSXY:4:1212:30861:17613_1:N:0:TCTGCAAG+GCTGCACT
TTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAA
CGAGCTTGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACT
CTT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1456:27254:16438_1:N:0:TCTGCAAG+GCTGCACT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGT
TACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCCTACTCTGGCCTTGAT
GAG

+

[illegible]

@A00721:190:HGJW7DSXY:4:2220:32371:13182_2:N:0:TCTGCAAG+GCTGCACT
ATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCA
GGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGT

+

```
FF:::FFFFFFFFFFFFFF,FFFFF,:F::FF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFF
```

@A00721:190:HGJW7DSXY:4:2104:5394:36385_1:N:0:TCTGCAAG+GCTGCACT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAG
GTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTC
TCT

+

```

FFFFFFFF:FF,FFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF:FF
FFFFFF:FFFF,FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

@A00721:190:HGJW7DSXY:4:2149:26006:1376_1:N:0:TCTGCAAG+GCTGCACT
ACCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGAC
GTTGCTTGTCGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTG
TTC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1237:22064:13432_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCCGAGTTTCGTTTCGT
ACCTTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGT
GCG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF

FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1660:26829:4679_2:N:0:TCTGCAAG+GCTGCACT
GAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTGAAAGTTTGAGAACTTAGTTTACGAACTTGA
CTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGA

+
FF
FF

@A00721:190:HGJW7DSXY:4:1646:16875:17785_2:N:0:TCTGCAAG+GCTGCACT
CATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACTC
CTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACAT

+
FFF:FFFF:FFFFFFFF:FF,FFFFFFFF:F:FFFFFFFF,FF,FFF,FF:FFFF,FF,FF:FFFF
,FF,FFFFFFFF:FFFFFF,FFFF:FF,,FFF:,FFFF,:FFFF

@A00721:190:HGJW7DSXY:4:2344:31340:13495_1:N:0:TCTGCAAG+GCTGCACT
ACTCGAACTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTT
CGATAGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACG
AAG

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1107:7916:1924_1:N:0:TCTGCAAG+GCTGCACT
GTTTAAGAATACTATAAATAGAACTATTACTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTG
ACATCTGGTCAATTTCTGTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATACGTTA
ACA

+
FF,FFFFFFFF
FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFF:FF:FFFF:FFFFFFFF:FFFF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1202:13295:27899_1:N:0:TCTGCAAG+GCTGCACT
TAGAGTAGAATTCCTGAAGAGTCCTTCCGTAAACCACTTCTTGACAATTTTCTTCAATCCTTCGATAA
TAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAA
TTA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1215:17906:14434_2:N:0:TCTGCAAG+GCTGCACT
ATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGA
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTC

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:1139:2446:19727_1:N:0:TCTGCAAG+GCTGCACT
GATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTACATAATCG
CTGCATATTACGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTA
ACT

+
FF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1157:26738:26224_1:N:0:TCTGCAAG+GCTGCACT
TGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTGAGAGCTTAT

CTAGGTACTCTCATTTACTATGTTGATTTAGTCTACATTTATGCTGATCTAAAATTTGATCTAGATG
GAT

+

FFFFFFFFFFFFFF:FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2568:29894:7012_2:N:0:TCTGCAAG+GCTGCACT
GATTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAACCTCA
AAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAACTAACT

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1238:15103:4445_1:N:0:TCTGCAAG+GCTGCACT
TCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACAC
TAGTTCGAGTGCTGCTTTGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCA
ACA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1452:14940:7138_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAACTGAATAATGATGCACTACAAAC
AAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATA

+

FF:F
FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1223:12744:25473_2:N:0:TCTGCAAG+GCTGCACT
ATTCAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGG
TACGAATTGGTCCAACATTTACCACCAAATTTCTTTTGATACAACCTCTA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1644:24334:19586_2:N:0:TCTGCAAG+GCTGCACT
CGGAATACGCTTGCTATTACACGATTGGTTGCAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAA
GCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAA

+

FFFFFFFFFFF,FFFFFF:FFFF,,FFFFFF,F,FFF,FFF:FFFFFF,:FFFFFFFFFF:FF::FF
,FFFFFFF,:FFF:,F,:FFFFFF:,F,,FFF:FF,:FFFF:FFFF

@A00721:190:HGJW7DSXY:4:2445:32886:24095_1:N:0:TCTGCAAG+GCTGCACT
AATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTCTACTTA
CAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATGTTAATAGATAGTG
GGA

+

FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1324:24713:1423_2:N:0:TCTGCAAG+GCTGCACT
GAACGCGTTTCGTATAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTAACCGA
TAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAG

+

FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFF,F::FFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFF
,FFFF::FFFFFFFFFFFF:FF:FF,FFFFFF:FFFFFFF,F:FF:F

@A00721:190:HGJW7DSXY:4:1362:28230:6699_1:N:0:TCTGCAAG+GCTGCACT
GAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATA

@A00721:190:HGJW7DSXY:4:1203:26820:26052_1:N:0:TCTGCAAG+GCTGCACT
GCATACGAGATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGGAAGATCTCCCACC
ATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGG
CTT

+

```
:FF::F,,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF  
FFF
```

@A00721:190:HGJW7DSXY:4:2169:15365:7404_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTAT
GAGCAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

@A00721:190:HGJW7DSXY:4:1356:19587:4695_1:N:0:TCTGCAAG+GCTGCACT
CTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGAC
GAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTA ACTATGGGGCGAAGAT
CCC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1641:8386:6402_2:N:0:TCTGCAAG+GCTGCACT
AGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCCTTAAGCACCGAGGTAAGCTCGGGACTT
ACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCAGAATG

+

[illegible]

@A00721:190:HGJW7DSXY:4:2502:2727:4961_2:N:0:TCTGCAAG+GCTGCACT
GATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTTCTGGGAGGC
TGAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGAAGTGGAGGGGGGGG

+

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFF
FFFF:FFFFFFFF:FFFF,:FFF:FFFFF:,FF::F,F,F:FFF

```

@A00721:190:HGJW7DSXY:4:1207:27859:27164_1:N:0:TCTGCAAG+GCTGCACT
TCCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTTCTTTCTCCGTCATTGGGGATTT
CGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCAT
GAT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1351:2094:31391_1:N:0:TCTGCAAG+GCTGCACT
GCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATTAAGAGTCCAGCTGTA
ACTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAG
GAG

+

[illegible]

@A00721:190:HGJW7DSXY:4:1504:18005:9846_1:N:0:TCTGCAAG+GCTGCACT
CTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTAT

TTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCT
TTT

+

FFFFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2131:21893:6652_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2366:26142:32174_2:N:0:TCTGCAAG+GCTGCACT
GTGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAAC
TACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FF:FFFFFFFFFFFFFFFFFFFF,

@A00721:190:HGJW7DSXY:4:1144:18819:33802_1:N:0:TCTGCAAG+GCTGCACT
AGGGTCATGGCAGATACTACCGATAAGGTGAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGC
GGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTG
TC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FF

@A00721:190:HGJW7DSXY:4:1406:11342:32847_2:N:0:TCTGCAAG+GCTGCACT
GCGGCTTATTGTGCGCGAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACG
CCGTGCGAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACA

+

FF:FFFFF::FF,FF:F::FF::,FFFFFFFFFF:FF,FFFFFFFF,,,:FFF::,FFFF:FF::
FF:FFF:FFFF,FF:FFFFF,FFFFF,FFFF,,:FFFFFFFFF,,

@A00721:190:HGJW7DSXY:4:1406:7663:32456_2:N:0:TCTGCAAG+GCTGCACT
TTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAAACCTCCTTGAATGGAGTACATAT
TTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAG

+

FF:FFFF
FF:FFF:FF,F:FFF

@A00721:190:HGJW7DSXY:4:2572:25554:18693_1:N:0:TCTGCAAG+GCTGCACT
AACGTACCTACTCACGAGACGTCATGAAAGCTATCGAGAGGAAGCAAATGTTTCGTTCTGTTACAAG
AACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGA
TGA

+

::F,FFFF,F,FFFF::F:FFF,FFF::FFFF,F:FFFFFFFFF:FF:FF,FFFFFFFF:FFFFFF::
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FF:FFFFFFFFFFFFFFFF,FFFFFFFF:FFFF
FF:

@A00721:190:HGJW7DSXY:4:1311:21748:9032_2:N:0:TCTGCAAG+GCTGCACT
AATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCGCGCAATTATTGGACACGA
TGA AAAATGACATACCCGTTCTGACCTTGATCGTTATCCGTCATG

+

FF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2349:31937:15499_2:N:0:TCTGCAAG+GCTGCACT
GGTTATTCTCACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACA

$+$

+

+

+

+

 $+$ $+$

+

```

::FFFF:FFFFFFFF,FFFFFF:FF::FFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFF:F:FFFFFFFF

```

FF
FFF

@A00721:190:HGJW7DSXY:4:1541:31195:3912_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTTCAACACTTATCACCACCTTTTGAAGGAAAATAA
TTGGTGATGAAAATACGTATGTCGGTGGGGTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGT
TCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2574:3323:22686_2:N:0:TCTGCAAG+GCTGCACT
TTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTCGAAAACATCA
GGTTCTTGTACGATTCTTAAAAGAAGTTTATTAAAACTTCAGAGTCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1348:16947:19727_1:N:0:TCTGCAAG+GCTGCACT
GGTAGATAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGTAGAGGAGTTGA
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTAA
AAA

+

FFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1230:29794:2394_1:N:0:TCTGCAAG+GCTGCACT
CAATACCTTCCACTGAGTTCATCACCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACACT
GTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGATGG
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2514:20410:36652_1:N:0:TCTGCAAG+GCTGCACT
TAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCA
TAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCTGTT
GAC

+

FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2560:15826:3975_2:N:0:TCTGCAAG+GCTGCACT
AGTTAGATCATTTGTTTCAAGGAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTA
GGTCGACGGACTTTAGCAACTTTAGATAAATCTTTCCGGGCTCAATG

+

FFFFF:F:FF
F:FF

@A00721:190:HGJW7DSXY:4:2468:20419:26710_1:N:0:TCTGCAAG+GCTGCACT
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA
CTT

+

FFFFF:FFF,F:F,FFFF,FF,FF
FF:F:FFFF::F:F:FF:FFFF:FFFFFFF:F,FFFF:FFFF:FFFFFFFFFFFF,FFFFFFFFFFFF:,
FFF

@A00721:190:HGJW7DSXY:4:1126:18475:24095_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGG

+

FF,FF
F:FF:FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2350:18231:24612_2:N:0:TCTGCAAG+GCTGCACT
GACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCA
AATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCTTTCTCCTTTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1627:29387:19633_2:N:0:TCTGCAAG+GCTGCACT
ACTTGGGTTTATCGGTTGTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTAT
TACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGA

+

FF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1103:4218:3192_2:N:0:TCTGCAAG+GCTGCACT
TACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGT
AGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTTCGATTGGATTCTGA

+

FF,FFFFFF,FFFFFF,FFFFFF
FF:FFFF,FF,FFFFFF:FFF,

@A00721:190:HGJW7DSXY:4:2219:32181:26099_2:N:0:TCTGCAAG+GCTGCACT
TTGATAAGGTTTTCTTTTATGGGACTCTGTTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCT
TAATGTAGGTCTCCTAGTAATTAAGGGTTTATGTTTCGGTTTCAGCTG

+

F:FFFF,FFFFFF:FFFF:,F,F:FFFF,FF:FFFF:FF,FF,:FF:FFFF::FFFF,F,F
FFF:F,F::FFF,FFF:FF,:FFF,: ,FFFFFF:F:F:,FFF,F:,FF

@A00721:190:HGJW7DSXY:4:2147:20211:16986_2:N:0:TCTGCAAG+GCTGCACT
TGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTA
TTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTTCGGGCTGTGGG

+

FF
:FFFFFF:FF

@A00721:190:HGJW7DSXY:4:2442:13440:19194_2:N:0:TCTGCAAG+GCTGCACT
AAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAAT
TTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGTCGAA

+

FF:FFFFFF
FF,F,FFFFFF

@A00721:190:HGJW7DSXY:4:2649:22227:19194_2:N:0:TCTGCAAG+GCTGCACT
GAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAAC
CGTCTCAGGAAGTGTCTCCACTGATTCCGAATTAGAGAAAGACGACCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2517:24659:24408_1:N:0:TCTGCAAG+GCTGCACT
AGACCTCTTAATTTTCAAGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCT
AAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAA
GC

+
FFF,FF,F,:,FFFFFF::FFFFFF:FF,FFFFFF,FFF,:FF:FFFF,FFFFFFFFF:F,:FFFFFF
FFFFFF,FFFFFFFF,FF,FFFFFFFFFFFFFFFF,:F:FF,F:FF:FFF,:FF:FFFF:FF:F:FFF
:F
@A00721:190:HGJW7DSXY:4:2628:1154:34679_2:N:0:TCTGCAAG+GCTGCACT
ATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCC
AGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1422:2672:1329_1:N:0:TCTGCAAG+GCTGCACT
CAAGTTAACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCCAAA
AAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAACTGAATCCACTCTCT
TGG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2420:11288:1063_1:N:0:TCTGCAAG+GCTGCACT
AGAGTTTTGGAAGTGTGAATGTCTACGTACTGTTCAAGGTGTTGGGCTTCTCTAAAGAACAGCAA
CTTTCAACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATCACCTTGGAGATGGTA
AAG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2628:1624:24345_2:N:0:TCTGCAAG+GCTGCACT
AGACCTTTCTTGCGGAGTAAAGAGGGTTTGAATAACGGAACCTTCTCGTTCCTCATGAAGATCT
TCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2524:32208:4257_2:N:0:TCTGCAAG+GCTGCACT
AATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAACCTTATAGCGACTTT
TGTCGAATTTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTAA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2468:3694:10958_2:N:0:TCTGCAAG+GCTGCACT
TTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG
TATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACC
+
FF
FFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF:FFF:FF
@A00721:190:HGJW7DSXY:4:1401:7148:35415_2:N:0:TCTGCAAG+GCTGCACT
TTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGC
TTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCG
+
FF
:FFFFFFFF:FFFFFFFF:FFFFF,FFF:F::FFFF:FFFFFFFF:FFF:F
@A00721:190:HGJW7DSXY:4:1263:30282:23218_2:N:0:TCTGCAAG+GCTGCACT
CAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTGCTTCTTATCGAAGTCTCAG
TTATCGCTGCCGCGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGG
+

FF
FF
@A00721:190:HGJW7DSXY:4:2535:3830:9815_2:N:0:TCTGCAAG+GCTGCACT
CTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCAATTTGAGGACGGAGTTAAATATATTACT
TTCACCTCAAGGTGAAAAGTTTGAATTAACAAAGTCCTTGGTAAGAGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1646:10899:18865_2:N:0:TCTGCAAG+GCTGCACT
ACTTACCAGCACGTTTCGGCTGGTTAGAATTAACCTCAAGATGACCCTGTTTTTGCATCACAAACACA
TATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2159:17345:27586_2:N:0:TCTGCAAG+GCTGCACT
AAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAG
ATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1630:4535:32080_1:N:0:TCTGCAAG+GCTGCACT
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCACCTTAACGTCACCTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGAT
CGA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2440:15736:36855_2:N:0:TCTGCAAG+GCTGCACT
GGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGT
CAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCT
+
FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FF
@A00721:190:HGJW7DSXY:4:1314:7997:1877_2:N:0:TCTGCAAG+GCTGCACT
GTTTTCACAAACGAAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGA
ACGGTGTTTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGT
+
FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1170:31114:8469_2:N:0:TCTGCAAG+GCTGCACT
GCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAAT
GGTCAATATTGATAATTGACCGACTATATGACCTATTTTAAGCTCAT
+
FFF:FFFFFF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFF
,FF:FFFF::FFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1246:15754:6981_2:N:0:TCTGCAAG+GCTGCACT
CTAAGGTAAACTTGATGCTTCAGCCTTTTCAAGCATAACCCCGCACAGAATATCGTTTATCACGCA
AAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGG
+
FFFFF:FFFFF:,FFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:F,FFFFFF,F
FF:FFFFFFFF:FF:F,FFFF:F:FFFF,F:FFF::FFFF:F,F:F
@A00721:190:HGJW7DSXY:4:1639:15393:27618_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTC

TCTATTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTTCGAAGTTTGACAAATCTCAAG
ATT

+

FFFFFFFFF, :FF:F:FFFFFF, FFF:F, FFFFFFF:FFFFFF, , :FFFFFFFF::FFF, F:FFFF
:, F, FFFFFFF, :F:FFFFFF, FFFFF, FFFF, FFFFFFFFFFFFFFF:FFFFFFFF, :FFF:FFF
, FF

@A00721:190:HGJW7DSXY:4:2346:15148:29356_2:N:0:TCTGCAAG+GCTGCACT
AGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTGGAGTGCCA
GTGAATATTTTTGTACGCCAGGAGATCGGAAGAGCGTCGTGTAGGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1122:8495:4241_1:N:0:TCTGCAAG+GCTGCACT
TAACACATTCTTTGGTAATTGTATGATCACTCTTATGATGCTCTCTTTATTACGACCTTCGGAAGT
TTAGAGCCGTCGCTGTCGCCGAGACGATTGATCCTCTTTTCGGACGTACCGGTCCAGGATTATTCA
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2261:3233:28917_2:N:0:TCTGCAAG+GCTGCACT
CAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTAC
AAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2153:22950:32597_1:N:0:TCTGCAAG+GCTGCACT
TTTAAAGACTATAATAAATATCTCCACTACGAGGTTGTTGTTGGCTATTAGCTATTGCGACTAATAT
TCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATT
TTA

+

FF:FFF, :, F:FF, FFFFF:F, F, F:, FFF::F, FF:FFFF, FF:, :FF, F, F, FFF::F, F::F, F
FFF:F, FF, , F, F:, FFFFF:FF, FFF:F, F:FFF, FFF, F, FF, FFF, F, FF, F, FF:FFF:F::FF
FFF

@A00721:190:HGJW7DSXY:4:2646:10520:7341_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGATGCGGTTTCATAA
GATTATCAGTAATCCTGATTCTACTACGATTCATGGACCTTCCATCC

+

FF
FFFFFF:FF

@A00721:190:HGJW7DSXY:4:1669:12093:20556_2:N:0:TCTGCAAG+GCTGCACT
GACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTC
GGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCCCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1308:3649:31109_2:N:0:TCTGCAAG+GCTGCACT
ACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTC
TTTCTTCTTTGTTTCTTCTTTGCACTGATTTTCTCATCAGCTTGT

+

FFFFFFFFF:FF
, FF:FF::, FFFFF::FFFFFFFF:FFFFFFFFFFFF:FFFFFFFF, FFF

@A00721:190:HGJW7DSXY:4:2567:6912:12399_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTACGATAACAACATATCAGTTGATTAAGACTCTTCCGAAAGCGAACTTTGGGAATTTGAAGCT

CAGGGTGAAGCACAAACGTTTGACCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCT
CCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1331:10122:15765_1:N:0:TCTGCAAG+GCTGCACT
CACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTCAT
CGCAACCAGATGATATCTTCTATTGAACTTATGTTTCGATCAGTGTTTCTTCTATCAGGAGGAAAAC
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1305:14127:27680_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTAATGTGGCCTGAACTACGTTTCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTTGTCTTCC
TTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAATA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1134:31331:23500_2:N:0:TCTGCAAG+GCTGCACT
CGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATA
ATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCT

+

FF
:FF

@A00721:190:HGJW7DSXY:4:1449:32398:30702_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTGTGAATTTATACCTACAATCATTTGGTTTTTCTAATAATGATGACACTATT
GTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCT
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1553:5005:17832_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTAACCACTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1121:17273:20666_1:N:0:TCTGCAAG+GCTGCACT
TTAGGGATTTTGGAGAGAGTGAAAGGCTTCAATTGTAGTGTTTGGTCGTTTACGTACCCAGTCAGTAT
ACCTCTACGCAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTAT
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2668:6840:2785_1:N:0:TCTGCAAG+GCTGCACT
CTCTTTGCTTCGATGTTGGATGTCAAGTTGTTTTCAGAATTGGATTCTACGTAGTTTATGACTTTGG
TGTTGGTACTTTTCGATACTTCTATCGTATTACGTTACGGTAATTACTATAGTGTATTATTCTGGTG
GTG

+

FF:,FF,,FF,:FFF,FFF,,:F,,,::,,F,:,:FFF,,:,FF,,F,,,FFF:F,: :FF,FF:F,

F:FFFF,,F,FFF,FF::FFF,FF:F,FFF:FFF:,,:F,F,FF,F,:,:F,FF,F:FFFFFFFFF
FF,
@A00721:190:HGJW7DSXY:4:2310:9760:5838_2:N:0:TCTGCAAG+GCTGCACT
AGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAC
AACTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAAAAC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF:FFF
@A00721:190:HGJW7DSXY:4:1629:16016:25567_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGG
AACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTACCTGATT
CCG
+
FFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1425:14995:4006_1:N:0:TCTGCAAG+GCTGCACT
TTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGTAATTACACCTAAA
CGAGCTTGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACT
CTT
+
FFFFFFF:FF:FFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1477:26458:18223_1:N:0:TCTGCAAG+GCTGCACT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGT
TACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTCACTCTGGCCTTGAT
GAG
+
FF
FF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2502:10881:3615_2:N:0:TCTGCAAG+GCTGCACT
ATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCA
GGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGT
+
FF:,F,F::FFFFFFFFFFFFFFFF:FFFFF:FF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFF
FFF:F:FFFFFFFF::FFFFF:FFFFFFFFFFFF:::FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2133:14100:25097_1:N:0:TCTGCAAG+GCTGCACT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAG
GTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTC
TCT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2250:9616:9032_1:N:0:TCTGCAAG+GCTGCACT
ACCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGAC
GTTGCTTGTCGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGAACGAAGGCGACCTG
TTC
+
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:,FFFFFFFFF,FFF,FFFFFFFFF,FFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FF:FFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1453:13720:29418_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTGAAACGTCAACGTTACCGAGTTTCGTTTCGT
ACCTTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGT
GCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2204:12463:27305_2:N:0:TCTGCAAG+GCTGCACT
GAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTGAAAGTTTGAGAACTTAGTTTACGAACTTGA
CTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGA

+

FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2139:24279:33708_2:N:0:TCTGCAAG+GCTGCACT
CATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACTC
CTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2359:10077:17284_1:N:0:TCTGCAAG+GCTGCACT
ACTCGAACTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTT
CGATAGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACG
AAG

+

FFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1272:17490:30060_1:N:0:TCTGCAAG+GCTGCACT
GTTTAAGAATACTATAAATAGAACTAGCTATTACTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTG
ACATCTGGTCAATTTTCGTTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATACGTTA
ACA

+

F,:FFFFFF:FF
FF:FFFFFFFFFFFFFFFF,::FFFF:FFFFFFF,F:,F:FFFFFF:FFFF:FFF,FFF,F,FF::FF
,FF

@A00721:190:HGJW7DSXY:4:1619:32859:17159_1:N:0:TCTGCAAG+GCTGCACT
TAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAA
TAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAA
TTA

+

FF:F:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1525:12924:21997_2:N:0:TCTGCAAG+GCTGCACT
ATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTAGACTTTCCTACGA
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTC

+

,FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1154:31494:10066_1:N:0:TCTGCAAG+GCTGCACT
GATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTA
ACT

+
FFFFFFFF:FFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1363:29839:2910_1:N:0:TCTGCAAG+GCTGCACT
TGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTGATAGCTTAT
CTAGGTACTCTCATTTACTATGTTGATTTAGTCTACATTTATGCTGATCTAAAATTTGATCTAGATG
GAT
+
FF, FFF
FF, FFF
FFF
@A00721:190:HGJW7DSXY:4:2675:9254:19085_2:N:0:TCTGCAAG+GCTGCACT
GATTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAACCTCA
AAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAACTAACT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1251:24713:6277_1:N:0:TCTGCAAG+GCTGCACT
TCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACAC
TAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCA
ACA
+
FFF, FF:FFFF:FFFFFFFFFFFF:FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF, :FFFF:FF,
FFFFFFFFFFFFFFFFFFFF::FFFF::FFFF:FF::F:FFFFFFFFFFFFFFFF:FFFF, FFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1560:27995:17315_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAAC
AAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATA
+
FFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFF, FFFFFFF:F
@A00721:190:HGJW7DSXY:4:1512:16875:5415_2:N:0:TCTGCAAG+GCTGCACT
ATTCAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGG
TACGAATTGGTCCAACATTTACCACCAAATTCATTTGATACAACCTCTA
+
FF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2470:25120:4131_2:N:0:TCTGCAAG+GCTGCACT
CGGAATACGCTTGCTATTACCCAGATTGGTTGCAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAA
GCTTGTCTGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAA
+
FF, FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2326:31241:31798_2:N:0:TCTGCAAG+GCTGCACT
TGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACG
GAAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTT
+
FF: FFFFFFFF: FFFF
FFFF:FFFFFFFFFFFFFFFF, FFFFF:FFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1365:25979:20181_2:N:0:TCTGCAAG+GCTGCACT
GAACGCGTTTCGTATAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTAACCGA
TAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAG
+

@A00721:190:HGJW7DSXY:4:1541:28031:6417_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1369:14127:2942_1:N:0:TCTGCAAG+GCTGCACT
GCATACGAGATCTTGACAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGGAAGATCTCCCACC
ATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGG
CTT

+

FFF:FFF,F,:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2367:21432:6167_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCCTACTAT
GAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT

+

FF
FF
FFFF

@A00721:190:HGJW7DSXY:4:1529:2013:10394_1:N:0:TCTGCAAG+GCTGCACT
CTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGAC
GAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTATCCGCGCTTAAGTATGGGGCGAAGAT
CCC

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2128:3423:26146_2:N:0:TCTGCAAG+GCTGCACT
AGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCCTTAAGCACCGAGGTAAGCTCGGGACTT
ACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTTGGCCAGAATG

+

FF
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2366:14281:17644_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTAAAACCTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTTCTGGGAGGCT
GCTTCTCCTCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATAT
GGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1126:2944:24408_2:N:0:TCTGCAAG+GCTGCACT
ACACTTTTCTTGAAAATTTTCTTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGT
CAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1558:21169:16423_1:N:0:TCTGCAAG+GCTGCACT
GCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTA
ACTGTCATTTAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAG
GAG

+
F,F,:FFF,FFFF:::F,FFFF:FFFFF:F:,FFFFFF:FF,F:FFFFFFFFFFFF::FFFFFF,FFF:
F,FFF,FFFF,FFF:FFFF:FFFFFFFFFF,FF,F,:FFFFFFFFFFFF:FFFFFFFFFFFFF,F
FFF
@A00721:190:HGJW7DSXY:4:1504:19443:9768_1:N:0:TCTGCAAG+GCTGCACT
CTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTAT
TTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCT
TTT
+
FFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2227:18159:8265_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2461:9670:14450_2:N:0:TCTGCAAG+GCTGCACT
GTGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAAC
TACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FF
@A00721:190:HGJW7DSXY:4:1249:16767:17628_2:N:0:TCTGCAAG+GCTGCACT
TCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTT
GAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F:FFFF,FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1122:12310:25535_2:N:0:TCTGCAAG+GCTGCACT
CGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTGCGCAGTTTCCAGAATTGC
GGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCA
+
FF:FFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:2619:21124:27931_2:N:0:TCTGCAAG+GCTGCACT
TTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGCGATATTCGTT
TTCATATCCAAAACCTCCTGAATGGAGTACATATTTGCAACCCTATTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2604:22978:30545_1:N:0:TCTGCAAG+GCTGCACT
GATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGC
TATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGTTTGGATTGTGACCATAAAGCCTCAG
TTG
+
FF:FFFFFFFFFFFFFFFFFFFF
:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1656:1145:32597_1:N:0:TCTGCAAG+GCTGCACT
CTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTTCGTCTTAGTTT
GTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGT
CAT

+
FF
FFFFFFFFF:FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2636:24153:18239_2:N:0:TCTGCAAG+GCTGCACT
GGTTATTCTCACAAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACA
ATTGTTCCATTGTGAACTCTTGGGGACTAGATTGAGCATTAAATGAGTT
+
FF
FFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2627:1642:19993_1:N:0:TCTGCAAG+GCTGCACT
TCTCTAGTGGACAATTCAGAATACCTATTTCGGTACCAAGAGCCACTGCCAATCTCATCGCTATACGC
ATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAATTTTTCTCAAGAGATTATGGTTGATAA
AGT
+
:FFFFFFFF:FFFF:FFFFF,FFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2617:12391:32972_1:N:0:TCTGCAAG+GCTGCACT
CGGCATACGAGATCTTGCAGAGTGAAGTTCAGACGTGTGCTCTTCCGATCTGTTACGACATGGC
TTCGTAACAACAGTGCAGAGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTATATAGATACG
AGA
+
FFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2261:4237:6167_1:N:0:TCTGCAAG+GCTGCACT
AGGTGCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAA
CTTAACGTTAGTACCGGAGGTGATCTCTGCTTCTGCGTTACTGAGAGAAAAGATTACAGGACGCCTA
CG
+
FF
FF
FF
@A00721:190:HGJW7DSXY:4:2657:6470:7623_2:N:0:TCTGCAAG+GCTGCACT
TTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTG
AACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTT
+
FFFFF,:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF::FFF,FFF:
FFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFF:FFFFF:FFFF:F
@A00721:190:HGJW7DSXY:4:2629:12816:30953_1:N:0:TCTGCAAG+GCTGCACT
GATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATC
ATGGAGTCTTTGTACCTTATGTCAAACCTCGAGGTTGAGTACGAGAGGTGATCCCGGATGTGGATTG
AAG
+
FFF,:FFFFF,F,FF:F:,FFFFFFFFF,:F:FFF,FF,FFFFFFFF,FF:,FF::F:FF:F,:F:F,:
FF::F,F,F:FFFF::FF,FFF,FFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFF:F:FFFF
FF,
@A00721:190:HGJW7DSXY:4:2130:7292:22294_2:N:0:TCTGCAAG+GCTGCACT
CTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGT
TTTTAGATCTTCTTGATAATCTTAAAGAAAAATATTAGAATAAAATAA
+
FFFFF:FFFFF:FFFFF:FFF,F:F,FFFFF:,::FF,FFF:FF,:F:FFF:F,F::FFF,,FF,F
,:FFF,F:,:::,F,FF::,,FFF,FFFFF,,F,,FF:FFF,,FF

@A00721:190:HGJW7DSXY:4:2476:12744:33144_1:N:0:TCTGCAAG+GCTGCACT
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA
CTT

+

FF:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1372:30454:7545_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGG

+

FFFFFFFF:FFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF
FFFF:FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2671:28664:4946_2:N:0:TCTGCAAG+GCTGCACT
GACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCA
AATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTA

+

FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1628:31873:29919_2:N:0:TCTGCAAG+GCTGCACT
ACTTGGGTTTATCGGTTGTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGTTCTAT
TACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGA

+

FF
FF:F:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1103:4237:3192_2:N:0:TCTGCAAG+GCTGCACT
TACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGT
AGTCAGTTCACTACTTTTCTTTCCCTCCCCTTTTTTCGATTGGATTCTGA

+

FFFFFF:, ,FFFFFF:FFFF,FF:F:FFFFFF,, ,FFF:FFFF,FFFF,FFFF:F,FFFFFF:FF::F
F:FFFF:FFFF,F:FF,,F:FF,:FFF:FFFFFF:FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2253:25301:24330_2:N:0:TCTGCAAG+GCTGCACT
TTGATAAGTTTTTCTTTTATGGGACTCTGTTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCT
TAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTG

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFF:FFFFFF:FFFFFFFFF,

@A00721:190:HGJW7DSXY:4:2244:16966:8766_2:N:0:TCTGCAAG+GCTGCACT
TGTTTTACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTA
TTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTCTGGGCTGTGGG

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FF:FFF:F:FFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2502:31593:35540_2:N:0:TCTGCAAG+GCTGCACT
AAACTTACGACGATGTTCTCGCTCGCATTTCAACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAAT
TTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2649:22462:19194_2:N:0:TCTGCAAG+GCTGCACT
GAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGATACCGATCTCAGTTCTACCACAGAAAC

CGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCT
+
FFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFF,FFF:FFFFFF:FFF,FFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:2111:3803:35665_1:N:0:TCTGCAAG+GCTGCACT
GACCTCTGAATTTTCAGGGTGGCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTA
AGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAG
C
+
FFF:F,F,FFFF:F::FFFFFF::F:FF:FFF:::FFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFF:
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F
@A00721:190:HGJW7DSXY:4:1310:26793:23563_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCA
GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT
+
FFFFFFFFFFFFFF:FF
F:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1520:25970:5008_1:N:0:TCTGCAAG+GCTGCACT
CAAGTTAACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCCAAA
AAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAACTGAATCCACTCTCT
TGG
+
FFF,F,FFFFFF:::FF::,F,FFFF:F,FF:FF,,:FFFF:F,,,FFFFFF:,F:FFFFFF:,
FFF:FFFF,,F,,,FFFFFF:F:,,,FFF,FFFFFF,F,F,,:F:F:F::FFF,,::,F,FF:F::,F
FFF
@A00721:190:HGJW7DSXY:4:1506:25120:6386_2:N:0:TCTGCAAG+GCTGCACT
TTTGAAGTGTGTAATGTCCTACGTACTGTTCAAGGTGTTGGGCTTCTCTAAAGAACAGCAACTTTC
AACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2635:16613:13479_2:N:0:TCTGCAAG+GCTGCACT
AGACCTTCTTGGGGAGTAAAGAGGGTTTGGAAATTACGGAACCTTCTCTCGTTCTTCATGAAGATCT
TCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGA
+
FF:FFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2642:17734:8688_2:N:0:TCTGCAAG+GCTGCACT
AATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAACCTATAGCGACTTT
TGTCGAATTTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTAA
+
FFFFFFFFFFFFFFF,:FFF
FF
@A00721:190:HGJW7DSXY:4:2631:2754:11115_2:N:0:TCTGCAAG+GCTGCACT
TTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG
TATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACC
+
FFFFFFFFFFFFFFFFFFFF:FFFFFF:FF
FFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1514:9833:3020_2:N:0:TCTGCAAG+GCTGCACT
TTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCTTTTTCTTACACATCTACTTAAGCGGGC
TTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCG
+

[illegible]

$+$

@A00721:190:HGJW7DSXY:4:2302:15899:21230_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTC
TCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCTCAAG
ATT

 $+$

@A00721:190:HGJW7DSXY:4:2417:19162:24408_2:N:0:TCTGCAAG+GCTGCACT
AGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGACTTTCTTGAACCTTTGGAGTGCCA
GTGAATATTTTTGTACGCCAGGAGATCGGAAGAGCGTCGTGTAGGGA

+

@A00721:190:HGJW7DSXY:4:1376:25328:7592_1:N:0:TCTGCAAG+GCTGCACT
TAACACATTCTTTGGTAATTGTATGATCACTCTTATGATGCTCTCTCTTTATTACGACCTTCGGAAGT
TTAGAGCCGTCGCTGTCGCCGAGACGATTCGATCCTCTTTTCGGACGTACCGGTCCAGGATTATTCA
GAT

+

@A00721:190:HGJW7DSXY:4:2353:3106:27383_2:N:0:TCTGCAAG+GCTGCACT
CAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTAC
AAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTA

+

@A00721:190:HGJW7DSXY:4:2315:13187:32252_1:N:0:TCTGCAAG+GCTGCACT
TTTAAAGACTATACTAAATATCTCCACTACGTGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATAT
TCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATT
TTA

+

@A00721:190:HGJW7DSXY:4:1378:10845:5181_2:N:0:TCTGCAAG+GCTGCACT
TGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAATTTTGATGCGGTTTCATAAGA
TTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTG

+

@A00721:190:HGJW7DSXY:4:2105:8938:24330_2:N:0:TCTGCAAG+GCTGCACT
GACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTC
GGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCCCAA

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

[illegible]

GTTGCTTGTGCGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTG
TTC

+

FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1622:32931:35321_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTGAAAGTTCACCGAGTTTCGTTTCGT
ACCTTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGT
GCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2224:31575:4507_2:N:0:TCTGCAAG+GCTGCACT
GAGTATTGCTATTTATACGTTACGAGAAGAAGGTTGAAAGTTTGAGAACTTAGTTTACGAACTTGA
CTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2273:26530:32690_2:N:0:TCTGCAAG+GCTGCACT
CATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACTC
CTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2502:17499:7686_1:N:0:TCTGCAAG+GCTGCACT
ACTCGAACTCTAAGTGGTAATACTGTCTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTT
CGATAGGGGACATTTTATCGTGGGCTTTCGTAAGAAGATCTGTTATCGACGTTTATCGTTTACG
AAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1647:16640:15624_1:N:0:TCTGCAAG+GCTGCACT
TAAGAATACTATAAATAGAATAGCTATTACTACTAATGGCGTTGGCCTAGTGATGTTATTAGTGACA
TCTGGTCAATTTCTGTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGAGATCGGAAGA
GCA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1149:26784:1908_2:N:0:TCTGCAAG+GCTGCACT
TTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATC
TACGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAG

+

FFFFFFFFFFFF:FFFFFFFF:FF
FFFFF::FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2412:5394:26177_2:N:0:TCTGCAAG+GCTGCACT
TAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTAC
TTAGACTATCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTA

+

FFF,FF:FFFF,,FFF:FFFFFFFFFFFFFFFF:F:F:FF:,FF:,F,FFFF,F::FF:FFF,FFF
F:FFFF,FFFFFFFF:FF,,FF::FFFF:FFFF,FFFF,FF:::

@A00721:190:HGJW7DSXY:4:1221:3396:11663_2:N:0:TCTGCAAG+GCTGCACT
AAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATA
ATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2130:24668:4194_1:N:0:TCTGCAAG+GCTGCACT
TGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTAGAGCTTAT
CTAGGTAATCTCATTACTATGTTGATTAGTCTACATTTATGCTGATCTAAAATTTGATCTAGATG
GAT

+

: ,FFF:FFFFFFFF: ,FFF, :FFFF:F:FFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1319:17508:24455_2:N:0:TCTGCAAG+GCTGCACT
TTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAACCTCAA
AGTTACGTGTTTACAGAAACGAGATCACACATTATGATAACTAACTAT

+

F,FFFFFFFFFFFFFFFF:FFF:F,F,:FFFF,FFFF,F,FF,FF,:FFF,F,FFFF,FFFFFFFF
F,,,F,,F:FFFFFF,,FFF,F:F,,F:FFFF,,,F,FFF,FF,FF,

@A00721:190:HGJW7DSXY:4:1371:27299:28541_1:N:0:TCTGCAAG+GCTGCACT
TCTCTTCTTATAATAAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACAC
TAGTTCGAGTGCTGCTTTGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCA
ACA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1569:2917:16438_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAAC
AAGTATCGCTAATCATCTGAAAAGGCTCTAAAGGACACTATACAATA

+

FF
FF:

@A00721:190:HGJW7DSXY:4:2430:32940:16235_2:N:0:TCTGCAAG+GCTGCACT
ATTCAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGG
TACGAATTGGTCCAACATTTACCACCAAATTTCTTTGATACAACCTCTA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FF:FFFFF

@A00721:190:HGJW7DSXY:4:1113:19714:16376_1:N:0:TCTGCAAG+GCTGCACT
ATACGCTTGCTATTACACGATTGGTTGCAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTT
GTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTGAAT
TTA

+

FFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFF,FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2424:2031:36010_2:N:0:TCTGCAAG+GCTGCACT
TGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACG
GAAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTT

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

CGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTTAA

+

FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1635:30201:33223_1:N:0:TCTGCAAG+GCTGCACT
AGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTC
TATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT
AGC

+

FFF,FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
,FF

@A00721:190:HGJW7DSXY:4:1448:3812:10441_2:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAACCTCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAA
AGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACT

+

FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2111:4562:14246_1:N:0:TCTGCAAG+GCTGCACT
AATAAAAATACTTCAAGTACCTGAACCTTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAG
AACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAG
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1311:23493:14810_2:N:0:TCTGCAAG+GCTGCACT
TTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTT
TAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATT

+

FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:,FFFFFFFFF:FFFFFFFFFFFF:FFFFFF:F

@A00721:190:HGJW7DSXY:4:2122:11252:34475_1:N:0:TCTGCAAG+GCTGCACT
GGGAGAATGAAGTCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTT
TGTATAAATTTATATGATTTTATATATATATACCACATATATATATATAAAATCCTATAAATTTGT
ACA

+

F:FF,FFF:F,F:,FFF,F,FFF::F,FF,,:F,FF:F::F:F,, ,FFFFFFFF,F:,,, ,FFF,FFF
F,FF,FFFFFFFF::,FFFF:,FFFFFFFF:F:FF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1362:22399:29042_2:N:0:TCTGCAAG+GCTGCACT
TACACTCCCCAAACATAACATAACCTACCATGACCAATCATCGCTCCAAGTGGCACGCCAGAC
GTAGGGTCAAACCTACTACCGCCTGTGCGCAGATCGGCACCACTGGTC

+

FF:F
FF

@A00721:190:HGJW7DSXY:4:2474:7527:14058_2:N:0:TCTGCAAG+GCTGCACT
ACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGA
CGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCA

+

FFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2432:12210:22357_2:N:0:TCTGCAAG+GCTGCACT
GTAACATTGACGGCAGTCCCGTCATCTCTGTGGGAAGTGAAGCAGTACCTCAGTCAAAGTCACATTC

+

@A00721:190:HGJW7DSXY:4:1549:21612:10958_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACAAGAACAACCTCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

@A00721:190:HGJW7DSXY:4:1147:2031:12493_1:N:0:TCTGCAAG+GCTGCACT
AAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCA
TCTGGGGTTGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGC
TT

+

@A00721:190:HGJW7DSXY:4:2376:15483:2848_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTAT
GAGCAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT

 $+$

@A00721:190:HGJW7DSXY:4:1573:23583:18474_1:N:0:TCTGCAAG+GCTGCACT
CTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGAC
GAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTA ACTATGGGGCGAAGAT
CCC

+

@A00721:190:HGJW7DSXY:4:2240:18683:18035_2:N:0:TCTGCAAG+GCTGCACT
AGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCTTAAGCACCGAGGTAAGCTCGGGACTT
ACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATG

+

@A00721:190:HGJW7DSXY:4:2451:13883:4022_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTTAAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACCTGGTTCTGGGAGGCT
GCTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCACATAT
GGT

+

@A00721:190:HGJW7DSXY:4:1250:19479:11647_2:N:0:TCTGCAAG+GCTGCACT
ACACTTTTCTTGAAAATTTTTCCTTTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGT
CAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGAT

+

[illegible]

FFFFFFFF,F:FFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2103:19840:6042_2:N:0:TCTGCAAG+GCTGCACT
GCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCGCGAATTATT
GGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTAT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1364:24026:4022_1:N:0:TCTGCAAG+GCTGCACT
GGTTATTCTCACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACA
ATTGTTCCATTGTGAACCTCTGGGGACTAGATTGAGCATTAAATGAGTTCGAATAACTCGTAATAAAT
CTT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1140:11433:12242_1:N:0:TCTGCAAG+GCTGCACT
ATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGA
AGAAGCGAGGTTCTGTTCTCAATAAAAATTTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATA
AGG

+
FF
FF
:FF

@A00721:190:HGJW7DSXY:4:1178:17933:7404_2:N:0:TCTGCAAG+GCTGCACT
ACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAAC
AACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2210:15203:2863_1:N:0:TCTGCAAG+GCTGCACT
GAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACAC
GTTATGCTCGAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG
ATT

+
FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2114:26323:36151_2:N:0:TCTGCAAG+GCTGCACT
ACGGTGACTTTATGGACAAGATGCGAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTAGTAGGT
GATCTTGACGTCGATTCTTTGTATAGGGAGTGAGAGAAGACAACGAAT

+
:FF,F,FFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1159:10004:3975_1:N:0:TCTGCAAG+GCTGCACT
GAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGT
TCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTT
CAG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1650:28248:30342_2:N:0:TCTGCAAG+GCTGCACT
GATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTG

GGTTGAGAAGTGTGCTTTACAAGGAGAGATCGGAAGAGCGTCGTGTAG
+
FF
:FF
@A00721:190:HGJW7DSXY:4:1548:29894:11365_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTA
CGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGGTATTTCTGAAA
+
FFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF::FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1314:6488:2707_2:N:0:TCTGCAAG+GCTGCACT
CGTCATTTTCCTTTGGGATCTTCTCTGTAAGGGAATTATTAATCATTCTTCTCACTCTTGACGA
GAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGG
+
FFFFFFFFFFFFFFF:FF
FFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1410:24731:28510_2:N:0:TCTGCAAG+GCTGCACT
TGATGTTTTCTACAGAGTGCAGTCGTTTCAAACTTATAACCACTTTTGAAAGGAAAATAATTGGTG
TTGTAAATAAGTATGTCGGTGGGGTTATCAAGGCTCTCATCGCCACAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,::FF,FF,FFF,F:FFF,,FF,FFF,FFFF:FFF:F:F:,
,,,,FF,FF,::F:FF,FF,F:FF,F,:F:F,F,FF,,,FF:,FFF,F
@A00721:190:HGJW7DSXY:4:1609:3369:8202_2:N:0:TCTGCAAG+GCTGCACT
GGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCT
TAAGTAATTTGGATGTTGTGCGAAACTATCAGGTTCTTGTACGATTCT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1111:27769:13166_2:N:0:TCTGCAAG+GCTGCACT
TTAAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGG
AAAAGAGACCTCTGTTGTAGAGGAGTTGAGAGAATTACTCAGATTCAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF,F,FFFFFFFFFFFFFFFFFFFFFFFF
F:FF
@A00721:190:HGJW7DSXY:4:1259:12255:28667_2:N:0:TCTGCAAG+GCTGCACT
ACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCA
TCACCCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCACACTG
+
FFF:FFFFF:FFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFF
@A00721:190:HGJW7DSXY:4:1243:31810:13088_2:N:0:TCTGCAAG+GCTGCACT
TCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGG
AGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF,FFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,F
@A00721:190:HGJW7DSXY:4:1619:5267:27806_2:N:0:TCTGCAAG+GCTGCACT
GGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTAT
AGTTGGCGTCTTGTCTGACGTCATTACAGTCTGGAAGTTAGATCAT
+
F:FFFFFFFFF:FFFFFFFFFFFFFFFFF:F:FFFFF::FFFFF,FFFFFFFFFFFFF:FFF:FF,
FFFFF:F::FFFFF:FF:FF:FFFFFFFFF,FFFFFFF,,:F:F:FFF
@A00721:190:HGJW7DSXY:4:2575:23773:13260_2:N:0:TCTGCAAG+GCTGCACT
CGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGGAAGTTAGCAACTTTAGATAAATTCTTTCCGG

GCTCAATGACCTTTGCTATGTACGTGGATCTAATCCTTGGTGATCTGA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2150:7862:31516_2:N:0:TCTGCAAG+GCTGCACT
TATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTACAAAGGCGTTACGTAAA
GTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCACTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2573:17761:25520_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGG
+
FFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FF
:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2671:28980:4993_2:N:0:TCTGCAAG+GCTGCACT
GACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCA
AATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTA
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1649:10212:28917_2:N:0:TCTGCAAG+GCTGCACT
ACTTGGGTTTATCGGTTGTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTAT
TACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGA
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1309:18285:6668_2:N:0:TCTGCAAG+GCTGCACT
TACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGT
AGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTCGATTGGATTCTGA
+
FFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,F
@A00721:190:HGJW7DSXY:4:2274:9498:34037_2:N:0:TCTGCAAG+GCTGCACT
TTGATAAGTTTTCTTTTATGGGACTCTGTTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCT
TAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTG
+
FF:FFFFFFF
FFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1370:1380:21668_1:N:0:TCTGCAAG+GCTGCACT
TTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTA
TGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTGCGGCTGTGGGGATTAACTTCCCTCGTGAACTT
ACG
+
F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:
FF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1313:30789:3803_1:N:0:TCTGCAAG+GCTGCACT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCAT
GAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAAC
GGA

FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2256:24243:22905_2:N:0:TCTGCAAG+GCTGCACT
AGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCT
TG TGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGT
+
FFF, FFFFFFFFFFFFFFFFFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:1443:26386:36323_1:N:0:TCTGCAAG+GCTGCACT
ACTCTGAGACTTCTAAGAGTGTTC AAAAGACCAGAAACGTAAACAAGAATAAAGGTAGGAAGGGG
AGAAAACAGAACAAAGCGAGCGGTTGAAGAGAAAACTGATATGGTTGCGGCTGATCGTACCCCAATTCC
TGC
+
: FFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFF
F: FFFFFFFFFFFFFFFFFFFFFFFFFF: : FFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2535:17020:27273_1:N:0:TCTGCAAG+GCTGCACT
TCTCGGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCTTTTGGTGATTTTTATCAAAGAGA
AAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACC
ACT
+
FFF: FFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFF
FFF: F
FFF
@A00721:190:HGJW7DSXY:4:2472:24279:9533_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGTACCGCAACATGGATCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCG
CCTCCAGATTACTCTAAACTGAATCCACTCTCTTGGGATATAAATGAG
+
FFF
FFF: F
@A00721:190:HGJW7DSXY:4:1569:10068:29794_2:N:0:TCTGCAAG+GCTGCACT
TTTGAAGTGTGTAATGTCCTACGTACTGTTCAAGGTGTTGGGCTTCTCTAAAGAACAGCAACTTTC
AACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATC
+
FFF
FFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2635:16721:13542_2:N:0:TCTGCAAG+GCTGCACT
AGACCTTTCTTGGGGAGTAAAGAGGGTTTGAAAATTACGGAACCTTTCCTCGTTCTTCATGAAGATCT
TCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGA
+
: FFFFFFFFFFFFFFFFFFFFFF: F: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFF: FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1512:29324:16141_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAACTTATAGCGACTTTTGT
CGAATTTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCG
+
FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF, FFFFFF: FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1146:19217:1673_2:N:0:TCTGCAAG+GCTGCACT
CACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTG

FFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2263:10294:14685_2:N:0:TCTGCAAG+GCTGCACT
CTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAAC
AATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAAT
+
FF:FFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2604:25753:31125_1:N:0:TCTGCAAG+GCTGCACT
ATATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCG
AAGCATAACCCCGCACAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGACCTATCTT
TAA
+
FF:FFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2308:29423:25989_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTC
TCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCTCAAG
ATT
+
FF:FFFFF
FFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1158:24560:13369_1:N:0:TCTGCAAG+GCTGCACT
GATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATT
TTTGTACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGAACG
GCC
+
FF:FFFFF
FF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2469:6334:28651_2:N:0:TCTGCAAG+GCTGCACT
TGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTGG
TTGTGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTG
+
FF:FFFFF
FF:FFFFF
@A00721:190:HGJW7DSXY:4:2369:3369:2566_2:N:0:TCTGCAAG+GCTGCACT
CAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTAC
AAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTA
+
FFFFF:FF
FF:FFFFF
@A00721:190:HGJW7DSXY:4:2556:29234:18646_1:N:0:TCTGCAAG+GCTGCACT
TTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATAT
TCGATATTCGATTGAGGGTCGTTATACCTATTCGCTATCTGTGCTTTGAATTGTATAAGATCAAATT
TTA
+
FFFFF:F,FFFFFFFFF:FFFF:F:FF:F,FFFFFFFFFFFFFFFF:FFFF:F:F::FFF,F,FFFFFF
FFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF:F,,FFFF
FFF
@A00721:190:HGJW7DSXY:4:1524:30101:16110_2:N:0:TCTGCAAG+GCTGCACT
TGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGATGCGGTTTCATAAGA

TTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTG
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2256:4345:8923_2:N:0:TCTGCAAG+GCTGCACT
GACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTC
GGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCCCAA
+
FFFFF,F:FFFFFFFFFFFF,FFFFFFFFF,FFFF:FF:FFF::FFFFF:FFFFF:FFFFFFFFF
,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFF,:FFF
@A00721:190:HGJW7DSXY:4:1635:6858:18912_2:N:0:TCTGCAAG+GCTGCACT
ACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTC
TTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCTCATCAGCTTGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:::
F:FFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1405:22363:11381_2:N:0:TCTGCAAG+GCTGCACT
TTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGCGCAACTTTGGGAATTTGAAGCTCA
GGGTGAAGCACACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCT
+
FF,FFFFFFFFFFFFFFFFFFFF,FFFF
:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1336:15628:24424_1:N:0:TCTGCAAG+GCTGCACT
ATACTCTCCTTGAGTTCACTCGTAAGGACACTACCATTATTACGATATTTCTTTAGTCGATGGGTTT
TCGACTCCTTTAAGCGTCTTCTGTTTCATCGCAACCAGATGATATCTTCTATTCGAAGTTATGTTTCGA
TCA
+
FFFFFFFF,:FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF:FFFFFFFFFFFFFFFF
:FFFFFFFF:FFF:F:,FFFFF,FFFFFFFF:FF:FFFFF,F:FFFFFFFFFFFFFFFFFFFF,FFFF,FFFF:F
FFF
@A00721:190:HGJW7DSXY:4:1376:26657:23547_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTAATGTGGCCTGAACTACGTTTCACTTTGTGTGTAAGTCTCTATTTTAAAGTTTTGTCTTCC
TTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTA
+
:F,FFFFFFFF:FFFFFFFFFFFFFFFF,FFFF,FFFFFFFF:F:F:FFFFFFFFFFFFFFFF:FFFF,FF
FFF:,FFFF:FF,FFFF:FF:FFFFF:F,FFFFFFFFF,FFFFFFF
@A00721:190:HGJW7DSXY:4:1242:30246:25441_2:N:0:TCTGCAAG+GCTGCACT
CGACAACAGCAGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGCAGCAGCATGACCATA
ATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCT
+
FF:F:FFFFFFF,FFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2361:31494:6183_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTGTGAATTTATACCTACAATCATTTGGTTTTCTAATAATGATGACACTATT
GTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGAGGATTCTCAGTTTACAAGGACCT
TAA
+
FFFFFFF:F:FFFFFFFFFFFF:FF
F:FF
FFF
@A00721:190:HGJW7DSXY:4:1566:26756:10598_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTAACCATTGTACGATGTGCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATC
+

FF
FFFFF:FFFFFF::FFFFFFFFFFFFFFF:F:FFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1224:7997:1532_1:N:0:TCTGCAAG+GCTGCACT
TTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTAT
ACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTAT
GAA
+
F,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2234:10375:16924_2:N:0:TCTGCAAG+GCTGCACT
TCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGT
GGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTAT
+
FF,FF:FFFFF,FFF:
FF::F,F
@A00721:190:HGJW7DSXY:4:1464:8160:23547_1:N:0:TCTGCAAG+GCTGCACT
ATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCC
GCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAAT
ACT
+
FF
FF:FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:2277:11143:4633_1:N:0:TCTGCAAG+GCTGCACT
TCTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGT
TATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAG
GGG
+
FFF:FF
FF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1515:16423:2848_2:N:0:TCTGCAAG+GCTGCACT
TGCTGAAACAGCTATTAAAGCTGTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTG
AAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCT
+
FFFFFFFFFFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1647:8296:27132_1:N:0:TCTGCAAG+GCTGCACT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGT
TACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTAT
GAG
+
:FF
FFFFFFFFFFFFFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:1432:28637:2206_2:N:0:TCTGCAAG+GCTGCACT
CGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGG
TGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTAT
+
FF:FFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2411:19976:10410_1:N:0:TCTGCAAG+GCTGCACT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAG

GTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTC
TCT

+

F,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1140:8305:3881_1:N:0:TCTGCAAG+GCTGCACT
CCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACG
TTGCTTGTGCTTCCTCTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGT
TCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2333:16830:6903_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTTACCGAGTTTCGTTTCGT
ACCTTGATGCTGACTTTCGTCATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGT
GCG

+

FFFF,FFFFFFFF:FFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF
FF,FF::FF,F:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2351:30951:2143_2:N:0:TCTGCAAG+GCTGCACT
GAGTATTGCTATTTATACGTTACGAGAAGAAGGTTTCAAGTTTGAGAACTTAGTTTACGAACTTGA
CTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGA

+

FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF:,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2616:15492:32456_2:N:0:TCTGCAAG+GCTGCACT
CATGAATTTTCAGAGGATGAAAATTTTCTTCTTGATTTTAAATATAAAGAATCTTTACCAGGACTC
CTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACAT

+

FF:FFFFFFFF
FF,FFFF:

@A00721:190:HGJW7DSXY:4:1142:20021:8484_2:N:0:TCTGCAAG+GCTGCACT
CGAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGA
TAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCG

+

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF,FFFFFFFF:F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F,FFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1142:20021:8484_1:N:0:TCTGCAAG+GCTGCACT
ACCGGTGAATGGTTTAAAGAATACTATAAATAGAACTATTACTACTAATGGCGTTGGCCTAGTGGA
TGTTATTAGTGACATCTGGTCAATTTCTTTTTAGGTGGTCTTTATTCTATTATTGATTTTATGAGA
TTG

+

FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1152:24722:13651_2:N:0:TCTGCAAG+GCTGCACT
TGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAAACCACTTCTTGACAATTTCTTCAATCCTTCGA
TAATAGTTAAATCTAGGATTATGTCTGTGTGAAAGACTTTCTACCGA

+

FFFFF:FFFFF:F:FFFFFFFFFFFFFFFF,::FFFF,FF:FFFFFF:,FFFFFFFF:FFFFF
FFFFF:FF,::F:FFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFF

$+$

@A00721:190:HGJW7DSXY:4:1559:21296:3803_2:N:0:TCTGCAAG+GCTGCACT
AAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATA
ATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGCGAG

+

@A00721:190:HGJW7DSXY:4:1131:23032:7748_1:N:0:TCTGCAAG+GCTGCACT
AAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTGATAGAGCTTATCT
AGGTACTCTCATTTACTATGTTGCTTTAGGCTTCAGTGCTGCTGATCGAAAATTTGATCTAGCTGGA
TCC

+

@A00721:190:HGJW7DSXY:4:1509:10330:27085_2:N:0:TCTGCAAG+GCTGCACT
TTTACAACGATATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAACCTCAA
AGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAACTAACTAT

+

@A00721:190:HGJW7DSXY:4:1440:27037:22138_1:N:0:TCTGCAAG+GCTGCACT
TCTCTTCTTATAATAAAATAAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACAC
TAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCA
ACA

 $+$

@A00721:190:HGJW7DSXY:4:2105:15890:12446_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAAC
AAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATA

+

@A00721:190:HGJW7DSXY:4:2505:10185:11835_2:N:0:TCTGCAAG+GCTGCACT
ATTCAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGG
TACGAATTGGTCCAACATTTACCACCAAATTCCTTTGATACAACCTCTA

+

@A00721:190:HGJW7DSXY:4:1329:7780:20353_1:N:0:TCTGCAAG+GCTGCACT
ATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAGCTT
GTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGTTTTGAAT
TTA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2557:2437:1736_2:N:0:TCTGCAAG+GCTGCACT
TGGGTGATAAAATTATTTAGAGATCTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACG
GAAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTT

```
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF
```

@A00721:190:HGJW7DSXY:4:2351:32678:13745_2:N:0:TCTGCAAG+GCTGCACT
GAACGCGTTCGTATAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTAACCGA
TAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAG

[illegible]

@A00721:190:HGJW7DSXY:4:1654:29785:28213_1:N:0:TCTGCAAG+GCTGCACT
GAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATA
TAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCTTGGCTTTC AACGAAGTCTCTGATTTTATTA
ATC

```

FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

@A00721:190:HGJW7DSXY:4:2170:19840:19069_1:N:0:TCTGCAAG+GCTGCACT
GATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAA
TGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACT
AT

[illegible]

@A00721:190:HGJW7DSXY:4:1409:5773:35446_2:N:0:TCTGCAAG+GCTGCACT
TTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCACTCTTCGTTACGAGACCTGATGGT
AGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTT

[illegible]

@A00721:190:HGJW7DSXY:4:2523:25201:17425_1:N:0:TCTGCAAG+GCTGCACT
ACACTAATATATAATCCGCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTA
GATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACC
TT

[illegible]

@A00721:190:HGJW7DSXY:4:2136:13856:26083_1:N:0:TCTGCAAG+GCTGCACT
TACTTATTGTAACGATCATTCTTTCGAGTTTTGTCATTCTTATTCTTTTATTCTTTAACTGTGTATG
AGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATC
TTT

```
+
FFFFFFFFFFFFFF,FFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFF
FFFF:F:F:FFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

@A00721:190:HGJW7DSXY:4:2269:8124:18317_1:N:0:TCTGCAAG+GCTGCACT
GAAATGGTTTCAAATGAGTCAAAGCTCTATTTATTAACGAAGCTATTATCCGATTCTTCGAGGGTA
TCACTACCACTGATCTGCCGACTTTAGTCAAGGAAGCTTCAATTCCTTCGATGTTTATATTTTCTATA
AGG

+
FFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FF
@A00721:190:HGW7DSXY:4:1423:28863:25426_2:N:0:TCTGCAAG+GCTGCACT
TAATCAAATTTTCACAAATTTTAGAACCTTTATTTCAGAACTCTCTCCGATCACCTTGGTGATCTCC
CGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAA
+
FFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGW7DSXY:4:1670:14850:6230_1:N:0:TCTGCAAG+GCTGCACT
AGCGTATACTTGAATACTTTATCAAAGATTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTC
TATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT
AGC
+
FFF,
FFF
FFF
@A00721:190:HGW7DSXY:4:2217:8106:28181_2:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAGCTCGGTGAACACGTCGGTAGCATTTGATTTACTTTTACCGTTAGAACTGAAAA
AGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACT
+
F:F:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFF:FFFFFFFFFFFFFFF
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGW7DSXY:4:1126:26323:20306_1:N:0:TCTGCAAG+GCTGCACT
AATAAAAATACTTCAAGTACCTGAACCTTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAG
AACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAG
GAT
+
FFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGW7DSXY:4:1362:6750:2597_2:N:0:TCTGCAAG+GCTGCACT
TTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTT
TAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATT
+
:FFFFFFFFF:FFF:FFFFFFFFF
FFF
@A00721:190:HGW7DSXY:4:2175:14009:7592_1:N:0:TCTGCAAG+GCTGCACT
GGGAGAATGAAGTACCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTT
TGTATAAAATTTATATGATTTTCTATATATATACCACATATATATATATAAAAATCCTATAAATTTGT
ACA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFF:F:FFFFF:FFFFFFFFFF:FFFF,:F
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGW7DSXY:4:1403:8938:27242_2:N:0:TCTGCAAG+GCTGCACT
TAACTCCCCAAACATAACATAACCTACCATGACCAATCATCGCTCCAAGTGGCAGGCCAGAC
GTAGGGTCAAACCTACTACCGCCTGTGCGCAGATCGGCACCACTGGTC
+
FFF:FF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFF
@A00721:190:HGW7DSXY:4:2561:28185:18552_2:N:0:TCTGCAAG+GCTGCACT
ACCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGA

CGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1427:4227:29356_2:N:0:TCTGCAAG+GCTGCACT
ACGGCAGTCCCGTCATCTCTGTGGGAAGTACCTCAGTCAAAAGTCACATTCACCACTCCC
ATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGT
+
FFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFF:FFFFFF
FFFFFFF::F:FFF,:FFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1245:3486:35368_2:N:0:TCTGCAAG+GCTGCACT
GGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGA
CCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1163:20066:25347_2:N:0:TCTGCAAG+GCTGCACT
CAAACTGATAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGA
AGGAAGATCTCCACCATCTGGGGTTGGAATAAGAAATCTGCAGATC
+
FFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1407:7003:22326_2:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTTCTGCCTACTATGAGCAAT
+
FFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF,FFFFF
@A00721:190:HGJW7DSXY:4:2160:17815:16031_2:N:0:TCTGCAAG+GCTGCACT
TCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGA
AAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFF:FFFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:F
@A00721:190:HGJW7DSXY:4:2416:7817:1908_2:N:0:TCTGCAAG+GCTGCACT
GTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAACCTATGGGGCGAAGATCCCTATGGAGT
CTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
+
FFFFFFFFF:FFF
FFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1167:19741:16172_2:N:0:TCTGCAAG+GCTGCACT
CGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAAATGCGGGCTTTCTGA
CTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2110:29243:29340_2:N:0:TCTGCAAG+GCTGCACT
TCCTCCATAATTACAACCTCTCTTTAGAGAGCAGTAGAAGGAAGTTGGGCAATTCCCACATATGGTA
GACGTTGTCACTTTTCTTGAATAATTTTCTTTTCTCCGGCATTGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF,FF,FF:
@A00721:190:HGJW7DSXY:4:1135:29695:26866_2:N:0:TCTGCAAG+GCTGCACT
AAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAG

TTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGA
+
FF
FFFFFFFFF:FF:F
@A00721:190:HGJW7DSXY:4:1507:27742:27680_2:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFF
FF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1405:26196:22060_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTT
+
FF
FFFF:FF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2323:9516:22858_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT
+
FF:FFFFF
FF
@A00721:190:HGJW7DSXY:4:2557:22788:26960_2:N:0:TCTGCAAG+GCTGCACT
GTGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAAC
TACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1426:4616:28087_2:N:0:TCTGCAAG+GCTGCACT
TCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTT
GAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGAT
+
FF
FF,FFF:FFFF
@A00721:190:HGJW7DSXY:4:1132:19768:11960_2:N:0:TCTGCAAG+GCTGCACT
CGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTGCGCAGTTTCCAGAATTGC
GGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCA
+
FF:FFFF:FFFFFFFFFFFFFFFF
FFFFFFF,FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1268:24840:23844_1:N:0:TCTGCAAG+GCTGCACT
ATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTTCAT
ATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGT
TAC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2158:30002:11052_1:N:0:TCTGCAAG+GCTGCACT
ATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTT
CTGTTACAAGAACGCTTTGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATA
TCT
+
:FFFFFFFFFFFF,FFFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2255:20663:5400_2:N:0:TCTGCAAG+GCTGCACT
GCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCGTCTTAGTTTGTCCCGCGCAATTATT
GGACACGATGAAAAATGACATACCCGTTCTTGACCTTGGTATCGTTAT

@A00721:190:HGJW7DSXY:4:1506:15754:19914_1:N:0:TCTGCAAG+GCTGCACT
GGTTATTCTCACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACA
ATTGTTCCATTGTGAACCTTTGGGGACTAGATTGAGCATTAAATGAGTTCCGAATAACTCGTAATAAAT
CTT

@A00721:190:HGJW7DSXY:4:2155:22254:17394_1:N:0:TCTGCAAG+GCTGCACT
ATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGA
AGAAGCGAGGTTCTGTTCTCAATAAAAAATTTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATA
AGG

@A00721:190:HGJW7DSXY:4:1258:25274:31266_2:N:0:TCTGCAAG+GCTGCACT
ACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAAC
AACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTT

@A00721:190:HGJW7DSXY:4:2368:30083:26694_1:N:0:TCTGCAAG+GCTGCACT
GAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACAC
GTTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG
ATT

@A00721:190:HGJW7DSXY:4:2620:31629:18881_2:N:0:TCTGCAAG+GCTGCACT
ACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTTCCCTTTTTAGGTTTAGTAGGT
GATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAAT

@A00721:190:HGJW7DSXY:4:1320:3369:12931_1:N:0:TCTGCAAG+GCTGCACT
GAACCGGTCTCTAAATCTTTTGAAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGT
TCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTT
CAG

@A00721:190:HGJW7DSXY:4:2121:7862:18709_2:N:0:TCTGCAAG+GCTGCACT
GATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTG

GGTTGAGAAGTGTGCTTTACAAGGAGAGATCGGAAGAGCGTCGTGTAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1548:30445:11381_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTA
CGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGGTATTTCTGAAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2522:8250:34632_2:N:0:TCTGCAAG+GCTGCACT
CGTCATTTTCCTTTGGGATCTTCTCTGCTAAGGGAATTATTAATCATTCTTCTCACTCTTGACGA
GAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGG
+
FFFFFFFF:F:F,FF
FFFF,FF:
@A00721:190:HGJW7DSXY:4:1526:16224:17628_2:N:0:TCTGCAAG+GCTGCACT
TGATGTTTTCTACAGAGTGCAGTCGTTTCAACACATATCACCCTTTTGAAAGGAAAATAATTGGTG
ATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACGG
+
FFFFFFF:FF
FF:FFFF:FF::F:FF:F::F::,F,F,FFF,FF:,FF:,FFF,F,F
@A00721:190:HGJW7DSXY:4:2415:15474:35775_2:N:0:TCTGCAAG+GCTGCACT
GGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCT
TAAGTAATTTGGATGTTGTGCGAAACTATCAGGTTCTTGTACGATTCT
+
FFF:FFFFF,FFF:F
FF:FFF,,FFFFFFF:FFFFFFF:FFFFFFFFFFFFFFF,FFFFFFF:F,FF
@A00721:190:HGJW7DSXY:4:1158:11379:29716_2:N:0:TCTGCAAG+GCTGCACT
TTAAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGG
AAAAGAGACCTCTGTTGTAGAGGAGTTGAGAGAATTACTCAGATTCAA
+
FF
FFF:FF:
@A00721:190:HGJW7DSXY:4:1465:7536:12477_2:N:0:TCTGCAAG+GCTGCACT
ACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCA
TCACCCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACACTG
+
FFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1402:24894:18333_2:N:0:TCTGCAAG+GCTGCACT
TCTGATGCTGAATTTGAGGAAAATTTTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGG
AGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTT
+
FF
FFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:2116:4716:30765_2:N:0:TCTGCAAG+GCTGCACT
GGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTAT
AGTTGGCGTCTTGTCTGTTGACGTCATTACAGTCTGGAAGTTAGATCAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1218:19208:33035_1:N:0:TCTGCAAG+GCTGCACT
TTTAGATAAATCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGGTGATCTGA

ATCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGC
TTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1157:14678:13385_2:N:0:TCTGCAAG+GCTGCACT
CCAAATTTAGCACTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTACCTTTTGAGGTCC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2261:18710:22216_2:N:0:TCTGCAAG+GCTGCACT
CCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAA
CACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCT

+

FF:FF
FF

@A00721:190:HGJW7DSXY:4:2134:30942:19664_1:N:0:TCTGCAAG+GCTGCACT
GATATCGCCTCTGTCTTTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGTACTTGGGTTTATCGGTT
GTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTG
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2660:26476:36699_2:N:0:TCTGCAAG+GCTGCACT
TGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAG
AGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGACATGGTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1428:27941:30029_1:N:0:TCTGCAAG+GCTGCACT
CCTTTTTCGATTGGATTCGACGGGTCTTCGTCTCACGACTAATTTGATAAGGTTTTCTTTTATGGG
ACTCTTGTTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGTAGGTCTCCTAGTACTTAA
GGG

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1418:23249:28134_2:N:0:TCTGCAAG+GCTGCACT
GTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAA
GAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1404:30933:36871_2:N:0:TCTGCAAG+GCTGCACT
GTTTCGGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAAAGG
ATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2307:2519:24392_2:N:0:TCTGCAAG+GCTGCACT
ATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAAGTTCTAATAGAGGATCCTGATGACATTATTTCA

+

@A00721:190:HGJW7DSXY:4:1369:8015:10426_1:N:0:TCTGCAAG+GCTGCACT
GGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGG
ACGTTGAAACGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAG
AAG

+

@A00721:190:HGJW7DSXY:4:1502:23312:5321_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGGGAGAAAACAGAACAGCGAGCGTTGAAGAGAAACTGATAAGGATGCGGTGATAGTACC
CCAATTCCTGCAAGAAAGATCACTCTCGTCGATACCACTGATCTTCCA

+

@A00721:190:HGJW7DSXY:4:2362:8287:19820_1:N:0:TCTGCAAG+GCTGCACT
GGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAG
TGATATTAACAAGTTAAACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAG
TTT

+

@A00721:190:HGJW7DSXY:4:2345:16089:13291_2:N:0:TCTGCAAG+GCTGCACT
AAACTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGAATGT
CCTACGTACTGTTCAAGGTGTTTGGGCTTCTCTAAAGAACAGCAACTT

 $+$

@A00721:190:HGJW7DSXY:4:2635:18738:25238_2:N:0:TCTGCAAG+GCTGCACT
AGACCTTTCTTG GGGAGTAAAGAGGGTTTGAAAATTACGGAACCTTTCCTCGTTCTTCATGAAGATCT
TCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGA

 $+$

@A00721:190:HGJW7DSXY:4:1520:7545:6230_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAACTTATAGCGACTTTTGT
CGAATTTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCG

+

@A00721:190:HGJW7DSXY:4:1505:30680:31454_2:N:0:TCTGCAAG+GCTGCACT
CACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTG

+

@A00721:190:HGJW7DSXY:4:2321:9815:7279_1:N:0:TCTGCAAG+GCTGCACT
CATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTT
ATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGCAAAC
TAC

```

+
:FF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2308:3775:28980_2:N:0:TCTGCAAG+GCTGCACT
TTGATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGAACTCTCA
GAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1470:26955:22216_1:N:0:TCTGCAAG+GCTGCACT
TTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACCTCAA
GGTGAAAAGTTTGAATTAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTAT
TCA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1303:23294:29183_1:N:0:TCTGCAAG+GCTGCACT
TGACCCTGTTTTTGCATCACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGAT
ACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTCA
CGT
+
FFFF,FFFFFFFF,FFFFFF:FF:F:FFFFFF,FFFFFF,FF:FFFFFF:FFF:FFFFFF:F:,F
:FFFFFFFF,FFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1402:22589:16501_2:N:0:TCTGCAAG+GCTGCACT
AGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTC
AAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1137:16957:6277_2:N:0:TCTGCAAG+GCTGCACT
TTATTCCTGGAACACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAG
TCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2642:24532:14450_1:N:0:TCTGCAAG+GCTGCACT
TCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGA
AACTTCAACGTTTTACAACGGAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGC
GGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2375:15130:26725_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTG
GGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2431:13060:19413_2:N:0:TCTGCAAG+GCTGCACT
TAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATG

```

$+$

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFF:
```

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFF

+

[illegible]

+

[illegible]

+

```
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FF:FFFFFFF
```

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
```

+

FFFFFFFF,FFFFFFFFFFFFFFFF:FF:FFFFFF:FFFFFFFF

+

FF,FFFFFFFFFFFFFFFF

+

FFFFFFFF:FFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2145:3577:10974_2:N:0:TCTGCAAG+GCTGCACT
TCTTTTCAATTTTAAATGACGATCATTAAGACTCTCTTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTT
TCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAAC

+

FF
F::FFF,

@A00721:190:HGJW7DSXY:4:1232:17065:15139_2:N:0:TCTGCAAG+GCTGCACT
TCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCGTGACGAACT
GTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTC

+

FF
FFFF:F,FF

@A00721:190:HGJW7DSXY:4:1473:15664:26741_1:N:0:TCTGCAAG+GCTGCACT
CACTTATTACGATATTTCTTTAGTCGATGGGTTTTTCGACGCCTTTAAGCGTCTTCTGTTTCATCGCAAC
CAGATGATATCTTCTATTCTGAACCTTATGTTTCGATCAGTGTTTCTTCTATCAGGAGGAAAACACTTGT
TCT

+

FF
FF
,FF

@A00721:190:HGJW7DSXY:4:1441:27055:31782_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTAATGTGGCCTGAACCTACGTTTCACTTTGTGTGTAAGTCTCTATTTTAAGTTTTGTCTTCC
TTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAATA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1325:2636:22748_2:N:0:TCTGCAAG+GCTGCACT
CGACAACAGCAGGGGTTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATA
ATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2573:32181:2832_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATT
GTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCT
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1668:16776:8093_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTAACCATTGTACGATGTCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATC

+

FFFFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:1577:16089:8750_1:N:0:TCTGCAAG+GCTGCACT
TTAGGGATTTTGAAGAGAGTAGAGCTTCAATTGTAGTGGTTTGGTCTGTTTCAGTACCCAGTCAGTAT
ACCTCTACGCAAAGATTTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTAT
GAA

+

FFF::FFF:FF,FF,FF:FFF,,FFFFFFFFF,FF:FFFFFFFFF:FFFFFF:FF,FFFFFFFFF
FF,F,FFF,F,F:::,FFFFFFFFF,FFF,FFF,F:FF::F:::F,FF,:F:FFFFFFFFF:F
F:F

TAAAAATAAGGGAGTCATAACTTTTGTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTA
ATC

+

FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1121:24831:11365_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2460:10212:10347_1:N:0:TCTGCAAG+GCTGCACT
ATACTCTCTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATTAAGGATGAGTACGAAAACCACT
CTTCGTTACGAGACCTGATGGTATTATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAG
TT

+

FFFFF:,F,F,,FF:FFF,FFF:FFFFFFFFF:,,,FF:FF,:F,F,F::FF,FFF,FFFF:FF
,:F:FFFF,FFF:,F,FFFF,:F,,FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF
:F

@A00721:190:HGJW7DSXY:4:2463:22092:24659_1:N:0:TCTGCAAG+GCTGCACT
CACGAAGATAACATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG
ATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCT
T

+

FF:,F,,F,F,,F:FF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF
F

@A00721:190:HGJW7DSXY:4:2247:8901:1125_1:N:0:TCTGCAAG+GCTGCACT
TACTTATTGTAACGATCATTCTTTCGAGTTTTGTCACTTATTCTTTTATTCCTTTAACTGTGTATG
AGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATC
TTT

+

FF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2456:10384:6292_1:N:0:TCTGCAAG+GCTGCACT
GAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAAGTATTATCCGATTCTTCGAGGGTA
TCACTACCACTGATCTGCCGACTTTAGTCAAGGAAGTCAATTCCTTCGATGTTTATATTTTCTATA
AGG

+

FFFFFFFFF:FF:FFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2143:31033:17284_2:N:0:TCTGCAAG+GCTGCACT
TAATCAAATTTGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCC
CGGAGGATCTTTCAATAAGATGTATGATGATAATCTACTATTTTAA

+

:FFFFFFFFF,FFFFF,:FF:FFFFFFFFFFFFFFFF:~:FFFFF:F:FFFFFFFF:FFFF,
:FFFFFFFFFFFF:FFFF:F:FFF:~:FFF:FFFF:FFFF:FFFF:F

@A00721:190:HGJW7DSXY:4:2351:25753:32346_1:N:0:TCTGCAAG+GCTGCACT
AGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTC
TATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT
AGC

FF:FFF:FFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2221:24424:16955_2:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAACCTCGGTGAACACGTCGGTAGCATTGATTTACTTTTTACCGTTAGAACTGAAAA
AGATTCTTTTCGAAAAGAACCTATAAGTTACAAACGATTCTTCGACT

+

FF,FFFF:F,FF:FF:FF:F,F:FF::,FF,,,FF,,,:FF:FFFF,FFFF:,,:FFF:FF:FFFFFF
F,FFF,FFFF::FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1264:32913:11146_1:N:0:TCTGCAAG+GCTGCACT
AATAAAAATACTTCAAGTACCTGAACCTTTACATTTTTAATGGTATGGTATAATGTGTCTTACATATAG
AACCTTCACTCTCGGTAATGAGAGTGATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAG
GAT

+

FFFFFFFFF:F:,F:,FFF,:F:FF,FFFFFFFF:F:FF,FF,FFFFFFFF,FFFFFFFFF::FFF,,,FFF:
F,:,FFF:,F,F:FF,FFF:FFF:F,FFFF,,FFFFFFFF::FFF:,FF::FFFF:FFFFF::FFFF,FF
F:F

@A00721:190:HGJW7DSXY:4:1509:13838:31375_2:N:0:TCTGCAAG+GCTGCACT
TTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTT
TAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATT

+

FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2573:6994:6120_1:N:0:TCTGCAAG+GCTGCACT
GGGAGAATGAAGTCCGCTTCCCAGGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTT
TGATAAAATTTATATGATTTTCTATATATATACCACATATATATATATATAAAATCCTATAAATTTGT
ACA

+

FF,FFFFFFFFFFFFFFF:FFFF
::FFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2231:15953:18004_2:N:0:TCTGCAAG+GCTGCACT
TACTACTCCCCAAACATAACATAACCATAACCTACCATGACCAATCATCGCTCCAAGTGGCACGCCAGAC
GTAGGGTCAAACCTACTACCGCCTGTCGGCAGATCGGCACCACTGGTC

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:2606:2410:6355_2:N:0:TCTGCAAG+GCTGCACT
ACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGA
CGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCA

+

FFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1658:4562:18192_2:N:0:TCTGCAAG+GCTGCACT
ACGGCAGTCCCGTCATCTCTGTGGGAAGTGAAGGAGTACCTCAGTCAAAAGTCACATTCACCACTCCC
ATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGT

+

FFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:1272:17978:15749_2:N:0:TCTGCAAG+GCTGCACT
GGAGGTAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGA
CCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAA

+

FFFFFFFFF:FFF
FFFFFFFFF,FFF
@A00721:190:HGJW7DSXY:4:1619:13150:10488_2:N:0:TCTGCAAG+GCTGCACT
CAAACTGATAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGA
AGGAAGATCTCCCACCATCTGGGGTTGGAATAAGAAATCTGCAGATC
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:1427:13774:4867_2:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCAATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAT
+
FFFFFFFFFFFFFF:FFFFFFFF:FF:FFFF:FFFFFFFF:F:FF,F:FFF:FFFFFFFFF:FF
FFFFFFFFF:FFFFFFFFF:FFFF:FFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:1111:11180:29810_1:N:0:TCTGCAAG+GCTGCACT
TCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGA
AAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTGT
CAA
+
FFF
FFFFFFF,FFF
FFF
@A00721:190:HGJW7DSXY:4:2239:12328:20243_1:N:0:TCTGCAAG+GCTGCACT
GATTTTATCCGCGCTTAATACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGTCATA
TTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGACTTACAAGAGAGAG
TGT
+
FFFFFF:F:FFF,,FFFF,FFFF,FF,,FFFF:FFFF,,FFFFFF:F:F:FFFF,:FFF,,:FF
FFFF::F,,F,FFF,FF:FF:F:FFF::FFFFFFFF:FF::,FFF:FFF,F,:FFF,,,FFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2178:23303:24126_2:N:0:TCTGCAAG+GCTGCACT
CTCTCACTATTTTTGCCGAGAATTGGGCTTTCTTACTGATGAGGTTAAACTCTTGCTCCTTCTGGG
GGTGAGGGTTTTTGTATATTAATACTGGTTCTGGGAGGCTGCTTTCCTC
+
FF:FFF,FF:FFFF,:FFF:FFF,F:FFFFFF:F,FFF,F,FFFF:FFFF:F,F:FFFFFFF,F,F
::FFF,FFFFFF:FFFFFF,F,,:FFF:FFF:F,:FFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1174:5511:2394_2:N:0:TCTGCAAG+GCTGCACT
TTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCACATATGGTAGACGTTGTCACACTTTTCTTGA
AAATTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGG
+
FFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1558:21169:16423_2:N:0:TCTGCAAG+GCTGCACT
GGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGGATCGAG
TTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTC
+
F::F:FFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:F,F:F:FFF,FFFF,
FFFF,FFFF:FFFFFF::F,FFFFFFFF::F:F:FFFFFF
@A00721:190:HGJW7DSXY:4:1670:25220:3646_2:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTGAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGA
GAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGAGAGT
+
FFF
FFF

@A00721:190:HGJW7DSXY:4:1449:15365:23093_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2341:16984:13839_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+

FF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2612:18376:12054_2:N:0:TCTGCAAG+GCTGCACT
GTGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAAC
TACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTT

+

FF:FFFFF
FF:

@A00721:190:HGJW7DSXY:4:1439:19587:11898_2:N:0:TCTGCAAG+GCTGCACT
TCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTT
GAGGGAGCCGTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGAT

+

FF:
FF

@A00721:190:HGJW7DSXY:4:1224:16911:17221_2:N:0:TCTGCAAG+GCTGCACT
CGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATTGC
GGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCA

+

FF:F,FFFFFFFFFFFFFFFFFFFFFFFF
FFF,FFFF:FF

@A00721:190:HGJW7DSXY:4:1268:24894:23156_1:N:0:TCTGCAAG+GCTGCACT
ATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTTCAT
ATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTA
TAC

+

FFFFFFFFF:FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2158:30472:11772_1:N:0:TCTGCAAG+GCTGCACT
ATTGATTGGGAACGTACCTACTCACGAGACGTATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTT
CTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATA
TCT

+

FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2347:30816:16595_2:N:0:TCTGCAAG+GCTGCACT
GCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCGTCTTAGTTTGTCCCGGCGAATTATT
GGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTAT

+

FFFFFFFFFFFFFFFFFFFF:FF:FFFFF
FFFFFF:FF:F

@A00721:190:HGJW7DSXY:4:1524:18258:27070_1:N:0:TCTGCAAG+GCTGCACT
GGTTATTCTCACAAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACA

GGGAATTATTAAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCT
TTT

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1643:15600:15515_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTTCAACACTTATCACCACCTTTTGAAAGGAAAATAA
TTGGTGATGAAAATACGTATGTCGGTGGGGTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGT
TCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2662:30327:29904_2:N:0:TCTGCAAG+GCTGCACT
TTCAATGATCAGGATTCTTCTTTTGGTCCCTACGTCTTAAGTAATTTGGATGTTGTGCGAAACTATCA
GGTTCTTGTCACGATTCTTAAAGAAGTTTATTAAACTTCAGAGTCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2215:13087:4366_1:N:0:TCTGCAAG+GCTGCACT
GGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGTAGAGGAGTTGA
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTA
AAA

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2176:15854:15327_1:N:0:TCTGCAAG+GCTGCACT
CAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACACT
GTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGATG
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2265:16351:2440_2:N:0:TCTGCAAG+GCTGCACT
AAAACCTTCTTTTATCATTGCAACAGGACTTTGAGTAGACTGTTGAAATGGACAAAATCTGGGATCAT
AGGTATGTGTACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTA

+

FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2131:24044:9314_1:N:0:TCTGCAAG+GCTGCACT
CGTCATTACAGTCTGGAAGTTAGATCATTTGTTTCAAGGAGATCTCTACAGAGATTATCGAGAGTTGTG
ATCTAGTTCTAAATTTAGGTCGACGACTTTAGCAACTTTAGATAAATTCTTCCGGGCTCAATGACC
TTT

+

:FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2537:24451:11741_1:N:0:TCTGCAAG+GCTGCACT
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA
CTT

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2617:5068:20102_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGG
+
FFFFFFFFFFFFFFFF:F,FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FF:FF
,FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2678:31919:10175_2:N:0:TCTGCAAG+GCTGCACT
GACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCA
AATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTA
+
,FF:FFFFFFFFFFFFFFFF:FFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFF:F,:F,F:F::FFFFFFFF,:FFFFFF,:FFFF,FF,,F
@A00721:190:HGJW7DSXY:4:2406:9109:36902_2:N:0:TCTGCAAG+GCTGCACT
ACTTGGGTTTATCGGTTGATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTAT
TACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGA
+
FFF:::FF:FF:FFFF,FFFFFFFFFFFF:F,FF,FFF::,F,FFF::FF::FF,FF,:FFF:FF
FFF,F::F:F,:FFF:FFF:FFFFFF::FF::F:F:,F,F:FFFF,F
@A00721:190:HGJW7DSXY:4:1309:18575:6605_2:N:0:TCTGCAAG+GCTGCACT
TACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGT
AGTCAGTTTACTACTTTTCTTTCCCTCCCCTTTTTCGATTGGATTCTGA
+
FFF,FF,:F:FFFFFFFF,,FFFFFF:FFFF:F,,FFFFFFFF:F:F:FFF,:FFFF,F::F
FFF:FFFFFFFF:FFFF:FFFF,F::F::F:FFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:2512:1118:35837_2:N:0:TCTGCAAG+GCTGCACT
TTGATAAGGTTTTCTTTTATGGGACTCTTGTGTTGACTTATGAAGGAGGTATTACTTCGGAAGTTCT
TAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTG
+
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFF:F:FFFFFFFF:FFFFFFFFFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:1674:22146:25755_1:N:0:TCTGCAAG+GCTGCACT
TTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTA
TGTCGCTAAAGCCTGTCCAGTTGTGATGATGTTTCGGGCTGTGGGATTAACCTCCCTCGTGAACTT
ACG
+
FF,
FF,FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1521:17996:12806_1:N:0:TCTGCAAG+GCTGCACT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTATGAAACGTCGCGAAAATAAAGTTCAT
GAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAAC
GGA
+
FFFFF,,:FFF:,,:FFF,:FFFF:FF::FFF::,FFFF,,:FF:,FF,,FFF:F,FFF,FF,FF
::FF,F,FF:FF:F::F,,FFFFFF,,F,F::,FFF,:FFFF,F:,FF,:FF:F:,::FFFF::F,,
FF:
@A00721:190:HGJW7DSXY:4:2256:24605:23844_2:N:0:TCTGCAAG+GCTGCACT
AGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCT

TGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1457:26738:23907_1:N:0:TCTGCAAG+GCTGCACT
ACTCTGAGACTTCTAAGAGTGTTC AAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGG
AGAAAACAGAACAAGCGAGCGGTTGAAGAGAAAACCTGATATGGTTGCGGCTGATCGTACCCCAATTCC
TGC
+
FFFFFFFFFFFFFFFF:F:FFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1513:10267:3959_2:N:0:TCTGCAAG+GCTGCACT
CTCGGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAA
AGTTTCTGCGAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAA
+
FFFFFFFFFFFFFFFF:FFF,FFFFFFFF::FFFFFFFF
FFFFFFFF,FF:FFFFFFFF::F:FFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1167:26431:21590_2:N:0:TCTGCAAG+GCTGCACT
CACTTACAAGAGTGTGAAGTACCGCAACATGGATCAGTTTCTAAAAGCTATTAATAGCAGTTGCG
GGGCTATAATACCGCCTCCAGATTACTCTAACTGAATCCACTCTCTT
+
FFFFFFFFF:FFFFFFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2332:17345:14465_2:N:0:TCTGCAAG+GCTGCACT
TTTGGAAGTGTGTAATGTCCTACGTACTGTTCAAGGTGTTGGGCTTCTCTAAAGAACAGCAACTTTC
AACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATC
+
FFFFF,FF
FF
@A00721:190:HGJW7DSXY:4:2635:18783:14231_2:N:0:TCTGCAAG+GCTGCACT
AGACCTTCTTGCGAGTAAAGAGGGTTTGA AAATTACGGAACCTTCTCGTTCTTCAAGAAGATCT
TCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGATCAATTCTATTGA
+
FFF:,FFF,,,F,,,FFFF::FF,FFFF::FFF:,F,F,F,:FFFFFF,F,FFF,FFF,,,FF:,F,,
F:FF,,:F,,:FFF,F,FFFF:,F,,F,FFF::,,FFFF,,F,FF,,,
@A00721:190:HGJW7DSXY:4:2346:12888:33364_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAAGTTATAGCGACTTTTGT
CGAATTTTTCGCAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCG
+
FFFFFFFFF:FF
FF:FF
@A00721:190:HGJW7DSXY:4:1544:24008:35399_2:N:0:TCTGCAAG+GCTGCACT
CACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTG
+
FFFFF,FF:FFFF
FFFFFFFFFFFFFFFF:FFFF:FFFF::FFFF,F,F,:FF,FFF:::
@A00721:190:HGJW7DSXY:4:2442:23086:34741_1:N:0:TCTGCAAG+GCTGCACT
CATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTT
ATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAAC
TAC
+
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FF

@A00721:190:HGJW7DSXY:4:2308:3775:29074_2:N:0:TCTGCAAG+GCTGCACT
TTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGAACTCTCA
GAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGAC

@A00721:190:HGJW7DSXY:4:1510:30391:18333_1:N:0:TCTGCAAG+GCTGCACT
TTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCAA
GGTGAAAAGTTTGAAATTAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTAT
TCA

@A00721:190:HGJW7DSXY:4:1417:8323:33974_1:N:0:TCTGCAAG+GCTGCACT
TGACCCTGTTTTTGCATCACAAACACATATTACCGTTGCTCTATCACACACGTTGAATCTTTACGATA
CTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCAC
GT

@A00721:190:HGJW7DSXY:4:1530:19497:32315_2:N:0:TCTGCAAG+GCTGCACT
AGATTC AACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTC
AAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCAAAG

@A00721:190:HGJW7DSXY:4:1463:1154:23844_2:N:0:TCTGCAAG+GCTGCACT
TTATTCCTGGAACCACTTAACGTCACCTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAG
TCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAG

@A00721:190:HGJW7DSXY:4:2321:25961:10974_1:N:0:TCTGCAAG+GCTGCACT
CATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAA
ACTTCAACGTTTTACAAACGGAAAGACATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGCG
GT

@A00721:190:HGJW7DSXY:4:2413:2428:29309_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTG
GGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAAT

@A00721:190:HGJW7DSXY:4:1612:10556:20682_2:N:0:TCTGCAAG+GCTGCACT
AATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGAAGGGAAGCTAAGGTTAACTTGATGC
TTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGC

[illegible]

@A00721:190:HGJW7DSXY:4:1430:23466:35994_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCATCAGCTTGTGTTTACCTAATCTGTGTTT
TTACGATAACAACATCATCAGTTGATTAAGACTCTTCCGAAAGGCGAACT

+

,FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1609:4698:15859_2:N:0:TCTGCAAG+GCTGCACT
GAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATA
TACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTACGATAT

+

FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1304:14642:16423_1:N:0:TCTGCAAG+GCTGCACT
AGCGTCTTCTGTTTCATCGCAACCAGATGATATCTTCTATTGCACTTATGTTTCGATCAGTGTCTTCT
CTATCAGGAGGAAAACACTTGTTCTAGTCCTTGTAAGATTAATCCTAACGTAGAAGATTGTTGTTTAC
CAC

+

FF,FF,FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
:FFF:FFFFFFFF:FFFFFFFF:FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1449:31711:25786_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTAATGTGGCCTGAACTACGTTTCACTTTGTGTGTAAGTGTCTCTATTTTAAGTTTGTCTTCC
TTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAATA

+

FF:FFFFFFFF,
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1336:11993:23578_2:N:0:TCTGCAAG+GCTGCACT
CGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGCAGCAGCATGACCATA
ATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFF
F,FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2644:10646:7404_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTGTGAATTTATACCTACAATCATTTGGTTTTTCTAATAATGATGACACTATT
GTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCT
TAA

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2152:1588:5588_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTAACCATTGTACGATGTCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGGTCCTACTTTTGACAAGGCCAACTTCGTAATCTTCATGAGATC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1577:17146:8265_1:N:0:TCTGCAAG+GCTGCACT
TTAGGGATTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTAT
ACCTCTACGCAAAGATATTTTCATGAAAACACAGAGGAACGTACCGGATTACCTGTCTTTCATATTAT
GAA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFF:FFF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2276:15817:15765_2:N:0:TCTGCAAG+GCTGCACT
TCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGT
GGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTAT

@A00721:190:HGJW7DSXY:4:1531:18846:12994_1:N:0:TCTGCAAG+GCTGCACT
ATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCC
GCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAAT
ACT

@A00721:190:HGJW7DSXY:4:1176:31575:2848_2:N:0:TCTGCAAG+GCTGCACT
GATCTAGTGAAATTAACGCGTCCTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGA
TAGTGGCATTCAAGGCCAACTTACCCTGATTCCGGCCGGTGGTAGCTC

@A00721:190:HGJW7DSXY:4:1226:10013:27132_2:N:0:TCTGCAAG+GCTGCACT
GGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGTAATTACACCTAAACGAGCTCGAT
CTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGC

@A00721:190:HGJW7DSXY:4:1611:27706:12211_2:N:0:TCTGCAAG+GCTGCACT
TCGATTGTATCAACAGTAACATTACTTCTAATAAAGGCTCTATCAAGCTCGTATTATCGTCGCTGCT
GGATCTGCGTTACCGTTGAAGGCTAAACTCCAAGGTAATCATGAAGAC

@A00721:190:HGJW7DSXY:4:2126:11324:9799_1:N:0:TCTGCAAG+GCTGCACT
GTATGAGGGTGTTCCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATA
CTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATC
GAA

@A00721:190:HGJW7DSXY:4:1270:3676:3443_1:N:0:TCTGCAAG+GCTGCACT
CTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAA
CAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTC
AGT

@A00721:190:HGJW7DSXY:4:1177:4707:29778_2:N:0:TCTGCAAG+GCTGCACT
CTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCGTTC
CTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCG

@A00721:190:HGJW7DSXY:4:1151:15058:7185_1:N:0:TCTGCAAG+GCTGCACT
GTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAGTTTCGTTTCGTA
CCTTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTG
CGA

+

FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2636:23023:31501_2:N:0:TCTGCAAG+GCTGCACT
GAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTTCAAAGTTTGAGAACTTAGTTTACGAACTTGA
CTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1569:2718:12837_2:N:0:TCTGCAAG+GCTGCACT
AAAATTTTCTTCCTTGGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTT
CTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1455:19642:1939_2:N:0:TCTGCAAG+GCTGCACT
CGAAACTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGA
TAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCG

+

FF
FFF:FFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:

@A00721:190:HGJW7DSXY:4:1455:19642:1939_1:N:0:TCTGCAAG+GCTGCACT
ACCGGTGAATGGTTTAAAGAATACTATAAATAAGATAGCTATTACTACTAATGGCGTTGGCCTAGTGGA
TGTTATTAGTGACATCTGGTCAATTTTCTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGA
TTG

+

FFF::F:FFFF:FFFFF:FF:FFFF:F:FFFF:FFFFF:FFFF:FFFFFFFFFFFFFFFF:FFF,FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:
FFF

@A00721:190:HGJW7DSXY:4:1171:21793:9424_2:N:0:TCTGCAAG+GCTGCACT
TGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGA
TAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGA

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1244:28646:7326_2:N:0:TCTGCAAG+GCTGCACT
TACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTT
TAACCTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTAC

+

FF
FFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2162:12509:7153_2:N:0:TCTGCAAG+GCTGCACT
AAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATA
ATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAG

+

FF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1341:21477:31454_1:N:0:TCTGCAAG+GCTGCACT
AAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTGAGACTTATCT

@A00721:190:HGJW7DSXY:4:1422:4906:30311_2:N:0:TCTGCAAG+GCTGCACT
CACTATATACATTATAAAATATAAAATAAGGGAGTCATAACTTTTGTACCAAATTCTTGGCTTTCA
ACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCA

+

FFFF,FF
FF

@A00721:190:HGJW7DSXY:4:1464:14009:33395_2:N:0:TCTGCAAG+GCTGCACT
TTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT
TATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2141:13006:12774_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTGATTAATAAAGGATGAGTACGAAAACCACTCTTCGTTACGAGACCTGATGGTAG
AATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACAC
GAA

+

FFF,FFF:FFF,F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFF:F:FFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1637:31458:9408_2:N:0:TCTGCAAG+GCTGCACT
CAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTT
TACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1443:5538:24674_1:N:0:TCTGCAAG+GCTGCACT
TTTGGGTATGTTTTGTGAAAAACATGAGATACCAAGTCTATCGAAGACATTATCTCTTATGTACTTA
TTGTAACGATCATTCTTTCGAGTTTTGTCATTCTTATTCTTTATTCTTTAACTGTGTATGAGGAGG
ATT

+

FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFF:FFFFFFFF,FFFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1239:9833:26725_1:N:0:TCTGCAAG+GCTGCACT
TCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAA
ATGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCAC
TAC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1377:1208:2362_1:N:0:TCTGCAAG+GCTGCACT
GACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATC
AAATTTGACAAATTTTAGAACTTTATTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAG
GAT

+

FF,FFFFFFFF:FFF:FFFF:FFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1377:22426:1438_2:N:0:TCTGCAAG+GCTGCACT
ATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGA
TTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATAT

+

[illegible]

CCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAA
+
FFFFFF:FF:
FFFFFFFFF:F:FF:
@A00721:190:HGJW7DSXY:4:2443:22101:15405_2:N:0:TCTGCAAG+GCTGCACT
CAAAACTGATAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGA
AGGAAGATCTCCCACCATCTGGGGTTGGAATAAGAAATCTGCAGATC
+
FF:FFF:FFFFFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1427:13937:5087_2:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAAGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTGCTACTATGAGCAAT
+
FFF
F:FF,FF,FFFFFFF
@A00721:190:HGJW7DSXY:4:1127:13259:15749_1:N:0:TCTGCAAG+GCTGCACT
TCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGA
AAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGT
CAA
+
FF: ,FFFFFFFFFFFFFFFF
FFFFFF:FF,FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1240:26223:3850_1:N:0:TCTGCAAG+GCTGCACT
TTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATTGAGTCTTGAAGGACTTAGGTTGGCATATTT
ATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGT
GAG
+
FF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1655:26106:32581_1:N:0:TCTGCAAG+GCTGCACT
CACTATTTTTGCCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTG
AGGGTTTTTGTATATTCAGTGGTTCTGGGAGGCTGCTTCTCCTCATAATTACAACCTCTCTTTAGAG
AGC
+
FFFFFFF:FF:F
FF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1429:3531:23015_2:N:0:TCTGCAAG+GCTGCACT
AGTTGGGCAAATCCCACATATGGTAGACGTTGTACACTTTTCTTGAAAATTTTCTTTCTCCGT
CATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTT
+
,F:FF
F:FF,FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1602:32190:34194_2:N:0:TCTGCAAG+GCTGCACT
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCA
+
F,FF
FFFF:FFFF::F::,FF,:FF:FFF,FFF,F,: ,FFF:FFFF,:FF,
@A00721:190:HGJW7DSXY:4:1374:18882:30248_2:N:0:TCTGCAAG+GCTGCACT
AAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCT

CACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FF:,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:~FFFFFFFF

```

+

@A00721:190:HGJW7DSXY:4:2441:10610:23594_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCTTTTTGAGTATCGACAGATCTTTCGATCTT

[illegible]

+

@A00721:190:HGJW7DSXY:4:1439:19623:12242_2:N:0:TCTGCAAG+GCTGCACT
TCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTT
GAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGAT

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F  
FFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

@A00721:190:HGJW7DSXY:4:1373:8341:10676_1:N:0:TCTGCAAG+GCTGCACT
ATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCAT
ATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCTATTCTTGATGTGAAAGATGCATCGAGGTA
TAC

[illegible] $+$

@A00721:190:HGJW7DSXY:4:2204:11351:5525_1:N:0:TCTGCAAG+GCTGCACT
CTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTTCGTCTTAGTTT
GTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGT
CAT

```
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF::FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFF,FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1527:18756:15311_1:N:0:TCTGCAAG+GCTGCACT
GGTTATTCTCACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACA
ATTGTTCCATTGTGAACTCTTGGGGACTAGATTGAGCATTAATGAGTTCCGAATAACTCGTAATAAAT
CTT

+

FFFFFFFFFFFFFFFFFFFF:FF
FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1604:31015:23202_1:N:0:TCTGCAAG+GCTGCACT
ACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAG
GTTTCGTTCTCAATAAAAATTTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATT
CAG

+

FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1350:10176:6965_1:N:0:TCTGCAAG+GCTGCACT
CTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTC
ATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGAT
CTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1357:31358:27806_2:N:0:TCTGCAAG+GCTGCACT
AGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGGAGGTGATCTCT
CTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1567:18656:16736_2:N:0:TCTGCAAG+GCTGCACT
TCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGTAATTAACAAAGAGATTGGTGT
AGCGGACTCTTATACTTTTGAAGATTGAGAAGATTGATGAACACGTCAA

+

FF,,F,,,,:FFFF,F,F:FFF,
F,,F,:F,,,,,,F,,,F,F,,,,,:F,FF:,F,:,:,FFF,FF

@A00721:190:HGJW7DSXY:4:2201:23294:27649_2:N:0:TCTGCAAG+GCTGCACT
TTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTCGA
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2370:25726:10285_2:N:0:TCTGCAAG+GCTGCACT
CTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGT
TTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAATAAACTAA

+

FFFF:FF
FF,FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1654:11487:33442_1:N:0:TCTGCAAG+GCTGCACT
GTTTCTCTTGGTATTTCTGAAATAGTTTATCAGAGCGTCATTTTCTTTGGGATCTTTCTCTGGTAA
GGGAATTATTAAATCATCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCT
TTT

+
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:2477:24388:22623_1:N:0:TCTGCAAG+GCTGCACT
 ACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTTCAACACTTATCACCACCTTTTGAAAGGAAAATAA
 TTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGT
 TCC
 +
 F:FFF,FFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FF,FFFF,F,FFFF:FFFFFFFFFFFFFF,
 FFFFFFFFFFFFFFFFF, :FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF
 F:F
 @A00721:190:HGJW7DSXY:4:1118:24026:12915_2:N:0:TCTGCAAG+GCTGCACT
 AGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAAACCTATCAGGTTCTTGTC
 ACGATTCTTAAAAGAAGTTTATTAAAACTTCAGAGTCTCTTGAAGTC
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFF
 @A00721:190:HGJW7DSXY:4:1147:30147:2566_2:N:0:TCTGCAAG+GCTGCACT
 TGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTA
 CTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGT
 +
 FFFFFFFFF:FFFFFFFFFFFF,FF,FFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,
 FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFF
 @A00721:190:HGJW7DSXY:4:1241:2437:6151_1:N:0:TCTGCAAG+GCTGCACT
 AAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCAGAGTTTCGACGTCGCGGAAAA
 CGATGAAGATTTCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTT
 TTG
 +
 FFFFFFFFFFFFFFFFF:FF
 FFF
 FFF
 @A00721:190:HGJW7DSXY:4:1119:10981:14497_1:N:0:TCTGCAAG+GCTGCACT
 TGATGGCTCAGTACAGGGAGGAGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTTGA
 GAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAATATGGGCC
 CTC
 +
 FFFFFF:FF
 FFF
 FFF
 @A00721:190:HGJW7DSXY:4:1501:1425:10441_2:N:0:TCTGCAAG+GCTGCACT
 GTTGGCGTCTTGTCGTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTTCAGGAAGATCTCTACA
 GAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACTGACT
 +
 FFF,FFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:F:FFFFFF
 FFFFFFFFFF:FF:FFFFFFFFFFFFFFFF,FFFF,FFFF
 @A00721:190:HGJW7DSXY:4:2537:24451:11741_2:N:0:TCTGCAAG+GCTGCACT
 ATGTACGTGGATCTAATGCTTGGTGATCTGAATCTGACCATCGCAAAGAAGACTTTATTAGTTCATGA
 AGTTCTTACACTTCTCGCGACTAATGTCAGTTCACTACAAAGGCGTT
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
 @A00721:190:HGJW7DSXY:4:1169:22987:5290_2:N:0:TCTGCAAG+GCTGCACT
 CCAAATTTAGCACTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGT

TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2337:14036:13025_2:N:0:TCTGCAAG+GCTGCACT
CCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAA
CACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCT
+
FF
FFFFFFF:FFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2350:18231:24612_1:N:0:TCTGCAAG+GCTGCACT
GATATCGCCTCTGTCTTTCTCCTTTAATCGTGAGGTTACGAGAGTTTTCGTACTTGGGTTTATCGGTT
GTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTG
ATA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2666:32199:31767_2:N:0:TCTGCAAG+GCTGCACT
TGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAG
AGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTG
+
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FF
FFF
@A00721:190:HGJW7DSXY:4:2265:14922:11522_1:N:0:TCTGCAAG+GCTGCACT
CCTTTTTCGATTGGATTGACGGGGTCTTCGTCTCAGCTAATTTGATAAGGTTTTCTTTTATGGG
ACTCTTGTGTTGACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGTAGGTCTCCTAGTACTTAA
GGG
+
FFF:FFF:FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1641:14959:25833_2:N:0:TCTGCAAG+GCTGCACT
GTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAA
GAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGT
+
FFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFF,FFFFFFFFFFFFFFFFFFFF:FF,FFFFF
@A00721:190:HGJW7DSXY:4:1405:32009:1470_2:N:0:TCTGCAAG+GCTGCACT
GTTCTGGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTCAACAAG
ATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF::FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1349:14696:4586_1:N:0:TCTGCAAG+GCTGCACT
TCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACC
GATCTCAGTTCTACCACAGAAACCGTCTCAGGAACGTCTCCACTGATTCGGAATTAGAGAAAGACGA
CCT
+
FF
FFFFFFF:FFF,FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2311:32452:27665_1:N:0:TCTGCAAG+GCTGCACT
GACCTCTTAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGAATTCTA

AGAGTGTTCAAAAGACCATAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAG
C
+
::,F:,::,,FF:F:,FF::FF,,F:,F,F,,,F:F,::FFF:FF:FFF,::,FFFFFFFFF,FF,:F
:FFFF,FFF,FFF,FF::F,F,F:FFFFFFFF:FF:FFFF,,FFFF,FFFF:FFFFFFFFFFFFFFFF
,
@A00721:190:HGJW7DSXY:4:1316:29288:22654_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGCGGCTGATCGTACCCAATTCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCA
GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT
+
F:FFF
FFFFFFFFF:FFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
@A00721:190:HGJW7DSXY:4:2260:8196:30937_1:N:0:TCTGCAAG+GCTGCACT
CAAGTTAACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCCAAA
AAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAACTGAATCCACTCTCT
TGG
+
FFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2525:30156:5243_2:N:0:TCTGCAAG+GCTGCACT
TTTGAAGTGTGTAATGTCCTACGTACTGTTCAAGGTGTTGGGCTTCTCTAAAGAACAGCAACTTTC
AACATGAATTAGTTATAGAAAGTCTTTACCCTCACGTCTCACTTTATC
+
FFFFF:F,:FFFF:FFF:FFFFFFFFFFFFFFF,F:FFFFFF,FFFFFF:FFFFFFFFF:FFFF:F:
FFFFFFFFF:FFFFF,F:FFFFFFF,::,FFFFFFFF:FFFFFFF:
@A00721:190:HGJW7DSXY:4:1262:20302:20932_2:N:0:TCTGCAAG+GCTGCACT
AAAGAGGGTTTGAAGATTACGGAACCTTCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGA
GTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTGTTGACTACGATCT
+
FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFF
@A00721:190:HGJW7DSXY:4:2432:15709:27070_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAAGTTATAGCGACTTTTGT
CGAATTTTTCGAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCG
+
FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1666:10122:2300_2:N:0:TCTGCAAG+GCTGCACT
CACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTG
+
F:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1331:24216:13025_1:N:0:TCTGCAAG+GCTGCACT
TCGTGCAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTAATTAAGGCGGCTTAT
ACCATAGGTTACGGTGATTACAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTA
C
+
F,F:,F,F,:FF,FFFFFF,FF,:F,FF,,::,,FF,FF,FFF,F::FFFF,:FF,F::,,FF::
F,:FF,,FFF,,FF,FFF,FFF,,FFFF,FFF,,F,FF:FFFFFFFFFFFF,,FFFF,F:F,,F,
:
@A00721:190:HGJW7DSXY:4:2556:10710:9925_2:N:0:TCTGCAAG+GCTGCACT
TTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCGCGGACGTTTGTGCGAACTCTCA

GAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGAC

+

FFFFFFFFFFFFFFFF:FFFF,,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:1363:12328:10128_1:N:0:TCTGCAAG+GCTGCACT
CTTGACGACTTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCAAGGTGAAAAGTTTGAAAT
TAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAGGTA
ATA

+

:FFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF, :FF
FFF

@A00721:190:HGJW7DSXY:4:1629:27407:22341_1:N:0:TCTGCAAG+GCTGCACT
TGACCCTGTTTTTGATCACAAACACATATTACCGTTGCTCTATCACGACAGTTGAATCTTTACGAT
ACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCA
CGT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2305:3215:24846_2:N:0:TCTGCAAG+GCTGCACT
AGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTC
AAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1674:15103:2033_2:N:0:TCTGCAAG+GCTGCACT
TTATTCCTGGAACCACTTAACGTCCTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAG
TCGTTGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1364:32371:28494_1:N:0:TCTGCAAG+GCTGCACT
CCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTAC
AACGGAAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGTTCTTGAACGGTGT
TTG

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1110:27100:14575_1:N:0:TCTGCAAG+GCTGCACT
GATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGA
CGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGACCGACTATATGACCT
ATT

+

:FFFFFFF:FFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:,FF,FFFFFFFFF:FFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1612:10556:20682_1:N:0:TCTGCAAG+GCTGCACT
AAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTT
ATCACGCAAATTTATTAATGCAATTTTCGACCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAG
TGT

+

FF

FF
FFF

@A00721:190:HGJW7DSXY:4:1164:10728:5885_1:N:0:TCTGCAAG+GCTGCACT
ACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTTAGGAGGT
CATGATGACTACTATAAGGGTGAATCGATTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTTGTA
AGC

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1225:20112:9737_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGCTTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATTTTGTACGCCAGGAGT
ATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCTTTG
TAA

+
FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1376:7545:28902_1:N:0:TCTGCAAG+GCTGCACT
TCTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATT
CCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGA
GCG

+
FFFFFFFFFFFFFF:FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2577:2166:33865_2:N:0:TCTGCAAG+GCTGCACT
CAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTAC
AAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTA

+
:F:FFF:F:FFFF:FFFF,F,F,FF,FFFFFFFFFFFF:FFF:FFFFFFFFFFFF,F:FFFF,FFFF
FF:FFFFFFF::FF

@A00721:190:HGJW7DSXY:4:1107:24985:1830_2:N:0:TCTGCAAG+GCTGCACT
TTAAAGACTATACTAAATATCTCCACTACGAGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTG

+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,FF:FF:FFFF

@A00721:190:HGJW7DSXY:4:1121:23095:23390_2:N:0:TCTGCAAG+GCTGCACT
TCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTT
CCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGA

+
FF
FFF::FF

@A00721:190:HGJW7DSXY:4:1220:1208:34898_1:N:0:TCTGCAAG+GCTGCACT
ATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCCGTAACGGTGCGTGGCGCTTTATTTTAAAAAG
CTC

+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1546:5710:34898_2:N:0:TCTGCAAG+GCTGCACT
CTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAA

TGACGATCATTAAGACTCTCTTTCTTCTTTGTTTCCTTCTTTGCACTG

@A00721:190:HGJW7DSXY:4:1156:30318:31172_1:N:0:TCTGCAAG+GCTGCACT
GTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAGTTTCGTTTCGTA
CCTTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTG
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2460:13639:15029_2:N:0:TCTGCAAG+GCTGCACT
AGTTTACGAACCTTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGATAAAG
AACTTCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGATTTTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2135:31033:5948_1:N:0:TCTGCAAG+GCTGCACT
TACAGGAGGCATTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCAT
CAACTTAGAACTCGAAACTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAAT
TGG

+

FFFF,::FF,F,F,FFFFFFFF:,FFFFFF,FFFFFF,FFF:FFF,FFFF,FF,FFFF,:FFFF
F:::FF:,FFFFFFFF,F,FFF,F,FFFFFF,FFF:F:FFFFFF:FFF:FFFFFF:FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2109:4010:14011_2:N:0:TCTGCAAG+GCTGCACT
TAAAGGAAGATCTGTTATCGACGTTTATCGTTTACGAAGTATCACTCCACCGTGAATGGTTTAAGA
ATACTATAAATAGAATAGCTATTACTACTAATGGCGTTGGCCTAGTGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1557:16450:22748_1:N:0:TCTGCAAG+GCTGCACT
TTTAGGTGGTCTTTATTCTATTATTGATTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAG
TAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTT
AAA

+

,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2226:4010:1517_1:N:0:TCTGCAAG+GCTGCACT
CCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGA
AGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTAC
GTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2321:31873:6746_2:N:0:TCTGCAAG+GCTGCACT
AAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATA
ATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGCGAG

+

F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1442:26259:16658_1:N:0:TCTGCAAG+GCTGCACT
AAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTGATAGACTTATCT
AGGTACTCTCATTTACTATGTTGATTTAGTCTACATTTATGCTGATCTAAAATTTGATCTAGATGGA
TCC

+
F:FFFFFF:FF::F,,:FFFFFF,,:F:F,,:F:, ,FFF:FF,FFFFFF:FFF:,FFFFFFF
FF:FFFFFFFFFFFFFF,FFFFFFF,FFFF:FF:FFFFFFFFFFFFFFF,FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1222:28320:25739_2:N:0:TCTGCAAG+GCTGCACT
TATAGGAGTAATCTACGAGAAGATTCTAGAATTCTTAATTATAATATTCAACCTCAAAGTTACGTGT
TTACAGTAACGAGATCACACATTTTGAGAACTAACTATGTTATGTTCT

+
FFFF:FFF,FFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFF,FFFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1550:3405:21136_1:N:0:TCTGCAAG+GCTGCACT
TCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACAC
TAGTTCGAGTGCTGCTTTGATTACGATGACGTGAGAATAGGTGAAGGGATTGTTTTACCTCGACCA
ACA

+
FFFFFF:FFFF:FFFFFFFFF,FFFFFF:F:FFFF:FFFF:FF::FFFFFF:FFFFFFFFF,FF
FF:FFFF:FFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2475:3974:6934_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAACTGAATAATGATGCACTACAAAC
AAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1255:24849:19163_2:N:0:TCTGCAAG+GCTGCACT
CAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTAC
GAATTGGTCCAACATTTACCACCAAATTTCTTTGATACAACCTCTAGCC

+
FFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2515:18945:3677_1:N:0:TCTGCAAG+GCTGCACT
ATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTT
GTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAAT
TTA

+
FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFF:FFFFFFF
FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1308:13349:14841_2:N:0:TCTGCAAG+GCTGCACT
GGTGATAAAAATTATTTAGAGATCTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGA
AAAGTCCGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCT

+
FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:F

@A00721:190:HGJW7DSXY:4:1311:28999:29763_1:N:0:TCTGCAAG+GCTGCACT
CGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCT
TTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTGTCTACGTTGCA
GAT

+
FFFFFFFFFFF,FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2559:22263:29590_2:N:0:TCTGCAAG+GCTGCACT
CACTATATACATTATAAAATATAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCTTGGCTTTCA

+

@A00721:190:HGJW7DSXY:4:1107:17833:10864_1:N:0:TCTGCAAG+GCTGCACT
TTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT
TATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTA
ATA

+

@A00721:190:HGJW7DSXY:4:1677:26738:23876_1:N:0:TCTGCAAG+GCTGCACT
GGATGAGTACGAAAACCACTCTTCGTTACGAGACCTGTTGGTAGAATAGATTTAGTCTCTACACCCA
TCTCAACGAGGATAAAGCGAGTTTTCCGTCTGAACGTAATACACGAAGAGATCATCCGCAAACGACT
CGA

+

@A00721:190:HGJW7DSXY:4:2247:8901:1125_2:N:0:TCTGCAAG+GCTGCACT
AAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTA
CTTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTTTTGTGAA

+

@A00721:190:HGJW7DSXY:4:2373:21549:4867_1:N:0:TCTGCAAG+GCTGCACT
TACTTATTGTAACGATCATTCTTTCGAGTTTTGTCATTCTTATTCTTTTATTCCTTTAACTGTGTATG
AGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATC
TTT

+

@A00721:190:HGJW7DSXY:4:2650:1588:14011_1:N:0:TCTGCAAG+GCTGCACT
GAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAAGTATTATCCGATTCTTCGAGGGTA
TCACTACCACTGATCTGCCGACTTTAGTCAAGGAAGTTCATTCCTTCGATGTTTATATTTTTCTATA
AGG

+

@A00721:190:HGJW7DSXY:4:2357:17237:14653_2:N:0:TCTGCAAG+GCTGCACT
TAATCAAATTTGACAAATTTTAGAACTTTATTTGAGAACTCTCTCCGATCACCTTGGTGTGATCTCC
CGGAGGATCTTTCAATAAGATGTATGATGATAATCTACTATTTTTAA

+

@A00721:190:HGJW7DSXY:4:2412:2691:25692_1:N:0:TCTGCAAG+GCTGCACT
AGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTC
TATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT
AGC

+

```
F::FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF:
```

@A00721:190:HGJW7DSXY:4:1130:8549:4210_2:N:0:TCTGCAAG+GCTGCACT
CTCCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCT

ACCAGGAAGAGGGGAAATGTCCCAAACCTGAGAAGAATAAAGGGAAA

@A00721:190:HGJW7DSXY:4:2369:18394:23547_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTGTAGATAATCTTTTGAG
AAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGA

+

FFFFFFFFFFFFFF:F:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,FF
FFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2472:1108:25269_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2664:4598:12524_2:N:0:TCTGCAAG+GCTGCACT
GTGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAAC
TACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTT

+

FF
FFFFFFFFFFFF:FFFFFFFFFFFF,FFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1463:30120:4679_2:N:0:TCTGCAAG+GCTGCACT
TCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTT
GAGGGAGCCGTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGAT

+

FF
F:FF

@A00721:190:HGJW7DSXY:4:1322:11198:22013_2:N:0:TCTGCAAG+GCTGCACT
CGTTGTCGTACCTTACCAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTACAGAATTGC
GGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCA

+

F:,FF,FFFF:,FFF,F,,:FFFF:FFF:,F:FFFFFF,FF:F:FFFF:FFFFFFF,FFF:,FFF
FFF,:FFFFFFFF,F,FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFF:FF

@A00721:190:HGJW7DSXY:4:1564:8043:35556_1:N:0:TCTGCAAG+GCTGCACT
ATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCAT
ATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTA
TAC

+

FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1344:25681:29465_2:N:0:TCTGCAAG+GCTGCACT
TTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGAGGGAAGCAAATGTTTCGTTT
TGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATA

+

FFFFFFFFF,FF
FF:FFF

@A00721:190:HGJW7DSXY:4:2270:17653:5666_1:N:0:TCTGCAAG+GCTGCACT
CTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTT
GTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGT
CAT

+

FFFFFFFFFFFFFF:FFFFFFFFF:FF
FFFFFFFF:FF
F:F

@A00721:190:HGJW7DSXY:4:1541:7048:5337_1:N:0:TCTGCAAG+GCTGCACT
GGTTATTCTCACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCCTTAAGGGCGGACA

ATTGTTCCATTGTGAACTCTTGGGGACTAGATTGAGCATTAATGAGTTCCGAATAACTCGTAATAAAT
CTT

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1649:28565:28729_1:N:0:TCTGCAAG+GCTGCACT
ACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAG
GTTTCGTTCTCAATAAAAATTTTCTCAAGAGATTATGGTTGATAAAGTTTCTTCATAAGGGCTATT
CAG

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1572:25780:15295_1:N:0:TCTGCAAG+GCTGCACT
CTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTC
ATCTCGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGAT
CTT

+

FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1456:17897:15577_2:N:0:TCTGCAAG+GCTGCACT
AGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGGAGGTGATCTCT
CTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACT

+

FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1344:10031:18865_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCT
CTAAATCTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAAC
CAA

+

FFFFFFFFFFFF,FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1638:32994:8469_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCNNGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTT

+

FFFF:FF,FFFF,FFFF:FFFFFFF,FFFFFFFFFFFFFFF##FFFF
FFFFFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2665:27001:20509_1:N:0:TCTGCAAG+GCTGCACT
AGAATTGGGTTGAGAAGTGTTCTTTACAAGGATTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGAT
ATTCTTAAAGAAAAATTTTCAATAAACTAATGAGAGGTATAGGCTTATTCAAGTCTGTACTTTCAT

+

FF,F:FFF,F:FF:FFFFFF,,F:F:,FFFF,:FFFF:FFFF:FF,,F,FFFFFFFF,FF:FFFF
F,F:FFFF:FFF,F,FF:FFFFFFF,:FF:FFFFFFFFFFF:FFF,FFF:FF,:FFFF,FFF

@A00721:190:HGJW7DSXY:4:2319:8757:12305_1:N:0:TCTGCAAG+GCTGCACT
GTTTCTCTTGGTATTTCTGAAATAGTTTATCAGAGCGTCATTTTCTTTGGGATCTTCTCTGTTAA
GGGAATTATTAAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCT
TTT

+

FFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2574:14669:9173_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTTCAACACTTATCACCACCTTTTGAAAGGAAAATAA
TTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGT
TCC

```

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

+

@A00721:190:HGJW7DSXY:4:1454:32913:29465_2:N:0:TCTGCAAG+GCTGCACT
TGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTA
CTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGT

```

FFFFFFFFFFFFFF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFF
FFFFFFFF:FFFFFFFF:FF,:FF:FFF:FFFFFF:FFFFFFFFFFFFFF

```

+

@A00721:190:HGJW7DSXY:4:1121:27073:7952_1:N:0:TCTGCAAG+GCTGCACT
TGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTTGA
GAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTACACTCGAAATATGGGCC
CTC

[illegible]

+

@A00721:190:HGJW7DSXY:4:2616:2211:3067_1:N:0:TCTGCAAG+GCTGCACT
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA
CTT

```

FFFFF:FFFF,,FFFFFF,:FFFFFF:FFF,FFF,FFFFFF:FFF,FFF:FF,:FFFF:FFFF:F,FF
FFFFFFFFF::F,,FFFFFFFFF:FF:FFFFF:::FFFFFFFFFFFFF:,FFFF,,FF,FFFFFFFF:F
:FF

```

@A00721:190:HGJW7DSXY:4:1365:13747:1157_2:N:0:TCTGCAAG+GCTGCACT
TCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCCTTCTAACCAGGACTGATGGTGAGATTCCTTTT

ACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1616:20745:30780_2:N:0:TCTGCAAG+GCTGCACT
GTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCT
CTTTATGAGGTGCTCCATGCAAATTTACAGTTCATCTTTGGTGATATC
+
FF
FFFF:F::FFFFFFFFFFFF:FFFFFFFFFFFF,::,FFFF:FF:FF::F
@A00721:190:HGJW7DSXY:4:1339:12906:6057_2:N:0:TCTGCAAG+GCTGCACT
TTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGTAAGTTTATCGGTTGTATTTTGATAAATTTG
TTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1159:17680:14418_1:N:0:TCTGCAAG+GCTGCACT
GTCTAGCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTCCCTCCCTTTTTCGA
TTG
+
F:F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F::FFFFFF:FFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FF:FF:FF:FFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1365:16062:3317_2:N:0:TCTGCAAG+GCTGCACT
AGGTTTTTCTTTTATGGGACTCTTGTTTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGT
AGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGA
+
FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF,FF,FFFFFF:FFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2369:30147:35634_1:N:0:TCTGCAAG+GCTGCACT
TTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTA
TGTCGCTAAAGCCTGTCCAGTTGTGCGATGATGTTTCGGGCTGTGGGGATTAAGTTCCTCGTGAACTT
ACG
+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:::FF:,FFF,F,FFFFFFFF::FFFFFFFF:FF:FFFF,F:FF,
FFFFFFFF,FFFFFFFF:FFFFFFFF:FF,:FFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFF,:::F:F
F,F
@A00721:190:HGJW7DSXY:4:1522:11406:32737_1:N:0:TCTGCAAG+GCTGCACT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTCAT
GAGGATGTCTTGGTCGAAAAATATCGCCGGGAAGTCTAATAGAGGATCCTGATGACATTATTTCAAC
GGA
+
::FFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2448:13223:31563_2:N:0:TCTGCAAG+GCTGCACT
AGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCT
TGTGGGACTGAGACCTCTGAATTTTACGGGTGCCCTGATGAGGACGT
+
FF
FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1627:13648:5619_1:N:0:TCTGCAAG+GCTGCACT
ACTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGG

GGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACAC

+

FFF:FF,:F:F:,F,FFFFFFFFF:,FF,:F,,,:FFFFFFFF,FFF,F,FFF,FFFFF,FFFF:F
F:FFFFF:,,,:FFFFFF:,F:F:,F:F,F,FF:FF,FF,FFF:,FFFF

@A00721:190:HGJW7DSXY:4:1509:28655:9784_1:N:0:TCTGCAAG+GCTGCACT
CTTGACGACTTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCAAGGTGAAAAGTTTGAAAT
TAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAGGTA
ATA

+

:FFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFFF:FFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2320:3215:30326_1:N:0:TCTGCAAG+GCTGCACT
TGACCCTGTTTTTGATCACAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGAT
ACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTCA
CGT

+

FFFFFFFFFFFFFFFFFFFFF,FFF:FFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1105:8250:4476_2:N:0:TCTGCAAG+GCTGCACT
GATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCA
AGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2158:17987:9784_2:N:0:TCTGCAAG+GCTGCACT
TTATTCCTGGAACCACTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAG
TCGTTGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1527:23511:11647_1:N:0:TCTGCAAG+GCTGCACT
CCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCAC
AACGGAAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGTTCTTGAACGGTGT
TTG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1268:18728:36182_1:N:0:TCTGCAAG+GCTGCACT
GATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGA
CGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGACCGACTATATGACCT
ATT

+

FFFFFFFFFFFFFFFFFFFF,FFF
FFFFFFFFF:FFF
F:F

@A00721:190:HGJW7DSXY:4:2164:28592:31000_1:N:0:TCTGCAAG+GCTGCACT
AAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTT
ATCACGCAAATTTATTAATGCAATTTTCGACCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAG
TGT

+

FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

FF
FFF

@A00721:190:HGJW7DSXY:4:2160:7039:30279_1:N:0:TCTGCAAG+GCTGCACT
ACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGT
CATGATGACTACTATAAGGGTGAATCGATTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTTGTA
AGC

+
FF
FF
F,F

@A00721:190:HGJW7DSXY:4:1307:21386:17801_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGCTTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATTTTGTACGCCAGGAGT
ATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCTTTG
TAA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1376:9182:29356_1:N:0:TCTGCAAG+GCTGCACT
TCTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTGGTTGTCGCTGGGACGATT
CCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGA
GCG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2615:16495:9987_2:N:0:TCTGCAAG+GCTGCACT
CAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTAC
AAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1118:18611:21637_2:N:0:TCTGCAAG+GCTGCACT
TTAAAGACTATACTAAATATCTCCACTACGAGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTG

+
F:FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:1544:1425:16799_2:N:0:TCTGCAAG+GCTGCACT
TCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTT
CCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGA

+
FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1505:17173:19366_1:N:0:TCTGCAAG+GCTGCACT
ATTCATGGACCTTCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCCGTAACGGTGCGTGGCGCTTTATTTTAAAAAG
CTC

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2143:18593:4507_2:N:0:TCTGCAAG+GCTGCACT
CTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAA

$+$

@A00721:190:HGJW7DSXY:4:1640:20464:10379_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCTTATATGTGTTTTTACTATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGC
GAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCGTGACGAAGTGTGGTGTCTTGA
TCT

+

@A00721:190:HGJW7DSXY:4:1533:19922:5901_1:N:0:TCTGCAAG+GCTGCACT
ATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTT
TCGACTCCTTTAAGCGTCTTCTGTTCATCGCAACCAGATGATATCTTCTATTCTGAACCTTATGTTTCGA
TCA

+

@A00721:190:HGJW7DSXY:4:1610:27154:26788_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTAATGTGGCCTGAAC TACGTTTCACTTTGTGTG TACTTGTCTCTATTTTAAGTTTTGTCTTCC
TTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAAAA

 $+$

@A00721:190:HGJW7DSXY:4:1415:23095:21512_2:N:0:TCTGCAAG+GCTGCACT
CGACAACAGCAGGGGTTTTCTGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATA
ATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCT

+

@A00721:190:HGJW7DSXY:4:1175:14036:34319_1:N:0:TCTGCAAG+GCTGCACT
CTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGC

+

@A00721:190:HGJW7DSXY:4:2347:21585:25598_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGA
ATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATC

+

@A00721:190:HGJW7DSXY:4:2359:13006:13432_1:N:0:TCTGCAAG+GCTGCACT
TTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTAT
ACCTCTACGCAAAGATATTTTCATGAAAACACAGAGGAACGTACCGGATTACCTGTCTTTCATATTAT
GAA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2447:5936:34726_2:N:0:TCTGCAAG+GCTGCACT
TCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGT
GGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTAT

@A00721:190:HGJW7DSXY:4:2676:28890:21652_2:N:0:TCTGCAAG+GCTGCACT
CACTATATACATTATAAAATATAAAATAAGGGAGTCATAACTTTTGTACCAAATTCTTGGCTTTCA
ACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1140:14660:26631_1:N:0:TCTGCAAG+GCTGCACT
TTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT
TATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTA
ATA

+

FFFFFFF:,FFFF:FF:FFF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2461:20012:35869_1:N:0:TCTGCAAG+GCTGCACT
GTATGAGTACTAAAACAACTCTTCTTTACTAGACCTGTTGGTAGAATATTTTTAGTCTCTACACCCT
TCTCACCGAGGATAACGCTATTTTTCCGTCCTTAACCTAATACACGAAGATATCAGCCGCAAACGACT
CGA

+

::F::,,:F,,FFFFFF,F,,,F::,,FFF,,,,::,F,,FFF:F,F,F,,,FFF::,,F::,,FF,,
:,F,F::,,:,FFF:,F,,,FFF:F:,F,F,F,,,FF:F:,F::,FF:F,F:::,FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2373:21549:4867_2:N:0:TCTGCAAG+GCTGCACT
AAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTA
CTTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTTTTGTGAA

+

FFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1251:16450:7185_2:N:0:TCTGCAAG+GCTGCACT
CTTATTGTAACGATCATTCTTTCGAGTTTTGTCATTCTTATTCTTTTATTCCTTTAACTGTGTATGAG
GAGGATTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACA

+

FFF
FF

@A00721:190:HGJW7DSXY:4:1443:5538:24674_2:N:0:TCTGCAAG+GCTGCACT
CTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTAT
CCGATTCTTCGAGGGTATTACTACCACTGATCTGCCGACTTTAGTCAA

+

FFF
FF

@A00721:190:HGJW7DSXY:4:1461:25156:4758_2:N:0:TCTGCAAG+GCTGCACT
TTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAAATTTAGAAC
TTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGA

+

FFF
FFF,FF

@A00721:190:HGJW7DSXY:4:1418:2130:9784_2:N:0:TCTGCAAG+GCTGCACT
ATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGA
TTTGGCTTGGTCTATTTACCGCAAAAAGTTGAAGAGGTCTATGATAT

+

FFF
FF

@A00721:190:HGJW7DSXY:4:2207:3233:31172_2:N:0:TCTGCAAG+GCTGCACT
TATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGAT

TAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1436:29152:9111_2:N:0:TCTGCAAG+GCTGCACT
TTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAG
TACCTGAACCTTTACATTTTTATTGGTATGGTATAATGTGTCTTACAAA
+
FF
FFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1424:6840:34194_2:N:0:TCTGCAAG+GCTGCACT
CTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATC
ACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1317:5466:12649_1:N:0:TCTGCAAG+GCTGCACT
TGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTG
TATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTG
GGG
+
FFFFFFF:FFFFFFFFFFFFFFFFFFFF,FF
FF:FFFF,F:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1513:5864:34225_1:N:0:TCTGCAAG+GCTGCACT
ACTCCCCAAACATAACATAACCTACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTA
GGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTGTG
CAG
+
FFFFFFFFF:,F,F:,F:,F:F:F::FF::FF,,,FFFFFF,F,FFFFFFFF:FFFFFF,FF:FF:FFF:
FFFF:FF,:F:,FF:FFF:FF,:FF,F,,F:::FFFFFFFFFFFFFFFF:FFFF,FFFF:FFFFFFFF
F:F
@A00721:190:HGJW7DSXY:4:1133:5095:17394_1:N:0:TCTGCAAG+GCTGCACT
CCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTGCTTACCGGACGACCACTCAAAGGAAACGGGCT
GTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTCTGT
GGG
+
FFFFFFFFF,F,FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFF:FFFF,FFFFFF
FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1452:1940:13589_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTATTCACTACTCCATACCAATCAATGATGTGACTATACAGTTGGGCCATTTCAAG
AGTGGTCAATACGTGCGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCAAGCC
AAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FF
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1259:22761:19774_2:N:0:TCTGCAAG+GCTGCACT
TGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCA
AACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGA
+
FF
FFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1231:26151:27743_2:N:0:TCTGCAAG+GCTGCACT
AATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCG
CTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTA

+

FF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1130:19316:4539_1:N:0:TCTGCAAG+GCTGCACT
CCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCCTACTATGAGCAAATCTGTTGAA
TTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGG
AAA

+

FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1154:15935:29058_2:N:0:TCTGCAAG+GCTGCACT
ACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCG
CGCTTAACATATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAG

+

FF
FF:FFFF:FFF

@A00721:190:HGJW7DSXY:4:2424:29324:18145_1:N:0:TCTGCAAG+GCTGCACT
GCATGTCACCCTTAAGCACCAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCA
CGATTTTGGCCAGAATGCGGGCTTTATGACTGATGAGGTTAAAAATCATGCTCCGTCTGTGGGTGCG
GG

+

FFFFFFFF:FFFFFFFFFFFFFF,FFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFF:FFFFFF,,FF
F,:,FFF:,F,:,FFF,:FFFFFF,,F::,,::,F,FF::FFF:,,,,F,,,::,F,FFF,F,,
FF

@A00721:190:HGJW7DSXY:4:1105:3459:27712_2:N:0:TCTGCAAG+GCTGCACT
TTCACTGGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAG
TTGGGCAAATTCCCACATATGGTAGACGTTGTACACAGATCGGAAGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2477:31349:14231_1:N:0:TCTGCAAG+GCTGCACT
TCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTT
TCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGA
A

+

FF:FFFFFFFF:FFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
F

@A00721:190:HGJW7DSXY:4:2115:11053:10551_2:N:0:TCTGCAAG+GCTGCACT
TCAGAGCGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGTGAAGTCTAAGAGGAGGAGGTTGAG
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGT

+

FFF:F:,,FFFFFFFFF:::,FFFFFFF::,F,:F,FFFF,F:FFFFFF::F:F:F::,FF,F:FF:
FFF,FFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFF,FFFF:FFFF

@A00721:190:HGJW7DSXY:4:1453:15655:34773_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGTTACCACTTCTTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTAGATAATCTTTTGAAGAAGGGTCATAGAGCCAGCAAGAGAAGCTT

+

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFF:FFF:F:FFFFFFFF:FFFF:FFFF

+

@A00721:190:HGJW7DSXY:4:2664:5728:12070_2:N:0:TCTGCAAG+GCTGCACT
GTGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAAC
TACTCCGATCAGATCCGGATGTTTTGATTGGTATGGACTACTCGACTT

+

@A00721:190:HGJW7DSXY:4:2437:3947:35884_2:N:0:TCTGCAAG+GCTGCACT
TCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTT
GAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGAT

+

@A00721:190:HGJW7DSXY:4:1608:5113:36683_2:N:0:TCTGCAAG+GCTGCACT
CGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATTGC
GGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCA

+

@A00721:190:HGJW7DSXY:4:1574:32560:29543_1:N:0:TCTGCAAG+GCTGCACT
ATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCAT
ATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTA
TAC

+

@A00721:190:HGJW7DSXY:4:1344:25861:29434_2:N:0:TCTGCAAG+GCTGCACT
TTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATA

+

@A00721:190:HGJW7DSXY:4:2357:30373:26224_1:N:0:TCTGCAAG+GCTGCACT
CTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTTCGTCTTAGTTT
GTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTTGACCTTGGTATCGTTATCCGT
CAT

+

@A00721:190:HGJW7DSXY:4:1546:20039:27899_1:N:0:TCTGCAAG+GCTGCACT
GGTTATTCTCACAAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACA
ATTGTTCCATTGTGAACCTCTGGGGACTAGATTGAGCATTAAATGAGTTCCGAATAACTCGTAATAAAT
CTT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1125:13702:10692_1:N:0:TCTGCAAG+GCTGCACT
CCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAATAAGCGAGG
TTCGTTCTCAATAAAAAATTTTCTCAAGAGATTATGGTTGATAAAGTTTCTTCATAAGGGCTATTC
AGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1622:32832:1141_1:N:0:TCTGCAAG+GCTGCACT
CTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTC
ATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTGCAGCGAT
CTT

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1576:8693:36526_2:N:0:TCTGCAAG+GCTGCACT
AGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAGTACCGAGGTGATCTCT
CTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1350:10619:6198_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCT
CTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTTAAAC
CAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1232:14714:22091_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

+

:F,F:,FFFFFFFF:FFFFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF:FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2304:12237:25160_1:N:0:TCTGCAAG+GCTGCACT
AGTTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTTCGAATAAACTAATGAGAGGTATAGGCTTA
GTCAAGTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGATTTC
TGA

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1522:30843:36151_2:N:0:TCTGCAAG+GCTGCACT
CAGAGCGTCATTTTCTTTGGGATCTTTCCTCTGGTAAGGGAATTATTAAATCATTCTTCTCACTCTT
GACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAA

+

F:FFFFFFFFFFFF:,FFF:FF
FFFFFFFF, :FFFFFF:FFFF,FFFFFFFFFFFF,FFFFFFFFF: :FFFF

@A00721:190:HGJW7DSXY:4:1249:4896:13792_1:N:0:TCTGCAAG+GCTGCACT
CTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTTGAAAGGAAAATAATTGGT

GATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCAT
AAG

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1278:12590:10175_2:N:0:TCTGCAAG+GCTGCACT
AGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAACTATCAGGTTCTTGTC
ACGATTCTTAAAAGAAGTTTATTA AAAACTTCAGAGTCTCTTGAAGTC

+

FFFFFFFFFFFF,FF
FF:FFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:1609:24777:19288_2:N:0:TCTGCAAG+GCTGCACT
TGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTA
CTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGT

+

F:,FFFFFFFFFFFF:FFFFFFFF:FF,F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFFFFFFFF:F::FFFFFFFF:F,FF:F:FF,:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1358:24099:2331_1:N:0:TCTGCAAG+GCTGCACT
AAAAGATCCTTTCACAAGCAATACCTTCCACTGAGTTCATCACCAGAGTTTCGACGTCGCGAAAA
CGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTT
TTG

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2172:23954:15170_1:N:0:TCTGCAAG+GCTGCACT
TGATGGCTCAGTACAGGGAGGAGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTTGA
GAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTACACTCGAAATATGGGCC
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1634:7979:12085_2:N:0:TCTGCAAG+GCTGCACT
GTTGGCGTCTTGTCGTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTGAGGAAGATCTCTACA
GAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGGACT

+

FF:::FFFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:F:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2327:29351:25238_1:N:0:TCTGCAAG+GCTGCACT
CTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTT
CACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAATTTAGCAC
TT

+

FFFFFFF,FFFFFFFFFFFF:FF:FF
FF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1616:10691:4319_2:N:0:TCTGCAAG+GCTGCACT
TCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTT
ACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGT

+

FF:FFFFFFF:FFFFFF
FF

@A00721:190:HGJW7DSXY:4:2242:21368:9502_2:N:0:TCTGCAAG+GCTGCACT
GTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCT
CTTTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATC

+

FFFFFF:FFFFFFF,FFFF,FFFFFF:FFF:FFFFFFFFF,FFFFFF:FF:FFFFFFF
FF:FF:FFFFFFFFFFFFFFFF:FFF,FFF,F:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1649:30490:24267_2:N:0:TCTGCAAG+GCTGCACT
TTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGTACTTGGGTTTATCGGTTGTATTTTGATAAATTTG
TTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCTTGTC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,F:FFFFFFFFF:FFFFFFFFFFFFFFFF
F::FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1562:27814:14810_1:N:0:TCTGCAAG+GCTGCACT
GTCTAGCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTCCCTCCCTTTTTCGA
TTG

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFF:FFFFFFFFFFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:1443:25509:34240_2:N:0:TCTGCAAG+GCTGCACT
AGGTTTTCTTTTATGGGACTCTTGTGTACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGT
AGGTCTCCTAGTACTTAAGGTTTATGTTTCGTTTCAGCTGGATGGA

+

FFFFFFFFFFFFFFFFF:FFFF:FFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1366:20211:24158_1:N:0:TCTGCAAG+GCTGCACT
ATACGAGATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTTATTATGTGCTAAAGC
CTGTCCAGTTGTGATGATGTTCCGGCTGTGGGATTAACCTCCCTCGTGAACTTACGACGATGTT
TCG

+

F,FF::FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFF:FFF
FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1123:3152:14935_1:N:0:TCTGCAAG+GCTGCACT
ATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTATGAGGATG
TCTTGGTCGAAAAATATCGCCGGAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACC
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1114:30156:34460_2:N:0:TCTGCAAG+GCTGCACT
CACAGAAACCGTCTCAGGAACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGA
CTGAGACCTCTGAATTTTCAGGCTGCCCTGATGAGGACGTTGAAAGGG

+

FFFFFFFFFFFFFFFFF:FFF
FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1625:11234:6511_2:N:0:TCTGCAAG+GCTGCACT
AGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAA
CAGAACAAGCGAGCGGTTGAAGAGAAACTGATATGTTGCGGCTGAT

+

FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2513:26169:20134_1:N:0:TCTGCAAG+GCTGCACT
CTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCAAGGTGAAAAGTTTGAAAT
TAACAAAGTCCTTGGAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAGGTA
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2456:15356:15718_1:N:0:TCTGCAAG+GCTGCACT
TGACCCTGTTTTTGCATCACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGAT
ACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTCA
CGT

+

FFFFFFFF:FFFFFF,FFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1354:30472:1313_2:N:0:TCTGCAAG+GCTGCACT
GATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCA
AGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGA

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2421:10538:29011_2:N:0:TCTGCAAG+GCTGCACT
TTATTCCTGGAACACCTTAACGTCCTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAG
TCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAG

+

FF
FF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2104:3685:35430_1:N:0:TCTGCAAG+GCTGCACT
CCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTAC
AACGGAAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGTTCTTGAACGGTGT
TTG

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1277:30436:7827_1:N:0:TCTGCAAG+GCTGCACT
GATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGA
CGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCT
ATT

+

FF,FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2237:18801:4460_1:N:0:TCTGCAAG+GCTGCACT
AAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTT
ATCACGCAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAG
TGT

+

FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2441:31403:24784_1:N:0:TCTGCAAG+GCTGCACT
ACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGT

CATGATGACTACTATAAGGGTGAAATCGATTTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTTGTAAGC
AGC
+
FF
FFFFFFF::FFFFFFFFFFFFFF:F,F,FFFFFFFF::F:FFFF:FFFF:FFFFFFFF,F,FFFFFF
F,F
@A00721:190:HGJW7DSXY:4:1225:20112:9737_2:N:0:TCTGCAAG+GCTGCACT
TTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATTTTTGTCACGCCAGGAGTATCCATAA
CGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAA
+
FFFFF:FF
FF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2534:18873:16172_2:N:0:TCTGCAAG+GCTGCACT
TAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTGGTTG
TCGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATC
+
FF:FFFFFF:FFFFFFFF
FFFFFFFF:FFFF:FFFFFFFF:FFFFFFFF:FF:FFFFFFFF,F,FFF
@A00721:190:HGJW7DSXY:4:1231:10484:29982_2:N:0:TCTGCAAG+GCTGCACT
TGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTACAAGATCATCGT
TAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGA
+
FFFFFFFFFFFFF:FFFFFF:FF
FFFFFF:FF:FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1177:28302:11898_2:N:0:TCTGCAAG+GCTGCACT
TTAAAGACTATACTAAATATCTCCACTACGAGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTG
+
FF
FF:FFF
@A00721:190:HGJW7DSXY:4:1562:20582:7200_2:N:0:TCTGCAAG+GCTGCACT
TCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTT
CCTTGTGAAAATTTTGATGCGTTTCATAAGATTATCAGTAATCCTGA
+
FFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1545:12617:35243_1:N:0:TCTGCAAG+GCTGCACT
ATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAG
CTC
+
FF:FFF:FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2369:12246:3411_2:N:0:TCTGCAAG+GCTGCACT
CTGATACTTATCACGAAAGACTTGAGTCTTTAGATCAGTCTCTGACTTGACCATCTTTCATTTTAA
TGACGATCATTAAGACTCTCTATCTTCTTTGTTTCCTTCTTTGCACTG
+
F,FFFF,FFFFFFFF:FFF::,F:F,FF:F,FF,FFFF,,F::FFFFFFFFF,:FF,FFFFFF,,,FF
::FFFF,FF,:FFFF,FFFF,,FF,F,FF,FFFFFF:F,FFF:F,F:
@A00721:190:HGJW7DSXY:4:1642:1090:5666_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGC
GAACCTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAACTGTGGTGTCTTGA
TCT

+
F:FFFFF:::FFF:::FF:FFF::FFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFFFFF:FFFFFFFF:FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1609:4698:15859_1:N:0:TCTGCAAG+GCTGCACT
ATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTT
TCGACTCCTTTAAGCGTCTTCTGTTCATCGCAACCAGATGATATCTTCTATTCTGAACCTATGTTTCGA
TCA
+
FFFFFFFFFFFFFFFFF:FFFF:FF
FFFFFFFFFFFF:FF
FF:
@A00721:190:HGJW7DSXY:4:1636:21730:35931_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTAATGTGGCCTGAACTACGTTTCACTTTGTGTGTAAGTTTCTATTCTTCTAAGTTTGTCTTCC
TTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTA
+
FF
FF:FFFFF
@A00721:190:HGJW7DSXY:4:1429:29134:34100_2:N:0:TCTGCAAG+GCTGCACT
CGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATA
ATTGGTATTGACTTTGGTCCCACCTTTTCTACTGTCTGTCTCGCCTCT
+
FF
F:FFFFFFFFF:FFFFFFF, FF
@A00721:190:HGJW7DSXY:4:1178:21169:31015_1:N:0:TCTGCAAG+GCTGCACT
CTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTCTAATAATGATGACACTATTGT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2366:9019:29606_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2452:18954:6668_1:N:0:TCTGCAAG+GCTGCACT
TTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGTTTGGTCGTTTCAGTACCCAGTCAGTAT
ACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTAT
GAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2541:29930:25050_2:N:0:TCTGCAAG+GCTGCACT
TCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGT
GGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTAT
+
FFFFFFFFFFFFFFFFF:FF, FFFF
FF:
@A00721:190:HGJW7DSXY:4:1633:26350:12555_1:N:0:TCTGCAAG+GCTGCACT
ATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCC

@A00721:190:HGJW7DSXY:4:1344:32398:13041_1:N:0:TCTGCAAG+GCTGCACT
TACTAACTTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACT
TCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGGATTTTAATATAAAGAATCTTTACCAGGACT
CCT

+

FFF,:F:FFFF,FFFFFFFFF,FFFFFFFFFFFFFFF::F:FFF:FFF:FFFFFFFF:FFFFFFFF::FFF
FFFFFFFF:FFFFFFFFFFFFFFF,FFFFFFFFFFFFFFF,,FFFFFFFFFFF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1461:4571:4492_1:N:0:TCTGCAAG+GCTGCACT
TGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAA
CTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGG
GAC

+

FF:FFFFFFFFF,FF:FFFFFFFFF:FFFFFFFFFFFFFFF,FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:FFFF:FFFFFFF:FF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2325:27543:28181_2:N:0:TCTGCAAG+GCTGCACT
TAAAGGAAGATCTGTTATCGGCGGTTTATCGTTTACGAAGTATCACTCCCCCGGTGAATGGTTTAAGA
ATACTATAAATAGAATAGCTATTACTACTAATGGCGTTGCCTAGTGG

+

FFFFF:FFFFFF::FFFFFF,F:FFF,FFF,F,F:FFFF,FFFF,FFF,:FF,FFF,F,,,F,:F:F
:,,FF:FFFF,FFFFFF:FF,F:F::F,:FFFFFF,FF:F,F:FFFF

@A00721:190:HGJW7DSXY:4:2612:32832:27696_1:N:0:TCTGCAAG+GCTGCACT
TTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAG
TAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTT
AAA

+

FFF:FFFFFFFFF:F
FFFFFFFFFFFFFFFFF:FFFFFFFFFFF,FFFFFFFFFFFFFFF:FFF:F::FF:,FFFF,FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2517:10004:25708_1:N:0:TCTGCAAG+GCTGCACT
CCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGA
AGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTTCTACGATACAAATGATAACTTCTAATTTAC
GTT

+

FF,FFFF,F:FFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF:FFFFFFFFF
FFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2521:5339:21825_2:N:0:TCTGCAAG+GCTGCACT
AAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATA
ATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAG

+

FFF:
FFFFFFFFF:,FFF:FFFFFFFFF:FFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2113:11017:23390_1:N:0:TCTGCAAG+GCTGCACT
AAATTTATAGAAGATTATTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTGATAGCTTATCT
AGGTACTCTCATTTACTATGTTGATTTAGTCTACATTTATGCTGATCTAAAATTTGATCTAGATGGA
TCC

+

FFFFF,FF:FFFF:FFFFF,FFFF:,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1319:17508:24455_1:N:0:TCTGCAAG+GCTGCACT
TTATAGAATTATTAATTATAATATTCAACCTCAAAGTTACGTGTTTACAGTAACGAGATCACACATT

CTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAAATAAAATA
ATA

+

FF,F,FFFF,FFFFFFFFFFFFFFFF,FF:::FFFFFF::F:FFF:,FFFF,,F:FFFFFF,FFF
,FFFF:,FFFFFF:FFFFFFFF,FFFF:FFFFFFFF:F:FFFFFF,FF,FFFFFF:FFFFFF:F:
,FF

@A00721:190:HGJW7DSXY:4:1362:31403:9815_2:N:0:TCTGCAAG+GCTGCACT
CAAATAGTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATA
GGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACT

+

FF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1323:2266:7169_2:N:0:TCTGCAAG+GCTGCACT
CTTCACCCAAATGAAGGACACTTCGAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCAT
CTGAAAAGGCTCTAAAGGACACTATACAATATCCAGACGACGACGAA

+

FF:FFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2117:5692:30420_2:N:0:TCTGCAAG+GCTGCACT
CAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTAC
GAATTGGTCCAACATTTACCACCAAATTTCTTTGATACAACCTAGCC

+

FF:FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2648:22227:4914_1:N:0:TCTGCAAG+GCTGCACT
ATACGCTTGCTATTCACCAGATTGGTTCGATCACGTTGTTGCTATGTCAGAAAGTAGCTATTCAAGCTT
GTCGTTTTAAGTCTGCAGAGGCTGTCATTCAAGCCAAGACTCTAGGTGTCCAATCAAAGGTTTTGAAT
TTA

+

FF,FF,FFF::,FF::,FF,,:F,FFF,F,,,,,FF,,,FF,F,FF,,,FF,F:FFF::FF:F:FF
FF,:FFF,,FF,:F::,:FF::,FFF,,,FF,,,,:FFF::,FF,F::,,,F,FF:FFF:F,,F
,FF

@A00721:190:HGJW7DSXY:4:1408:24985:21214_2:N:0:TCTGCAAG+GCTGCACT
GGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGA
AAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTAT

+

F:FF:F:FF:F:FFFF:FFFFFFFF,::F
FFF,F,:F,FF:FFFF:,FFF,FFFFFF,FFF:::,FFFFFF,FF,F

@A00721:190:HGJW7DSXY:4:1365:25979:20181_1:N:0:TCTGCAAG+GCTGCACT
CGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCT
TTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTTGCA
GAT

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1102:5249:19820_2:N:0:TCTGCAAG+GCTGCACT
CTATATACATTATAAAATATAAAATAAGGGAGTCATAACTTTTGTTACCAATTCTTGGCTTTCAAC
GAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATT

+

FF
FF:F

@A00721:190:HGJW7DSXY:4:1176:14127:32158_1:N:0:TCTGCAAG+GCTGCACT
TTGATCTACGTCGTTTAACTGTCGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT

TATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTA
ATA

+

FF:FFFF
FF:FFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2475:19633:29262_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTCCAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCA
TCTCAACGAGTATAAAGCGTGTTCCTGCTGAACGTAATACACGAAGAGATCAACCGCAAACGACT
CGA

+

::F,,::F,:,FFFF::F:::,F::,F,F,F:::,F::,F,F,,FFFF,,FFF,:::,F:,FF:F
F,F:F:FF,F,,FFF,F::,,FFF,F:::,F,F::,FFF,:F::,F,,:F:F,FFFF,FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1642:1949:8030_2:N:0:TCTGCAAG+GCTGCACT
TTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTAGTTATGTTGTACTTTTTATAATTTAT
AACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCC

+

FF
FFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1336:24722:18474_2:N:0:TCTGCAAG+GCTGCACT
CTTATTGTAACGATCATTCTTCGAGTTTTGTCATTCTTATTCTTTTATTCCTTTAACTGTGTATGAG
GAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTAAATAAA

+

F::F,FFFFFFFF:F::F,FF,F,FF:::,FF:FF:FF,F:FFFF::FFF,FFFF,,F:FFFFF,
:FFFFFFFF:FFFF,F:FF,FFFFFFFF,,FF:,FFF,F:FFFF,FF,F

@A00721:190:HGJW7DSXY:4:2112:1154:11099_2:N:0:TCTGCAAG+GCTGCACT
CTTTACTCACAGACTCCGAAAATGGTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTAT
CCGATTCTTCGAGGGTATTACTACCACTGATCTGCCGACTTTAGTCAA

+

FF
FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1621:32271:1391_2:N:0:TCTGCAAG+GCTGCACT
TTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAAATTTAGAAC
TTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGA

+

FF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1503:13946:29277_2:N:0:TCTGCAAG+GCTGCACT
ATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGA
TTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATAT

+

FF
FFFF:,FFFFFFFFFFFFFFFF:FFFFF:F::FFFFFF:FFFFFF::,F:F

@A00721:190:HGJW7DSXY:4:2334:28592:14372_2:N:0:TCTGCAAG+GCTGCACT
TATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGAT
TAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1436:31557:6605_2:N:0:TCTGCAAG+GCTGCACT
TTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAG
TACCTGAACCTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF:FFFFFFFF:FFF,FFF:FFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1505:1850:18756_2:N:0:TCTGCAAG+GCTGCACT
CTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATC
ACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATT

+

FFFFFFFF:FFFFFFFF:FFFFF,FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:1478:22453:6558_1:N:0:TCTGCAAG+GCTGCACT
TGTATAGTTCAAGGAGTACTTAATTCATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTG
TATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTG
GGG

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF,,FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2464:21007:9596_1:N:0:TCTGCAAG+GCTGCACT
ACTCCCCAACATAACATAACCTACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTA
GGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTGTG
CAG

+

FFFFFFF:FFFF:FFFF:FFFFFFFFF,F,FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1675:18385:5212_1:N:0:TCTGCAAG+GCTGCACT
CCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCT
GTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTCTGT
GGG

+

FFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1554:10646:27132_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAG
AGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCAAGCC
AAT

+

FFFFFFFFFFFFFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1449:13512:1407_2:N:0:TCTGCAAG+GCTGCACT
TGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCA
AAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGA

+

FFFFFFF,FF
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1267:19623:31093_2:N:0:TCTGCAAG+GCTGCACT
AATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCG
CTGCTACGAAGTCGCTGAAGGCGCTTGGGTCATTAAGGGTAGCTGTA

+

FF:FFFFF
FF:FFFFF
@A00721:190:HGJW7DSXY:4:1259:28212:14810_1:N:0:TCTGCAAG+GCTGCACT
CCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAA

FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2510:19560:14920_2:N:0:TCTGCAAG+GCTGCACT
TCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTT
GAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGAT

+
FF
FF
@A00721:190:HGJW7DSXY:4:2101:15646:17534_2:N:0:TCTGCAAG+GCTGCACT
CGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTGCGCAGTTTCCAGAATTGC
GGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCA

+
FF
FF
@A00721:190:HGJW7DSXY:4:2137:1479:26694_1:N:0:TCTGCAAG+GCTGCACT
ATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTTCAT
ATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTA
TAC

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1439:9787:17284_2:N:0:TCTGCAAG+GCTGCACT
TTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGAGGGAAGCAAATGTTTCGTTC
TGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATA

+
:FFFFFFFFFFFF:,FFFFFFFFFFFF,FF:FFFFFF,F,FFF:FFF
FFFFFFFFFFFFFFFF:FFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,
@A00721:190:HGJW7DSXY:4:2525:15691:14231_1:N:0:TCTGCAAG+GCTGCACT
CTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTTCGTCTTAGTTT
GTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGT
CAT

+
FF
FF:FFFFFFFFFFFFFFFF:FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1671:31557:21073_1:N:0:TCTGCAAG+GCTGCACT
GGTTATTCTCACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACA
ATTGTTCCATTGTGAACCTTTGGGGACTAGATTGAGCATTAATGAGTTCCGAATAACTCGTAATAAAT
CTT

+
FF:FF:FFFFFFFFFFFF,FFFFFFFFFFFFF
FFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2101:2709:4836_1:N:0:TCTGCAAG+GCTGCACT
CCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAATAAGCGAGG
TTCGTTCTCAATAAAAAATTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTC
AGT

+
FFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2136:9815:34334_1:N:0:TCTGCAAG+GCTGCACT
CTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTC

ATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGAT
CTT

+

FFFFFFFF:FFF,FFFFFFFF,FFFFFFFF:FF:FFF:F:FFFF:FFFFFFFFFFFF:FFF:
FFFF,FFF,FFFFFFFF,FFFF,FFFFFFFFFFFF:FFF,FFFFFF:FFF,FFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2261:16288:7529_2:N:0:TCTGCAAG+GCTGCACT
AGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTAACGTTAGTACCGGAGGTGATCTCT
CTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACT

+

FFFFFFFFFFFF:FFFFFFFFFFFF:F::FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1350:11740:7263_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTAACGAATCTTGAACTACGGTCTTATCAAAGAAAATGGTGAACCGGTCT
CTAAATCTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAC
CAA

+

:FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1236:27769:35430_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

+

FFFFFF:,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2456:7654:30906_1:N:0:TCTGCAAG+GCTGCACT
AGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTGAATAAACTAATGAGAGGTATAGGCTTA
GTCAAGTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTTCTTGATTTC
TGA

+

FFFFF::FFF,FF,FFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FF:
FF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1623:15157:32002_2:N:0:TCTGCAAG+GCTGCACT
CAGAGCGTCATTTTCTTTGGGATCTTCTCTGGTAAGGACTTATTAAATCATTCTTCTCACTCTT
GACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTCAAAA

+

FFFF,FFFFFFFF:FFF:FFFF:FFFF:FFFF:FFFF,FFF:F,FFFFFF:FFF:FFFFFF
FFFFFFFFFF,FF,:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF:

@A00721:190:HGJW7DSXY:4:1249:5421:27508_1:N:0:TCTGCAAG+GCTGCACT
CTGATGTTTTCTACAGAGTGCAGTCGTTCAACACTTATCACCACCTTTGAAAGGAAAATAATTGGT
GATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCAT
AAG

+

FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1473:26006:9518_2:N:0:TCTGCAAG+GCTGCACT
AGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCAAACTATCAGGTTCTTGTC
ACGATTCTTAAAGAAGTTTATTAAAACTTCAGAGTCTCTTGGAAGTC

+

@A00721:190:HGJW7DSXY:4:1378:23321:13542_2:N:0:TCTGCAAG+GCTGCACT
TACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGT
AGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTCGATTGGATTCTGA

+

FFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1527:22399:6057_2:N:0:TCTGCAAG+GCTGCACT
AGGTTTTCTTTTATGGGACTCTTGTGTGACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGT
AGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGA

+

FFFFFFF:FF
FFFFFFFFFF:FF,FF

@A00721:190:HGJW7DSXY:4:1539:29613:20901_1:N:0:TCTGCAAG+GCTGCACT
ATACGAGATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTTATTATGTCGCTAAAGC
CTGTCCAGTTGTCGATGATGTTCCGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTC
TCG

+

FFFF:,FF
FF::FFFFF,FF::FFFFFFFF:FF:FFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1477:24623:14638_1:N:0:TCTGCAAG+GCTGCACT
ATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATG
TCTTGGTCGAAATATATCGCCGGGATCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACC
GAT

+

:FFFFF:FFFFFFFFFFFFFFFF,FFFF:FFFFFFF:F:FFFFFFFFF:F:,F,FFFFFF:FFF,F:FF
F:FFFFF:FFFF,FFFFFF:FFFF,F:F,FF:FFFFFFFF:FFFF:F::FFFFFFFF:FFFFFFF
F,F

@A00721:190:HGJW7DSXY:4:1143:28348:1548_2:N:0:TCTGCAAG+GCTGCACT
CACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCCGAATTAGAGAAAGACGACCTTCTTGTGGGGA
CTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAGGG

+

FF
FFF,FF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1657:17291:26365_2:N:0:TCTGCAAG+GCTGCACT
AGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAA
CAGAACAAGCGAGCGGTTGAAGAGAAAAGTATGTTGCGGCTGAT

+

:FFFF:F,FF,:FFFF:F:FFFFFFF,FF,FFFFFFFF:FF:FFF,FF::FFF:F::FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1544:28103:6386_2:N:0:TCTGCAAG+GCTGCACT
TAGAAAGATCACTCTCGGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATT
TTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1628:7102:20588_2:N:0:TCTGCAAG+GCTGCACT
CACTTACAAGAGTGTTAAGTACCGCAACATGGATCAGTTTCTAAAAAGCTATTAATAGCAGTTGCG
GGGCTATAATACCGCTCCAGATTACTCTAACTGAATCCACTCTCTT

+

FFFFFFFFFFFFFFFFF,,:FFFFFFFFFFFFFFFF:FFF:FFF,FFF:FFFFFFFFFFFFFFFF,FFFF
,FFFF:FFF::FFFFFFFF:FFFF:,FFF:FF:FFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2613:10312:17534_2:N:0:TCTGCAAG+GCTGCACT
TTTGAACTGTGTAATGTCCTACGTACTGTTCAAGGTGTTGGGCTTCTCTAAAGAACAGCAACTTTC

+

@A00721:190:HGJW7DSXY:4:2252:16803:20322_2:N:0:TCTGCAAG+GCTGCACT
AAAGAGGGTTTGGAAATTACGGAACCTTCTCGTTCTTCATGAAGATCTTCGAGTGTTCATAGTGA
GTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTGTTGACTACGATCT

+

@A00721:190:HGJW7DSXY:4:2234:31168:8343_1:N:0:TCTGCAAG+GCTGCACT
AGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAAC TTATAGCGACTTTTGTG
GAATTTTTCGCAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCGAGAAGAGATAGT
GAC

+

@A00721:190:HGJW7DSXY:4:2227:7581:28839_2:N:0:TCTGCAAG+GCTGCACT
CACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTG

+

@A00721:190:HGJW7DSXY:4:1361:4553:13761_1:N:0:TCTGCAAG+GCTGCACT
CGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTTATA
CCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTAC
TTC

+

@A00721:190:HGJW7DSXY:4:1473:19768:1282_2:N:0:TCTGCAAG+GCTGCACT
GATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCGCGACGTTTGTGCGAACTCTCAGA
GGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACAC

 $+$

@A00721:190:HGJW7DSXY:4:2578:1099:9565_1:N:0:TCTGCAAG+GCTGCACT
CTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCAAGGTGAAAAGTTTGAAAT
TAACAAAGTCCTTGGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAGGTA
ATA

 $+$

@A00721:190:HGJW7DSXY:4:2605:1994:32659_1:N:0:TCTGCAAG+GCTGCACT
TGACCCTGTTTTTGCATCACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGAT
ACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCA
CGT

+

[illegible]


```

:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FF
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1261:15483:19633_2:N:0:TCTGCAAG+GCTGCACT
TGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTACAAGATCATCGT
TAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGA
+
FFFFFFFFFF,FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FF,:::F:FFFF:FFFFFFF
,FFFFFFFFF:F:F:FFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFF:F
@A00721:190:HGJW7DSXY:4:1177:30047:13917_2:N:0:TCTGCAAG+GCTGCACT
TTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2159:20708:4006_2:N:0:TCTGCAAG+GCTGCACT
TCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTT
CCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1546:30454:21919_1:N:0:TCTGCAAG+GCTGCACT
ATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAG
CTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2567:6912:12399_2:N:0:TCTGCAAG+GCTGCACT
CTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAA
TGACGATCATTAAGACTCTCTTCTTCTTTGTTTCCTTCTTTGCACTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF:FF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2139:32570:13777_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCTAATATGTGTTTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGC
GAACCTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAAGTGTGGTGTCTTGA
TCT
+
FFFFF,FFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2336:18240:25254_1:N:0:TCTGCAAG+GCTGCACT
ATACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTT
TCGACTCCTTTAAGCGTCTTCTGTTTCATCGCAACCAGATGATATCTTCTATTCTGAAGTATGTTTCGA
TCA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1642:10764:2534_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTAATGTGGCCTGAAGTACGTTTCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTTGTCTTCC
TTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTA
+

```

FFFFFFFFFFFFFFFF:FF:FF:F
FF
@A00721:190:HGJW7DSXY:4:1445:17454:3537_2:N:0:TCTGCAAG+GCTGCACT
CGACAACAGCAGGGGTTTTCTGAATAGTGATAGCCACCCGCTTACAGAGGGCAGCAGCATGACCATA
ATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCT
+
FF
FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1241:18177:2002_1:N:0:TCTGCAAG+GCTGCACT
CTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2368:12997:21527_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTTAAACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATC
+
FFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1127:13358:2581_1:N:0:TCTGCAAG+GCTGCACT
TAGGGATTTTGAAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTTCAGTACCCAGTCAGTATA
CCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATG
AAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2552:1868:1846_2:N:0:TCTGCAAG+GCTGCACT
TCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGT
GGTGGTACTTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTAT
+
F,FFFFFFFFFFFF:F,F,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F::FFFF,FFFFFFFFFFFF:FF:F:FFFF
FF
@A00721:190:HGJW7DSXY:4:1674:31919:6699_1:N:0:TCTGCAAG+GCTGCACT
ATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCC
GCCACCACACAACCTTTCAGTTTCACTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAAT
ACT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2102:20148:25801_2:N:0:TCTGCAAG+GCTGCACT
GATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGA
TAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1537:29125:3709_2:N:0:TCTGCAAG+GCTGCACT
TGCTGAAACAGCTATTAAAGCTGTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTG
AAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCT
+

@A00721:190:HGJW7DSXY:4:2358:24108:3098_1:N:0:TCTGCAAG+GCTGCACT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGT
TACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGAT
GAG

@A00721:190:HGJW7DSXY:4:2110:8712:19022_2:N:0:TCTGCAAG+GCTGCACT
CGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGG
TGCAGGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTAT

@A00721:190:HGJW7DSXY:4:2242:10113:3255_1:N:0:TCTGCAAG+GCTGCACT
CTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAGTTAAAGAGTCGATTA
CAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTC
AGT

@A00721:190:HGJW7DSXY:4:1344:13747:10426_2:N:0:TCTGCAAG+GCTGCACT
CTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTCGCTTC
CTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCG

@A00721:190:HGJW7DSXY:4:1340:31864:20071_1:N:0:TCTGCAAG+GCTGCACT
GTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAGTTTCGTTTCGTA
CCTTGATGCTGACTTTCGTC AATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTG
CGA

@A00721:190:HGJW7DSXY:4:1546:21088:22294_1:N:0:TCTGCAAG+GCTGCACT
TACGAAC TTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACT
TCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGGATTTTAATATAAAGAATCTTTACCAGGACT
CCT

@A00721:190:HGJW7DSXY:4:1509:21088:16282_1:N:0:TCTGCAAG+GCTGCACT
TGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAA
CTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGG
GAC

[illegible]

@A00721:190:HGJW7DSXY:4:2676:24478:27164_2:N:0:TCTGCAAG+GCTGCACT
TAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAAGA
ATACTATAAATAGAATAGCTATTACTACTAATGGCGTTGCCTAGTGG

+

FFFFFFFF:FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:F:FFFFFF

@A00721:190:HGJW7DSXY:4:2643:29731:35164_1:N:0:TCTGCAAG+GCTGCACT
TTTAGGTGGTCTTTATTCTATTATTGATTTTATGAGATTGATACGCTAACAGAAGATGATGTTAGAG
TAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTT
AAA

+

FF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FFFF:FFFFFFFFF,F:FFFF:FFFF:FF
F:F

@A00721:190:HGJW7DSXY:4:2134:22643:9298_1:N:0:TCTGCAAG+GCTGCACT
CGATAAGGGTCACTAGTCTTACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAA
GGAAAATTTTATCCTCGTTAACTTACTTAGACTTTCTACGATACAAATGATAACTTCTAATTTACG
TT

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:2576:31575:5040_2:N:0:TCTGCAAG+GCTGCACT
AAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATA
ATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTCGAG

+

FF
FFFF:FFFFFFFF:FFFFFF:F,FFFFFFFF:F:FFF,FFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:2274:8603:8249_1:N:0:TCTGCAAG+GCTGCACT
AAATTTATAGAAGATTATTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTGATAGCTTATCT
AGGTAATCTCATTACTATGTTGATTTAGTCTACATTTATGCTGATCTAAAATTTGATCTAGATGGA
TCC

+

FFFFFFFFFF,FF:FFFF:FFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1509:10330:27085_1:N:0:TCTGCAAG+GCTGCACT
TTCTAGAATTCCTTAATTATAATTTCAACCTCAAAGTTACGTGTTTACAGTAACGAGATCACACATT
TTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATA
ATA

+

FF:FF:FFFF,FF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF,FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1364:4779:29121_2:N:0:TCTGCAAG+GCTGCACT
CAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATA
GGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACT

+

FFFFFFFFF:FF:FFFFFFFFFFF:FFF
FF:FF

@A00721:190:HGJW7DSXY:4:1630:29279:24111_2:N:0:TCTGCAAG+GCTGCACT
CTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCAT
CTGAAAAAGGCTCTAAAGGACACTATACAATATCCAGACGACGACGAA

+

FF
FF
@A00721:190:HGJW7DSXY:4:2212:13693:13933_2:N:0:TCTGCAAG+GCTGCACT
CAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTAC
GAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAGCC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1161:9344:7780_2:N:0:TCTGCAAG+GCTGCACT
CGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTC
GTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1511:17472:33849_2:N:0:TCTGCAAG+GCTGCACT
GGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGA
AAAGTCCGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2242:25455:16172_1:N:0:TCTGCAAG+GCTGCACT
CGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCT
TTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTTGCA
GAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1370:17788:8155_2:N:0:TCTGCAAG+GCTGCACT
CTATATACATTATAAAATATAAAATAAGGGAGTCATAACTTTTGTTACCAATTCTTGGCTTTCAAC
GAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATT
+
FF:FF
FF
@A00721:190:HGJW7DSXY:4:1223:13295:2660_1:N:0:TCTGCAAG+GCTGCACT
TTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT
TATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTCTTAGCTA
ATA
+
FF:FF:FFFFF,F:FFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFF:F
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
F,F
@A00721:190:HGJW7DSXY:4:2672:25220:16673_1:N:0:TCTGCAAG+GCTGCACT
TATGATTACTAAAACCAACTCTTCTTTACTTGACCTGTTGGTAGAATAGATTTAGTCTCTACACCCAT
CTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAATAGATCATCCGCAAACGACTC
GA
+
:,FF,:FF,FFF:F,F,:,:,F:,,F,F,,,,:,F,,,,F:,F:F,:FFF,,,,F,,,F:FF,F,
:,F:,:,,,,:F:,:,,,,:FFF,FFF,F,F,F,:FF::FF,F:,,,F,,F:FF,,FFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2205:10013:28103_2:N:0:TCTGCAAG+GCTGCACT
TTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTAT
AACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCC
+

```
,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,FFFFFFF:FF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF  
FF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFF:FFFFFFFFF  
@A00721:190:HGJW7DSXY:4:1107:30761:20729_2:N:0:TCTGCAAG+GCTGCACT  
TTGTAACGATCATTCTTTTCGAGTTTTGTCACTTCTTATTCTTTTATTCCTTTAACTGTGTATGAGGAGG  
ATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTAC  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF  
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:  
@A00721:190:HGJW7DSXY:4:2137:24126:18223_2:N:0:TCTGCAAG+GCTGCACT  
CTTTACTCACAGACTCCGAAAATGGTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACATTAT  
CCGATTCTTCGAGGGTATTACTACCCTGATCTGCCGACTTTAGTCAA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF  
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:1660:26404:16063_2:N:0:TCTGCAAG+GCTGCACT  
TTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAAATTTTAGAAC  
TTTATTTCAGA ACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFF  
@A00721:190:HGJW7DSXY:4:1548:26422:5509_2:N:0:TCTGCAAG+GCTGCACT  
ATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGA  
TTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATAT  
+  
FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF,FFFFFFFFFFFFFFFFFFFFF::,FFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2439:14362:5916_2:N:0:TCTGCAAG+GCTGCACT  
TATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGAT  
TAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACC  
+  
:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:  
@A00721:190:HGJW7DSXY:4:1523:18195:7232_2:N:0:TCTGCAAG+GCTGCACT  
TTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAG  
TACCTGAAC TTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2205:5177:29246_2:N:0:TCTGCAAG+GCTGCACT  
CTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATC  
ACACTCCTAAATTTGATAGCAATTTATGTTTAAATGCTAGGAAAATT  
+  
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:1502:32533:25864_1:N:0:TCTGCAAG+GCTGCACT  
TGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTG  
TATAAGAGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTG  
GGG  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFF,FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1153:4155:14857_1:N:0:TCTGCAAG+GCTGCACT  
CTCCCCAAACATAACATAACCATAACCTACCATGACCAATCATCGCTCCA ACTGGCACGCCAGACGTAG
```

GGTCAAACCTACTACCGCCTGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAGGGACCCGCTGTGC
AGA

+

FFFFFF:FFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFFFFF:FF
F:F

@A00721:190:HGJW7DSXY:4:1119:29830:9533_2:N:0:TCTGCAAG+GCTGCACT
AAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGT
TGCCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGG

+

FF,FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1175:32940:31516_2:N:0:TCTGCAAG+GCTGCACT
TCTGTGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATAGATC
GGAAGAGCGTCGTGTAGGGAAAGAGTGTAGTGCAGCGGGTGGTGGGGG

+

FF:FFFFFFFFFFFFFFF
FFFFFF:FF:FF,FF:FFF,FFFF:FF,FFF:,F,,:,,F,,,,,F

@A00721:190:HGJW7DSXY:4:1518:10456:34538_2:N:0:TCTGCAAG+GCTGCACT
CCCTCCGCTGGCAGCAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGT
TACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCAA

+

FF
FFF

@A00721:190:HGJW7DSXY:4:2103:6027:13025_1:N:0:TCTGCAAG+GCTGCACT
CATCCGAGATCTTGACAGAGTGAAGTGGAGTTCAGACGTGTGCTCTTCCGATCTGGAAGATCTCCCACCA
TCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGC
TT

+

FF,,,FFF,F,FF,FFF:FFFFFFFFFFFF,:FF,FFFF:FFFFFFFFFFFF,FF,FFF:FFF,FF:,,,
FF:FFFFFFFFFFFF:F:,,,FF:,F,F::,F:,FFFF:FF,FFFF:FFFFFF,FFF:FFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2376:15492:3082_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGTTGCGCCTGCCGACCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTAT
GAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT

+

FF
FFF

@A00721:190:HGJW7DSXY:4:2374:5113:16642_1:N:0:TCTGCAAG+GCTGCACT
CTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGTGAC
GAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGAT
CCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2470:23863:22310_2:N:0:TCTGCAAG+GCTGCACT
AGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCTTAAGCACCGAGGTAAGCTCGGGACTT
ACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCAGAATG

+

FF:FFFFFFFFF:FFF
:FF:FFFF:FFFFFFFFFFFFFFFFFFFF:,FFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2178:23303:24126_1:N:0:TCTGCAAG+GCTGCACT
TGAGGTAAAACCTCTTGCTCCTTCTGTGGGTGAGGGTTTTGTTTTAGTCACTGGTTCTGGGAGGCTG

CTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCCCACATATG
GT

+

FFFFFFFFF,,FFF,FFFF,F:F,FFF::FFFFFF,FF:FFFFFF,FF,FF,FFF:FF,FFF,,,FFFF
,FFFFFF,::FF,FF,FF,,:FFF:FFFFFF,FF:,,,FF:FFFFFF,FF,FFFF:FFF:::FFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1309:21884:4413_2:N:0:TCTGCAAG+GCTGCACT
ACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGT
CAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGAT

+

FF::FF
FF

@A00721:190:HGJW7DSXY:4:2306:5267:19006_1:N:0:TCTGCAAG+GCTGCACT
GCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTA
ACTGTCATTTAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAG
GAG

+

F:FF,FFFFFFFF:F,:FF,FFFFFF,FFFF,F,FFFFFFFFF:F:F,FF,FFFFFFFFFFFFFFFFFFFF
FFF,FFFFFFFFFFFFFF,FFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFFFFF,FFFF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2158:6072:4617_1:N:0:TCTGCAAG+GCTGCACT
CTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTAT
TTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTGTAGATAATCT
TTT

+

FFFFFFFFFFFFFFFF,FF,FF
FFFF:FF:FFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2541:20211:1611_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+

FF:FFFFFFFFF:FF
FFFFFF,FFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1446:22752:31313_2:N:0:TCTGCAAG+GCTGCACT
TGGCAGAATTCGGTAACCTACCATATTGTTCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAACT
ACTCCGATCAGATCCGGATGTTTGATTGGTATGGACTACTCGACTTT

+

FF:F
FF

@A00721:190:HGJW7DSXY:4:1338:19859:1564_1:N:0:TCTGCAAG+GCTGCACT
CATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTG
AGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTATGATTCAAAACCTATCGTTGTCGTA
CCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1466:32488:13385_2:N:0:TCTGCAAG+GCTGCACT
GCGGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCATTTCTATCTTGAATGCTAACG
CCGTCGAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACA

+

FF,FFF
FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1406:7717:31673_2:N:0:TCTGCAAG+GCTGCACT
TTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATAT
TTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAG

+

FF
FF:FFFF:FF

@A00721:190:HGJW7DSXY:4:2677:29993:9471_1:N:0:TCTGCAAG+GCTGCACT
AACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAG
AACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGA
TGA

+

FF:FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2338:11171:12258_2:N:0:TCTGCAAG+GCTGCACT
AATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCGCGCAATTATTGGACACGA
TGA AAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATG

+

FFFFFF:FF
FF
FFF:FFFF

@A00721:190:HGJW7DSXY:4:1233:17002:32565_2:N:0:TCTGCAAG+GCTGCACT
GTTATTCTCACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAA
TTGTTCCATTGTGAACTCTTGGGGACTAGATTGAGCATTAAATGAGTTC

+

F:FF:FFFFFFFFFF
FF
:FF:FF

@A00721:190:HGJW7DSXY:4:2631:21242:31861_1:N:0:TCTGCAAG+GCTGCACT
TCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGC
ATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAATTTTTCTCAAGAGATTATGGTTGATAA
AGT

+

FFFFF:FF
FFFFFFFFF:FFFF,FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1105:16848:32831_1:N:0:TCTGCAAG+GCTGCACT
TTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTT
CGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTTCATATAGATACGAG
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1103:24985:34178_2:N:0:TCTGCAAG+GCTGCACT
CAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACTTAAC
GTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG

+

FF
FF:FFF

@A00721:190:HGJW7DSXY:4:1126:26332:24267_1:N:0:TCTGCAAG+GCTGCACT
CCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTAGGTTTAGTA
GGTGATCTTGACGTCGATTCTTTGTATAGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCT
TAT

+

FFFFFFFFFFF:FFFFFFFFFFF,FFFFFF:FF

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FF,  
@A00721:190:HGJW7DSXY:4:1608:32244:10895_1:N:0:TCTGCAAG+GCTGCACT  
GAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGC GTTGT  
TCTTGGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAA ACTTCGAGGTT  
CAG  
+  
:FFFFFF,F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2649:7256:16720_2:N:0:TCTGCAAG+GCTGCACT  
GATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTTGAATGTTGTAAAGAATTG  
GGTTGAGAAGTGTGCTTTACAAGGAGAGATCGGAAGAGCGTCGTGTAG  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,  
FFFF  
@A00721:190:HGJW7DSXY:4:1654:11487:33442_2:N:0:TCTGCAAG+GCTGCACT  
TAAAGAAAAATTTT CGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTA  
CGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGGTATTTCTGAAA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1111:12536:32221_1:N:0:TCTGCAAG+GCTGCACT  
TTTCTCTGGTAAGGGAATTATTA AATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCT  
ACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTC  
AAC  
+  
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1456:25771:32158_1:N:0:TCTGCAAG+GCTGCACT  
AATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAA  
GGGGTTCATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTC  
TTA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1646:2844:3630_1:N:0:TCTGCAAG+GCTGCACT  
TCTTGTCACGATTCTTAAAAGAAGTTTATTA AAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATG  
TTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACT  
CAG  
+  
FF:FFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF:FFFF:FFFFFFFFFFFFFFFF  
FFF,:FFF:F,FFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1465:7835:13307_2:N:0:TCTGCAAG+GCTGCACT  
ACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCA  
TACCCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACACTG  
+  
FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:1461:15510:4867_2:N:0:TCTGCAAG+GCTGCACT  
TCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGG
```

AGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTT
+
FF
FFF:FF
@A00721:190:HGJW7DSXY:4:1306:22309:26569_2:N:0:TCTGCAAG+GCTGCACT
ATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGC
GTCTTGTCGTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTCA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1258:15239:27383_1:N:0:TCTGCAAG+GCTGCACT
TTTAGATAAATTCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGGTGATCTGA
ATCTGACCATCGCAAAGAAGACTTTATTAGTTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGC
TTC
+
F:FFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1217:7392:2926_2:N:0:TCTGCAAG+GCTGCACT
CCAAATTTAGCACTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCC
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF,FFF
@A00721:190:HGJW7DSXY:4:2418:19352:34287_2:N:0:TCTGCAAG+GCTGCACT
CCTAGTGTCTTTTCTAGAGTCCAAGGACGTTCCGTGCGAGGATGACAGGTGGGAGACCGCTCAATAA
CACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCT
+
FFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFF:FFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2671:28664:4946_1:N:0:TCTGCAAG+GCTGCACT
GATATCGCCTCTGTCTTTCTCTTTAATCGTGAGGTTACGAGAGTTTCGTACTTGGGTTTATCGGTT
GTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTG
ATA
+
FFFFFFFFFFFF:FFFFFF:FFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2136:27525:17127_1:N:0:TCTGCAAG+GCTGCACT
GTCTAGCCGCTGAGATTCTGTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTTCCCTCCCTTTTTCGA
TTG
+
FFF:FFF:FFFFFF:FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFF
:FF
@A00721:190:HGJW7DSXY:4:2233:18331:18020_2:N:0:TCTGCAAG+GCTGCACT
AGGTTTTCTTTTATGGGACTCTTGTGTGTTACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGT
AGGTCTCCTAGTACTTAAGGTTTATGTTTCGTTTCAGCTGGATGGA
+
FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2508:12563:6370_1:N:0:TCTGCAAG+GCTGCACT
ATACGAGATCTTGCAGAGTACTGGAGTTCAGACGTGTGCTCTTCCGATCTTATTATGTCGCTAAAGC

[illegible]

@A00721:190:HGJW7DSXY:4:2277:9914:27492_1:N:0:TCTGCAAG+GCTGCACT
CCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCAC
AACGGAAGACATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGTTCTTGAACGGTGT
TTG

[illegible]

@A00721:190:HGJW7DSXY:4:1569:29695:14278_1:N:0:TCTGCAAG+GCTGCACT
GATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGA
CGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCT
ATT

[illegible]

@A00721:190:HGJW7DSXY:4:1670:26268:18740_2:N:0:TCTGCAAG+GCTGCACT
AGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTA
TCACGCAAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCT

```

FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1378:24080:36464_2:N:0:TCTGCAAG+GCTGCACT
CTTTTACCCAACATTTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTCTCT
CTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTTCGAA

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:2207:27263:35336_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTAAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTG
GAGTGCCAGTGAATATTTTTGTACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTC
AAC

[illegible]

@A00721:190:HGJW7DSXY:4:1552:26946:10520_1:N:0:TCTGCAAG+GCTGCACT
TAACACATTCTTTGGTAATTGTATGATCACTCTTATGATGCTCTCTCTTTATTACGACCTTCGGAAGT
TTAGAGCCGTCGCTGTCGCCGGAGACGATTCGATCCTCTTTTCGGACGTACCGGTCCAGGATTATTCA
GAT

[illegible]

@A00721:190:HGJW7DSXY:4:1311:2392:31814_2:N:0:TCTGCAAG+GCTGCACT
TGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTACAAGATCATCGT
TAAGTTAGGTAACCCCTAACCGATGTTACTCTTGAGGACTTTGGGA

```

FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFF:F
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1303:3803:34757_2:N:0:TCTGCAAG+GCTGCACT
TTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTGGCGATTAGCTCTTGCGACTAATATT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTG

•

FF::FF
@A00721:190:HGJW7DSXY:4:2415:26332:13745_2:N:0:TCTGCAAG+GCTGCACT
TCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTT
CCTTGTAATAATTTGATGCGGTTTTATAAGATTATCAGTAATCCTGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1652:15004:27414_1:N:0:TCTGCAAG+GCTGCACT
ATTCATGGACCTTCCATCCTGTACTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAG
CTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2567:7111:12868_2:N:0:TCTGCAAG+GCTGCACT
CTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAA
TGACGATCATTAAGACTCTCTTCTTCTTTGTTTCTTCTTTGCACTG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF:FFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2368:13286:8563_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCTAATCTGTGTTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGC
GAACCTTGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAAGTGTGGTGTCTTGA
TCT
+
FFFFFFFFFFFFFFF:F:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2551:23873:20885_1:N:0:TCTGCAAG+GCTGCACT
ATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCATTATTACGATATTTCTTTAGTCGATGGGTTT
TCGACTCCTTTAAGCGTCTTCTGTTCATCGCAACCAGATGATATCTTCTATTCGAAGTTATGTTTCGA
TCA
+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFF
FFFFFFFFF:FF:FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1673:28999:19304_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTAATGTGGCCTGAAGTACGTTTCACTTTGTGTGACTTGTCTCTATTTTAAGTTTTGTCTTCC
TTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTA AAA
+
FFFFFFFFFFFFFFFFFFFFF:FFF:FF:FFFFFFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2141:15637:5713_2:N:0:TCTGCAAG+GCTGCACT
CGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCCTTACAGAGGGGCAGCAGCATGACCATA
ATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCT
+
FFFFFFFFFFFFFFFFFFFFF:FF,
FF
@A00721:190:HGJW7DSXY:4:2206:20708:27868_1:N:0:TCTGCAAG+GCTGCACT
CTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGT
TTATGGATATGATGATATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGC

+
::FFFFFFFFFF,FFFFFF:FFF:FFFFFFFFFF:FF::FFF,,FF,FFFFFF:FFFFFF,FFFFFF,FF,FFFFFF,,
FFFFFF,FFFFFFFF,F:FF:,F:FFF:F::FFFFFF,F:F:F,:FF,FFFF:FFFFFF,FFFF:, :FFFF
FF:
@A00721:190:HGJW7DSXY:4:2468:31394:15749_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATC
+
FF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF::FFF:FFFFFF: :FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1235:6460:27868_1:N:0:TCTGCAAG+GCTGCACT
TAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATA
CCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATG
AAT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFF:,FFF:F,FFFFFFFF:FFFFFFFF,FFFFFFFFFFFF:F
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1232:6280:29027_1:N:0:TCTGCAAG+GCTGCACT
TTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGG
TGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTG
ATG
+
F,FFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1566:10737:18239_2:N:0:TCTGCAAG+GCTGCACT
GGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACACACA
ACTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAAAACC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1554:20627:10723_2:N:0:TCTGCAAG+GCTGCACT
TCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGT
AGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGC
+
FFF:FF,FFFFFFFF:F:FF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1155:11523:32127_1:N:0:TCTGCAAG+GCTGCACT
TGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCT
GTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGC
TAC
+
FFFFFFFFFFFFFFF:FF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2110:31774:10081_2:N:0:TCTGCAAG+GCTGCACT
TCGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCT
GGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGAC
+
FF
FFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFF,F:FF
@A00721:190:HGJW7DSXY:4:2161:21992:31000_1:N:0:TCTGCAAG+GCTGCACT
GTATGAGGGTGTTTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATA

CTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATC
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2615:27534:28729_1:N:0:TCTGCAAG+GCTGCACT
CTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAA
CAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTC
AGT

+

FFFFFFFF:F::FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1478:12102:25520_2:N:0:TCTGCAAG+GCTGCACT
CTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTC
CTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1410:5186:15890_1:N:0:TCTGCAAG+GCTGCACT
GTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCGAACGTCAACGTTACCGAGTTTCGTTTCGTA
CCTTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTG
CGA

+

FFFFFFFFFFFFFF,:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2140:32750:3787_1:N:0:TCTGCAAG+GCTGCACT
TACGAACCTTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACT
TCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACT
CCT

+

:FFFFFFFF,FFFF:FFFFFFFF::FFFFFF:FFFFFF:FFFFFFFF:FFFFFFFF,FFFFFFFF
FFFFFFFFFFFFFFFF:FFF:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1610:14290:20478_1:N:0:TCTGCAAG+GCTGCACT
TGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAA
CTCTAAGTGGAATACTGTCTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGG
GAC

+

FFFFFFFFFFFFFFFF:FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1445:10601:9862_1:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTGTTATCGACGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAGAATAC
TATAAATAGAATAGCTATTACTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAA
TTT

+

FF
FFFFFFFFFFFF,FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1176:20410:6339_1:N:0:TCTGCAAG+GCTGCACT
TGCTCTTATTCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAAT

TCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCT
AGG

+

FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1342:4218:12555_2:N:0:TCTGCAAG+GCTGCACT
TACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTT
TAACTTACTTAGACTTTTCTACGATACAAATGATAACTTCTAATTTAC

+

FFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF:FFF

@A00721:190:HGJW7DSXY:4:1175:28357:36636_1:N:0:TCTGCAAG+GCTGCACT
GGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATAAT
CGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTAT
TAA

+

FFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2459:2121:10895_1:N:0:TCTGCAAG+GCTGCACT
AAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTTCGTAGAGCTTATCT
AGGTACTCTCATTTACTATGTTGATTTAGTCTACATTTATGCTGATCTAAAATTTGATCTAGATGGA
TCC

+

FFFFFFFFFFFFF,F,:FFFFFFFFFFFFF:FFFFFFFF,FFF
FFFFFFFFFFFFFFFFF:FFFFFFFF:FFF:FFFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1638:24261:30138_1:N:0:TCTGCAAG+GCTGCACT
TTCTAGAATTCCTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATT
TTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATA
ATA

+

FF,FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1409:6677:31469_2:N:0:TCTGCAAG+GCTGCACT
CAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATA
GGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACT

+

FFF:FFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1636:16441:11553_2:N:0:TCTGCAAG+GCTGCACT
CTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCAT
CTGAAAAAGGCTCTAAAGGACACTATACAATATCCAGACGACGACGAA

+

FFFFFFF:FF:FFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FF:FFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2431:32759:5682_2:N:0:TCTGCAAG+GCTGCACT
CAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTAC
GAATTGGTCCAACATTTACCACCAAATTTCTTTTGATACAACCTCTAGCC

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

$+$

+

+

+

+

+

+

+

@A00721:190:HGJW7DSXY:4:2677:25301:30029_1:N:0:TCTGCAAG+GCTGCACT
TTCTTATTCTTTTATTCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTA

TCAATTTAAATACATTACTGTTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGG
TCA

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:F:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2677:25301:30029_2:N:0:TCTGCAAG+GCTGCACT
TATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGG
AACTTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCA

+

F:FFF:FFF:F,FFFFFF::FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FF:FFFFFF

@A00721:190:HGJW7DSXY:4:2252:21694:25097_2:N:0:TCTGCAAG+GCTGCACT
TTCGACAAATTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC
TTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2473:21368:19961_1:N:0:TCTGCAAG+GCTGCACT
CTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTA
CTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAG
ATT

+

FFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1616:17318:31109_2:N:0:TCTGCAAG+GCTGCACT
GGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAA
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAT

+

FFFFF:FFFFFFFFFFFF:FF:FFFFF
FF:FFFFF:FF

@A00721:190:HGJW7DSXY:4:1460:7374:6464_2:N:0:TCTGCAAG+GCTGCACT
CTTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGT
GTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTT

+

F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1510:10972:29105_2:N:0:TCTGCAAG+GCTGCACT
TTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTT
TAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1361:28926:6089_1:N:0:TCTGCAAG+GCTGCACT
AGAATGAACGCGCTTCCCGGAAGAAACGATCTAATTACAGATTATTTAGAGTAGTCAAAAGTTTGT
ATAAATTTATATGATTTTCTATATATATACCACATATATATATATAAAATCCTATAAATTTGTACA

+

F,FFF:F,FF,FF,,F,:F:,,FF,FFF,:F,,,F,F,F:F,F,,FFFFFFFF:FF:FF,FFF:,,F,F
F:F:,:FFFFFF:FF,F,FFFFFF:FFFFFF:FF::F:FFFFFF:FFFFFFFF,FFF,F,FF:FFFFFF

@A00721:190:HGJW7DSXY:4:1258:1334:25254_1:N:0:TCTGCAAG+GCTGCACT
CTCCCCAAACATAACATAACCTACCATGACCAATCATCGCTCCAACGGCACGCCAGACGTAG
GGTCAAACCTACTACCGCCTGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGC
AGA

+
FFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1633:31819:1110_2:N:0:TCTGCAAG+GCTGCACT
AAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGT
TGCCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGG
+
FFF,FFF,FF:FFFFFFFFFF,FF:FFFFFFFFFFFFFFFF, :F:F,FFF:FFFFFFFFFFFFFFFF:FFFFFFF
F,:FFF,FFFF,FFFF:FFFFFFF,FFFFFF,FFF:FFFFFFF,FFF:
@A00721:190:HGJW7DSXY:4:2108:28854:2456_2:N:0:TCTGCAAG+GCTGCACT
TCTGTGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATAGATC
GGAAGAGCGTCGTGTAGGGAAAGAGTGTAGTGGGGCGGGGGGGGGGGGG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:F:F:FFFFFF:FFFF,,,:FF:,FF,,,:
@A00721:190:HGJW7DSXY:4:1629:16251:32049_2:N:0:TCTGCAAG+GCTGCACT
CCCTCCGCTGGCAGCAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTT
TACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCAA
+
FF
FFFF:FFF::FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF: ,FFFFFFFF
@A00721:190:HGJW7DSXY:4:2316:12156:17910_2:N:0:TCTGCAAG+GCTGCACT
AGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGG
TTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGT
+
FF
FFFFF,FFFFFF:FFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2375:7346:7639_1:N:0:TCTGCAAG+GCTGCACT
GCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTA
CAGTAGGTTCTGCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTT
TTG
+
F:FFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2375:30572:36965_1:N:0:TCTGCAAG+GCTGCACT
CTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGAC
GAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTATCCGCGCTTAAGTATGGGGCGAAGAT
CCC
+
FF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:2512:1208:14638_2:N:0:TCTGCAAG+GCTGCACT
AGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCTTAAGCACCGAGGTAAGCTCGGGACTT
ACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCAGAATG
+
FF
FF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:1105:3459:27712_1:N:0:TCTGCAAG+GCTGCACT
GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTTTTGTATATTCAGTGGTCTGGGAGGCTGC
TTTCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCACATATGG
TAG

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1257:1949:21496_2:N:0:TCTGCAAG+GCTGCACT
ACTTTTCTTGAAAATTTTTCCTTTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCA
AGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1144:8323:12618_2:N:0:TCTGCAAG+GCTGCACT
ATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCA
ATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTGAGAAGATGAGG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1370:25102:24549_2:N:0:TCTGCAAG+GCTGCACT
GGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAG
TTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1426:4001:1219_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTGGAGTTTGTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGG
TTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATA
+
FFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1376:25373:23265_2:N:0:TCTGCAAG+GCTGCACT
CTTGGGGTTTGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTT
CGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTACCA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1150:30346:4100_2:N:0:TCTGCAAG+GCTGCACT
GGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGTTTGATTGGTATGGA
CTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTAC
+
FFFFF,:F:FF
FF
@A00721:190:HGJW7DSXY:4:2259:24966:22811_2:N:0:TCTGCAAG+GCTGCACT
AAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAAC
TATTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1471:6316:36699_2:N:0:TCTGCAAG+GCTGCACT
GCGGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCAGC
CCGTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACA
+
FF:FF:FF
FF
@A00721:190:HGJW7DSXY:4:1437:32642:22294_2:N:0:TCTGCAAG+GCTGCACT
TTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATAT

$+$

@A00721:190:HGJW7DSXY:4:2572:25093:15828_1:N:0:TCTGCAAG+GCTGCACT
ACGTACCTACTAACGAGAAGTCATGAAAGCTATCGGAGTGAAGCAAAATGTTTCGTTCTGTTACAAGA
ACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGAT
GA

+

,

+

@A00721:190:HGJW7DSXY:4:1528:13069:29794_2:N:0:TCTGCAAG+GCTGCACT
GTTATTCTACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAA
TTGTTCCATTGTGAACCTCTTGGGGACTAGATTGAGCATTAAATGAGTTC

+

@A00721:190:HGJW7DSXY:4:1149:8793:7106_1:N:0:TCTGCAAG+GCTGCACT
TCTAGTGGACAATT CAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCAT
ACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAAATTTTTCTCAAGAGATTATGGTTGATAAAG
TTT

+

@A00721:190:HGJW7DSXY:4:1418:27462:13917_1:N:0:TCTGCAAG+GCTGCACT
TTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTT
CGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTCATATAGATACGAG
ATA

+

@A00721:190:HGJW7DSXY:4:1160:6234:25817_2:N:0:TCTGCAAG+GCTGCACT
CAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAAC
GTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG

+

@A00721:190:HGJW7DSXY:4:1204:8458:21684_1:N:0:TCTGCAAG+GCTGCACT
CCTACGGTGACTTTATGGACAAGATGCAAGTTCCTGGGAAATACTTGTTCCCTTTTATAGGTTTAGTA
GGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCT
TAT

+

[illegible]

@A00721:190:HGJW7DSXY:4:2140:18982:11725_1:N:0:TCTGCAAG+GCTGCACT
GAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGT
TCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTT
CAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2649:7645:17832_2:N:0:TCTGCAAG+GCTGCACT
GATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTG
GGTTGAGAAGTGTGCTTTACAAGGAGAGATCGGAAGAGCGTCGTGTAG

+

FFFF:FFFFFFFF:F,FF:F::,F:FFFF:,::F,F:F,FFF,FFF,:F:FFF:,FFF::FFF:F,
:F,,,F:FF:,FFFF:FFFFF,F:FFFF,FFF:FF,,FFF:FFFF,
@A00721:190:HGJW7DSXY:4:2319:8757:12305_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTA
CGCCAGATTCTTCATGGGGCGACGCTGTTTCTTCTTGGTATTTCTGAAA

+

FFF:FF
:FFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1578:24279:19366_1:N:0:TCTGCAAG+GCTGCACT
TTTCTCTGGTAAGGGAATTATTAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCT
ACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTC
AAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1522:30843:36151_1:N:0:TCTGCAAG+GCTGCACT
AATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAA
GGGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTC
TTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2136:17598:12023_1:N:0:TCTGCAAG+GCTGCACT
TCTTGTACGATTCTTAAAAGAAGTTTATTAACCTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATG
TTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACT
CAG

+

FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2173:24632:24549_2:N:0:TCTGCAAG+GCTGCACT
ACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCA
TCACCCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACACTG

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2216:23692:25520_2:N:0:TCTGCAAG+GCTGCACT
TCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGG
AGGAGGTAATAGTTATAAACCTTCTTTTATCATTGCAACAGGACTTT

+

FFFFF:FFFFFF,FFFFFFFFF:FFF:FFFFFFFFF,FFFFF:FFFFFFFFFFFFFFFFF,::FFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1317:30698:28260_2:N:0:TCTGCAAG+GCTGCACT
ATCTGGGATCATAGGTATGTGTACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGC
GTCTTGTCTGTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTCA
+
FF
FF,FF:FFFFFF,F
@A00721:190:HGJW7DSXY:4:1317:11243:23782_1:N:0:TCTGCAAG+GCTGCACT
TTTAGATAAATTCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGGTGATCTGA
ATCTGACCATCGCAAAGAAGACTTTATTAGTTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGC
TTC
+
FFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1678:14669:32503_2:N:0:TCTGCAAG+GCTGCACT
CCAAATTTAGCACTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGT
TCTTCTAACCAAGACTGATGGTGAGATTCTTTTACCTTTTGAGGTCC
+
FFF:FF
FF
@A00721:190:HGJW7DSXY:4:2665:25825:33880_2:N:0:TCTGCAAG+GCTGCACT
CCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAA
CACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2671:28980:4993_1:N:0:TCTGCAAG+GCTGCACT
GATATCGCCTCTGTCTTTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGTACTTGGGTTTATCGGTT
GTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTG
ATA
+
FFFFFFFFFFFFFFFFF,F:FFFFFF:FFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2443:15501:5102_1:N:0:TCTGCAAG+GCTGCACT
GTCTAGCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTCCCTCCCTTTTTCGA
TTG
+
FF:FFFFFF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFF
FFF
@A00721:190:HGJW7DSXY:4:2268:27019:19820_2:N:0:TCTGCAAG+GCTGCACT
AGGTTTTCTTTTATGGGACTCTTGTGTGACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGT
AGGTCTCCTAGTACTTAAGGTTTATGTTTCGTTTCAGCTGGATGGA
+
FFFFFFFFF:FFF
:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2425:22435:29136_2:N:0:TCTGCAAG+GCTGCACT
TGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGT
CGATGATGTTCCGGGCTGTGGGGATTAACTCCCTCGTGAAACTTACGA
+

@A00721:190:HGJW7DSXY:4:1533:27923:3161_1:N:0:TCTGCAAG+GCTGCACT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCAT
GAGGATGTCTTGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAAC
GGA

+

[illegible]

@A00721:190:HGJW7DSXY:4:1101:4020:8891_2:N:0:TCTGCAAG+GCTGCACT
CTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTG
GGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAA

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: :FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF,,F,F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFF

```

@A00721:190:HGJW7DSXY:4:2201:28519:23641_1:N:0:TCTGCAAG+GCTGCACT
ACTCTGAGACTTCTAAGAGTGTTCAAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGG
AGAAAACAGAACAAAGCGAGCGGTTGAAGAGAAAACCTGATATGGTTGCGGCTGATCGTACCCCAATTCC
TGC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1642:18448:32440_2:N:0:TCTGCAAG+GCTGCACT
CTCGGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAA
AGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2628:10673:9330_2:N:0:TCTGCAAG+GCTGCACT
CACTTACAAGAGTGTGGAAGTACCGCAACATGGATCAGTTTTCTAAAAAGCTATTAATAGCAGTTGCG
GGGCTATAATACCGCCTCCAGATTACTCTAAACTGAATCCACTCTCTT

 $+$

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:F,FFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF
```

@A00721:190:HGJW7DSXY:4:2439:23818:10895_2:N:0:TCTGCAAG+GCTGCACT
TATGGAAGTGTGAATGTCCTACCACTGAACAATTTGTTAGGGCTTCTCTAAAGAACAGCAACTATC
AACAAGAATTAGTTATTGAAAGACTTGACCCTCACGTCTCACATTATC

+

```
F,FFFFFFFF:F,FFF,,::FF:,,,FFFF,,FFF,,FFFF,,FF,FFFFFF:FFFFFF,F:FFFF,,FF
:F,F,,,F:FF,FFF,F:FFF,,FFF,FFFFFFFFFFFFFFFFFFFF,F:FF,
```

@A00721:190:HGJW7DSXY:4:2542:25907:1924_2:N:0:TCTGCAAG+GCTGCACT
AAAGAGGGTTTGGAAATTACGGAACCTTCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGA
GTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTGTTGACTACGATCT

+

```
FFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFF;FFFF,FFFFFF:FFFFFFFFFFFFFF;FF,FFFF::FFFF
```

@A00721:190:HGJW7DSXY:4:2354:26087:13823_1:N:0:TCTGCAAG+GCTGCACT
AGAAGTTCCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAACTTATAGCGACTTTTGTG
GAATTTTTCGAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCGAGAAGAGATAGT
GAC

+

[illegible]

FF
FFF
@A00721:190:HGJW7DSXY:4:2557:21097:5024_2:N:0:TCTGCAAG+GCTGCACT
CACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTG
+
FFFFFF:FF
FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1505:30680:31454_1:N:0:TCTGCAAG+GCTGCACT
CGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTTATA
CCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTAC
TTC
+
FFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2635:16007:16125_2:N:0:TCTGCAAG+GCTGCACT
GATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGAACTCTCAGA
GGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGACAC
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF:FF:FFF:FFFF
@A00721:190:HGJW7DSXY:4:1378:13783:19601_1:N:0:TCTGCAAG+GCTGCACT
TTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCAAGGTGAAAAGTTTGAAATT
AACAAAGTCCTTGGAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAGGTAA
TA
+
FFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1117:31919:13839_2:N:0:TCTGCAAG+GCTGCACT
TTTTGCATCACAACACATATTACCGTTGCTCTATCACGACGTTGAATCTTTACGATACTTTGTTA
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTA
+
FFFFF,FFFF:FFFFFFFFFFFF:FF
F:FFFFFF:FFFF:F:F:FFF:FFFFFFFFFFFFFFFFFFFF,FF,FFFF
@A00721:190:HGJW7DSXY:4:1375:19524:14982_2:N:0:TCTGCAAG+GCTGCACT
TTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGT
TGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTAC
+
FF
FFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1340:16486:2581_1:N:0:TCTGCAAG+GCTGCACT
CCGATCTCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTC
GATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGT
TTA
+
FFFFFFFF:F:FF:FFFFFFFF:F:FFFFFFFFFFFFFFFF:
FFFFFFFFFF:FFFFFFFFFFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:2440:15736:36855_1:N:0:TCTGCAAG+GCTGCACT
CCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCAC
AACGGAAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGT
TTG

+
FFFFFFFF:FFFFFFFF:FF
FF:FFFFFFF:FFF:FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1620:26341:23249_1:N:0:TCTGCAAG+GCTGCACT
GATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGA
CGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCT
ATT
+
FFFFFF:FFFFFF, :FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2144:6343:34115_2:N:0:TCTGCAAG+GCTGCACT
AGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTA
TCACGCAAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCT
+
FFFFF:FF:FFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFF:F:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1534:32696:18787_2:N:0:TCTGCAAG+GCTGCACT
CTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCGAAGCTCTTCTCTCT
CTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAA
+
FFFFFF:FFFFFFFFFFFFFFFF, FF:FFFFFFFFFFFFFFFF:F:FFFFFF:FFFFFFFFFFFFFFF
:FFFF:FFFFFFFF, FFFF:FFFFFF:FFFFFF:FFFFFF, F:F
@A00721:190:HGJW7DSXY:4:1263:16839:19194_1:N:0:TCTGCAAG+GCTGCACT
TAAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTGGAGTG
CCAGTGAATATTTTGTACGCCAGGAGTATCCATAACGATTTGTCAATTAACACCTTGTCAACGA
CGA
+
FF
FF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1566:5665:34475_1:N:0:TCTGCAAG+GCTGCACT
TAACACATTCTTTGGTAATTGTATGATCACTCTTATGATGCTCTCTTTATTACGACCTTCGGAAGT
TTAGAGCCGTCGCTGTGCGCGGAGACGATTCGATCCTCTTTTCGGACGTACCGGTCCAGGATTATTCA
GAT
+
FFFF:FF:FFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1311:4282:27946_2:N:0:TCTGCAAG+GCTGCACT
TGCTCGCGATTTATTCTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTACAAGATCATCGT
TAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF:FFFFF
@A00721:190:HGJW7DSXY:4:1469:3974:8155_2:N:0:TCTGCAAG+GCTGCACT
TTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGCGGATTAGCTCTTGCGACTAATATT
CGATATTCGATTGAGGGTCGTTATACCTATTTCGGCTATCTGTGCTTGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF: :FFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2504:23014:18490_2:N:0:TCTGCAAG+GCTGCACT
TCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTT

CCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGA

@A00721:190:HGJW7DSXY:4:2539:31222:34741_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTTAAACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATC

+

FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:1538:6650:27602_1:N:0:TCTGCAAG+GCTGCACT
TAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATA
CCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATG
AAT

+

FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1403:13205:18129_1:N:0:TCTGCAAG+GCTGCACT
TTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGG
TGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTG
ATG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2316:29234:26162_2:N:0:TCTGCAAG+GCTGCACT
GGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACACACA
ACTTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACC

+

FF
FF
FFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1555:22218:5118_2:N:0:TCTGCAAG+GCTGCACT
TCAATAATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTCTGGAACGT
AGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGC

+

FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2216:6424:23954_1:N:0:TCTGCAAG+GCTGCACT
TGATTCCGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCT
GTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGC
TAC

+

FFF:FF
FFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2111:6686:35524_2:N:0:TCTGCAAG+GCTGCACT
TCGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCT
GGATCTGCGTTACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGAC

+

FFFF,FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2161:22327:31078_1:N:0:TCTGCAAG+GCTGCACT
GTATGAGGGTTTTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATA
CTTTGGGCTATCGTTTCAGGTGCATGGGGTTGGATAGCCAATATTGTAGTGGACACCTCTGGTAGTATC
GAA

+

FFFFFFF,FF,FFF,F,,FF,:FFFFFFFFFFFFFFFF,FFFFFFF,FF,:FFF,,FF::FF,F,:F,,F:

FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1355:29785:31407_2:N:0:TCTGCAAG+GCTGCACT
TACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTT
TAACTTACTTAGACTTTTCTACGATACAAATGATAACTTCTAATTTAC

+

FFFFFFFFFFFFFFFF:FF
FF,FFFF:,FFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1602:23348:24486_1:N:0:TCTGCAAG+GCTGCACT
GGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCTGCATAAT
CGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTAT
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1349:13114:26396_1:N:0:TCTGCAAG+GCTGCACT
AATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTGATAGAGCTTATCTA
GGTACTCTCATTTACTATGTTGATTTAGTCTACATTTATGCTGATCTAAATTTTCGATCTAGATGGAT
CC

+

FFFFFFFFFF:,FFF,FF,FF:,F:,FFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFF:FFF:FFFF
F,F,FFFF,FFFF,FFFFFFFFFF,FF:F::FFFFFFFFF,FF:FFFFFFFFFF:F,FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1678:28709:35055_1:N:0:TCTGCAAG+GCTGCACT
TTCTAGAATTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATT
TTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATA
ATA

+

F:FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1660:6352:20478_2:N:0:TCTGCAAG+GCTGCACT
CAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATA
GGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2316:14651:19006_2:N:0:TCTGCAAG+GCTGCACT
CTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCAT
CTGAAAAAGGCTCTAAAGGACACTATACAATATCCAGACGACGACGAA

+

FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2646:15655:13823_2:N:0:TCTGCAAG+GCTGCACT
CAGCACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTAC
GAATTGGTCCAACATTTACCACCAAATTTCTTTGATACAACCTCTAGCC

+

FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1413:13458:12399_2:N:0:TCTGCAAG+GCTGCACT
GCTTGCTATTACCAGATTGGTTCGAACCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTGCG
TTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCA

+


```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2122:29026:25739_2:N:0:TCTGCAAG+GCTGCACT
GGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGA
AAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2662:19687:1360_1:N:0:TCTGCAAG+GCTGCACT
CGTCTGAAGAGTTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCT
TTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCCACAGATTTGTCTACGTTGCA
GAT
+
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2137:11686:11741_2:N:0:TCTGCAAG+GCTGCACT
CTATATACATTATAAAATATAAAAAATAAGGGAGTCATAACTTTTGTACCACAAATTCTTGGCTTTCAAC
GAAGTCTCTGATTTTATTAATCATTACTIONTTAACGATCTCTCGGTCATT
+
FFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1248:25771:28902_1:N:0:TCTGCAAG+GCTGCACT
TTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT
TATATTATTACAAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTCTTAGCTA
ATA
+
FFFFF,FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1333:32036:20337_2:N:0:TCTGCAAG+GCTGCACT
ATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATC
TCAACGAGGATAAAGCGAGTTTTCCGCCTGAACGTAATACACGAAGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2623:15691:17769_1:N:0:TCTGCAAG+GCTGCACT
AAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTT
ACTCATTTTATAGC
+
F,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1537:28366:30921_2:N:0:TCTGCAAG+GCTGCACT
TTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTTTGTGAAAAACATGAGATACCCAAGTCT
ATCGAAGACATTATCTCTTATGTACTTATTGTAACGATCATTCTTTTCG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F:FFFFFFFFF,
@A00721:190:HGJW7DSXY:4:2264:2157:21324_1:N:0:TCTGCAAG+GCTGCACT
TTCTTTTATTCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATT
TAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGTTTCAAATGAGGTCAAAG
CTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FFF

```


$+$

@A00721:190:HGJW7DSXY:4:1375:2546:36025_2:N:0:TCTGCAAG+GCTGCACT
GGAGGAGTTT GAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAG
TTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTG

+

@A00721:190:HGJW7DSXY:4:1477:17065:1955_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTGGAGTTTTAGATAATCTTTGAGAAGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGG
TTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATA

+

@A00721:190:HGJW7DSXY:4:1376:25608:4539_2:N:0:TCTGCAAG+GCTGCACT
CTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCTTTTGAGTATCGACAGATCTTT
CGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACTTACCA

+

@A00721:190:HGJW7DSXY:4:1607:19316:7263_2:N:0:TCTGCAAG+GCTGCACT
GGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGA
CTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTAC

+

@A00721:190:HGJW7DSXY:4:2675:10719:26631_2:N:0:TCTGCAAG+GCTGCACT
AAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGCCGACTTTAAC
TATTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCGTACCTTAC

+

@A00721:190:HGJW7DSXY:4:2201:24361:25958_2:N:0:TCTGCAAG+GCTGCACT
GCGGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACG
CCGTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACA

+

@A00721:190:HGJW7DSXY:4:1644:14579:13745_2:N:0:TCTGCAAG+GCTGCACT
TTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATAT
TTGCAACCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAG

+

@A00721:190:HGJW7DSXY:4:1130:27615:9267_2:N:0:TCTGCAAG+GCTGCACT
TCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGA
TTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATAT

+

```

,FFFF:FFFFFF:,F:FFFFF,:FFFFFF,,FFFFFFFFF::F::FFFF,FFF,FF:FFFF:FFFFFF
F.:FFFF:FFFFFFFF:FFFFF:F:F:FFFFFFFFFFFFFFFFFFFF,FFFF

```

@A00721:190:HGJW7DSXY:4:1224:8413:15436_2:N:0:TCTGCAAG+GCTGCACT
CTTAAGAGAGAGATTGATGTATGTCATTTTCGTCTTAGTTTGTCCCGCGAATTATTGGACACGATGAA
AAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA

+

FFFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFF, FFFFFFFFFFFFFFFFFF: :FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1604:15709:36526_2:N:0:TCTGCAAG+GCTGCACT
GTTATTCTCACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCCTTAAGGGCGGACAA
TTGTTCCATTGTGAACCTTGGGGACTAGATTGAGCATTAATGAGTTC

+

FFFFFFFFFFFFFFFFFFFFF:FF: , FFFFFFFFFF:FFFFF, FFF, FF: , FFFFF:FFF:F:F:FF:FFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FFF, ::, F, FFFFFFF, FF,

@A00721:190:HGJW7DSXY:4:2201:7202:10488_1:N:0:TCTGCAAG+GCTGCACT
TCTAGTGGACAATTAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCAT
ACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAAATTTTCTCAAGAGATTATGTTGATAAAG
TTT

+

F:FFFF:F::FFF:FFF:F:F:FFFF, FFFFFFF:FFFF:FF:FF, FFFFFFFFF:FFFFFFFF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1507:14290:18004_1:N:0:TCTGCAAG+GCTGCACT
TTCAGTACGTATGGGGATCACTTCTTCGGTCAATGACAAAACCTTGAATATGTTACGACATGGCTT
CGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTATATAGATACGAG
ATA

+

FF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1425:10601:33129_2:N:0:TCTGCAAG+GCTGCACT
CAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAAC
GTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2115:9643:21699_1:N:0:TCTGCAAG+GCTGCACT
CCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCTTTTTAGGTTTAGTA
GGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTACGGTCCT
TAT

+

FFF:F, FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2157:25500:19319_1:N:0:TCTGCAAG+GCTGCACT
GAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGT
TCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGT
CAG

+

FFFFF:FFFF, FFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1212:13241:10332_1:N:0:TCTGCAAG+GCTGCACT
TCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGG
TTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
GAA

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2412:26386:30561_1:N:0:TCTGCAAG+GCTGCACT
GTTTCTCTTGGTATTTCTGAAATAGTTTATCAGAGCGTCATTTTCTTTGGGATCTTTCTCTGGTAA
GGGAATTATTAAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCT
TTT
+
FF
FF
:FF
@A00721:190:HGJW7DSXY:4:2574:16351:8735_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTTCAACACTTATCACCACCTTTTGAAAGGAAAATAA
TTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGT
TCC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2238:2022:33238_2:N:0:TCTGCAAG+GCTGCACT
AGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAACTATCAGGTTCTTGTC
ACGATTCTTAAAAGAAGTTTATTAAAACTTCAGAGTCTCTTGGAAGTC
+
FF
FFFF:FFF,FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1113:9607:24737_1:N:0:TCTGCAAG+GCTGCACT
CAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATT
CAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCACA
AGC
+
FFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1235:19162:29387_2:N:0:TCTGCAAG+GCTGCACT
TTTCGACGTGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGG
AAAATTTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1305:13973:25911_2:N:0:TCTGCAAG+GCTGCACT
AAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATA
GGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTAT
+
FFFFFFFFFFFFFFF:FFF:FFF:FFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2140:21314:29105_1:N:0:TCTGCAAG+GCTGCACT
CGTCATTACAGTCTGGAAGTTAGATCATTTGTTGAGGAAGATCTCTACAGAGATTATCGAGAGTTGTG
ATCTAGTTCTAAATTTAGGTCGACGACTTTAGCAACTTTAGATAAATTCTTTCCGGGCTCAATGACC
TTT
+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1227:12156:15186_2:N:0:TCTGCAAG+GCTGCACT
CATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTA
CAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1138:10682:36652_2:N:0:TCTGCAAG+GCTGCACT
ACTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCA
GGACTGATGGTGAGATTCTTTACCTTTTGAGGTCCAGGAACCTTTA

+

FFFF:::FFFFFFFFF,FF:FF:FFFFFFFFFFFFFFFF:FFFFFFF,FFF:,F:FF:FFFFFFFFFFFF
F:FF:FFF:F:FF:FF:FFF,:FFF:FFF:FF,F,FFF,:FFF,::,F

@A00721:190:HGJW7DSXY:4:1362:16152:7200_2:N:0:TCTGCAAG+GCTGCACT
CCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTT
CCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCC

+

FF
FFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFF,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1478:24252:28025_1:N:0:TCTGCAAG+GCTGCACT
GTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTG
ATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTA
CAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2161:5891:1360_2:N:0:TCTGCAAG+GCTGCACT
TTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTCCCTCCCCT
TTTTCGATTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAA

+

FFFF:FFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFF,FFFFF:FFFFFFFFF:FF:F,F,:FF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1459:2908:21997_2:N:0:TCTGCAAG+GCTGCACT
TACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTT
TCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTG

+

FF
FFFFFFFFFFFFFFFFF:FFFFF:FF

@A00721:190:HGJW7DSXY:4:1374:3721:4805_1:N:0:TCTGCAAG+GCTGCACT
TTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATG
ATGTTCTGGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAA
GGA

+

FF
FFFFFFFFF:FF:FFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1253:19099:23171_1:N:0:TCTGCAAG+GCTGCACT
GAGATCTGCCACTTCTAATTTTAGGAAAAGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAA
AATATCGCCGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCT
ACC

+

F:,F,F:,F:,FF,:FFFFFFFF,F:F,F:,F:F,,FF:FF::FFFF,,FFF:FFF,F,FFF:F,,::F
,:F:FF,F,FFF::FFF:FFFF:FF,FFFFFFFFF::FFFFFFFFF:FFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1369:16432:21465_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAA
TTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCT

FF
FFF
@A00721:190:HGJW7DSXY:4:2268:1832:14559_2:N:0:TCTGCAAG+GCTGCACT
AGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTA
TCACGCAAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCT
+
FFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2402:31602:12759_2:N:0:TCTGCAAG+GCTGCACT
CTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTCTCT
CTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAA
+
FFFFFFF::FF,FFFFF:FFFFFFFFF:FFFF:
F:FFFF,FFF,FFF:F::FFF,FFFF,,FFFFFF,:F::FFFF,,F
@A00721:190:HGJW7DSXY:4:1355:32859:4038_1:N:0:TCTGCAAG+GCTGCACT
TAAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTTGGAGTG
CCAGTGAATATTTTTGTACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGA
CGA
+
FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1631:26928:28056_1:N:0:TCTGCAAG+GCTGCACT
TAACACATTCTTTGGTAATTGTATGATCACTCTTATGATGCTCTCTTTATTACGACCTTCGGAAGT
TTAGAGCCGTCGCTGTCGCCGAGACGATTCGATCCTCTTTTCGGACGTACCGGTCCAGGATTATTCA
GAT
+
FFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1353:24316:12571_2:N:0:TCTGCAAG+GCTGCACT
TGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTACAAGATCATCGT
TAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGATAGGACTTTGGGA
+
FFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FF:FFFFFF:FFFFFFF:FFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1641:32136:5697_2:N:0:TCTGCAAG+GCTGCACT
TTAAAGACTATACTAAATATCTCCACTACGAGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATT
CGATATTCGATTGAGGGTCGTTATACCTATTTCGGCTATCTGTGCTTTG
+
FFFFF:FF
:FFFFFFFF,FFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2517:30807:36213_2:N:0:TCTGCAAG+GCTGCACT
TCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTT
CCTTGTAAGAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2222:26585:21887_1:N:0:TCTGCAAG+GCTGCACT
ATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAG
CTC
+
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1678:21621:15796_1:N:0:TCTGCAAG+GCTGCACT
GATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATG
ACGATCATTAAGACTCTCTTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTTCCTCATCAGCTTGTGT
TTT
+
FF:FFFFFFFFFFFF
FF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1608:8205:17300_2:N:0:TCTGCAAG+GCTGCACT
TTTTACGATAACAACACTATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCA
GGGTGAAGCACACGTTTGACCGTGACGAACTGTGGTGTCTTGATCT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2107:20283:7874_1:N:0:TCTGCAAG+GCTGCACT
CACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTCAT
CGCAACCAGATGATATCTTCTATTGAACTTATGTTTCGATCAGTGTTCCTTCTATCAGGAGGAAAAC
ACT
+
FFFFFFFFFFFFFFFFFFFF:FF:FFFF:F:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2203:24641:22999_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTAATGTGGCCTGAACTACGTTTCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTTGTCTTCC
TTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAATA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2313:9941:18740_2:N:0:TCTGCAAG+GCTGCACT
CGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGAGCAGCATGACCATA
ATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCT
+
FFFFFF:FF:FF:FFFFFFFFFFFFFFFFFFFF:F
:FFFFF,FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2210:29306:3114_1:N:0:TCTGCAAG+GCTGCACT
CTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGC
+
FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFF:FFFFFF
FFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2539:32000:33270_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTAACCATTTGTACGATGTGCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGGTCCTACTTTTGACAAGGCCAACTTCGTAATCTTCATGAGATC
+
FFFFFFF:FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FFF:FF:FFFFFF:FFFF:,FFFFFFFFFFFFFFFFFFFF:FF,F:FF
@A00721:190:HGJW7DSXY:4:2241:6587:5259_1:N:0:TCTGCAAG+GCTGCACT
TAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATA
CCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATG
AAT

```
F:F,FF:FFF::FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFF:F,FFFFFFFFFFFF
FFFFFF,FFFFFF:F:FFFFFF:FFFFFF::,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

[illegible]

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

```

```
FFFF,FF:FFFFFF,FFF,FFF,,F:F:FFFF:,FF::F:FFFFFF:FF,FF::,F::FF:FF,FF,,:  
F:FFFFFF::FF,FF,FF,FFF,FFFF,FFF,F,F:F,,FFF,:FF,E:
```

```

:FFFF,F,FF,FFFFFFFF,FF:,F:FF::F,FFF,F:FF:,FFF,FFF,F:, ,F,: ,FFFFFFFF,F
,FFFFFF:FF:FFFFFF:F:FF:FF,FFFFFFFFFF,FF,F:FFFFF,,FFF,FFF:F,:FFFFFFFFF:
F,,

```

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FF,FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFF,

```

[illegible][illegible]

@A00721:190:HGJW7DSXY:4:1531:8115:11819_2:N:0:TCTGCAAG+GCTGCACT
CTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTCGCTTC
CTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCG

@A00721:190:HGJW7DSXY:4:2120:18078:25504_1:N:0:TCTGCAAG+GCTGCACT
GTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTA
CCTTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTG
CGA

@A00721:190:HGJW7DSXY:4:2264:31919:27524_1:N:0:TCTGCAAG+GCTGCACT
TACGAACCTTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACT
TCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGGATTTTAATATAAAGAATCTTTACCAGGACT
CCT

@A00721:190:HGJW7DSXY:4:2326:15374:22106_1:N:0:TCTGCAAG+GCTGCACT
TGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAA
CTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGG
GAC

@A00721:190:HGJW7DSXY:4:2156:10538:8343_1:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTGTTATCGACGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAAGAATAC
TATAAATAGAATAGCTATTACTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAA
TTT

@A00721:190:HGJW7DSXY:4:1335:21133:15577_1:N:0:TCTGCAAG+GCTGCACT
TGGTCTTTATTCTATTATTGATTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAAT
TCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCT
AGG

@A00721:190:HGJW7DSXY:4:1376:21025:13917_2:N:0:TCTGCAAG+GCTGCACT
TACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTT
TAACCTACTTAGACTTTCCTACGATACAAATGATACTTCTAATTTAC

@A00721:190:HGJW7DSXY:4:1602:24560:28557_1:N:0:TCTGCAAG+GCTGCACT
GGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATAAT

CGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTAT
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2206:26268:5995_1:N:0:TCTGCAAG+GCTGCACT
AATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTAGAGCTTATCTA
GGTACTCTCATTTACTATGTTGATTTAGTCTACATTTATGCTGATCTAAAATTTGATCTAGATGGAT
CC

+

FFFFFF:FFF,FF:FFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF:FFFF
FFFFFFFFFFFFFFFF,FF,F:FFF:FFFFFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:2355:24659:22686_1:N:0:TCTGCAAG+GCTGCACT
TTCTAGAATTCTTAATTATAATTCAACCTCAAAGTTACGTGTTTACAGTAACGAGATCACACATT
TTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATA
ATA

+

FFFFFF:FFF,FF:FFFF:FFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2357:10601:24956_2:N:0:TCTGCAAG+GCTGCACT
CAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGTTTGATTACGATGACGTGAGAATA
GGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACT

+

FFFF:FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2433:18873:10692_2:N:0:TCTGCAAG+GCTGCACT
CTTCACCCAAAATGAAGGACACTTCGAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCAT
CTGAAAAAGGCTCTAAAGGACACTATACAATATCCAGACGACGACGAA

+

FF:FFFFF
FF

@A00721:190:HGJW7DSXY:4:2329:31141:25989_2:N:0:TCTGCAAG+GCTGCACT
CACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAA
TTGGTCCAACATTTACCACCAATTCTTTTGATACAACCTAGCCTTC

+

FFFFFFFFFFFFFFFF:FFFF,FFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF:FFFF:F

@A00721:190:HGJW7DSXY:4:2378:29713:2597_2:N:0:TCTGCAAG+GCTGCACT
GCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTGCG
TTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCA

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2169:17418:12994_2:N:0:TCTGCAAG+GCTGCACT
GGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGA
AAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCT

+

FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF,FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFF:FFFF

@A00721:190:HGJW7DSXY:4:1106:13612:29262_2:N:0:TCTGCAAG+GCTGCACT
TGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAA

@A00721:190:HGJW7DSXY:4:2350:26756:21778_2:N:0:TCTGCAAG+GCTGCACT
GAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTG
CACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2521:21567:36338_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGTTGCGCCTGCCGACCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTAT
GAGCAAACTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2443:2474:28260_1:N:0:TCTGCAAG+GCTGCACT
CTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGTGAC
GAGGCCGGTGACGTTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGAT
CCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1619:16170:7639_2:N:0:TCTGCAAG+GCTGCACT
GTTGGCATATTTATGCCGACGATAATAAGCCTGTCAACCTTAAGCACCGAGGTAAGCTCGGGACTTAC
AAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCGAGAATGCG

+

FF
FF:,FF

@A00721:190:HGJW7DSXY:4:1668:16098:19789_1:N:0:TCTGCAAG+GCTGCACT
GTGACTGGAGTTCAGACGTGTCTCTTCCGATCTGTTTTGTTATATTCACTGGTTCTGGGAGGCTGC
TTTCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCCCACATATGG
TAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1360:31675:18208_2:N:0:TCTGCAAG+GCTGCACT
ACTTTTCTGAAAATTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCA
AGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1447:29541:17394_2:N:0:TCTGCAAG+GCTGCACT
ATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTG
ATTTTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTGAGAAGATGAGG

+

:FF
FF

@A00721:190:HGJW7DSXY:4:1228:19388:27054_2:N:0:TCTGCAAG+GCTGCACT
GAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGA
TGAAGAAGGATTATTTGAAGCAGGGTTACCACTTCCTAAGGTGGATG

+

FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2230:8549:1141_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTATAGAGCCAGCAAGAGAAGCTTATATGCTGG

TTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATA
+
FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2208:16116:13683_2:N:0:TCTGCAAG+GCTGCACT
CTTGGGGTTTCGAATGTCATTAGTGCTTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTT
CGATCTTGAGGACGTACATTAAACGTGGCAGAATTTCGGTAACTTACCA
+
FF
FF:FFFF
@A00721:190:HGJW7DSXY:4:1677:24189:26349_2:N:0:TCTGCAAG+GCTGCACT
GGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGA
CTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTAC
+
FF
F:FF:
@A00721:190:HGJW7DSXY:4:1161:7817:15123_2:N:0:TCTGCAAG+GCTGCACT
AATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTGGCCGACTTTAACTA
TTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCTGACCTTACAA
+
FF
FFFFFF:FFFF:FFFFFFF,FFFF,:FF::F:,FF:FF,F,FF,FF
@A00721:190:HGJW7DSXY:4:2275:9579:25723_2:N:0:TCTGCAAG+GCTGCACT
GCGGCTTATTGTGCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCATTTCTATCTTGAATGCTCAG
CCGTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACA
+
FFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFF:FF
:FFFFFFFFFFFFFF:FFFF::FFFFFFFFFFFFFF,FFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2168:12988:2472_2:N:0:TCTGCAAG+GCTGCACT
TTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAAACCTCTTGAATGGAGTACATAT
TTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAG
+
FF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFF:,FFFFFF:FFFF,FF::FFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1173:32325:24314_2:N:0:TCTGCAAG+GCTGCACT
TCACGAGACGTATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGA
TTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATAT
+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
,FFFFFFFFFFFFFFF:FFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1405:2058:16924_2:N:0:TCTGCAAG+GCTGCACT
CTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAA
AAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA
+
FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFF:FFFFFFFFFFFFFFF::F:F:FFFFFFFFF:FFFFFFFF:FF
FF:FFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FFF:FFFF
@A00721:190:HGJW7DSXY:4:1620:30346:24706_2:N:0:TCTGCAAG+GCTGCACT
GTTATTCTCACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAA
TTGTTCCATTGTGAACCTTGGGGACTAGATTGAGCATTAATGAGTTC
+
FF:FFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1149:10664:20275_2:N:0:TCTGCAAG+GCTGCACT
TGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTG

+

@A00721:190:HGJW7DSXY:4:1223:28628:34194_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1366:1678:22780_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1406:6659:4883 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1328:27507:6230 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1361:5132:19523 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2527:32226:26334 1:N:0:TCTGCAAG+GCTGCACT

 $+$

@A00721:190:HGJW7DSXY:4:2574:16631:7404 1:N:0:TCTGCAAG+GCTGCACT

ACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTTCAACACTTATCACCACTTTTGAAAGGAAAATAA
TTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGT
TCC

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2238:7726:25708_2:N:0:TCTGCAAG+GCTGCACT
AGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAAACATCAGGTTCTTGTC
ACGATTCTTAAAAGAAGTTTATTAAACTTCAGAGTCTCTTGGAAGTC
+
FFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFF
:FFF,F:F:FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF,FFFF,FFF
@A00721:190:HGJW7DSXY:4:1139:19108:22467_1:N:0:TCTGCAAG+GCTGCACT
CAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATT
CAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCACA
AGC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1552:15176:33129_2:N:0:TCTGCAAG+GCTGCACT
TTTCGACGTCGCGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGG
AAAATTTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGG
+
FFFFFFFFFFFFFFFFFFFF:FFFFFF:FF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1404:3052:31485_2:N:0:TCTGCAAG+GCTGCACT
AAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATA
GGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTAT
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFF,F:F:FF:FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:
FFFFF:FFFFFFFFFFFF::FF::FF,FFFF:FFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2364:5086:4539_1:N:0:TCTGCAAG+GCTGCACT
CGTCATTACAGTCTGGAAGTTAGATCATTTGTTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTG
ATCTAGTTCTAAATTTAGGTCGACGACTTTAGCAACTTTAGATAAATTCTTCCGGGCTCAATGACC
TTT
+
FF
FFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1311:23981:15969_2:N:0:TCTGCAAG+GCTGCACT
CATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTA
CAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTAC
+
FFFFFFFFFFFFFFFFFFFFF:FFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1266:5403:12602_2:N:0:TCTGCAAG+GCTGCACT
ACTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCA
GGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTA
+
FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFF
@A00721:190:HGJW7DSXY:4:1477:17517:8531_2:N:0:TCTGCAAG+GCTGCACT
CCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTT
CCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCC
+

FFFFFFFFFFFFFFFFFF:FF
 FFFFFFFFFFFFFFFFFF:FF
 @A00721:190:HGJW7DSXY:4:1519:20030:13886_1:N:0:TCTGCAAG+GCTGCACT
 GTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCAATTG
 ATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTA
 CAA
 +
 FF:FFFFFFFF:FFFFFFFF,FFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFF,FFFF
 FF:FFFFFFFF:FFFF:,FFFFF
 :FF
 @A00721:190:HGJW7DSXY:4:2174:28456:2957_2:N:0:TCTGCAAG+GCTGCACT
 TTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTTCCTCCCT
 TTTTCGATTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAA
 +
 FFFFFFFFFFFFFFFFFF:FF:FFFF:FFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF,FFFFFFFF
 @A00721:190:HGJW7DSXY:4:2124:3260:2284_2:N:0:TCTGCAAG+GCTGCACT
 TACTTATGAAGGAGGTATTACTTCGGAAGTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTT
 TCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTG
 +
 FF:FFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1418:23249:28134_1:N:0:TCTGCAAG+GCTGCACT
 TTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATG
 ATGTTGCGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTCACAA
 GGA
 +
 FF:FFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:1266:26847:17456_1:N:0:TCTGCAAG+GCTGCACT
 GAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTCATGAGGATGTCTTGTCGAAA
 AATATCGCCGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCT
 ACC
 +
 FFFFF:FFFF:FF,FF:FFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFF:FF
 FFF
 @A00721:190:HGJW7DSXY:4:1445:28031:23516_2:N:0:TCTGCAAG+GCTGCACT
 CAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTTGGGGACTGAGACCTCTGAA
 TTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCT
 +
 FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF:,FFFFFFFF
 @A00721:190:HGJW7DSXY:4:1337:19777:11287_1:N:0:TCTGCAAG+GCTGCACT
 TGTTTCAAAAGACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAG
 CGGTTGAAGAGAAACTGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTC
 GGC
 +
 FFF,FFFFFFFF:FF,F,FFFFFFFF:F:FFFF:FFFF::FFFF,FF:FFFFFFFFFFFF,FFFFF
 FFFFFFFFFFFFFFFFFF,FFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FF::FFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:1448:21766:25911_2:N:0:TCTGCAAG+GCTGCACT
 AGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATA

GTATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACCACTT
+
FF:FFFFFF
FFFFFFFF,FFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:1240:9787:18098_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTTTCCAAAAAGCTATTAATAGCAGTTGCGGGCTATAATACCGCCTCCAGATTACTCTAACT
GAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTT
+
FFFFFFFF:FFFF:FF:FFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:F:FFFFFFFF:F
@A00721:190:HGJW7DSXY:4:1630:4996:25488_1:N:0:TCTGCAAG+GCTGCACT
GGCTTCTCTAAAGAACAGCAACTTTCAACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCAC
TTTATCACCTTGAGATGGTAAAGTCATTAACAAAGGAAATGTTAAGGCTGATGACTTAAATTCGCA
TTC
+
FF:FF:FFFFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2677:32172:24893_2:N:0:TCTGCAAG+GCTGCACT
AAAGAGGGTTTGAATAATTACGGAACCTTCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGA
GTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTGTGACTACGATCT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF,F:FFF:FF,FFFF:FFFF
@A00721:190:HGJW7DSXY:4:2425:29577:23406_1:N:0:TCTGCAAG+GCTGCACT
AGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAACTTATAGCGACTTTTGT
GAATTTTTCGCAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCGAGAAGAGATAGT
GAC
+
FFFFFFFF,FF
FF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1125:14968:22028_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAAC
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1138:24306:25363_1:N:0:TCTGCAAG+GCTGCACT
ACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGCGGCTTATACC
ATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTT
CAA
+
FFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF, F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1519:3513:32440_2:N:0:TCTGCAAG+GCTGCACT
TGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGG
TTTACGGCAGAAAAATTTCTCCTGCTTGTAATTGAGAGAGGACACTA
+
FFFFFFFFFFFF,FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FF:FFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1264:5728:17049_2:N:0:TCTGCAAG+GCTGCACT
TATTACTTTCACCTCAAGGTGAAAAGTTTGAATAAACAAAGTCCTTGGAAGAGTAAGGTTAAATGTG

AAGATGCTCAGACTATTCATGAAGTTCAAGGTAATACTTACCAGCACG
+
FFFFFFFFFFFFFFFF:FFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1463:27073:29465_2:N:0:TCTGCAAG+GCTGCACT
TTTTGCATCACAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTA
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTA
+
FF:FFFFFFFFFFFFFFFF:FFFFF
FFFF,FFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2239:27037:20917_2:N:0:TCTGCAAG+GCTGCACT
TTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGATGACGATGAGTATCTTGAAGT
GGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTAC
+
FFF:FF:FFF,:FFF,FFFFFFFF,FF::FF,F:FFF:,FFFFFFF,FFFFFFFF::FFF,FFFFFF
,:FFFFFFF:F:FFFFFFF,:FFFFF,FFFFFFFFF:::FFFF:FF:FF
@A00721:190:HGJW7DSXY:4:1205:13277:14528_1:N:0:TCTGCAAG+GCTGCACT
AACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGC
ATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTT
TAG
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2521:1904:22326_1:N:0:TCTGCAAG+GCTGCACT
CCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCAC
AACGGAAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTT
TTG
+
FF,FFFFF,FFF,:FFFFFFFF::FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFF,F:,FFFFFF
:FFF,F:F:FFFFFF,F:FF,F:F,,FF:FFF:F,FFFFFFFF:FFFFFFFF,:F:FF,:,:F,:FFF
FFF
@A00721:190:HGJW7DSXY:4:2276:10004:12461_1:N:0:TCTGCAAG+GCTGCACT
GATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGA
CGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCT
ATT
+
FFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2564:18159:36855_2:N:0:TCTGCAAG+GCTGCACT
AGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTA
TCACGCAAAATTTATTAATGCAATTTTCGACCTATCTTTAAGGTTCT
+
FFFFF,FFF
FFFFFFFFFFFFFF:FFFF,FFFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2428:10176:18490_2:N:0:TCTGCAAG+GCTGCACT
CTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTCTCT
CTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTTCGAA
+
FF::FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF::FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1456:30563:6887_1:N:0:TCTGCAAG+GCTGCACT
TAAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTTGAGTG

CCAGTGAATATTTTTGTCACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGA
CGA

+

FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2107:32271:25629_1:N:0:TCTGCAAG+GCTGCACT
TAACACATTCTTTGGTAATTGTATGATCACTCTTATGATGCTCTCTCTTTATTACGACCTTCGGAAGT
TTAGAGCCGTCGCTGTCGCCGGAGACGATTGATCCTCTTTTCGGACGTACCGGTCCAGGATTATTCA
GAT

+

FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1377:23809:26256_2:N:0:TCTGCAAG+GCTGCACT
TGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTACAAGATCATCGT
TAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGA

+

FFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFFF:FFFF:F
FFFF::FFF:FFF::FF:FFFFFFFFFFFF:FF::FF,:FFFF:FFFF

@A00721:190:HGJW7DSXY:4:1664:30020:10081_2:N:0:TCTGCAAG+GCTGCACT
TTAAAGACTATACTAAATATCTCCACTACGAGTTGTTGTTGGCGATTAGCTCTTGCGACTAATATT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF:FFFF:F:FFFFFFFF:F:FFFFF,FFF:FFFFF:
F,FFFFF:FFFFFFFFFFFF::FFFFF,FFFF::F:FFFFFFFF::FF:FF

@A00721:190:HGJW7DSXY:4:1215:30807:8343_2:N:0:TCTGCAAG+GCTGCACT
TTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCTACCTTTCCTTG
TGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2268:5005:27571_1:N:0:TCTGCAAG+GCTGCACT
GACTGGAGTTCAGACGTGTGCTCTTCCGATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGC
GAGAGCGACCAAGATCTAAATTCCGTAACGGTGCGTGGCGCTTTATTTTAAAAGCTCCCTCCTCTCG
CAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2204:7238:29183_2:N:0:TCTGCAAG+GCTGCACT
ACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTTCAATTTAAATGACGATCATTAAGACTCTC
TTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCATCAGCTTGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2318:20139:31078_2:N:0:TCTGCAAG+GCTGCACT
TTTTACGATAACAACATCATGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCA
GGGTGAAGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2171:26992:30107_1:N:0:TCTGCAAG+GCTGCACT
CACTACCACTTATTCCGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTCAT

@A00721:190:HGJW7DSXY:4:1376:3070:25097_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTAC
TATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTACCCTGATTCCGGCCGGTGGTA
GCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2333:26512:35634_2:N:0:TCTGCAAG+GCTGCACT
AGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGTAATTACACCTAAACGAGCTC
GATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2303:6858:35102_2:N:0:TCTGCAAG+GCTGCACT
TCGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCT
GGATAAGCGTTACCGTTGAAGGCTAACTACAAGGTAATTATGAAGAC

+

,,FFF:FFF:F:FFF,F,,FFF,F,FF:,F,F:FF,F,:F:FFF,FFFF,FF:FF,F,FF,,,,
,F,,,F::,FF,F,F,:F,,,F:,,,,FF,F:FF,:F,,FFFF

@A00721:190:HGJW7DSXY:4:2665:6280:28119_1:N:0:TCTGCAAG+GCTGCACT
GTATGAGGGTGTCTTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATA
CTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATC
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1221:2266:25520_2:N:0:TCTGCAAG+GCTGCACT
AAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACA
AGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1163:6180:3928_1:N:0:TCTGCAAG+GCTGCACT
CCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACG
TTGCTTGTGCTTCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGT
TCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2120:18304:25614_1:N:0:TCTGCAAG+GCTGCACT
GTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTTCAACGTTACCGAGTTTCGTTTCGTA
CCTTGATGCTGACTTTCGTCATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTG
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2370:4101:2738_1:N:0:TCTGCAAG+GCTGCACT
TACGAACCTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACT
TCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGGATTTTAATATAAAGAATCTTTACCAGGACT
CCT

+
FFF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2360:7789:7341_1:N:0:TCTGCAAG+GCTGCACT
TGATCGTAAGAAGTTTATAAGGAACATATCCATTGTGTAATAGGGTCATCAACTTAGAACTCGAAA
CTCTAAGTGGTAATACTGTCTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGG
GAC
+
FF:FFFFFFFFFFFFFFFFFFFFF:FFF
FFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2608:6343:32894_1:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAAGAATAC
TATAAATAGAATAGCTATTACTACTAATGGCGTTGCCTAGTGGATGTTATTAGTGACATCTGGTCAA
TTT
+
FFF:FFFFFFFFFFFF
FFF:F:FFFF,F,FFFF,F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1645:17490:9048_1:N:0:TCTGCAAG+GCTGCACT
TGGTCTTTATTCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAAT
TCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCT
AGG
+
F:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1376:21712:13855_2:N:0:TCTGCAAG+GCTGCACT
TACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTT
TACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTAC
+
FFFFFFFFFFFF:FFF:FFFFFFFFFFFF,F
:FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFF,
@A00721:190:HGJW7DSXY:4:2102:9299:12962_1:N:0:TCTGCAAG+GCTGCACT
GGGATGCATGGTGTTATCTCCTCAGGAGTCCC GG CATTTGATAATAATGACGAGACTTTCGTCATAAT
CGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTAT
TAA
+
FFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFF,FFF
FFF
@A00721:190:HGJW7DSXY:4:1166:10022:16219_2:N:0:TCTGCAAG+GCTGCACT
GATTCTCGATTTCGTAGAGCTTATCTAGGTACTCTCATTTACTATGTTGATTTAGTCTACATTTATGCT
GATCTAAATTTTCGATCTAGATGGATCCACTCCTCGAGTTATCATGAT
+
FFF:FFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2443:16785:7044_1:N:0:TCTGCAAG+GCTGCACT
TTCTAGAATTCTTAATTATAATATTCAACCTCAAAGTTACGTGTTTACAGTAACGAGATCACACATT
TTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATA
ATA
+
FE,FFF:FFF:FFFFFFFFFFFF:FE:FFF,FE:FFFFFFFFF:FFFFFFFFFFFFFFFF:F,FFFFFFFF

[illegible]

@A00721:190:HGJW7DSXY:4:2451:18466:24142_2:N:0:TCTGCAAG+GCTGCACT
ATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATC
TCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGA
+
FF:FFFF
FF
@A00721:190:HGJW7DSXY:4:2404:16658:6480_1:N:0:TCTGCAAG+GCTGCACT
CACGACTCGAAACCGAGACGCCGTA
+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2269:4209:20556_2:N:0:TCTGCAAG+GCTGCACT
TTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTAT
AACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCC
+
FF,FFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF:FF:F
@A00721:190:HGJW7DSXY:4:1261:2220:20400_2:N:0:TCTGCAAG+GCTGCACT
TTGTAACGATCATTCTTTCGAGTTTTGTCATTCTTATTCTTTTATTCCTTTAACTGTGTATGAGGAGG
ATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTAC
+
FF:FFFFFFFFFFFF::FFFFFFF
FF:FFFFFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2464:4896:15922_2:N:0:TCTGCAAG+GCTGCACT
CTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACATTAT
CCGATTCTTCGAGGGTATTACTACCACTGATCTGCCGACTTTAGTCAA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2419:8947:5901_2:N:0:TCTGCAAG+GCTGCACT
TTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAAATTTTAGAAC
TTTATTTACAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGA
+
FF::FFFFFFFF:FFFFFFF
FFF:FF
@A00721:190:HGJW7DSXY:4:1567:12635:21465_2:N:0:TCTGCAAG+GCTGCACT
ATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGA
TTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATAT
+
FF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:
FF::F,F:FFF,FFFFFFFF:FFFF:F
@A00721:190:HGJW7DSXY:4:1112:5629:6511_2:N:0:TCTGCAAG+GCTGCACT
TTTAAATAGCACCGATTATAAATTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAG
AAGTAACCGGTGAACACGTCGGTAGCATTGATTTAATTTTACCGTTAG
+
FF:FF::FFFF:,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFF,FF:FF:FFFFFFFFFFFFFFFFFFFFFFFF,,
FFFFFFFFFF:FFFFFFFFFFFF:FFFFFF::,FFF:F,,FFFFF::FFF:
@A00721:190:HGJW7DSXY:4:2164:9064:13714_2:N:0:TCTGCAAG+GCTGCACT
TTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAG
TACCTGAACCTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1128:16387:28620_2:N:0:TCTGCAAG+GCTGCACT
TCTCGGTAATGAGAGTGATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCA

CACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2272:13467:8938_1:N:0:TCTGCAAG+GCTGCACT
TGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTG
TATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTG
GGG

+

FFFFFFFFFFFF:FFFFFF:F::FFF:F:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFF
FFFFFF,F,FFF:FFF:FFF,FFFF:F:FFFFFFFF:FFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1403:8938:27242_1:N:0:TCTGCAAG+GCTGCACT
CTCCCCAAACATAACATAACCTACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAG
GGTCAAACCTACTACCGCCTGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGC
AGA

+

FFFFFFF::F,F:FFFFFF:F,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1101:8513:32643_2:N:0:TCTGCAAG+GCTGCACT
TCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAG
GAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1431:14009:8093_1:N:0:TCTGCAAG+GCTGCACT
AACTGAGGCAGTACCTCAGTCAAAAGTCACATTACCACTCCCATACCAATCAATGATGTGACTATAC
AGTTGCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGC
AAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1223:7609:6151_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCAT

+

FF
FFFFFFFFF:FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2508:22073:17989_2:N:0:TCTGCAAG+GCTGCACT
GAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGAATAAGAAATCTG
CACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1123:12264:4006_2:N:0:TCTGCAAG+GCTGCACT
GTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTGCTGCCTACTATG
AGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTT

+

FFFFFFFFFFFFFF,FF:FFFFFFFF:,FF,FFFFFFFF:F,,FF:FFFF:FFFFFFFF:FFFF:
FFFFFFFF:F:FF:FFFF:FFF:FFFF,FFFF,,FFF:F,FFFF

@A00721:190:HGJW7DSXY:4:2458:30300:31140_1:N:0:TCTGCAAG+GCTGCACT
CTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGAC

GAGGCCGGTGACGTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAACTATGGGGCGAAGAT
CCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2544:31069:3724_2:N:0:TCTGCAAG+GCTGCACT
GTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTAC
AAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCAGAATGCG

+

FFFFFFFF:FFF:FFFFFFFF
FF,FF:F

@A00721:190:HGJW7DSXY:4:1668:16098:19789_2:N:0:TCTGCAAG+GCTGCACT
TTCCTGCTTCTGGGAGGCTGCTTCTCCTCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAG
TTGGGCAAATTCCCACATATGGTAGACGTTGTACACAGATCGGAAGA

+

FFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1169:20139:22623_2:N:0:TCTGCAAG+GCTGCACT
CGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGG
ACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1356:27489:32878_2:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCACTTCAGAGAGGGGAGCTCTGAAAA
GGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGA

+

FFF:FFFFFFFF:FFF:F
FFF:FF

@A00721:190:HGJW7DSXY:4:1642:7762:33035_2:N:0:TCTGCAAG+GCTGCACT
GAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTT
TCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCA

+

FF,FF
FFFFF,FF

@A00721:190:HGJW7DSXY:4:2602:21649:15123_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+

FFFFFFFFFFFFFFFFFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1451:21567:29700_2:N:0:TCTGCAAG+GCTGCACT
TGGCAGAATTCGGTAACCTTACCATATTGTTCCCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAACT
ACTCCGATCAGATCCGGATGTTTGATTGGTATGGACTACTCGACTTT

+

FFFFFFF:FFFFFFFFFFFFFFFF:FFF
FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2146:6271:32299_1:N:0:TCTGCAAG+GCTGCACT
CATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTG
AGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTA
CCT

+

FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

FFFFFFFF:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1145:7374:34491_2:N:0:TCTGCAAG+GCTGCACT
GGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC
GTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGA

+

FFF:FFF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1477:13503:16297_2:N:0:TCTGCAAG+GCTGCACT
AGATATTATTGATATTGGAGGCGATATTCGTTTTTCATATCCAAAACCTCTTGAATGGAGTACATATTT
GCAACCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGA

+

FF:FF
FF

@A00721:190:HGJW7DSXY:4:1525:2953:28025_2:N:0:TCTGCAAG+GCTGCACT
TCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGA
TTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2202:4209:27320_2:N:0:TCTGCAAG+GCTGCACT
CTTAAGAGAGAGATTGATGTATGTCATTTTCGTCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAA
AAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA

+

FF
FF:FFFFFFFF:F::FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF, :FF:F

@A00721:190:HGJW7DSXY:4:1659:12029:9862_2:N:0:TCTGCAAG+GCTGCACT
GTTATTCTCACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCCTTAAGGGCGGACAA
TTGTTCCATTGTGAACCTTGGGGACTAGATTGAGCATTAATGAGTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1247:10691:15969_2:N:0:TCTGCAAG+GCTGCACT
CTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGT
TCGTTCTCAATAAAAATTTTTCTCAAGAGATTATGTTGATAAAGTT

+

FFF:F:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1547:21721:8766_1:N:0:TCTGCAAG+GCTGCACT
TTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTGAATATGTTACGACATGGCTT
CGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTCATATAGATACGAG
ATA

+

FFFFFFFFFFFF, :FFF
:FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1452:15881:15280_2:N:0:TCTGCAAG+GCTGCACT
CAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAAACTTAAC
GTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,F,FFFF:FFFFFFFFFFFF:FFFFFFFF:FFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2234:16459:1251_1:N:0:TCTGCAAG+GCTGCACT
CCTACGGTGACTTTATGGACAAGATGCAAGTTCCTGGGAAATACTTGTTTCCCTTTTATAGTTTAGTA

GGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCT
TAT

+

FF
FF:
FF
FFF

@A00721:190:HGJW7DSXY:4:1238:28628:28275_2:N:0:TCTGCAAG+GCTGCACT
ACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTC
TTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTT

+

FFFFFFFFFFFFFF:F:FFFFFF:FF
FF:
FF

@A00721:190:HGJW7DSXY:4:1308:30924:5509_2:N:0:TCTGCAAG+GCTGCACT
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTT
GAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAG

+

FF
FF:
FF

@A00721:190:HGJW7DSXY:4:2505:17535:23312_1:N:0:TCTGCAAG+GCTGCACT
AGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCAATAAACTAATGAGAGGTATAGGCTTA
GTCAAGTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGGTATTTC
TGA

+

FFFFFFFFFFFFFFFF:FF,FFFFFF:FFFFFFFF:FFFFFFFF:FFFF:F:FFFFFF:FFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1623:15619:32550_2:N:0:TCTGCAAG+GCTGCACT
CAGAGCGTCATTTTCTTTGGGATCTTTCCTCTGGTAAGGGAATTATTAAATCATTCTTCTCACTCTT
GACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTCAAAAA

+

FFFFFFFFFFFFFFFF:FF
FFFFFF:FF

@A00721:190:HGJW7DSXY:4:1254:9896:5509_1:N:0:TCTGCAAG+GCTGCACT
CTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACCACTTTTGAAAGGAAAATAATTGGT
GATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCAT
AAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2430:31638:5212_2:N:0:TCTGCAAG+GCTGCACT
AGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAAATATCAGGTTCTTGTC
ACGATTCTTAAAAGAAGTTTATTAAACTTCAGAGTCTCTTGGAAGTC

+

FF
FF:FFFFFFFF:FFFFFFFF:F:FFFF:FFFFFF,FFF,FFFF:

@A00721:190:HGJW7DSXY:4:1265:3161:3145_1:N:0:TCTGCAAG+GCTGCACT
CAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATT
CAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCACA
AGC

+

:F:F,F,FFFF:FFFF:FF:FFFF:F,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF:FFF:FFFF
FFFF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFF,
,FF

TGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGA
+
FF
F:FF
@A00721:190:HGJW7DSXY:4:1473:3323:34491_1:N:0:TCTGCAAG+GCTGCACT
GATTAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTTCGGG
CTGTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTA
AGT
+
FFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1266:26847:17456_2:N:0:TCTGCAAG+GCTGCACT
CCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCAAGGATGTCTTGGTCGAAAAATATCGC
CGGGACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACC
+
FF
FFFFF,FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1119:23366:25801_2:N:0:TCTGCAAG+GCTGCACT
CTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTG
GGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAA
+
FFFFFFFFFFFFFFFFF:F:FF
FF
@A00721:190:HGJW7DSXY:4:2443:27715:30639_1:N:0:TCTGCAAG+GCTGCACT
ACTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGG
AGAAAACAGAACAAAGCGAGCGGTTGAAGAGAAAAGTATGTTGCGGCTGATCGTACCCCAATTCC
TGC
+
FF
FFF:FFFFF,FF,FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2126:6144:2769_2:N:0:TCTGCAAG+GCTGCACT
CTCGGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAA
AGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAA
+
FF
FFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1354:20166:19163_2:N:0:TCTGCAAG+GCTGCACT
TGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAAGCTATTAATAGCAGTTGCGGGGCTATAATAC
CGCCTCCAGATTACTCTAAACTGAATCCACTCTCTTGGGATATAAATG
+
FF
FF:FFFFFFFFF:FFF:
@A00721:190:HGJW7DSXY:4:2226:4770:9126_1:N:0:TCTGCAAG+GCTGCACT
GGCTTCTCTAAAGAACAGCAACTTTCAACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCAC
TTTATCACCTTGAGATGGTAAAGTCATTAACAAAGGAAATGTTAAGGCTGATGACTTAAATTTCGCA
TTC
+
F:FFFFFFFFF:FFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1305:23312:20478_2:N:0:TCTGCAAG+GCTGCACT
TTTGAAAATTACGGAACCTTTCCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCT

TGCGAAGGTTCAAGTCGATTGATTTTGTTGACTACGATCTCTCTTGTA

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFF:FFF:FFFFFFFFF,FF
```

+

[illegible]

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF

```

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFF:FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

+

```
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FF:FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

[illegible]

+

```
F,F:FFFFFFFFFFFFFFFF:FF,FFF:F:FFFF:FFFFFFFFFFFFFF:FFF::FFF,FFFFFF:FFFFF:,F
:FF:FF:FFFF,FF:FFFFFFFFFFFFFF,,:,FFFFFFFF:FFFFF,FF:F:
```

$$+$$
[illegible]

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF

FF
FFF

@A00721:190:HGJW7DSXY:4:1132:25003:28166_2:N:0:TCTGCAAG+GCTGCACT
CCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTTCACA
ACGGAAGACATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAAC

+
FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:

@A00721:190:HGJW7DSXY:4:2540:1118:14575_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTG
GGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAAT

+
:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F:FFFF

@A00721:190:HGJW7DSXY:4:2164:28592:31000_2:N:0:TCTGCAAG+GCTGCACT
AATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGC
TTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGC

+
FF
FF

@A00721:190:HGJW7DSXY:4:1629:9968:25488_2:N:0:TCTGCAAG+GCTGCACT
CCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTATGTATACAGA
GATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTCTCTTAGGAGG

+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1511:29071:18928_1:N:0:TCTGCAAG+GCTGCACT
TAAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTTGGAGTG
CCAGTGAATATTTTTGTCACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGA
CGA

+
FFFFFFFFF,F:F,FFFFFFFFF,F::FF,:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFF:F:FF:FFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2469:27959:17253_1:N:0:TCTGCAAG+GCTGCACT
TAACACATTCTTTGGTAATTGTATGATCACTCTTATGATGCTCTCTTTATTACGACCTTCGGAAGT
TTAGAGCCGTCGCTGTCGCCGAGACGATTCGATCCTCTTTTCGGACGTACCGGTCCAGGATTATTCA
GAT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1459:19849:10410_2:N:0:TCTGCAAG+GCTGCACT
TGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTACAAGATCATCGT
TAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGA

+
FFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:F:FFFF:FFFF:F
F:FFFFFFFF,FFF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2213:15619:18020_2:N:0:TCTGCAAG+GCTGCACT
TTAAAGACTATACTAAATATCTCCACTACGAGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATT
CGATATTCGATTGAGGGTCGTTATACCTATTGGCTATCTGTGCTTTG

+
FF
FF

@A00721:190:HGJW7DSXY:4:1226:32714:2284_2:N:0:TCTGCAAG+GCTGCACT
TTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCTACCTTTCCTTG
TGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTA

@A00721:190:HGJW7DSXY:4:2435:31665:8735_1:N:0:TCTGCAAG+GCTGCACT
GACTGGAGTTCAGACGTGTGCTCTTCCGATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGC
GAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCG
CAA

@A00721:190:HGJW7DSXY:4:2215:16071:3270_2:N:0:TCTGCAAG+GCTGCACT
ACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTC
TTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTTCCTCATCAGCTTGT

@A00721:190:HGJW7DSXY:4:2336:31910:7435_2:N:0:TCTGCAAG+GCTGCACT
TTTTACGATAACAACATCATGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCA
GGGTGAAGCACAACTTTGACCGTGACGAACGTGTGGTGTTCTTGATCT

@A00721:190:HGJW7DSXY:4:2211:8034:11209_1:N:0:TCTGCAAG+GCTGCACT
CACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTCAT
CGCAACCAGATGATATCTTCTATTCGAACTTATGTTTCGATCAGTGTTTCTTCTATCAGGAGGAAAAC
ACT

@A00721:190:HGJW7DSXY:4:2203:25229:23829_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTAATGTGGCCTGAAC TACGTTTCACTTTGTGTG TACTTGTCTCTATTTTAAGTTTTGTCTTC
TTGTTTGTCTTATTCTATTAATCACTCATTTT AGTGAGATTATTAAAA

@A00721:190:HGJW7DSXY:4:1368:16315:25927_2:N:0:TCTGCAAG+GCTGCACT
GACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAA
TTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTT

@A00721:190:HGJW7DSXY:4:2438:15754:15812_1:N:0:TCTGCAAG+GCTGCACT
CTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGC

@A00721:190:HGJW7DSXY:4:2603:21549:28792_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGA
ATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATC

+

FF
:FF

@A00721:190:HGJW7DSXY:4:2536:2790:6417_1:N:0:TCTGCAAG+GCTGCACT
TAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATA
CCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATG
AAT

+

FF::F:FFFFFF:F:FFFF,,FFFF::FFFF:FFFFFF:FFFF:FFF:FFFF::F:FFFF::,F
::FFFFFF:FF,:F:F,:FF:FFFF::FF:F:FFFFFF:FFFFFF,F:F:FFF:FFFFFFFF:FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1571:26124:18897_1:N:0:TCTGCAAG+GCTGCACT
TTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGG
TGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTG
ATG

+

F:FF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1202:30101:32487_1:N:0:TCTGCAAG+GCTGCACT
GGTCGTGACGTTGATGAAGCTATAAGAGCGTTCCTATTACGGCGCACTTCTTTACCCGCCACCACACA
ACTTTTCAGTTTCACAACCTGAAGGAGGAGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATA
ATA

+

FF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2134:14398:29747_2:N:0:TCTGCAAG+GCTGCACT
GATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGA
TAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTC

+

FFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFF
FFFFF:F:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1558:31991:8234_2:N:0:TCTGCAAG+GCTGCACT
TGCTGAAACAGCTATTAAAGCTGTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTG
AAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2521:21377:14685_1:N:0:TCTGCAAG+GCTGCACT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGT
TACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCCTCTGGCCTTGTAT
GAG

+

FFFFF::FFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2608:11677:29763_2:N:0:TCTGCAAG+GCTGCACT
CGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGG
TGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTAT

+

FFFF:FF
FFFFFFFFFFFFFFF,,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1242:1280:28948_2:N:0:TCTGCAAG+GCTGCACT
AAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACA
AGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTC
+
FFFFFFFFFFFFFFFFFFFFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF,FFFF,F
FF,FFFFFFFFFFFF,FFF:FFFFFFFFFFFF,FF,:FF,FFF,:F:F:FFF:FF
@A00721:190:HGJW7DSXY:4:1172:18900:12837_1:N:0:TCTGCAAG+GCTGCACT
CCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACG
TTGCTTGTGCTTCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGT
TCC
+
FFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2131:19723:28573_1:N:0:TCTGCAAG+GCTGCACT
GTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTTCAACGTTACCGAGTTTCGTTTCGTA
CCTTGATGCTGACTTTTCGTCATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTG
CGA
+
FFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2370:4381:3129_1:N:0:TCTGCAAG+GCTGCACT
TACGAACCTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACT
TCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGGATTTAATATAAAGAATCTTTACCAGGACT
CCT
+
FFF:FFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1220:3070:36370_1:N:0:TCTGCAAG+GCTGCACT
GATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAAC
TCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGG
ACA
+
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2629:11080:24502_1:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTGTTATCGACGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAGAATAC
TATAAATAGAATAGCTATTACTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAA
TTT
+
:FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1650:11749:12226_1:N:0:TCTGCAAG+GCTGCACT
TGGTCTTTATTCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAAT
TCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCT
AGG
+
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF

FF
FFF
@A00721:190:HGJW7DSXY:4:1412:3929:19820_2:N:0:TCTGCAAG+GCTGCACT
TACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTT
TAACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTAC
+
FFFFFFFF:FFFFFFFFF:FFF:
FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,F,FF,F
@A00721:190:HGJW7DSXY:4:2129:31123:31720_1:N:0:TCTGCAAG+GCTGCACT
GGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCAATAAT
CGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTAT
TAA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:F:FFFFFFFFFFFFFFFF:FFF:FFFFFF:FFFF
,FFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
F:F
@A00721:190:HGJW7DSXY:4:1178:13910:35509_2:N:0:TCTGCAAG+GCTGCACT
GATTCTCGATTTCGTAGAGCTTATCTAGGTACTCTCATTTACTATGTTGATTAGTCTACATTTATGCT
GATCTAAAATTTGATCTAGATGGATCCACTCCTCGAGTTATCATGAT
+
FFFFFFFFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2456:29677:33849_1:N:0:TCTGCAAG+GCTGCACT
TTCTAGAATTCTTAATTATAATATTCAACCTCAAAGTTACGTGTTTACAGTAACGAGATCACACATT
TTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATA
ATA
+
FF,FF:FFF:FF:FFFFFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2516:3694:24706_2:N:0:TCTGCAAG+GCTGCACT
CAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATA
GGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1452:14940:7138_1:N:0:TCTGCAAG+GCTGCACT
AGGACACTTCGAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTA
AAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAG
ATA
+
F:FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1210:23909:14215_2:N:0:TCTGCAAG+GCTGCACT
ACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAAT
TGGTCCAACATTTACCACCAAATCTTTTGATACAACCTCTAGCCTTCA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1127:23068:6433_2:N:0:TCTGCAAG+GCTGCACT
CTTGCTATTACACGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGT
TTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAA
+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2271:32750:35383_2:N:0:TCTGCAAG+GCTGCACT
GGTGATAAAAATTATTTAGAGATCTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGA
AAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCT

+
FF
FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1305:22290:17143_2:N:0:TCTGCAAG+GCTGCACT
TGCTATTGATTATGTAACCGATAGGAGTAGTATAGTTGAAGATGTGTCTTTAGACGATAATCCTTTAA
GGACTATGTTGACTGACGAAGATTTTACCACAGATTTGTCTACGTTGC

+
::,FF:F,FFFF:FFF:F,FFFFFF,F,,:FFFF,:FF,F:,,F,FF,FF,FF,:FFF,:::,:F
,:FFFFFF:,FF,F::F,FFF:,FFF,:FF,F,FFF,,,FF,FFF:F
@A00721:190:HGJW7DSXY:4:2620:9245:30279_2:N:0:TCTGCAAG+GCTGCACT
CTATATACATTATAAAATATAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCTTGGCTTTCAAC
GAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATT

+
FF
FF,FF
@A00721:190:HGJW7DSXY:4:2411:5122:24893_1:N:0:TCTGCAAG+GCTGCACT
TTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT
TATATTATTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTA
ATA

+
FFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2516:15157:3912_2:N:0:TCTGCAAG+GCTGCACT
ATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATC
TCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGA

+
FF
FF
@A00721:190:HGJW7DSXY:4:1118:6903:7310_1:N:0:TCTGCAAG+GCTGCACT
CACGACTCGAAACCGAGACCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTA
CTCATTTTATAGCAGTTATTTA

+
:FF:FFFF,FFFFFFFFFFFFFFFF:FF,FFF:,FFFFFF:FFFFFF:,FFFFFFFFFFFF,FFFFFF
FF::FFFFFFFFFFFF,F::
@A00721:190:HGJW7DSXY:4:2378:4951:36933_1:N:0:TCTGCAAG+GCTGCACT
TTTATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGAC
ATTATCTCTTATGTACTTATTGTAACGATCATTCTTTCGAGTTTTGTCATTCTTATTCTTTTATTCCT
TTA

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2334:15040:25598_2:N:0:TCTGCAAG+GCTGCACT
TTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTC
ACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAA

+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFF

@A00721:190:HGJW7DSXY:4:2367:19913:35697_1:N:0:TCTGCAAG+GCTGCACT
CACTACCACTGATCTGCCGACTTTAGTCAAGGAAGTTCAATTCCTTCGATGTTTATATTTTCTATAA
GGGAAAATATCAATAATCAAATTTGACAAATTTAGAACTTTATTTCAGAACTCTCTCCGATCACCT
TGG

+

:F:FFF:FFFFFFFF:F:FFFFFFFF,F:FF,FF:FFFFFFFF,F:F,FF:F,FFFF,:FFF:FFF:F
FFFF:FFFFFFFFFFFFFFFFF:,FF:::FFFF:FFFFFFFFFFFF:F:F::FFFF::FFFF,:F
FF:

@A00721:190:HGJW7DSXY:4:2668:22978:31610_1:N:0:TCTGCAAG+GCTGCACT
TCTTTTCAATAAGATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATACTTGAAT
ACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTT
ACT

+

:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1552:5846:9831_2:N:0:TCTGCAAG+GCTGCACT
CCGATTATAAAGTACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGT
GAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2402:14597:14497_1:N:0:TCTGCAAG+GCTGCACT
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTT
ACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTAT
TCC

+

FF:FFF:F,FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1575:11243:29450_1:N:0:TCTGCAAG+GCTGCACT
GGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTT
TAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCC
TTT

+

FF
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1453:6596:31015_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATTGCTTACACACAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGA
ATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAG

+

FF:FFFFFFFFFFFFFF,FF:FFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2231:15953:18004_1:N:0:TCTGCAAG+GCTGCACT
CTCCCCAACATAACATAACCTACCATGACCAATCATCGCTCCAAGTGGCACGCCAGACGTAG
GGTCAAACCTACTACCGCCTGTGCGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTGTGC
AGA

+

FFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1176:32253:28948_2:N:0:TCTGCAAG+GCTGCACT
TCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAG

+

@A00721:190:HGJW7DSXY:4:1538:2329:16892_1:N:0:TCTGCAAG+GCTGCACT
AACTGAGGCAGTACCTCAGTCAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATAC
AGTTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGC
AAG

+

@A00721:190:HGJW7DSXY:4:1228:3676:32784_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAAACAGAGAAGAATAAAGGGAAAGGTCCAT

+

@A00721:190:HGJW7DSXY:4:1103:30743:28557_2:N:0:TCTGCAAG+GCTGCACT
AGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCA
CGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTC

+

@A00721:190:HGJW7DSXY:4:2174:29414:29951_2:N:0:TCTGCAAG+GCTGCACT
GTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATG
AGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTT

+

@A00721:190:HGJW7DSXY:4:2239:12328:20243_2:N:0:TCTGCAAG+GCTGCACT
CTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACG
TTTTTGTCAACGGCGTTTGGAGGATTTATCCGCGCTTAACATATGGGG

+

@A00721:190:HGJW7DSXY:4:1414:32533:21355_2:N:0:TCTGCAAG+GCTGCACT
CTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGC
ACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTC

+

@A00721:190:HGJW7DSXY:4:1174:32235:16642_2:N:0:TCTGCAAG+GCTGCACT
TTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCAGTGGTTC
TGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATT

+

@A00721:190:HGJW7DSXY:4:1353:1416:12618_2:N:0:TCTGCAAG+GCTGCACT
AAATTTCCACATATGGTAGACGTTGTACACATTTTCTTGAAAATTTTTCCTTTCCTCCGTCATTGGGG
ATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGA

+

```

FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFF::FFFFFFF
FFFFFFFF:F:FFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1154:23547:8265_1:N:0:TCTGCAAG+GCTGCACT
TTCAGACGTGTGCTCTTCCGATCTCGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAG
ACGGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGT
CAG

+

FF
FFF:FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2141:19388:26741_2:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCC
AGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTA

+

FF
FFFFFFFF:FFFFFFFF:FF:FF
FFFFFF:FFFFFF:FFF:FF,FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2649:4463:29105_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTTGAGTTTTAGATAATCTTTTGAGAAGGGGTATAGAGCCAGCAAGAGAAGCTTATATGCTGG
TTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATA

+

FFFFFFFFFFFFFF:FF
F,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2516:20302:16078_2:N:0:TCTGCAAG+GCTGCACT
CTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTGAGTATCGACAGATCTTT
CGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACTTACCA

+

FFFFFF:FF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:

@A00721:190:HGJW7DSXY:4:2328:3296:8641_2:N:0:TCTGCAAG+GCTGCACT
GGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGA
CTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTAC

+

:F,F:FFFF,FFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FF::F,:FFF:FFFFFFFF:FFFF
F:FFFFFFFF,F,FFFF:FFF,,FFF:FF,:FFFFFFFF:FFFF,FF

@A00721:190:HGJW7DSXY:4:1339:21838:28009_2:N:0:TCTGCAAG+GCTGCACT
AATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGTTGAGGGAGCCGTTTGGCCGACTTTAACTA
TTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCTACCTTACAA

+

FF:FFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1241:27064:10504_2:N:0:TCTGCAAG+GCTGCACT
GGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC
GTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGA

+

FFFFF:FF,FFFFFFFF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2428:1208:11663_2:N:0:TCTGCAAG+GCTGCACT
AGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATATT
GCAACCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1268:24840:13698_1:N:0:TCTGCAAG+GCTGCACT
CACGAGACGTATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGAT
TGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCAC
TAT

+
FF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1167:7943:33129_2:N:0:TCTGCAAG+GCTGCACT
GATTGATGTATGTCATTTCTGTCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGACATAC
CCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCAT
+
FF:FFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2309:31819:20118_2:N:0:TCTGCAAG+GCTGCACT
GTTATTCTCACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAA
TTGTTCCATTGTGAACCTTGGGGACTAGATTGAGCATTAATGAGTTC
+
FF:FFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:::FFFFFFFFFFFFFFFF:FFFFFFF,FFFFFF
@A00721:190:HGJW7DSXY:4:2146:14751:36025_2:N:0:TCTGCAAG+GCTGCACT
CTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGT
TCGTTCTCAATAAAAATTTTCTCAAGAGATTATGGTTGATAAAGTT
+
FFFFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1626:3323:6308_1:N:0:TCTGCAAG+GCTGCACT
TTCAGTACGTATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTT
CGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTTCATATAGATACGAG
ATA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1457:15628:2597_2:N:0:TCTGCAAG+GCTGCACT
CAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAAACTTAAC
GTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG
+
FF:FFFFFFFFF,FFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2465:20591:35524_1:N:0:TCTGCAAG+GCTGCACT
CCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCTTTTTAGGTTTAGTA
GGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCT
TAT
+
FFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFF,FFFFFFF
F:FFF
FFF
@A00721:190:HGJW7DSXY:4:1238:28800:30514_2:N:0:TCTGCAAG+GCTGCACT
ACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTC
TTGAAAACCAAGTTAAGAATGAGGCTGATCATGGAGTCTTTGTACCTT
+
:F,F:FFFFFFFFF,FFFF:::FFFFF,:FF,F:FF,,FFF:FF,FF:FF,FFF:FFFFFF,F:FFF
FFF:FFFF,F:F:FFFFFF,:FFFF,,FF:F:,FFFFFFF,FFF,:F
@A00721:190:HGJW7DSXY:4:1314:21206:30733_2:N:0:TCTGCAAG+GCTGCACT
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTT
GAATGTTGTAAAGAATTGGGTTGAGAAGCGTGCAGATCGGAAGAGCGT
+

```

FFF:FFF:FFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2603:22164:15671_1:N:0:TCTGCAAG+GCTGCACT
AGTTTTTAGATCTTCTTGATAATCTTAAGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTA
GTCAAGTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGATTTC
TGA
+
F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1671:3170:36824_2:N:0:TCTGCAAG+GCTGCACT
CAGAGCGTCATTTTCTTTGGGATCTTTCCTCTGGTAAGGAATTATTAAATCATTCTTCTCACTCTT
GACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF:FFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1539:5240:19523_1:N:0:TCTGCAAG+GCTGCACT
CTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACCACTTTTGAAAGGAAAATAATTGGT
GATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGTTCCAT
AAG
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:F:FFFF,FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2659:19741:16454_2:N:0:TCTGCAAG+GCTGCACT
AGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAAATATCAGGTTCTTGTC
ACGATTCTTAAAGAAGTTTATTA AAACTTCAGAGTCTCTTGGAAGTC
+
FFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFF
FFF:FFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1411:20003:8516_1:N:0:TCTGCAAG+GCTGCACT
CAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATT
CAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTGCACA
AGC
+
:FFFFFF:,FFFFFFFFFFF:FFFFFF:FFFFFFFF
FFFF:FF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFF
,FF
@A00721:190:HGJW7DSXY:4:2140:13612:35055_2:N:0:TCTGCAAG+GCTGCACT
TTTCGACGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGG
AAAATTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGG
+
FFFFFFFFFFFFFFFF:FFFFFF
FFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2270:19180:34178_2:N:0:TCTGCAAG+GCTGCACT
AAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATA
GGTATGTGTACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTAT
+
FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFF:FFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1528:2293:27195_1:N:0:TCTGCAAG+GCTGCACT
GATCATTTGTT CAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTGC
ACGGACTTTAGCAACTTTAGATAAATTCTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAA
TGC

```

+
FFFFFFFFFFFFFFFFFFFFFFFF, , FF: FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1670:32362:1861_2:N:0:TCTGCAAG+GCTGCACT
CATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTA
CAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTAC
+
FFFFFFF: FF
FFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFF: FFFFFFFF
@A00721:190:HGJW7DSXY:4:2264:1371:30890_2:N:0:TCTGCAAG+GCTGCACT
ACTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCA
GGACTGATGGTGAGATTCTTTACCTTTTGGAGGTCCAGGAACCTTA
+
FFFFFFFFFFFFFFF: FF
FFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1644:14461:27633_2:N:0:TCTGCAAG+GCTGCACT
CCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTT
CCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCC
+
FF: FFFFFFFFFF
: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFF: F
@A00721:190:HGJW7DSXY:4:1628:31873:29919_1:N:0:TCTGCAAG+GCTGCACT
GTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCTATTG
ATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCGTCTTACCTATTTA
CAA
+
FFFFF: FF
FFFFF: FF
FFF
@A00721:190:HGJW7DSXY:4:2662:31656:32017_2:N:0:TCTGCAAG+GCTGCACT
TTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTCCCTCCCT
TTTTCGATTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAA
+
FF: FFF
FFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFF, FF
@A00721:190:HGJW7DSXY:4:2171:14055:27524_2:N:0:TCTGCAAG+GCTGCACT
TATTACTTCGGAAGTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGA
TGGATCTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGA
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:1606:1118:4617_1:N:0:TCTGCAAG+GCTGCACT
GATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTCCGG
CTGTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTA
AGT
+
: FFFFFFFFFFFFFFFF: FF
FFFFFFF: FF
FFF
@A00721:190:HGJW7DSXY:4:1338:8241:19899_2:N:0:TCTGCAAG+GCTGCACT
CCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTATGAGGATGTCTTGGTCGAAAAATATCGC
CGGGAACCTTAATAGAGGATCCTGATGACATTATTTCAACGGATACC
+


```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
```

+

@A00721:190:HGJW7DSXY:4:1669:28953:9173_1:N:0:TCTGCAAG+GCTGCACT
ATCTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAAC
AGAACAAGCGAGCGGTTGAAGAGAAAACCTGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGA
AAG

```

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

+

@A00721:190:HGJW7DSXY:4:1263:31611:7420_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGCTATAATACCGCCTCCAGATTACTCTAACT
GAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTT

[illegible]

+

@A00721:190:HGJW7DSXY:4:1324:7392:25160_2:N:0:TCTGCAAG+GCTGCACT
TTTGA AATTACGGAACCTTTCCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCT
TGCGAAGGTTCAAGTCGATTGATTTTGTTGACTACGATCTCTCTTGTA

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFF:F000000000000000000000000000
```

+

@A00721:190:HGJW7DSXY:4:1239:1579:5196_2:N:0:TCTGCAAG+GCTGCACT
CGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCA

AACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTG

[illegible]

CATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTAT
TGATCTCCAAGTCGCAAAC TACTTCAACATCAACGACATCATTCTTGA

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
F:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

TTATCGAAGTCTCAGTTATCGCTGCCCCGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAA
AAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGAC

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFF
```

TATTACTTTCACTCAAGGTGAAAAGTTTGAAATTAACAAAGTCCTTGGTAAGAGTAAGGTTAAATGTG
AAGATGCTCAGACTATTTCATGAAGTTCAAGGTAATACTTACCAGCACG

[illegible]

TTTTCGATCACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTA
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTA

[illegible]

TTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGT
TGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTAC

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FF  
FFFFF:FFFFFFFFF:FFF:F:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
```

AACCACTTAACGTCACCTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCG
 ATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTT
 TAG

[illegible]

CCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTCACA
ACGGAAAGACATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAAC

```
FFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF.FFFFFFFFFF.FFFFFFFFFFFF
```

GATCAGTCTAAGTTGGA⁺FAAAGTTATAGGAGACTCAGTT⁺AACTGAGAGCTCCTCAATTGATAGATTG
GGTCAACAATAGGGACGCTAGTATACTTCGTAAGTCGACAGCGAAAT

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF.FFFFFFFF

```


@A00721:190:HGJW7DSXY:4:2255:15447:27962_2:N:0:TCTGCAAG+GCTGCACT
ACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTC
TTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCATCAGCTTGT

+

FF:FF:FFFFFFFF:FF::
FF,F:FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2436:24126:2534_2:N:0:TCTGCAAG+GCTGCACT
TTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCA
GGGTGAAGCACACGTTTGACCGTGACGAACGTGGTGTCTTGATCT

+

FF:FFFFFFFFFFFFFFFF:FFFFFFFF
FF::FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2237:20021:7169_1:N:0:TCTGCAAG+GCTGCACT
CACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTTCGACGCCTTTAAGCGTCTTCTGTTCAT
CGCAACCAGATGATATCTTCTATTGCAACTTATGTTTCGATCAGTGTCTTCTATCAGGAGGAAAAC
ACT

+

FFFFFFF:FFFFFF:FF:FFFFFFFFFFFFFFFF
FFF,FFF:FF:FFFFFFFF:FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2248:14931:26068_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTAATGTGGCCTGAACTACGTTTCACTTTGTGTGTAAGTGTCTCTATTTTAAGTTTTGTCTTCC
TTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAATA

+

FF:FFFFFFFFFFFFFFFF:FFFFF
FF::FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1607:5502:26303_2:N:0:TCTGCAAG+GCTGCACT
GACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAA
TTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2450:7762:16532_1:N:0:TCTGCAAG+GCTGCACT
CTTAACAACAATGATAGTGAATTTATACCTAAAATCATTGGTTTTTCTAATAATGTTGACACTATTGT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGC

+

F:F,FFF,FFFF:FFFF,FF::FFFF,:F:,F:FFFFFFFFFFFFFFFF:FF,FFFF,,F,FFFFFFFF
FF,F:F,FFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FF,FFFFF:FFF,FFFF:FFF,FFFFF
,:F

@A00721:190:HGJW7DSXY:4:2655:26901:5963_2:N:0:TCTGCAAG+GCTGCACT
CCGAAAGACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGA
ATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2536:2889:6151_1:N:0:TCTGCAAG+GCTGCACT
AGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATAC
CTCTACGCAAAGATATTTTCATGAAAACACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGA
AT

+

FFFFFFFF:FFFFFFFFFFFFFFFF,FFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF

+

@A

+

GA

+

@A

+

GA

+

GA

+

@A

+

@A

+

@A00721:190:HGJW7DSXY:4:2325:26503:7592_1:N:0:TCTGCAAG+GCTGCACT
GTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAGTTTCGTTTCGTA
CCTTGATGCTGACTTTCGTCATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTG
CGA

+

F:FFFFFFFFFFFF, :FFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2403:8223:20838_1:N:0:TCTGCAAG+GCTGCACT
TACGAACCTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACT
TCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACT
CCT

+

FFF:FFFF:FFFFFFFF, :FF, FF:FFFFFFFFFFFFFFFF
:FF
FFF

@A00721:190:HGJW7DSXY:4:1310:4137:16892_1:N:0:TCTGCAAG+GCTGCACT
GATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAAC
TCTAAGTGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGG
ACA

+

FFF:FFFFFFFFFFFF:FF:, FFFFFFFFF:FFFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFF:F
FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF, FF:FFF, FFFFFFFFF: :FFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1627:1958:13902_1:N:0:TCTGCAAG+GCTGCACT
ACCGGTGGATGGTTTAAAGAATACTATAAATAGAATAGCTATTACTACTAATGGCGTTGGCCTAGTGGA
TGTTATTAGTGACATCTGGTCAATTTGTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGA
TTG

+

FFFF:FFFF:FFFFFFFF, FFFFF:F:FFFF, FFFFFFFFFFFFFFFFFFFFFFFFFF, F, FFFFF
FF:FFFF:FFFF
F, F

@A00721:190:HGJW7DSXY:4:1224:16758:2112_2:N:0:TCTGCAAG+GCTGCACT
TGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGA
TAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGA

+

FF
FFFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1424:23511:21919_2:N:0:TCTGCAAG+GCTGCACT
TACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTT
TAACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTAC

+

FFFFFF:FFFFFFFFFFFFFFFF:FFFF, FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:
FFFF, FFF, FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2270:6677:13808_1:N:0:TCTGCAAG+GCTGCACT
GGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAAT
CGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTAT
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1538:11243:24721_2:N:0:TCTGCAAG+GCTGCACT
GATTCTCGATTCTAGAGCTTATCTAGGTACTCTCATTTACTATGTTGATTAGTCTACATTTATGCT

GATCTAAAATTTTCGATCTAGATGGATCCACTCCTCGAGTTATCATGAT

+

FF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFF:FF
,FFFFFFFF:F,FF:FF:FFFFFF:FFFFFFFFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:2529:22399:2707_1:N:0:TCTGCAAG+GCTGCACT
TTCTAGAATTCTTAATTATAATATTCAACCTCAAAGTTACGTGTTTACAGTAACGAGATCACACATT
TTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATA
ATA

+

FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFF:FFFF
FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1160:19081:23985_2:N:0:TCTGCAAG+GCTGCACT
AGTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGA
AGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1569:2917:16438_1:N:0:TCTGCAAG+GCTGCACT
AGGACACTTCGAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTA
AAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAG
ATA

+

FFFFFFFFFFFFFF: :FFF:FFFFFFFFFFFFFF:FFFF,FFFFFF,FFFFFF:FFFFFFFFFFFFFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1268:12020:36902_2:N:0:TCTGCAAG+GCTGCACT
ACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAAT
TGGTCCAACATTTACCACCAAATCTTTTGATACAACCTCTAGCCTTCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2257:13928:3161_2:N:0:TCTGCAAG+GCTGCACT
CTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGT
TTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAA

+

F:FFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2320:5466:20165_2:N:0:TCTGCAAG+GCTGCACT
GGTGATAAAAATTATTAGAGATCTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGA
AAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCT

+

:FF:FF
FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF: :FFFF

@A00721:190:HGJW7DSXY:4:1605:19497:34444_2:N:0:TCTGCAAG+GCTGCACT
TGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAA
GGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACGTTGC

+

FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF: :FFFFFFFFFFFFFF
: :FFFFFFFFFFFFFFFF,FF:FFFF:FFFFFF,F

@A00721:190:HGJW7DSXY:4:1118:14895:10598_1:N:0:TCTGCAAG+GCTGCACT
CTATATACATTATAAAATATAAAATAAGGGAGTCATAACTTTTGTTACCAAATCTTGGCTTTCAAC
GAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACG
TCG

+
FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF
FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2460:10212:10347_2:N:0:TCTGCAAG+GCTGCACT
CTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAAT
ACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGA
+
FFFFFF:FFFF,FFFF:,FF:F::FF:F::FFFFFFFF:FFFF::FFF:FF:FFFFFF:,FF,,FF
F,FFFF,FFF:,FF:FF,FFFFFFFF:F:FFFF:FFFFFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:1337:23411:10911_1:N:0:TCTGCAAG+GCTGCACT
CCAACCTCTTCGTTACGAGACCTTTTGTATAATATTTTATTCTCTACACCCATCTCACCGAGTATAA
AGCTAGTTTTCCGTCTGAACCTTAATACACGAAGATATCATCCGCAAACGACTCGAAACCGAGACGCC
GTA
+
FFF:,,FF,,FFF:,,,F:,F,,F,F,,F:F,,,FFF,,F,,F:F,FFFF,:FFF,F,,:,F:F
,:,,,FFF:F,::F,F,F:,::,F,:,,F,,,F,,,F:,F::FFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2339:32768:8484_2:N:0:TCTGCAAG+GCTGCACT
TTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTAT
AACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCC
+
FFFFFF:FF:F,FFFFFFFFFFFFF
FFF:FFFFFFFF:FFFFFFFF:FFFFFFFF,F:FFFFF:,FFF::F
@A00721:190:HGJW7DSXY:4:2101:22327:9627_2:N:0:TCTGCAAG+GCTGCACT
TTGTAACGATCATTCTTTCGAGTTTTGTCATTCTTATTCTTTATTCCTTTAACTGTGTATGAGGAGG
ATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTAC
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:2630:20175:1110_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCCGAAAATTGTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACCTATTATCCGA
TTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTT
ATA
+
F,FFF,,FF,F,,FF,:FF,FFFF,FF:F,:FFFFFFFF,,F,FFFF:FFFFFFFFFFFFFFFF:FFF
FFFFF:::F:FFF:F,:FFFF,FFFF,FFFFF,:FFF:FFF,FFFFFFFFFFFF:FFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1324:19343:35775_2:N:0:TCTGCAAG+GCTGCACT
GGAAAATAGCAATAATCAAATTCGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTT
GGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATC
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:1211:8874:19241_2:N:0:TCTGCAAG+GCTGCACT
AGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTT
GGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGA
+
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FF:FF
@A00721:190:HGJW7DSXY:4:1137:3721:25128_2:N:0:TCTGCAAG+GCTGCACT
TGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCA
TTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGA
+

@A00721:190:HGJW7DSXY:4:1128:10999:14278_1:N:0:TCTGCAAG+GCTGCACT
AAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTTTAATGG
TATGGTATAATGTGTCTTACAAATAGAACCTTCACCTCTCGGTAATGAGAGTGTATTCTTAATATTCT
AGT

@A00721:190:HGJW7DSXY:4:2136:25030:36918_1:N:0:TCTGCAAG+GCTGCACT
GGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAATTT
TAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCC
TTT

@A00721:190:HGJW7DSXY:4:2122:11252:34475_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGA
ATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAG

@A00721:190:HGJW7DSXY:4:2361:31331:7028_1:N:0:TCTGCAAG+GCTGCACT
CTCCCCAAACATAACATAACCATAACCTACCATGACCAATCATCGCTCCAACTGGCACGCCAGACGTAG
GGTCAAACCTACTACCGCCTGTCGGCAGATCGGCACCACTGGTCTCTACGTTAGGGACCCGCTGTGC
AGA

@A00721:190:HGJW7DSXY:4:1359:26431:33959_2:N:0:TCTGCAAG+GCTGCACT
TCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAG
GAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGT

@A00721:190:HGJW7DSXY:4:1650:29152:36949_1:N:0:TCTGCAAG+GCTGCACT
AACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATAC
AGTTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGTACTGAAGCCTTCCCCTCCGCTGGCACG
AAG

@A00721:190:HGJW7DSXY:4:1228:4300:34209_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAAACAGAGAAGAATAAAGGGAAAGGTCCAT

@A00721:190:HGJW7DSXY:4:1332:7283:19272_2:N:0:TCTGCAAG+GCTGCACT
AGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACTCTGGGGTTGGGAATAAGAAATCTGCA

$+$

@A00721:190:HGJW7DSXY:4:1612:20338:13510_2:N:0:TCTGCAAG+GCTGCACT
GTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTATGAGCAA
ATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTA

+

@A00721:190:HGJW7DSXY:4:1438:5141:34194_1:N:0:TCTGCAAG+GCTGCACT
CTGAAAGAGAAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTT
TTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAACATATGGGGCGAAGATCCCCTATGGAGTCTTG
AAG

+

@A00721:190:HGJW7DSXY:4:1354:29017:10097_2:N:0:TCTGCAAG+GCTGCACT
GGCATATTTATGCCGACGATAATAAGCATGTACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAG
AGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGC

+

@A00721:190:HGJW7DSXY:4:2246:22037:35336_2:N:0:TCTGCAAG+GCTGCACT
TTCACTGGTTCTGGGAGGCTGCTTCTCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAG
TTGGGGCAAATTCCCACATATGGTAGACGTTGTCACACTTTTCTTGAAA

+

@A00721:190:HGJW7DSXY:4:1473:4544:36542_2:N:0:TCTGCAAG+GCTGCACT
CGTCATTGGGGATTTTCATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGG
ACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGG

+

@A00721:190:HGJW7DSXY:4:1416:1280:8594_2:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAA
GGAAACTTCGTCAGAAGATGAGGAAGTCTAAGAGATCGGAAGAGCGTC

+

@A00721:190:HGJW7DSXY:4:2141:30011:7310_2:N:0:TCTGCAAG+GCTGCACT
GAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTT
TCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCA

+

@A00721:190:HGJW7DSXY:4:2626:8865:28369_2:N:0:TCTGCAAG+GCTGCACT
CCTTGAGAAGACAATCCACATTAAGATATAATTTAGGTCAACTTGGTGTTCGAATGTCATTAGTGAC
TTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTTCGATCTT

+

```

,FFF:F,FFFF,FF,FFF:FF:FF,:FFFFFFFFFFFF,,FFF,,F,F,FF,,,FFFFFF,F::FFFF,,
:FFF:FFF,F:FF::,:FFFFFFFFF:FF,FF,F::,:FFF::FF::F

```

@A00721:190:HGJW7DSXY:4:1540:27037:15248_2:N:0:TCTGCAAG+GCTGCACT
TGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACT
ACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2663:6343:19774_1:N:0:TCTGCAAG+GCTGCACT
CATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTG
AGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTA
CCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1312:27163:2065_2:N:0:TCTGCAAG+GCTGCACT
GGCTTATTGTGCGCGAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC
GTCGAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1275:31385:24408_2:N:0:TCTGCAAG+GCTGCACT
ATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAA
CCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACAT

+

FF
F:FF

@A00721:190:HGJW7DSXY:4:2365:6578:10316_1:N:0:TCTGCAAG+GCTGCACT
CACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGAT
TGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCAC
TAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1327:12057:8782_2:N:0:TCTGCAAG+GCTGCACT
GATTGATGTATGTCATTTCTGCTTAGTTTGTCCCGCGGAATTATTGGACACGATGAAAAATGACATAC
CCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2620:31313:17801_2:N:0:TCTGCAAG+GCTGCACT
GTTATTCTACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCCTTAAGGGCGGACAA
TTGTTCCATTGTGAACCTTGGGGACTAGATTGAGCATTAAATGAGTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1147:6451:31485_2:N:0:TCTGCAAG+GCTGCACT
TATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTT
CGTTCTCAATAAAAAATTTTCTCAAGAGATTATGGAGATCGGAAGAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2374:14027:18239_1:N:0:TCTGCAAG+GCTGCACT
TTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTGAATATGTTACGACATGGCTT

CGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTTCATATAGATACGAG
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1549:25554:34663_2:N:0:TCTGCAAG+GCTGCACT
CAGCGATCTTACTCGTTATCGGAGCTAAGAAAGAACTTTGGGTACACGTTATGCTCGCAAACCTAAC
GTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG

+

FFFFFFFFFF,FF:FFFF:FFF:FF,FFFFFFFFFFFFFF:FF:F:FFFFFF:FFFF::FFFFF,F,FFFF
FF:FFFF::F:FF

@A00721:190:HGJW7DSXY:4:1354:9724:12571_1:N:0:TCTGCAAG+GCTGCACT
ACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCTTTTATAGTTTATAGGTGATCTT
GACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGA
AAA

+

FFFFFFFFFFFFFF:FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1407:17671:27179_1:N:0:TCTGCAAG+GCTGCACT
TCTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAA
CCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAACCTTCGAGGTTTACGCTACGA
GAG

+

FFFFF:FFF
FFFFFFFF:FFF::FFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2560:1090:17221_1:N:0:TCTGCAAG+GCTGCACT
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTT
TCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2630:15736:9111_1:N:0:TCTGCAAG+GCTGCACT
GTTTCTCTTGGTATTTCTGAAATAGTTTATCAGAGCGTCATTTTCCTTTGGGATCTTCTCTGGTAA
GGGAATTATTAAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTTACCCATAACTTCT
TTT

+

FFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2635:20799:33849_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTTCAACACTTATCACCACTTTTGAAAGGAAAATAA
TTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGT
TCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1162:23963:11397_2:N:0:TCTGCAAG+GCTGCACT
TTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAAACATCAGGTTCTTGTACGATTCTTAA

AAGAAGTTTATTA AAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAA
+
F:FF
F::FF
@A00721:190:HGJW7DSXY:4:1614:25066:25739_2:N:0:TCTGCAAG+GCTGCACT
GCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATC
TGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGAGATCGG
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2534:4399:8547_1:N:0:TCTGCAAG+GCTGCACT
CAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACACT
GTTGAGAAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGATGG
CTC
+
FFFFFFFFF:FF,FFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2437:1895:8437_2:N:0:TCTGCAAG+GCTGCACT
AAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATA
GGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF:FFFFF,FFFFFFFFFFFF:FFFFFFFFF,:FF:
@A00721:190:HGJW7DSXY:4:2270:19180:34178_1:N:0:TCTGCAAG+GCTGCACT
GATCATTTGTTGAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTGCG
ACGGAAGTTAGCAACTTTAGATAAATCTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAA
TGC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2174:11116:14888_2:N:0:TCTGCAAG+GCTGCACT
CATCGCAAAGAAGACTTTATTAGTTTATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTA
CAAAGGCGTTACGTAAAGTAGTTTTTCACGCTTTATCTTAAAGCATTAC
+
FF,FFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2264:1524:30405_2:N:0:TCTGCAAG+GCTGCACT
ACTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCA
GGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2576:4887:3067_2:N:0:TCTGCAAG+GCTGCACT
CCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTT
CCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCC
+
FF
FFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1649:10212:28917_1:N:0:TCTGCAAG+GCTGCACT
GTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTG
ATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTA
CAA

[illegible]

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF:
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFF  
FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
```

[illegible]

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

[illegible][illegible]

@A00721:190:HGJW7DSXY:4:1530:30092:3724_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGCTATAATACCGCCTCCAGATTACTCTAACT
GAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2367:3622:35352_1:N:0:TCTGCAAG+GCTGCACT
GGATTCTCTAAAGAACAGCAACTTTCAACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCAC
TTTATCACCTTGAGATGGTAAAGTCATTAACAAAGGTAATGTTAAGGCTGATGACTTAAATTCGCA
TTC

+

FF,FF,F:FFF:,FFFFF,::FFFF,FFFFFFFF,FFF,FFF:FFFFFFFF:FFFF,FFFF,FFFF:
:FF:F:FFFF:FF,F,F:,FFFF,F::FFF,FF,::F,::,FFF:,F,:FFF,FFF::FFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1522:17689:4633_2:N:0:TCTGCAAG+GCTGCACT
TTTGAAAATTACGGAACCTTCTCTGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCT
TGCGAAGGTTCAAGTCGATTGATTTTGTTGACTACGATCTCTCTTGTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2346:12888:33364_1:N:0:TCTGCAAG+GCTGCACT
AGACCACTGAACCTATAGCGACTTTTGTGCAATTTTTCGCAAAAGGTCTTGAAGTACGTATTGTCAC
GCTAATCGTAATTCGCGAGAAGAGATAGTACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTATTG
TGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2172:32344:15201_2:N:0:TCTGCAAG+GCTGCACT
CGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCA
AACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1363:6234:25128_2:N:0:TCTGCAAG+GCTGCACT
CATCTACTTAAGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTAT
TGATCTCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGA

+

FF
F,FFFF:FF,FFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2115:13874:1063_2:N:0:TCTGCAAG+GCTGCACT
TTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAA
AAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1515:2175:15374_2:N:0:TCTGCAAG+GCTGCACT
TATTACTTTCACTCAAGGTGAAAAGTTTGAAATTAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTG
AAGATGCTCAGACTATTCATGAAGTTCAAGGTAATACTTACCAGCACG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2138:29107:1673_2:N:0:TCTGCAAG+GCTGCACT
TTTTGCATCACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTA

TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTA
+
FFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFF,FFF:FF
FFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:2650:18096:4648_2:N:0:TCTGCAAG+GCTGCACT
TTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGT
TGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTAC
+
FF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1525:2365:1767_1:N:0:TCTGCAAG+GCTGCACT
AACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGCG
ATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTT
TAG
+
F,:FFFFFF:,FFFFF:FFF:FF:F,F,F,FF,:FF:FFF::FF,FFF::,FFF:, :FFFFFFFFF:,
FFFFFFFF:FFFFFFFF:FFFFFFFF, ,FFFF:F:FFFFFF, ,F,:FFFF,FFFF,FFFF,:FFFFFFFF
F,F
@A00721:190:HGJW7DSXY:4:1603:2510:28541_2:N:0:TCTGCAAG+GCTGCACT
CCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTACACA
ACGGAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAAC
+
FF:F:FFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFF:FFF:FFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2623:3197:29982_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTG
GGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAAT
+
FF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2304:30246:12540_2:N:0:TCTGCAAG+GCTGCACT
AATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTTATGC
TTCAGCCTTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGC
+
FFFFF:FF::FFF::FFFFFFFFFFFFFFFFF:,FF::FFFFFFFF, :F:,FFFF, :,FFF:F,,FFF:
FFFFF,FFFFFFFFFFFFFFFFFF,FF,F,F,F:FFF:FF:FFF,,:,F
@A00721:190:HGJW7DSXY:4:2271:9055:33959_2:N:0:TCTGCAAG+GCTGCACT
CCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGA
GATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTCTCTTAGGAGG
+
FF:FF
FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2675:26494:20760_1:N:0:TCTGCAAG+GCTGCACT
TAAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACTTTGGAGTG
CCAGTGAATATTTTTGTCACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGA
CGA
+
FFFF:FFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2347:15944:19272_1:N:0:TCTGCAAG+GCTGCACT
GTTTCAGACGTGTGCTATTCCGATCTATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGT
TTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCT
GAT

+
:FF,,FFF:F,FFFF,:FFF,FF,FFF,:F::FFFFFFFFFFFFFFF::FFFFFF:FFFF:F,FF:FFFF
FFFFFFFFFFFF:FFFFF::FFFFFFFFF,,F,FF:FFFFFF,FFFF:F,:FFFFFF,FFFFFFFF:FF:
,FF
@A00721:190:HGJW7DSXY:4:1509:27661:4429_2:N:0:TCTGCAAG+GCTGCACT
TGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTACAAGATCATCGT
TAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGA
+
FFFFFFFFFFFFFFFF:FF:FF:FF:FFFF::FFFF
FFFFFF:FFF:FFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2304:4969:4398_2:N:0:TCTGCAAG+GCTGCACT
TTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTG
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:1521:8115:11350_2:N:0:TCTGCAAG+GCTGCACT
TTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCTACCTTTCCTTG
TGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTA
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:2617:31006:25911_1:N:0:TCTGCAAG+GCTGCACT
GACTGGAGTTCAGACGTGTGCTCTTCCGATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGC
GAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCG
CAA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:,F:FF:FFFFFFFFFFFFFF:FFFFFF:FFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2405:4444:22310_2:N:0:TCTGCAAG+GCTGCACT
ACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATAATTAAGACTCTC
TTTCTTCTTTGTTTCTTCTTTGCACTGATTTTCTCTCATCAGCTTGT
+
FFFFFFFFF,,,:F,F:,FFFF:,,:FFFF:FFFF,FFFFFFFF:FFFF:FF:FFFF,FFFFF:,,:FF,,
F,,F:F,F,F:F:FFF::FF,FFFFFF,F:FF:FF,F:FFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1531:1244:22842_2:N:0:TCTGCAAG+GCTGCACT
TTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGCGAACTTTGGGAATTTGAAGCTCAG
GGTGAAGCACAACTTTGACCGTGACGAACTGTGGTGTCTTGATCTA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2331:7102:15796_1:N:0:TCTGCAAG+GCTGCACT
CACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTTCAT
CGCAACCAGATGATATCTTCTATTGAACTTATGTTTCGATCAGTGTTTCTTCTATCAGGAGGAAAAC
ACT
+
FFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2624:19750:32409_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTAATGTGGCCTGAACTACGTTTCACTTTGTGTGTACTTGTCTCTATTTTAAAGTTTTGTCTTCC
TTGTTTGTCTTATTCTATTAATCACTCATTTTGTGAGATTATTA
+

```
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1607:5511:26287_2:N:0:TCTGCAAG+GCTGCACT
GACAACAGCAGGGGTTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAA
TTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2540:28411:34350_1:N:0:TCTGCAAG+GCTGCACT
CTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGC
+
FFFFFFFFF:FFF:FFF:FFFFFFFF,FF:FFFFFF,F:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1176:17137:6057_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGCGCATCACTTTTCTACTAAGAATTGG
TCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTG
TTA
+
F:FF:FF,FFFFFF,FFFF,:FFFF,:::FFFF::FFFFFF,F,F:FFFFFFFF,FFF,FF,FFFFFFFFF:
F:FF:FF,FFFF,:F:F:FFF,FF,,FFFFFFFF::FFFF,FFFF,FFFFFFFFFFFF:FFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1110:17282:8563_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1663:29514:3161_1:N:0:TCTGCAAG+GCTGCACT
CTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTT
TATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTAT
TTA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2165:5945:36871_1:N:0:TCTGCAAG+GCTGCACT
ATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCC
GCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAAT
ACT
+
FFFFFFFFFFFFFF:FFFFFFFFFFF:FFF:FFFFFF:F:FFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFF,F
FFFFFFFF:FFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2223:15962:9565_2:N:0:TCTGCAAG+GCTGCACT
GATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGA
TAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2112:21920:25801_2:N:0:TCTGCAAG+GCTGCACT
TGCTGAAACAGCTATTAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTG
```

+

+

+

+

 $+$

+

+

+

[illegible]


```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFF:FFFFFF:FFFFFF
:FFFFFFFFFFFFFFFFFFFF:F,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
```

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:
```

[illegible]

```
+
FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF,FFFFFFF
```

```
+
FF,FF,FFF,,,FFFF,,F:,,FF:,FF,,:FFFFFF,:FFFF:F,FFF::FFFFFF,FFFFFF,,,FFF
FFFFFFFF:F:F:F:F:F:F,F:FF,,FFFFFFFFFFFFFFFF:FFF,FFFF
```

```
+  
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

```
+
FFFFFFFF:FFF:, :FFFFFFFF:FF:FFFFFFFF:FFFFFFFF:FFFF, :F:FFF, FFFF:FF:F, FF, F, :F
F:FFFF, :F::FF:F::FFFFFFFFFF, F:, FFFFFFFFFFFFFF, :FFFF
```

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFF:F
```

[illegible]

@A00721:190:HGJW7DSXY:4:2365:7509:10770_1:N:0:TCTGCAAG+GCTGCACT
CACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGAT
TGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCAC
TAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2571:12744:21715_2:N:0:TCTGCAAG+GCTGCACT
GATTGATGTATGTCATTTCTGCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATAC
CCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2647:2130:23688_1:N:0:TCTGCAAG+GCTGCACT
TTATTCTCACAACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAAT
TGTTCCATTGTGAACCTCTGGGGACTAGATTGAGCATTAAATGAGTTCCGAATAACTCGTAATAAATCT
T

+

:FFFF:F,,,F,,,,,F,F::F:FFFF:FFFFFFFF:FF,,,F,,,F:FFF,,FFF,F,FFFF,:FFF
FFFFF:,FFFFFFFF:FFFF:FF:FFFFFF:FF:FFFF,,FFFFFFFF,:,:FFFFFFFFFFFFFFFF:F
F

@A00721:190:HGJW7DSXY:4:1331:13973:4586_2:N:0:TCTGCAAG+GCTGCACT
TATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTT
CGTTCCTCAATAAAAATTTTCTCAAGAGATTATGGAGATCGGAAGAG

+

FF
FFFFFFFF,FF:FFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFF:FF:FF

@A00721:190:HGJW7DSXY:4:2529:10095:35978_1:N:0:TCTGCAAG+GCTGCACT
TTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTGAATATGTTACGACATGGCTT
CGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTTCATATAGATACGAG
ATA

+

FFF:FF
FFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2160:4833:29152_2:N:0:TCTGCAAG+GCTGCACT
CAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAAC
GTTAGTACCGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2410:23538:6277_1:N:0:TCTGCAAG+GCTGCACT
ACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCCTTTTTAGGTTTAGTAGGTGATCTT
GACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGA
AAA

+

FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1573:17924:5822_1:N:0:TCTGCAAG+GCTGCACT
TCTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGCGCTTGTTCTTGAAAA
CCAAGTTAAGAAGGAGGCAGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTACGCTACGA
GAG

FF#FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2437:1895:8437_1:N:0:TCTGCAAG+GCTGCACT
GATCATTTGTTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCTG
ACGGACTTTAGCAACTTTAGATAAATTCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAA
TGC

+
FF
FF
F:F

@A00721:190:HGJW7DSXY:4:2323:19343:30295_2:N:0:TCTGCAAG+GCTGCACT
CATCGCAAAGAAGACTTTATTAGTTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTA
CAAAGGCGTTACGTAAAGTAGTTTTCACGCTTTATCTTAAAGCATTAC

+
FF
FF

@A00721:190:HGJW7DSXY:4:1118:12789:29904_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCA
GGACTGATGGTGAGATTCTTTTACCTTTTGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGA
GTC

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2555:19868:26036_2:N:0:TCTGCAAG+GCTGCACT
GTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCT
CTTTATGAGGTGCTCCATGCAAATTTACAGTTCCCTCTTTGGTGATATC

+
FF
FF

@A00721:190:HGJW7DSXY:4:2406:9109:36902_1:N:0:TCTGCAAG+GCTGCACT
GTATTTTGATAAATTTGTTGGAATAGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCTATTG
ATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGTCTTACCTATTTA
CAA

+
:FFFFFFFFF:FFFF:FFFFFFF,FFFFFF:FFFF:F,FFFFFF:FF,FFF:FFFFFF:FFFFFF
FFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF,:F:FF,,F:FF:FFFFFFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:1103:4237:3192_1:N:0:TCTGCAAG+GCTGCACT
GATAACGATTTAGTACTGGGTAATGGTGGTAGTCAGTTCACTAATTTTCTTTCCCTACCCTTTTTTCGA
TTTGATTGACGGGGTCTTCGTCTCACGAATATTTTGATAAGGTTTTCTTTTATGGGACTCTTGTTT
GTA

+
FFF,F,F,FFFFFF:FF:FF,FFFF:F,FFFF:FFFFFF:FF,:FFFF,FF:::F,:,,FFFF:,F
F:, :FFFFFF:F:FF,FF:FF:FFFFFF,FF,FFFFFF,FFFFFFFF:FFFF:FF:F:FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2474:32009:16125_2:N:0:TCTGCAAG+GCTGCACT
TATTACTTCGGAAGTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGA
TGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FF,FFFF

@A00721:190:HGJW7DSXY:4:2425:22435:29136_1:N:0:TCTGCAAG+GCTGCACT
GATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTCCGGG

CTGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTA
AGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2146:20537:17707_2:N:0:TCTGCAAG+GCTGCACT
CCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGC
CGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACC

+

FF
FFFF,:FFFFFF:FF

@A00721:190:HGJW7DSXY:4:1352:13422:28213_2:N:0:TCTGCAAG+GCTGCACT
CTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTG
GGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1217:30011:12289_2:N:0:TCTGCAAG+GCTGCACT
CTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGAGAAAACAG
AACAAGCGAGCGGTTGAAGAGAAAAGTATGATGTTGCGGCTGATCGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2535:17020:27273_2:N:0:TCTGCAAG+GCTGCACT
TAGAAAGATCACTCTCGGCGATACCACTGATCTTCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATT
TTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1455:24306:35571_2:N:0:TCTGCAAG+GCTGCACT
TGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGCTATAATAC
CGCCTCCAGATTACTCTAAACTGAATCCACTCTCTTGGGATATAAATG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2464:17942:35446_1:N:0:TCTGCAAG+GCTGCACT
GGCTTCTCTAAAGAACAGCAACTTCAACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCAC
TTTATCACCTTGAGATGGTAAAGTCATTAACAAAGGAAATGTTAAGGCTGATGACTTAAATTCGCA
TTC

+

FFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2272:28085:16501_2:N:0:TCTGCAAG+GCTGCACT
TTTGAAAATTACGGAACCTTTCCTCGTTCTTCATGAAGATCTTCGAGTGTTTATAGTGAGTTATTCT
TGCGAAGGTTCAAGTCGATTGATTTTGTTGACTACGATCTCTTGTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2432:15709:27070_1:N:0:TCTGCAAG+GCTGCACT
AGACCACTGAACCTTATAGCGACTTTTGTGCAATTTTTCGAAAAGGTCTTGAAGTACGTATTGTCACT
GCTAATCGTAATTCGCGAGAAGAGATAGTGAATAAGTTTGGCACTTCTAGTTCATCGCGGTATTTG
TGA

+
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2215:5900:15718_2:N:0:TCTGCAAG+GCTGCACT
CGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCA
AACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTG
+
FFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
,,FF:F:FFF
@A00721:190:HGJW7DSXY:4:1419:27489:36730_2:N:0:TCTGCAAG+GCTGCACT
CATCTACTTAAGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTAT
TGATCTCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGA
+
FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFF:
FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2412:9408:25739_2:N:0:TCTGCAAG+GCTGCACT
TTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAA
AAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1631:4761:14184_2:N:0:TCTGCAAG+GCTGCACT
TATTACTTTCACTCAAGGTGAAAAGTTTGAAATTAACAAAGTCCTTGGAAGAGTAAGGTTAAATGTG
AAGATGCTCAGACTATTCATGAAGTTCAAGGTAATACTTACCAGCACG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFF
FF
@A00721:190:HGJW7DSXY:4:2208:17598:15843_2:N:0:TCTGCAAG+GCTGCACT
TTTTGCATCACAACACATATTACCGTTGCTCTATCACGACGTTGAATCTTTACGATACTTTGTTA
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTA
+
FFFFFFFFFFFF:F,FF:FFF,FFFF:F::FFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFF,FFF
FFFF,FFFF,FF:F::FFFFFFFFFFFF:FFFFFF,FFF:FF::
@A00721:190:HGJW7DSXY:4:1511:21902:14779_2:N:0:TCTGCAAG+GCTGCACT
ACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTG
ACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1540:11840:20995_1:N:0:TCTGCAAG+GCTGCACT
AACCACCTTAACGTCACCTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGCG
ATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTT
TAG
+
FF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1674:31819:28416_2:N:0:TCTGCAAG+GCTGCACT
CCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTACA
ACGGAAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAAC
+
FFFFFFFFFFFF:FF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF
FFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF:

@A00721:190:HGJW7DSXY:4:2270:13322:29857_2:N:0:TCTGCAAG+GCTGCACT
CTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAAC
AATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAAT

@A00721:190:HGJW7DSXY:4:1262:25545:27164_1:N:0:TCTGCAAG+GCTGCACT
TGACCTATTTTAAAGCTCATGGTGAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAG
CATAACCCCGCACAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGGACCTATCTTTAA
GGT

@A00721:190:HGJW7DSXY:4:2555:26928:10050_2:N:0:TCTGCAAG+GCTGCACT
CTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTCTCT
CTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTTCGAA

@A00721:190:HGJW7DSXY:4:1511:2419:16736_1:N:0:TCTGCAAG+GCTGCACT
GATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATT
TTTGTACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACG
GCC

@A00721:190:HGJW7DSXY:4:2652:4824:26318_2:N:0:TCTGCAAG+GCTGCACT
TAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTG
TCGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATC

@A00721:190:HGJW7DSXY:4:2112:29396:3583_2:N:0:TCTGCAAG+GCTGCACT
TGCTCGCGATTTATTCTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTACAAGATCATCGT
TAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGA

@A00721:190:HGJW7DSXY:4:2345:14244:11162_2:N:0:TCTGCAAG+GCTGCACT
TTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGCGATTAGCTCTTGCGACTAATATT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTG

@A00721:190:HGJW7DSXY:4:2363:3152:24831_2:N:0:TCTGCAAG+GCTGCACT
TTTTAAACGATTCCGAGAGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTG
TGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTA

@A00721:190:HGJW7DSXY:4:1619:24189:28917_1:N:0:TCTGCAAG+GCTGCACT
ACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGAC

@A00721:190:HGJW7DSXY:4:1155:5927:31360_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACTACAGAGGAACGTACCGGATTACCTGTCTTTTCAT

+

FFFFFFFFFFFFFFFFFFFFF:,FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2106:9263:20165_1:N:0:TCTGCAAG+GCTGCACT
CTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTT
TATGACTTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTAT
TTA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2214:16622:30686_1:N:0:TCTGCAAG+GCTGCACT
ATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCC
GCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAAT
ACT

+

FF:
FFF
FFF

@A00721:190:HGJW7DSXY:4:2328:1732:13823_2:N:0:TCTGCAAG+GCTGCACT
GATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGA
TAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTC

+

FFFFFFFFFFFFFFF:FFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2231:13973:14512_2:N:0:TCTGCAAG+GCTGCACT
TGCTGAAACAGCTATTAAAGCTGTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTG
AAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1113:7979:1720_2:N:0:TCTGCAAG+GCTGCACT
AAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAAACTCCA
AGGTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGTATGA

+

FF:FFFFFFFFFFFFF
:FF:FFFFFFFFFFFF:~F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2452:12780:22717_2:N:0:TCTGCAAG+GCTGCACT
CGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGG
TGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGAGATCG

+

F::~FF:FFFF:FF,:FFFFFFFF:F:FFFF::FF:FFFF:FF,:FFF,F,:F,FFF,FF:FFF:FF
FFF:,FF:FFFF,FFFF,FF:FFF::FFFF,FFFF:FF:,F:FFFF

@A00721:190:HGJW7DSXY:4:1558:10655:18662_2:N:0:TCTGCAAG+GCTGCACT
AAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACA
AGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTC

+

FF,F
F,FFFFF:FFFFFFFFF,FFFFFF:,FFF:F:FFFFF:F::~FFFFFFF

@A00721:190:HGJW7DSXY:4:2276:13404:1689_1:N:0:TCTGCAAG+GCTGCACT
CCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACG

TTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGT
TCC

+

FFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2467:20898:17581_1:N:0:TCTGCAAG+GCTGCACT
GTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAGTTTCGTTTCGTA
CCTTGATGCTGACTTTTCGTCATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTG
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2646:12201:4053_1:N:0:TCTGCAAG+GCTGCACT
TACGAACCTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACT
TCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACT
CCT

+

FF,:FF:FF:FFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1455:22941:35556_1:N:0:TCTGCAAG+GCTGCACT
GATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAAC
TCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGACTCTTCGATAGGGG
ACA

+

FF
FF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2519:12201:8281_1:N:0:TCTGCAAG+GCTGCACT
ACCGGTGAATGGTTTAAAGAATACTATAAATAGAACTAGCTATTACTACTAATGGCGTTGGCCTAGTGGA
TGTTATTAGTGACATCTGGTCAATTTTCGTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGA
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2152:25319:22075_2:N:0:TCTGCAAG+GCTGCACT
TGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGA
TAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGA

+

F:FFF,:,:F:FFFFFFFFF,FFFFF:FF:,FFFF:F:FF,FFFF,FF,,F,FFFFFFFF,F,,,FFFF
FFFFF:FF:FFF:F:FFFFFFFFF,:F::F:FF,FFFFFFFF:F:FFFF:

@A00721:190:HGJW7DSXY:4:1526:22218:13949_2:N:0:TCTGCAAG+GCTGCACT
TACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTT
TAACTTACTTAGACTTTTCTACGATACAAATGATAACTTCTAATTTAC

+

FFFFFF:FFFFFFFFF:FFFF:FFFF:FF,FFFFFFFFFFFFFFF:
FFFFFFFFFFFF:FF:FFFF

@A00721:190:HGJW7DSXY:4:2347:16269:24283_1:N:0:TCTGCAAG+GCTGCACT
GGGATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATAAT
CGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTAT
TAA

+
FF:FFFFFFF
FFFFFFFFFFFF:FFFFFFF::FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2609:8901:32127_2:N:0:TCTGCAAG+GCTGCACT
GATTCTCGATTTCGTAGAGCTTATCTAGGTACTCTCATTTACTATGTTGATTAGTCTACATTTATGCT
GATCTAAAATTTGATCTAGATGGATCCACTCCTCGAGTTATCATGAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2559:2248:20760_1:N:0:TCTGCAAG+GCTGCACT
TTCTAGAATTCTTAATTATAATTCAACCTCAAAGTTACGTGTTTACAGTAACGAGATCACACATT
TTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATA
ATA
+
FFFFFFFFF:FF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1659:2962:11036_2:N:0:TCTGCAAG+GCTGCACT
AGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGA
AGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1636:16441:11553_1:N:0:TCTGCAAG+GCTGCACT
AGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTA
AAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAG
ATA
+
F:,F,: ,FFFFFF:FF:FFFFFF,F,,FF:FF:FFFF::F,:FFFFFF:FFF:FFFF:FFF:F,FF
,F:FFFFFFFFFFFF,:FFFF:FFFF:::FFFFFF:F:FFFF,F:FFFF:FFFF,:FFFFFF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:1323:10917:30232_2:N:0:TCTGCAAG+GCTGCACT
ACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAAT
TGGTCCAACATTTACCACCAAATCTTTTGATACAACCTCTAGCCTTCA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1224:26621:27211_2:N:0:TCTGCAAG+GCTGCACT
TCACCAGATTGGTTCGAACCCGTTGATGCTATGTGAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGAC
TGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF,FF
FF
@A00721:190:HGJW7DSXY:4:1344:7699:20838_1:N:0:TCTGCAAG+GCTGCACT
ATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAAGTTTCATTAATTCTACGGAAAAGTCCGGA
GTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAAC
CAA
+
FFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1370:29803:18067_2:N:0:TCTGCAAG+GCTGCACT
TATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGA

CTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTTGCAGA
+
FF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFF:FF::FFFFFFFF
FFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1646:10339:19241_1:N:0:TCTGCAAG+GCTGCACT
CTATATACATTATAAAATATAAAATAAGGGAGTCATAACTTTTGTACCAAATTCTTGGCTTTCAAC
GAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACG
TCG
+
FF
FF:FF
FFF
@A00721:190:HGJW7DSXY:4:1666:25771:32659_2:N:0:TCTGCAAG+GCTGCACT
GAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTC
ACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAG
+
FFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF:F:
FF:FFFFFFFF:FFFF:F:FFFFFF:FFFFFF:FFF:,F::FF
@A00721:190:HGJW7DSXY:4:1173:28330:12352_2:N:0:TCTGCAAG+GCTGCACT
ACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGC
GAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGA
+
FF:FFFF:FFFFFFFF
FF:FFF
@A00721:190:HGJW7DSXY:4:2504:4851:15718_2:N:0:TCTGCAAG+GCTGCACT
TTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTAT
AACCTTCTTATACTTTTGGGTATGTTTTGTGAAAACATGAGATACCC
+
FF:FFFFFFFF:FFFFFFFFFFFFFFFF
FFF:FFFFFFFF:FFFFFFFF:FF:F:F::FFF:FFFFFF
@A00721:190:HGJW7DSXY:4:2178:16260:24549_2:N:0:TCTGCAAG+GCTGCACT
TTGTAACGATCATTCTTTTCGAGTTTTGTCATTCTTATTCTTTTATTCCTTTAACTGTGTATGAGGAGG
ATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTAC
+
FF::FFFFFFFF
FFFFFFFF:FFFF:FFF:FFFFFFFF:FF::FFFFFFFF
@A00721:190:HGJW7DSXY:4:1609:1524:6292_2:N:0:TCTGCAAG+GCTGCACT
TCACAGACTCCGAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAAGTATTATCCGATT
CTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAGT
+
FF:FFFFFFFF,FF,FFFFFFFFFFFFFFFF
FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1410:15619:25692_2:N:0:TCTGCAAG+GCTGCACT
CGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAAATTTAGAACTTTATT
TCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTT
+
FFFFF:FFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFF:
:FF:FFFFF,FFFFFFFF,FF:FFFFF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:2123:9959:4492_2:N:0:TCTGCAAG+GCTGCACT
ATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACC
GCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTATACTTTAA
+
FF
FFF:FFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF,FF,

@A00721:190:HGJW7DSXY:4:1639:28546:22247_1:N:0:TCTGCAAG+GCTGCACT
AACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGT
CGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTT
ACA

+

FF:FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:1505:1850:18756_1:N:0:TCTGCAAG+GCTGCACT
TATATTAAAGAAATAAAAACTTCAAGTACCTGAACCTTACATTTTTAATGGTATGGTATAATGTGT
CTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTG
GGC

+

FFFFF:FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1638:30472:3787_2:N:0:TCTGCAAG+GCTGCACT
TTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTT
TAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATT

+

FFFFFFF:FF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1363:21730:7404_1:N:0:TCTGCAAG+GCTGCACT
ACATACCATAACCTACCATGACCAATCATCGCTCCAACCTGGCAGCCAGACGTAGGGTCAAACCTACT
ACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTTCC
CAA

+

FF
FFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1304:28330:21245_2:N:0:TCTGCAAG+GCTGCACT
CACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAA
GCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATC

+

FFFFFFFFFFFFFFFFFFFFF:FFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1117:15691:3991_1:N:0:TCTGCAAG+GCTGCACT
CTGAGGCAGTACCTCAGTCAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAG
TTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAA
GAA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1142:3125:7999_1:N:0:TCTGCAAG+GCTGCACT
CCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAA
GAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAAT
TAC

+

F,FFFFFFFFF:FF:FF
FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1114:4689:25895_2:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGA

$+$

@A00721:190:HGJW7DSXY:4:1217:13114:1939_1:N:0:TCTGCAAG+GCTGCACT
ATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCAC
TGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAA
TTG

+

@A00721:190:HGJW7DSXY:4:2307:11270:28087_2:N:0:TCTGCAAG+GCTGCACT
ACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCG
CGCTTA ACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAG

+

@A00721:190:HGJW7DSXY:4:2174:32416:6151_1:N:0:TCTGCAAG+GCTGCACT
GCATGTCACCCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCA
CTATTTTTGCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAG
GGT

+

@A00721:190:HGJW7DSXY:4:1249:30761:20040_2:N:0:TCTGCAAG+GCTGCACT
GGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGC
AAATCCCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTT

+

@A00721:190:HGJW7DSXY:4:2112:13123:9439_1:N:0:TCTGCAAG+GCTGCACT
TTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTTCAGGACCTA
ATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGAC
GGG

+

@A00721:190:HGJW7DSXY:4:2261:23231:7247_2:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGT

 $+$

@A00721:190:HGJW7DSXY:4:1501:8296:4523_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTT

+

@A00721:190:HGJW7DSXY:4:1540:14913:12978_2:N:0:TCTGCAAG+GCTGCACT
TATAATTTAGGTCAACTTGGGGTTTTCGAATGTCATTAGTGCCTTACGCTTGAAAGAGGTCCTTTTGAG

+

@A00721:190:HGJW7DSXY:4:1436:7817:7232_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2533:12608:14935_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2107:27778:22576 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1320:15628:24298 2:N:0:TCTGCAAG+GCTGCACT

 $+$

@A00721:190:HGJW7DSXY:4:2519:11080:15890 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2636:4146:9580 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1530:8142:35697 2:N:0:TCTGCAAG+GCTGCACT

 $+$

@A00721:190:HGJW7DSXY:4:1331:14299:3740 2:N:0:TCTGCAAG+GCTGCACT

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFF:FFF,FFFFFFF
FFF:FFFFFF,FF,FFFFFFFF:FFFFF:F::FFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:2538:32805:14685_1:N:0:TCTGCAAG+GCTGCACT
TTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTT
CGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTTCATATAGATACGAG
ATA

+

FFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2218:31819:13761_2:N:0:TCTGCAAG+GCTGCACT
CAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAAC
GTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1111:27344:29684_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTAGTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAA
AAT

+

FFFFFFFFFFFF,FF
FF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2569:5041:9533_1:N:0:TCTGCAAG+GCTGCACT
TCTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAA
CCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAACCTTCGAGGTTTACGCTACGA
GAG

+

FFFFFFFFF:FFF
FFFFFFFF:FFF:FFFFF:FFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1202:11189:37027_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAA

+

FFFFFF:FFFF:FFFF:F,FF:FFFFFF:F,FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFF,:F:FFF,F:FFF::F:FFF:FFFFFF:FF,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1224:1949:24659_1:N:0:TCTGCAAG+GCTGCACT
CTTGGTATTTCTGAAATAGTTTATCAGAGCGTCATTTTCTTTGGGATCTTTCCTCTGGTAAGGGAAT
TATTAAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTCA
AAA

+

FF
FFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1544:29794:7091_1:N:0:TCTGCAAG+GCTGCACT
CTGATGTTTTCTACAGAGTGCAGTCGTTCAACACTTATCACCACTTTTGAAAGGAAAATAATTGGT
GATGAAAATACGTATGTCGGTGGGGTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCAT
AAG

+

FF
FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1439:23366:31876_2:N:0:TCTGCAAG+GCTGCACT
TTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAAACATCAGGTTCTTGTCACGATTCTTAA

CAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAA
TCT

+

FFFFFFFFFFFFFFFF,FFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1120:22200:33458_1:N:0:TCTGCAAG+GCTGCACT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTCGA
TTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGTTTTCTTTTATGGGACTCTTGTTT
GTA

+

FFF:, ,FFFFF,:F:FFF,:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFF:FFFFFF,FFFFFF
FF,FFFF:::F:F,FFFFFFFF:F:,FFFFFFFFFFFFFFFF:FFFFFFFFFF:FFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:2541:12644:29935_2:N:0:TCTGCAAG+GCTGCACT
TATTACTTCGGAAGTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGA
TGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1129:32235:28698_1:N:0:TCTGCAAG+GCTGCACT
ATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTTCGATGATGTTTCGGGC
TGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAA
GTC

+

FF
FFFFFFFFFFFFFFFF:FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1105:3088:22561_2:N:0:TCTGCAAG+GCTGCACT
ACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTATGAGGATGTCTTGGTCGAAAATATCGCCG
GGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2665:10348:28682_2:N:0:TCTGCAAG+GCTGCACT
CACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTGGAATTAGAGAAAGACGACCTTCTTGTTGGGA
CTGAGACCTCTGAATTTTACAGGTGCCCTGATGAGGACGTTGAAAGGG

+

FFFFFFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1511:3414:1266_2:N:0:TCTGCAAG+GCTGCACT
CTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAG
AACAAGCGAGCGGTTGAAGAGAAAACGATATGGTTGCGGCTGATCGT

+

FF,
FFF:FF

@A00721:190:HGJW7DSXY:4:2126:6334:3850_2:N:0:TCTGCAAG+GCTGCACT
CTCGGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAA
AGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAA

+

FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1578:15736:9392_2:N:0:TCTGCAAG+GCTGCACT
TGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATAC

CGCCTCCAGATTACTCTAAACTGAATCCACTCTCTTGGGATATAAATG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1506:25120:6386_1:N:0:TCTGCAAG+GCTGCACT
AACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATCACCTTGAGATGGTAAAGTC
ATTAACAAAGGAAATGTAAAGGCTGATGACTTAAATTTTCGATTCTGCTTCGACGGTAATTCCATAAG
ACC
+
FFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1262:20302:20932_1:N:0:TCTGCAAG+GCTGCACT
AACCTTTCCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAG
TCGATTGATTTTGTGACTACGATCTCTTGTATAAAGAAGTTCTTCGCAGTTGAATCTCCACCAGG
TGG
+
FFFF,:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1140:19822:14121_2:N:0:TCTGCAAG+GCTGCACT
GCGACTTTTGTGCAATTTTCGCAAAAGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCG
AGAAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1413:12147:7028_2:N:0:TCTGCAAG+GCTGCACT
CAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAG
GTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1448:21603:23500_2:N:0:TCTGCAAG+GCTGCACT
CATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTAT
TGATCTCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGA
+
:FF
FF
@A00721:190:HGJW7DSXY:4:2443:14452:13714_2:N:0:TCTGCAAG+GCTGCACT
TTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAA
AAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGAC
+
FF
FF:FF
@A00721:190:HGJW7DSXY:4:2215:8006:19805_2:N:0:TCTGCAAG+GCTGCACT
TATTACTTTCCTCAAGGTGAAAAGTTTGAAATTAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTG
AAGATGCTCAGACTATTATCATGAAGTTCAAGGTAATACTTACCAGCACG
+
FF
F:FF:F
@A00721:190:HGJW7DSXY:4:2208:18810:17691_2:N:0:TCTGCAAG+GCTGCACT
TTTTGCATCACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTA
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTA
+

[illegible]

@A00721:190:HGJW7DSXY:4:2146:20347:8202_2:N:0:TCTGCAAG+GCTGCACT
TGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTACAAGATCATCGT
TAAGTTAGGTAAACCCCTAACAGATGTTACTCTTGTAGGACTTTGGGA

+

FF
FFFFFFFFFFFFFF:FFFF,FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1301:28646:7921_2:N:0:TCTGCAAG+GCTGCACT
AGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTAT
TCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTC

+

FF
FF:FFFF

@A00721:190:HGJW7DSXY:4:1106:31530:2644_1:N:0:TCTGCAAG+GCTGCACT
TGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGA
TTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGT
ATC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1105:13358:32424_2:N:0:TCTGCAAG+GCTGCACT
CTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCT
TTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATC

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:2177:1506:34726_2:N:0:TCTGCAAG+GCTGCACT
TGATCAGTCTCTGACTTGACCATCTTTCAATTTAAATGACGATCATTAAAGACTCTCTTTCTTCTTTGT
TTCCTTCTTGCAGTATTTTTCCTCATCAGCTTGTGTTTTACCTAAT

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:1331:10122:15765_2:N:0:TCTGCAAG+GCTGCACT
GATAACAACATATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGA
AGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTA

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:2450:6198:19022_1:N:0:TCTGCAAG+GCTGCACT
CACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTCAT
CGCAACCAGATGATATCTTCTATTGAACTTATGTTTCGATCAGTGTTCCTTCTATCAGGAGGAAAAC
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1477:22860:6668_2:N:0:TCTGCAAG+GCTGCACT
TCACTTTGTGTGTAATTTGCTCTATTTAAGTTTTGTCTTCCTTGTGTTGCTTATTCTATTAATCACT
CATTTTAGTGAGATTATTAACACGCACTAAACGTCTTCGACAACAG

+

FF
FFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1459:20021:23140_1:N:0:TCTGCAAG+GCTGCACT
GCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTG

TCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTG
GTT

+

FF:FFFFFFFFFFFFFFF
FF:FFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1205:31946:21026_2:N:0:TCTGCAAG+GCTGCACT
TGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACC
TTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAAGACGTG

+

FF:FFF:FFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1162:13169:9987_2:N:0:TCTGCAAG+GCTGCACT
GTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCCTACTTTTGGACAAGGCCAAC
TTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTA

+

FFFFFFFFFFFF:FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:F:FFFF

@A00721:190:HGJW7DSXY:4:1155:7166:29309_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACACTACAGAGGAACGTACCGGATTACCTGTCTTTTCAT

+

FFFFFFFFFFFF:FF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2153:26892:30592_1:N:0:TCTGCAAG+GCTGCACT
CTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTT
TATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTAT
TTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2252:26494:26741_1:N:0:TCTGCAAG+GCTGCACT
ATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCC
GCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAAT
ACT

+

FFFFFFFFFF:FFFFFFFFFFFF:FF:FF:FFF:FFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2421:24623:27759_2:N:0:TCTGCAAG+GCTGCACT
GATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGA
TAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTC

+

FFFFFFFFFF:FFF,FFF:,FFFFF,:FFFF,FFF,,FFF::FFF,FF:FFF:FF,,FF,FFFFFFFFFFFF
FF,FF:,FFF:FF,:::FFF:FFF,FFFF:FF,,:FFF:,F:FFF,FF

@A00721:190:HGJW7DSXY:4:1523:14787:6934_2:N:0:TCTGCAAG+GCTGCACT
TGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAG
GATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1147:10610:32675_2:N:0:TCTGCAAG+GCTGCACT
AAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAAACTCCA

+

@A00721:190:HGJW7DSXY:4:2111:18539:1877_1:N:0:TCTGCAAG+GCTGCACT
CATTAAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCAT
GGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGAGATCGGAAGAGCAC
ACG

+

@A00721:190:HGJW7DSXY:4:2113:1334:22780_2:N:0:TCTGCAAG+GCTGCACT
AAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAGGTTAAGAGTCGATTAAACA
AGTTGTACTIONTATCAATGATTTTATCGCTGGTTGTTAACACGAAAAGTC

+

@A00721:190:HGJW7DSXY:4:2311:6623:12806_1:N:0:TCTGCAAG+GCTGCACT
CCCAAAGAGAATATCTAAATATTTACAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACG
TTGCTTGTCGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGT
TCC

+

@A00721:190:HGJW7DSXY:4:2515:24406:7623_1:N:0:TCTGCAAG+GCTGCACT
GTTCTGTCTATATTAGGTGAAGCGAAATACGATTTGGAACGTCAACGTTACCGAGTTTCGTTTCGTA
CCTTGATGCTGACTTTCGTC AATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTG
CGA

+

@A00721:190:HGJW7DSXY:4:2477:20690:31031_1:N:0:TCTGCAAG+GCTGCACT
TTTCGATCTTGACTATACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGATAAAGAACT
TCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGGATTTTAATATAAAGAATCTTTACCAGGACT
CCT

+

@A00721:190:HGJW7DSXY:4:2232:4571:7028_1:N:0:TCTGCAAG+GCTGCACT
GATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAAC
TCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGG
ACA

+

@A00721:190:HGJW7DSXY:4:2252:8269:12900_1:N:0:TCTGCAAG+GCTGCACT
TAAGAATACTATAAATAGAATAGCTATTACTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTGACA
TCTGGTCAATTCGTTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGAGATCGGAAGA
GCA

```

+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF:FFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1163:2166:20807_2:N:0:TCTGCAAG+GCTGCACT
TTCCTGAAGAGTCCTTCCGTAAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATC
TAGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2546:14931:20932_2:N:0:TCTGCAAG+GCTGCACT
TAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTAC
TTAGACTTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1343:20609:31454_1:N:0:TCTGCAAG+GCTGCACT
GATGCATGGTGTTATCTCCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGTTATTA
ACT
+
FFFFFFFFFF:FFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2630:5249:35008_2:N:0:TCTGCAAG+GCTGCACT
GATTCTCGATTTCGTAGAGCTTATCTAGGTACTCTCATTTACTATGTTGATTTAGTCTACATTTATGCT
GATCTAAATTTTCGATCTAGATGGATCCACTCCTCGAGTTATCATGAT
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFF,FF:FFFFFFFFF:FFFFF:F
FFFFFFFFFFFFFFF,FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2568:29894:7012_1:N:0:TCTGCAAG+GCTGCACT
TTCTAGAATTCTTAATTATAATATTCAACCTCAAAGTTACGTGTTTACAGTAACGAGATCACACATT
TTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAAAATAAATA
ATA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2251:12888:24565_2:N:0:TCTGCAAG+GCTGCACT
AGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGA
AGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCT
+
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2105:15890:12446_1:N:0:TCTGCAAG+GCTGCACT
AGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTA
AAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAG
ATA
+
:F,F:FFFF,FFF:FF,F:FFFFFFF,FFFF,FFFF:,F,FFF:F,FF,FFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1432:5565:31735_2:N:0:TCTGCAAG+GCTGCACT
ACCACATTTTGGTCAAGTCAATCCGTTGTGAAAATTTCTTAGAGGATATTGCCCATTTGTGGTACGAAT

```

TGGTCCAACATTTACCACCAAATTCCTTTTGATACAACCTCTAGCCTTCA
+
FF:FFFFF:FFF:FFFFFFFFFFFF:F:F,F:FFFFF::FFFF::FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF:F::F
@A00721:190:HGJW7DSXY:4:1224:26666:26976_2:N:0:TCTGCAAG+GCTGCACT
TCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGAC
TGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGT
+
FFFFF:FF:FF
FFFF:F:FFFFF:FFFFFFFFFFFF:FFF:FFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1556:15935:33661_1:N:0:TCTGCAAG+GCTGCACT
ATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAAGTTTCTACGAAAAGTCCGGA
GTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAAC
CAA
+
FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2337:17454:10457_2:N:0:TCTGCAAG+GCTGCACT
TATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGA
CTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTTGCAGA
+
FF
FF:FF
@A00721:190:HGJW7DSXY:4:2115:25256:18239_1:N:0:TCTGCAAG+GCTGCACT
CTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTACCAAATTCTTGGCTTTCAAC
GAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACG
TCG
+
:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2231:13847:5838_2:N:0:TCTGCAAG+GCTGCACT
GAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTC
ACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1271:21314:35963_2:N:0:TCTGCAAG+GCTGCACT
ACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGC
GAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGA
+
FF
FF:
@A00721:190:HGJW7DSXY:4:2535:31150:9627_2:N:0:TCTGCAAG+GCTGCACT
TTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTAT
AACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCC
+
FF:FFFFF:FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,F
@A00721:190:HGJW7DSXY:4:2303:16369:14497_2:N:0:TCTGCAAG+GCTGCACT
TTGTAACGATCATTCTTTCGAGTTTTGTCATTCTGATTCTTTTATTCCTTAACTGTGTATGAGGAGG
ATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTAC
+

F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF::,F:,F,FFFFFFFF::FFFFFFFFFFFF:FFF
FFFF:FFFFFF:FF:FFFFFFFF:FF:FF:F:FFF:FFFF:FFF
@A00721:190:HGJW7DSXY:4:2246:31647:13369_2:N:0:TCTGCAAG+GCTGCACT
TCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAATATTATCCGATT
CTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAGT
+
FFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFF:FFFF:FFFFFFFFFFFF:FFFFFF::FFF,FF:FFF:F:FFFF
@A00721:190:HGJW7DSXY:4:1668:13946:37043_2:N:0:TCTGCAAG+GCTGCACT
CGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAAATTTAGAACTTTATT
TCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:2174:20546:7670_2:N:0:TCTGCAAG+GCTGCACT
ATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACC
GCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTATACTTTAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFF:F:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2207:3233:31172_1:N:0:TCTGCAAG+GCTGCACT
AACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGT
CGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTT
ACA
+
FF,FFFF:FFFF:FFF:FFFFFFFFFFFFFFFFFFFF,F:F:FFF,FFFFFFFFFFFF:F,F,FF,FF,F
:F,FFF,:FF:FFFF:FFFFFF:FFF:FF:F:FFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2205:5177:29246_1:N:0:TCTGCAAG+GCTGCACT
TATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTTAATGGTATGGTATAATGTGT
CTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTG
GGC
+
FFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2210:3115:28432_2:N:0:TCTGCAAG+GCTGCACT
TTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTT
TAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFF:FFFF:FFF
@A00721:190:HGJW7DSXY:4:2403:32452:2206_1:N:0:TCTGCAAG+GCTGCACT
ACATACCATAACCTACCATGACCAATCATCGCTCCAAGTGGCACGCCAGACGTAGGGTCAAACCTACT
ACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTGTGCAGAATAACCTTCC
CAA
+
:FFFF:FFFFFF,FFFF,FF:FFF,,FFF:FF:FFFFFFFFFFFF,:FF:FF,FF:F,FFFF:FF:F
FFFF:FFFFFF,FFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1307:22110:29637_2:N:0:TCTGCAAG+GCTGCACT
CACAGAAGAAGGCTGAAGGTGTTACCGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAA
GCAGCGACCACCGAGGTGCTCGTAACATTGACGGCAGTCCCGTCATC
+

@A00721:190:HGJW7DSXY:4:1208:30255:29810_1:N:0:TCTGCAAG+GCTGCACT
CTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAG
TTCGGCCATTTCAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAA
GAA

@A00721:190:HGJW7DSXY:4:1261:8458:8500_1:N:0:TCTGCAAG+GCTGCACT
CCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAA
GAGGGGAAATGTCCCCAAAACGTAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAAT
TAC

@A00721:190:HGJW7DSXY:4:1265:3812:15076_2:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGA
AGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGC

@A00721:190:HGJW7DSXY:4:1263:10411:22999_1:N:0:TCTGCAAG+GCTGCACT
ATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTAC
TGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAA
TTG

@A00721:190:HGJW7DSXY:4:2363:13702:33614_2:N:0:TCTGCAAG+GCTGCACT
ACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTGTGGAGGATTTTATCCG
CGCTTA ACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAG

@A00721:190:HGJW7DSXY:4:2206:22761:30514_1:N:0:TCTGCAAG+GCTGCACT
GCATGTCACCCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCA
CAATTTTTGCCCAGAAAGAGGGCGTTCTGAAAGATGAGGTTAAACTAATGCTCAATCTGTTGGTGAG
GGT

@A00721:190:HGJW7DSXY:4:1273:25409:17942_2:N:0:TCTGCAAG+GCTGCACT
GGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGC
AAATCCCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTT

@A00721:190:HGJW7DSXY:4:2466:5620:33082_1:N:0:TCTGCAAG+GCTGCACT
TTGGGGGATTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTA

ATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGAC
GGG

+

FFFF:FFFFFFFF,FFFF,F:,FFFF:FFFF:F,FF:,F:F:FFF,FFFFFFFF,FFF:FFFF:,FF
:F:F:FFFFFFFFFFFFFF,FF,,F,F:FFFFFFFFF::FFFF,,FFFFFFFF::F::FFF:F,FF
F:F

@A00721:190:HGJW7DSXY:4:2440:8169:4116_2:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1535:18349:34741_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTT

+

FFFFFFF:FF
FFFF,FFFFFFFFFFFF:FFFF:FFFFF:FFFFFFFFFFFF:FF:

@A00721:190:HGJW7DSXY:4:1677:20410:7686_2:N:0:TCTGCAAG+GCTGCACT
TATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGCTTGAAAGAGGTCCTTTTGAG
TATCGACAGATCTTTCGATCTTGAGGACGTACATTAACTGGCAGAA

+

FF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1469:16043:25708_2:N:0:TCTGCAAG+GCTGCACT
ATATTGTTCCCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGT
TTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTC

+

FFFFFFFFFFFFFFFF:FFFF,FF,FFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FF,
::FFFFFFFFFFFFFFFF:FF:FF:FFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2620:26313:32346_2:N:0:TCTGCAAG+GCTGCACT
CGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGG
CCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2226:31982:28917_2:N:0:TCTGCAAG+GCTGCACT
GGCTTAATGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGTATGATCACGCC
GTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGA

+

:FFFFF,:F:FFFFF:FFF,FFFFFFFFF:FFF,,FFFF,F,,FFFF::F:F:F,,,:F,FFFFFFF
FFF:FF:FFF,FF,FF,:FFF:F::,,FFFF,F::,FF:FFFFFFF:

@A00721:190:HGJW7DSXY:4:1368:10402:27806_2:N:0:TCTGCAAG+GCTGCACT
ATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAA
CCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACAT

+

FF
FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1335:9417:18145_2:N:0:TCTGCAAG+GCTGCACT
GCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTC
AGTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGC

+

FF
FF

$+$

@A00721:190:HGJW7DSXY:4:1623:14434:32283_2:N:0:TCTGCAAG+GCTGCACT
AACAGCGTCATTTTCAGATGCTAACTTTCCTCTTGTAAGTTAATTATTAATAATTCTTCTCACTCTT
GACGAGAATTAATACTGTTTACTCTACCCATAACTTATTTTTCAAAAA

 $+$

@A00721:190:HGJW7DSXY:4:2448:14597:4507_1:N:0:TCTGCAAG+GCTGCACT
CTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTGAAAGGAAAATAATTGGT
GATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATGCCACTGGGATTCTAAGGGGTTCCAT
AAG

+

@A00721:190:HGJW7DSXY:4:1502:24071:7044_2:N:0:TCTGCAAG+GCTGCACT
TTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAACTATCAGGTTCTTGTCACGATTCTTAA
AAGAAGTTTATTAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAA

+

@A00721:190:HGJW7DSXY:4:1661:1154:19742_2:N:0:TCTGCAAG+GCTGCACT
GGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAAC
GTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCAC

+

@A00721:190:HGJW7DSXY:4:1345:12527:17143_2:N:0:TCTGCAAG+GCTGCACT
ACGTCGCGGAAAACGATGAAGATTTCCACACTGTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAAT
TTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGA

+

@A00721:190:HGJW7DSXY:4:1455:14163:5791_1:N:0:TCTGCAAG+GCTGCACT
AACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAG
GTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGAC
GTC

+

@A00721:190:HGJW7DSXY:4:1350:28094:27289_1:N:0:TCTGCAAG+GCTGCACT
TGTTCAAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGGACT
TTAGCAACTTTAGATAAAATCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGG
TGA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2459:11632:18349_2:N:0:TCTGCAAG+GCTGCACT
CATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTA
CAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTAC

+

FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF::FF,FFFFFFFFFFFF,FFFFF
FFF:F:FFFFFFFF:F,,,:FFF:FFFFFFFFFFFF:F:FFFF:FFFF

@A00721:190:HGJW7DSXY:4:1372:5837:7874_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCA
GGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGA
GTC

+

FF
FFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1239:29098:33254_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCT
TTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGC

+

FFFFFFFFF:FF
:FF,FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1239:29098:33254_1:N:0:TCTGCAAG+GCTGCACT
TTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGTTCTATTACCACCCTTGTCATTGATA
CAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCGTCTTACCTATTTACAA
TCT

+

FFFFFFFFFFFFFFFFFFFFF:FF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1214:4698:13260_1:N:0:TCTGCAAG+GCTGCACT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTTCCCTCCCCTTTTTTCGA
TTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGTTTTCTTTTATGGGACTCTTGTTT
GTA

+

FF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2618:7229:3959_2:N:0:TCTGCAAG+GCTGCACT
TATTACTTCGGAAGTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGA
TGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1129:32606:26584_1:N:0:TCTGCAAG+GCTGCACT
ATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTTCGATGATGTTTCGGGC
TGTGGGGATTAACTTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAAAGGATTACTAA
GTC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1468:29649:35524_2:N:0:TCTGCAAG+GCTGCACT
ACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTACATGATGATGTCTTTGTGCGAAAATTATCGACG
GGAAGTTCTAATATAGGATGCTGATGACATTATGTCAACGGATACCCA

+

@A00721:190:HGJW7DSXY:4:1335:10719:17143_1:N:0:TCTGCAAG+GCTGCACT
AGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTG
AGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCT
AAG

@A00721:190:HGJW7DSXY:4:1125:9073:17519_1:N:0:TCTGCAAG+GCTGCACT
AGACCAGAAACGTAACAAGAAGTAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAG
AGAAAAGTATGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACC
ACT

@A00721:190:HGJW7DSXY:4:1154:3821:36730_2:N:0:TCTGCAAG+GCTGCACT
TAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATC
GGAGTGATATTAACAAGTTAAACTTCGAACTGACCACTTACAAGAGTG

@A00721:190:HGJW7DSXY:4:1564:9109:26788_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTTTCCAAAAAGCTATTAATAGCAGTTGCGGGCTATAATACCGCCTCCAGATTACTCTAACT
GAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTT

@A00721:190:HGJW7DSXY:4:1569:10068:29794_1:N:0:TCTGCAAG+GCTGCACT
AACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATCACCTTGGAGATGGTAAAGTC
ATTAACAAAGGAAATGTTAAGGCTGATGACTTAAATTTGCACTTCTGCTTCGACGGTAATTCCATAAG
ACC

@A00721:190:HGJW7DSXY:4:1433:28519:26929_1:N:0:TCTGCAAG+GCTGCACT
AACCTTTCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAG
TCGATTGATTTTGTTGACTACGATCTCTCTTGTAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGG
TGG

@A00721:190:HGJW7DSXY:4:1242:13214:3490_2:N:0:TCTGCAAG+GCTGCACT
GCGACTTTTGTGCAATTTTCGCAAAAGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCG
AGAAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTAT

@A00721:190:HGJW7DSXY:4:1438:4164:10394_2:N:0:TTCTGCAAG+GCTGCACT
CAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAG

GTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1476:28971:4758_2:N:0:TCTGCAAG+GCTGCACT
CATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTAT
TGATCTCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGA
+
:F:,FF,,FFFFFF,FFF,FFFFFFF,:,,,FFF:FFFFFF:FFFFFF:FFFFFFF,F,FF:FF:F:FFF
F,FFFFFFFFFFFF,FFFFFFFFF,F,F:FFFFFFFFFFFFFFFFF:,,FFF
@A00721:190:HGJW7DSXY:4:2514:13313:20635_2:N:0:TCTGCAAG+GCTGCACT
TTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGGAACCTCAGAGGTTTACGGCAGAA
AAATTTCTCCTGCTTGTAAATTCGAGAGAGGACACTATGGAAATTAGAC
+
FF
FFFFFFFFFFFFF:FFFFFF:FF,FFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2333:9787:21104_2:N:0:TCTGCAAG+GCTGCACT
TATTACTTTCACTCAAGGTGAAAAGTTTGAAATTAACAAAGTCCTTGGTAAGAGTAAGGTTAAATGTG
AAGATGCTCAGACTATTCAAGTTCAAGGTAATACTTACCAGCACG
+
FF
FF:
@A00721:190:HGJW7DSXY:4:2228:2727:24752_2:N:0:TCTGCAAG+GCTGCACT
TTTTGCATCACAACACATATTACCGTTGCTCTATCACGACGTTGAATCTTTACGATACTTTGTTA
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTA
+
FFF:FF:F:FFFFFFFFFFFFFF:FFFFFFFFF
FFFFFF:FF:
@A00721:190:HGJW7DSXY:4:1563:3866:31391_2:N:0:TCTGCAAG+GCTGCACT
ACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTG
ACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCT
+
FF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1606:7075:27398_1:N:0:TCTGCAAG+GCTGCACT
AACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGCG
ATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTT
TAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1512:24578:3787_1:N:0:TCTGCAAG+GCTGCACT
TACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCACAAACGGAAAGA
CATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGATCAGTC
TAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1267:11677:15765_2:N:0:TCTGCAAG+GCTGCACT
TATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTA
TACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCG
+

FF
FF
@A00721:190:HGJW7DSXY:4:1128:21992:10958_1:N:0:TCTGCAAG+GCTGCACT
AGCTCATGGTGAAGGAAGCTAAGGTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCA
CAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAG
GAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2664:16396:14763_2:N:0:TCTGCAAG+GCTGCACT
CCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTTAGGAGGTCATGACTACTATAAGGGTGAA
ATCGATTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTTGTAAGCC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1302:21658:20650_2:N:0:TCTGCAAG+GCTGCACT
TTCGATGCTGAATTTCTTGAAGTTTGAGTGCCAGTGAATATTTTGTACGCCAGGAGTATCCATAA
CGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2469:6334:28651_1:N:0:TCTGCAAG+GCTGCACT
TAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTG
TCGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTG
GAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2313:5538:2096_2:N:0:TCTGCAAG+GCTGCACT
TGCTCGCGATTTATTCTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTACAAGATCATCGT
TAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTTAGGACTTTGGGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1328:22218:1986_2:N:0:TCTGCAAG+GCTGCACT
AGGTTGTTGTTTGGCGATTAGCTCTTGCAGCTAATATTCGATATTCGATTGAGGGTCGCTATACCTAT
TCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1322:4869:36886_1:N:0:TCTGCAAG+GCTGCACT
TGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGTGCGGTTTCATAAGA
TTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTCCATCCTGTACCTCTTCTGGAGAGACGT
ATC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1571:19352:27931_2:N:0:TCTGCAAG+GCTGCACT
CTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCT
TTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATC
+

FF
FFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2402:20066:3302_2:N:0:TCTGCAAG+GCTGCACT
TGATCAGTCTCTGACTTGACCATCTTTTCAATTTAAATGACGATCATTAAAGACTCTCTTTCTTCTTTGT
TTCCTTCTTTGCACTGATTTTTCTCATCAGCTTGTGTTTTACCTAAT
+
FF:FFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFFFFF:FF:FFF:FF:F
@A00721:190:HGJW7DSXY:4:1465:30011:5744_2:N:0:TCTGCAAG+GCTGCACT
GATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGA
AGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTA
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2464:30689:33505_1:N:0:TCTGCAAG+GCTGCACT
CACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTCAT
CGCAACCAGATGATATCTTCTATTGAACTTATGTTTCGATCAGTGTCTTCTATCAGGAGGAAAAC
ACT
+
FFFFFFFFF:FF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1508:31937:30686_2:N:0:TCTGCAAG+GCTGCACT
TCACTTTGTGTGTACTTGTCTCTATTTTAAGTTTTGTCTTCTTGTGTTGCTTATTCTATTAATCACT
CATTTTAGTGAGATTATTAACAAACGCACTAAACGTCTTCGACAACAG
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1611:5077:6778_1:N:0:TCTGCAAG+GCTGCACT
GCCTTACAGAGGGGCGAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTG
TCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTG
GTT
+
FF
FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1252:3378:28134_2:N:0:TCTGCAAG+GCTGCACT
TGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACC
TTAAGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1224:7997:1532_2:N:0:TCTGCAAG+GCTGCACT
GTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCTACTTTTGGACAAGGCCAAC
TTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGTTGTTA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF
F,FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:1165:25382:13009_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACACAGAGGAACGTACCGGATTACCTGTCTTTCAT
+
FF:F:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFF:F:FFFFFFFFFFFFFFFF,F:F
FFF:FF:FFFF,FFFF:FFFF:FF:FFFF:FF,FFFF::F:FFF:F

@A00721:190:HGJW7DSXY:4:2172:20681:3959_1:N:0:TCTGCAAG+GCTGCACT
CTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTT
TATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGTAATTACTATAGTGTTAT
TTA

+

FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF:FF
FF:F:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2412:21748:1297_1:N:0:TCTGCAAG+GCTGCACT
ATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCC
GCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAAT
ACT

+

FFFFFFFFFFFF,FFFFFFFFFFFF:FF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2550:4426:7968_2:N:0:TCTGCAAG+GCTGCACT
GATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGA
TAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1604:32181:23093_2:N:0:TCTGCAAG+GCTGCACT
TGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAG
GATGTGCACTCTTTTCTGCTACTTTAAACGGAGCGTAGTGTACTCTTCG

+

FF
FFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1241:11849:31093_2:N:0:TCTGCAAG+GCTGCACT
AAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAAACTCCA
AGGTAATTATGAAGACTGTGATTTATCTTCACTCTGGCCTTGTATGA

+

FF
:FF
:FF:FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2145:15510:12665_1:N:0:TCTGCAAG+GCTGCACT
CATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTTCAAGTGCAT
GGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGAGATCGGAAGAGCAC
ACG

+

FF:FFFF:
FF,FFFFFFFFFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:2610:30228:5932_2:N:0:TCTGCAAG+GCTGCACT
AAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACA
AGTTGTACTTATAAATGATTTTATCGCTGGTTGTTATATCGAAAAGTC

+

FF,F
F,FF,F:,FFF,FF:,FFFFF,F,F,F:F,F,FF,F,F:F,FFF,F,

@A00721:190:HGJW7DSXY:4:2311:8124:15499_1:N:0:TCTGCAAG+GCTGCACT
CCCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACG
TTGCTTGTGCTTCTCTCTTAAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGT
TCC

+

:FFFFFF:FFFFFFFFFFFF:FFFFFFFFF:FFF,:FFFFFFFF,FF:FFF:FFF,F,,F::FFFFFFFF

FFFFFFFFFFFFFFFF:FFF:FFF,FFF:F:FFFFFFFF:F:F:FFF,FF:,FF,FFF::FFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2618:30291:9455_1:N:0:TCTGCAAG+GCTGCACT
GTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCGAACGTCAACGTTACCGAGTTTCGTTTCGTA
CCTTGATGCTGACTTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTG
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2110:25482:14372_1:N:0:TCTGCAAG+GCTGCACT
CCGAAGTTGCCACGACTCTCCGTGACATACTACATACTAGATATTTGGATGATCTTGATAAAGAACTT
CATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACTC
CT

+

:F,F,F:,,:F,F,,F,,,F:,,:F:,,:F,,:,,,F,F:F,F,,:FFF,:F,F:F:F,F:F,FFF:,
FFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF:FFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2401:26313:10802_1:N:0:TCTGCAAG+GCTGCACT
GATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAAC
TCTAAGTGTAATACTGTCTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGG
ACA

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2319:7889:26303_1:N:0:TCTGCAAG+GCTGCACT
TAAGAATACTATAAATAGAATAGCTATTACTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTGACA
TCTGGTCAATTTTCGTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGAGATCGGAAGA
GCA

+

FF,FFFFFFFFFFFF
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,FFFFFFFFF:FFF
:FF

@A00721:190:HGJW7DSXY:4:1516:14244:3834_2:N:0:TCTGCAAG+GCTGCACT
TTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATC
TACGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAG

+

FF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2674:27597:26271_2:N:0:TCTGCAAG+GCTGCACT
TAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTAC
TTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTA

+

FF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1573:25889:27571_1:N:0:TCTGCAAG+GCTGCACT
GATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCAATAATCG
CTGCATATTACGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTA
ACT

+

FFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFF,FFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:
FFF

@A00721:190:HGJW7DSXY:4:2675:9254:19085_1:N:0:TCTGCAAG+GCTGCACT
TTCTAGAATTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATT
TTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATA
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2434:15537:31093_2:N:0:TCTGCAAG+GCTGCACT
AGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGA
AGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCT

+

FF
:FFFFFFFF:FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2316:14651:19006_1:N:0:TCTGCAAG+GCTGCACT
AGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTA
AAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAG
ATA

+

FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF:FFFFFFFFFFFFFFFF
:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1513:18448:28056_2:N:0:TCTGCAAG+GCTGCACT
ACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAAT
TGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAGCCTTCA

+

FF
FFFFFFFFFFFFFFFF:FF:

@A00721:190:HGJW7DSXY:4:2370:26142:19899_2:N:0:TCTGCAAG+GCTGCACT
TCACCAGATTGGTTCGAACCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGAC
TGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGT

+

FF:FFFFFFF
FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1636:25373:7858_1:N:0:TCTGCAAG+GCTGCACT
ATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTAGTTTCATTAATTCTACGAAAAGTCCGGA
GTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAAC
CAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2424:2031:36010_1:N:0:TCTGCAAG+GCTGCACT
TAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACT
GACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTAAT
ATA

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1617:4164:19852_1:N:0:TCTGCAAG+GCTGCACT
CATAACTTTTGTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACG
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT
GAC

FFFFFFFFFFFFFFFF:FF:FFFFFFFF
 FF
 FFF

@A00721:190:HGJW7DSXY:4:1618:17246:12383_2:N:0:TCTGCAAG+GCTGCACT
 TTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTA
 GCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTACG

+

FFF
 FF

@A00721:190:HGJW7DSXY:4:2675:2537:22232_1:N:0:TCTGCAAG+GCTGCACT
 GTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAACGCGAGTTTTCCGTCTGAACGTAAT
 ACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTA ACTTTA
 GAT

+

FF,,F:F:, ,FFF,F::F,,FF,FF:, ,:F::, :F,F,: :F:,FF,,FFFF,: :F:FFF,F,,,FF:
 :F,F:F,,,F,F,,F::,F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFF

@A00721:190:HGJW7DSXY:4:2550:12789:16313_1:N:0:TCTGCAAG+GCTGCACT
 CTTTACTCATTATATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTTATACTTTTG
 GTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTATGTACTTATTGTA
 ACG

+

FFFF:FFFFFFFFFFFFFFFFF, :FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
 FFFFFF: :FFF
 :FF

@A00721:190:HGJW7DSXY:4:1320:28438:36839_1:N:0:TCTGCAAG+GCTGCACT
 TTCTTTTATTCCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATT
 TAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAG
 CTC

+

FFFFFFFFFFFFFFF:FFF
 FF
 FFF

@A00721:190:HGJW7DSXY:4:1621:29975:30890_2:N:0:TCTGCAAG+GCTGCACT
 AACTATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTTCAAT
 TCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAA

+

FFFF:FFFFFFFFFFFFFFFFFFFFFFF:FFF
 FF:FFF:FFFF

@A00721:190:HGJW7DSXY:4:1235:31910:15389_2:N:0:TCTGCAAG+GCTGCACT
 AACTTTATTTCAAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGT
 ATGATGATAATCTACTATTTTTAAATAGTGATATTACGCGTATACTTG

+

FFF
 FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1513:21730:23500_1:N:0:TCTGCAAG+GCTGCACT
 AAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATAC
 TTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAG
 AAG

+

FFFFFFFFFFFF:FFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFF

$+$

@A00721:190:HGJW7DSXY:4:2126:22652:10755_2:N:0:TCTGCAAG+GCTGCACT
TTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGT
ATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTAT

+

@A00721:190:HGJW7DSXY:4:2510:12780:33238_2:N:0:TCTGCAAG+GCTGCACT
TTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTT
TAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATT

 $+$

@A00721:190:HGJW7DSXY:4:2522:23511:11866_1:N:0:TCTGCAAG+GCTGCACT
ACATACCATAACCTACCATGACCAATCATCGCTCCAACTGGCAGCCAGACGTAGGGTCAAACCTACT
ACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTAGGGACCCGCTGTGCAGAATAACCTTCC
CAA

+

@A00721:190:HGJW7DSXY:4:1307:22191:29747_2:N:0:TCTGCAAG+GCTGCACT
CACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAA
GCAGCGACCACCGAGGTCGTCGTAACATTGACGGCAGTCCCGTCATC

+

@A00721:190:HGJW7DSXY:4:1304:28330:21245_1:N:0:TCTGCAAG+GCTGCACT
CTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAG
TTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAA
GAA

+

@A00721:190:HGJW7DSXY:4:1512:9390:16532_1:N:0:TCTGCAAG+GCTGCACT
CCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAA
GAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAAT
TAC

+

@A00721:190:HGJW7DSXY:4:1555:25518:4570_2:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGA
AGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1268:19407:36730_1:N:0:TCTGCAAG+GCTGCACT
ATCTTTGAGACCAAGACTCTCTACAGTAGGTTTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCAC
TGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAA
TTG

+

FF
FF
:FF

@A00721:190:HGJW7DSXY:4:2406:13711:12587_2:N:0:TCTGCAAG+GCTGCACT
ACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTATCCG
CGCTTAACATATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAG

+

FF
FFFF:FF
:FF

@A00721:190:HGJW7DSXY:4:2452:16929:12336_1:N:0:TCTGCAAG+GCTGCACT
GCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCA
CTATTTTGGCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAG
GGT

+

FF
FFF:FFFF:FF,:FFF,FFFFFFFF:FF,:::,F:,FF:FF,FF:FFFF::FFF,F:FF::FF::,F
FF:

@A00721:190:HGJW7DSXY:4:1433:4372:3959_2:N:0:TCTGCAAG+GCTGCACT
GGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGC
AAATTCCCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2652:32877:17942_1:N:0:TCTGCAAG+GCTGCACT
TTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTA
ATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGAC
GGG

+

FFF,FFFFFFFF,,F,F:FF:FF:FFFF,:F,FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F:
FFFFFFFF:FFFFFFFF,:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF:FF:
FFF

@A00721:190:HGJW7DSXY:4:2538:21920:17159_2:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGT

+

FF
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1537:20401:26929_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTAGATAATCTTTTGAGAAGGGGTATAGAGCCAGCAAGAGAAGCTT

+

FF
FFFF::FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2159:5972:8108_2:N:0:TCTGCAAG+GCTGCACT
TATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGCTTGAAAGAGGTCCTTTGAG
TATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1547:2437:3208_2:N:0:TCTGCAAG+GCTGCACT
ATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGT
TTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTC

+

F,FF,FFFFFF:FFF
FFFF: :FF: :FFFF

@A00721:190:HGJW7DSXY:4:2653:32452:9565_2:N:0:TCTGCAAG+GCTGCACT
CGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGG
CCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTG

+

FF
FF:FFFFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2237:1380:21793_2:N:0:TCTGCAAG+GCTGCACT
GGCTTATTGTGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC
GTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGA

+

FFF,FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1368:11731:30389_2:N:0:TCTGCAAG+GCTGCACT
ATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAA
CCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACAT

+

FF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1472:12698:26428_2:N:0:TCTGCAAG+GCTGCACT
GCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTC
AGTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGC

+

FF
FF:FF

@A00721:190:HGJW7DSXY:4:2103:19840:6042_1:N:0:TCTGCAAG+GCTGCACT
TGATGTATGTCATTTTCGTCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGACATACCCG
TTCCTGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAA
GGA

+

FFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1641:5267:26240_2:N:0:TCTGCAAG+GCTGCACT
AACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCCTTAAGGGCGGACAATTGTTCCATTG
TGAACCTTGGGGACTAGATTGAGCATTAAATGAGTTCCGAATAACTCG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1339:7798:9956_2:N:0:TCTGCAAG+GCTGCACT
TATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTT
CGTTCCTCAATAAAAAATTTTCTCAAGAGATTATGGTTGATAAAGTTT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1131:4878:7748_1:N:0:TCTGCAAG+GCTGCACT
TACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCAATATGTTACGACATGGCTTCGTAA
CAACAGTGCGAGGATTGTCATCTAGGGTAAAGAGAGAAACAAAGATGTTCTATAGATACGAGATACC
TAG

+
FFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFF,F:FF:FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1211:5999:11036_2:N:0:TCTGCAAG+GCTGCACT
AGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGGTATGCTCGCAAACCTTAACG
TTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTACTGAGAGAAAAGA

+
FFF:F:FFFF:FFF:FFFFFFFF:FFFF:FFFF:FFFF,FFF:,F,:F,,FFFFFFFFFFFF
FFFF:F:FFF,FFFFFFFF,:FFFFFF:FF,FFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1258:2474:25191_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTGGTTTAGGTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAA
AAT

+
FFFFFFFFFFFF:FFF
FFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1178:15275:4554_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
AGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAAC

+
FF:FFF
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2120:26096:15906_2:N:0:TCTGCAAG+GCTGCACT
GCTACGAGAGGTGATCCCGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGT
TGTAAGAATTGGGTGAGAAGTGTGCTTACAAGGAGTTAGACTCTT

+
FFFFFFFFF:F:FFFF:FFF:FFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF,FF:FFFFF

@A00721:190:HGJW7DSXY:4:2412:26386:30561_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTA
CGCCAGATTCTTCATGGGGCGACGCTGTTTCTCTTGGTATTTCTGAAA

+
FF:FF:FFFFFFFFFFFFFFFFFFFFF
FF:FFFFF

@A00721:190:HGJW7DSXY:4:2270:10447:6590_1:N:0:TCTGCAAG+GCTGCACT
TTTCTCTGGTAAGGAATTATTAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTCTCT
ACCCATAACTTCTTTTCAAAAATGCGGATGGGTCTACTGATGTTTCTACAGAGTGCAGTCGTTTC
AAC

+
FFF:
FFF
FFF

@A00721:190:HGJW7DSXY:4:1623:14434:32283_1:N:0:TCTGCAAG+GCTGCACT
AATAATTGGTGATGTAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAA
GGGGTTCCATAAGATATTATCTGACATTGTGGTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTC
TTA

+
:FF,,FFF:F,,FF,F:FF::,F,FFFF:FF:FF:FF:FF,,FF,F,FFFF:,F:,,:FF,:F:F,,
FF,,FFF,FFF,FFF:FFFF,FF:F:FF:F:FFF,FFFF::FF:FFF::F:FFFFFFFF:FFF,F:F
FFF

@A00721:190:HGJW7DSXY:4:2177:23999:33505_1:N:0:TCTGCAAG+GCTGCACT
TCTTGTACGATTCTTAAAAGAAGTTTATTAACCTTCAGAGTCTTGGAAAGTCCAGGTAGCTAATG

FF,FFFF
FFF

@A00721:190:HGJW7DSXY:4:1309:18285:6668_1:N:0:TCTGCAAG+GCTGCACT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTCGA
TTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGTTTTCTTTTATGGGACTCTTGTTT
GTA

+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1146:8269:34820_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTG
ATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAG

+
FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF
:,FF,F:F

@A00721:190:HGJW7DSXY:4:1106:25635:2707_1:N:0:TCTGCAAG+GCTGCACT
CGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTTCGGGCTGTGGGGATTAAGTTCCC
TCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAAGCTGAGATCTGCCACTT
CTA

+
FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2462:29170:25426_2:N:0:TCTGCAAG+GCTGCACT
AGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAAGTTCTAATAGAGGATCCTGATGAC
ATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCA

+
FF,FFFFFFFFF:FFFFFFFFFFFF:FFFF
FF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2104:21305:36385_2:N:0:TCTGCAAG+GCTGCACT
ACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCC
TGATGAGGACGTTGAAAGGATAATTTCAACTCTGAGACTTCTAAGAG

+
FF
FF

@A00721:190:HGJW7DSXY:4:2127:9851:32518_2:N:0:TCTGCAAG+GCTGCACT
ACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAG
AAAAGTATGATTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAG

+
:FF:FFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2270:11424:16391_1:N:0:TCTGCAAG+GCTGCACT
ATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCT
GCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAAGTGAAGTACTTAACT
GAG

+
FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1630:4996:25488_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAACT
GAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTT

+

FF
FFFFFFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2332:17345:14465_1:N:0:TCTGCAAG+GCTGCACT
AACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATCACCTTGGAGATGGTAAAGTC
ATTAACAAAGGAAATGTTAAGGCTGATGACTTAAATTTTCGATTCTGCTTCGACGGTAATTCCATAAG
ACC
+
FF
FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1441:26693:28025_1:N:0:TCTGCAAG+GCTGCACT
AACCTTTCCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAG
TCGATTGATTTTGTTGACTACGATCTCTTGTAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGG
TGG
+
FFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1308:21414:35164_2:N:0:TCTGCAAG+GCTGCACT
GCGACTTTTGTGCAATTTTCGCAAAAGGTCTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCG
AGAAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTAT
+
FF,FFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:2272:5493:17832_2:N:0:TCTGCAAG+GCTGCACT
CAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAG
GTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTAC
+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFF
FF
@A00721:190:HGJW7DSXY:4:1631:2926:20055_2:N:0:TCTGCAAG+GCTGCACT
CATCTACTTAAGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTAT
TGATCTCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGA
+
FF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFF:F::FFFF,FFFFFFFFFFFFFFFF:FFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2623:14235:31000_2:N:0:TCTGCAAG+GCTGCACT
TTATCGAAGTCTCAGTTATCGCTGCCCCGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAA
AAATTTCTCCTGCTTGAATTCGAGAGAGGACACTATGGAAATTAGAC
+
FFFFFFFFF:FF
FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2348:15320:26240_2:N:0:TCTGCAAG+GCTGCACT
TATTACTTTCCTCAAGGTGAAAAGTTTGAAATTAACAAAGTCCTTGGAAGAGTAAGGTTAAATGTG
AAGATGCTCAGACTATTATGAAGTTCAAGTAATACTTACCAGCACG
+
FF:FFF:FFFFFFFF, :FFFFFF:FF:FFFFFF:FFF
FFFFFF:FF:FFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFF: :FFF
@A00721:190:HGJW7DSXY:4:2243:16387:18380_2:N:0:TCTGCAAG+GCTGCACT
TTTTGCATCACAACACATATTACCGTTGCTCTATCACGACGTTGAATCTTTACGATACTTTGTTA
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTA
+
FF:FF:FFFFFFFF
FFFFFFFF:FFFFFFFF,FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1646:31123:34256_2:N:0:TCTGCAAG+GCTGCACT
ACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTG
ACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2358:3450:24126_1:N:0:TCTGCAAG+GCTGCACT
AACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCTG
ATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTT
TAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1664:31521:28526_1:N:0:TCTGCAAG+GCTGCACT
TACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTACAACGGAAAGA
CATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTGAACGGTGTGTTTGATCAGTC
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2315:24252:4038_2:N:0:TCTGCAAG+GCTGCACT
TATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATGATTGGGTCAACAATAGGGACGCTAGTA
TACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1140:19072:28855_1:N:0:TCTGCAAG+GCTGCACT
AGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCA
CAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGAG
GAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1378:24080:36464_1:N:0:TCTGCAAG+GCTGCACT
CAGTGACGATTTCTCCCGGAAGCTCTTCTCTCTTAGGAGTCATGATGACTACTATAAGGGTGAAA
TCGATTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTGTAAAGCCTATGAGATAAAGATGTATTCT
TAT

+

FF:FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1348:31675:6621_2:N:0:TCTGCAAG+GCTGCACT
AACTTTGGAGTGCCAGTGAATATTTTGTACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACC
TTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCTTTGGTAATTGT

+

FFFFFFFFFFF:FF:FF
FF

@A00721:190:HGJW7DSXY:4:1142:30816:19539_1:N:0:TCTGCAAG+GCTGCACT
GATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCA
TTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCAAGCG
AAA

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2622:12454:19335_2:N:0:TCTGCAAG+GCTGCACT  
TGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTACAAGATCATCGT  
TAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGA  
+  
FFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:  
FFF:FFFFF:FF:F:FF:F,F,FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:1442:15510:25535_2:N:0:TCTGCAAG+GCTGCACT  
AGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTAT  
TCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTC  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:  
@A00721:190:HGJW7DSXY:4:1633:22833:30733_1:N:0:TCTGCAAG+GCTGCACT  
TGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTCTGTGAAAATTTTGATGCGGTTTCATAAGA  
TTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGT  
ATC  
+  
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2431:26368:7044_2:N:0:TCTGCAAG+GCTGCACT  
CTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCGCT  
TTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATC  
+  
:FFFFFFFFF::FFFFFFFFFFFFF,:FFFF:F:FFFFFFFF:FFFFFFFFF,:::FFFF:FFF:FF:F:F:F  
FFFFFFFFFFFFF:FFF,:FFF:FFFFFFFFFFFFFFFFF:F,FFF,FFFF:  
@A00721:190:HGJW7DSXY:4:2619:30020:23484_2:N:0:TCTGCAAG+GCTGCACT  
TGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTTCTTCTTTGT  
TTCCTTCTTTGCACTGATTTTTCCTCATCAGCTTGTGTTTTACCTAAT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF::F::F:FFFFF:FFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF,:FFFF  
@A00721:190:HGJW7DSXY:4:2107:20283:7874_2:N:0:TCTGCAAG+GCTGCACT  
GATAACAACATATCAGTTGATTAAAGACTCTTCCGAAAGGCCAACTTTGGGAATTTGAAGCTCAGGGTGA  
AGCACAACTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTA  
+  
FFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFF:  
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFF:FFFFF  
@A00721:190:HGJW7DSXY:4:2554:20799:25958_1:N:0:TCTGCAAG+GCTGCACT  
CACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTCAT  
CGCAACCAGATGATATCTTCTATTGCAACTTATGTTTCGATCAGTGTTTCTTCTATCAGGAGGAAAAC  
ACT  
+  
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2255:18511:17049_2:N:0:TCTGCAAG+GCTGCACT  
TCACTTTGTGTGTACTTGTCTCTATTTTAAAGTTTTGTCTTCTTGTGTTTGTCTTATTCTATTAATCACT  
CATTTTAGTGAGATTATTA AAAACGCACTAAAACGTCTTCGACAACAG  
+
```

FFFFF:FF:F:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFF:FFFFFFFFFFFF:FF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFF
@A00721:190:HGJW7DSXY:4:2473:6054:10003_1:N:0:TCTGCAAG+GCTGCACT
GCCTTACAGAGGGGAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTG
TCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTG
GTT
+
F:FFF:FFFF,F::FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF
F:F:FF::F:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1419:6614:29919_2:N:0:TCTGCAAG+GCTGCACT
TGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACC
TTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTG
+
:FF,FFFFFFFFFFFF:FF
FF:FFFFF
@A00721:190:HGJW7DSXY:4:1577:16089:8750_2:N:0:TCTGCAAG+GCTGCACT
GTACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTCCTACTTTTGGACAAGGCCAAC
TTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGATA
+
FFFFFFFFF:::FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,F:FFFF,FF,FFFF,FFFFFFFF
,:FFFFFF:FFFF,FFFFFF,FFFFFFFFFFFFFFFF::FFF,:F,,:F
@A00721:190:HGJW7DSXY:4:1239:9064:18098_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFF:F
@A00721:190:HGJW7DSXY:4:2254:11134:13479_1:N:0:TCTGCAAG+GCTGCACT
CTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTT
TATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGTAATTACTATAGTGTTAT
TTA
+
FF
FF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2424:8350:29794_1:N:0:TCTGCAAG+GCTGCACT
ATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCC
GCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAAT
ACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2570:14895:24189_2:N:0:TCTGCAAG+GCTGCACT
GATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGA
TAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2523:32877:3443_2:N:0:TCTGCAAG+GCTGCACT
TGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAG
GATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGACTCTTCG
+

FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1547:29550:9142_2:N:0:TCTGCAAG+GCTGCACT
AAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAAACTCCA
AGGTAATTATGAAGACGGTGATTTATCTTTCACTCTGGCCTTGTATGA

+
FF:FF
FF:FFF
@A00721:190:HGJW7DSXY:4:2220:32371:13182_1:N:0:TCTGCAAG+GCTGCACT
CATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCAT
GGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGAGATCGGAAGAGCAC
ACG

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2619:12915:33066_2:N:0:TCTGCAAG+GCTGCACT
AAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACA
AGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTC

+
FFFFFFFFFFFFFF,FF:FFFFFFFFFFFF,FF,F
F,,FF:,,,FFFFFFFF,FFFFFF:FFFFFFFF,F,F,FFF:F:FF
@A00721:190:HGJW7DSXY:4:2505:10194:35336_1:N:0:TCTGCAAG+GCTGCACT
CCCAAAGAGAATATCTAAAATATTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACG
TTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGT
TCC

+
FF:FFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFF:FFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2659:11315:25661_1:N:0:TCTGCAAG+GCTGCACT
GTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCACGTTACCGAGTTTCGTTTCGTA
CCTTGATGCTGACTTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTG
CGA

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1255:12346:11350_2:N:0:TCTGCAAG+GCTGCACT
AAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTT
CCTTGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGA

+
FF:FFFFFFFF:FFFFFFF
FF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2460:13639:15029_1:N:0:TCTGCAAG+GCTGCACT
GATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAAC
TCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGG
ACA

+
FF
FF:FFFFFFFF,FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2414:2600:4178_1:N:0:TCTGCAAG+GCTGCACT
TAAGAATACTATAAATAGAATAGCTATTACTACTAATGGCGTTGGCCTAGTGATGTTATTAGTGACA

TCTGGTCAATTTTCGTTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGAGATCGGAAGA
GCA

+

FFFFFFFFFFFFFF:FFFF:FF,FFF:FFFFFFFF
FF:FFFFFFFF:FFF:,::FFF,FFFF:F:F:FF,F::FFFFFFFF:FFFF:F:F:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1634:21757:24330_2:N:0:TCTGCAAG+GCTGCACT
TTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATC
TACGATTATGTCTGTGTGAAAGACTTTCTACCGATAAGGGTCACTAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2674:8892:2988_2:N:0:TCTGCAAG+GCTGCACT
TAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTAC
TTAGACTTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTA

+

FF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2103:25861:10394_1:N:0:TCTGCAAG+GCTGCACT
GATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATAATCG
CTGCATATTACGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTA
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1141:22164:24815_2:N:0:TCTGCAAG+GCTGCACT
TCTAGAATTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTT
TGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCT

+

FF
FFFFFFF:FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1429:27841:12164_2:N:0:TCTGCAAG+GCTGCACT
AAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTT
GGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGAC

+

FF
FFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2538:9670:18333_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAAC
AAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1518:23764:35571_2:N:0:TCTGCAAG+GCTGCACT
ACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAAT
TGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCTAGCCTTCA

+

FFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FF
FF:FF:F,

@A00721:190:HGJW7DSXY:4:1423:15582:35931_2:N:0:TCTGCAAG+GCTGCACT
ACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTG
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTT

+

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:1631:14235:10770_2:N:0:TCTGCAAG+GCTGCACT
AACTATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAAT
TCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAA

+

FFF:FFF:F,FF:
F:FFFFFFF,FFFFFFFFFFFFFF,FF:FF
,FF:FFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1402:4725:34976_2:N:0:TCTGCAAG+GCTGCACT
AACTTTATTTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGT
ATGATGATAATCTACTATTTTTAAATAGTGATATTACGCGTATACTTG

+

FF:
FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1434:26576:23531_2:N:0:TCTGCAAG+GCTGCACT
TTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAA
ATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1232:15908:27101_2:N:0:TCTGCAAG+GCTGCACT
AGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCG
AAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAA

+

FF
FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1342:32913:27336_2:N:0:TCTGCAAG+GCTGCACT
TCAAGTACCTGAACCTTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCT
CGGTAATGAGAGTGATTCTTAATATTCTAGTAACCGCTATGTGGGC

+

FF
FF:FFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1304:15438:29136_2:N:0:TCTGCAAG+GCTGCACT
TGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTAT
TATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC

+

FF
FFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2660:7048:31923_1:N:0:TCTGCAAG+GCTGCACT
ACATACCATAACCTACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACT
ACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTGTGCAGAATAACCTTCC
CAA

+

FF
FF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1344:6008:2347_2:N:0:TCTGCAAG+GCTGCACT
CACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAA
GCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATC

+

FFFF:FF:
FFFFFFFFFFFF:FFFFFFFFFFFF:FFF:FFF
:FFFF:FF:FFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:1307:22110:29637_1:N:0:TCTGCAAG+GCTGCACT
CTGAGGCAGTACCTCAGTCAAAAGTCACATTACCACTCCCATACCAATCAATGATGTGACTATACAG

FF:FFFF:,,:F:F::F,,FFF:F,FFFFFFF:FFFF,:FFF,F:,,FFFF:FFF:F,FFF,F:FF:,
:F:

@A00721:190:HGJW7DSXY:4:1676:26937:34616_2:N:0:TCTGCAAG+GCTGCACT
AACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCCTTAAGGGCGGACAATTGTTCCATTG
TGAACCTCTGGGGACTAGATTGAGCATTAATGAGTTCCGAATAACTCG

+
FF:FFF
FF:FFFF

@A00721:190:HGJW7DSXY:4:1404:14805:11913_2:N:0:TCTGCAAG+GCTGCACT
TATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTT
CGTTCCTCAATAAAAATTTTCTCAAGAGATTATGGTTGATAAAGTTT

+
FFFFFFFFFFFFFFFFF,:FFFFFFFFFFFF:FFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1247:3260:33880_1:N:0:TCTGCAAG+GCTGCACT
TACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAA
CAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTCATATAGATACGAGATACC
TAG

+
FFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1458:14733:12414_2:N:0:TCTGCAAG+GCTGCACT
AGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACG
TTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGA

+
FFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1325:11107:24768_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTATAGGTTTAGTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGAGTGTGAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAA
AAT

+
FFFFFFFFFFFFFFF:F:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1218:26386:24236_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
AGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAAC

+
FF
FF:FFFF

@A00721:190:HGJW7DSXY:4:1630:3685:10786_2:N:0:TCTGCAAG+GCTGCACT
TACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTG
TAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCT

+
FFFFFFFFFFFFF:FFFFFFFFFFFF:FF:FFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF
,FFFFFFFFFFFFFFFFFFFF:FF:FFF

@A00721:190:HGJW7DSXY:4:2527:32226:26334_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAAAATTTTGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTA
CGCCAGATTCTTCATGGGGCGACGCTGTTTCTTCTTGGTATTTCTGAAA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF:FFFF,FFFFF

@A00721:190:HGJW7DSXY:4:2364:4164:25614_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCTGGTAAGGGAATTATTAAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCT
ACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTC
AAC

+

F,FFFFFFFFFFFFFFFFFFFF:FFF
FFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1623:15157:32002_1:N:0:TCTGCAAG+GCTGCACT
AATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAA
GGGGTTCATAAGATATTATCTGACATTGTGGTTCATGATCAGGATTCTTCTTTTGGTCCTTACGTC
TTA

+

FFFFF::FFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2427:4598:11240_1:N:0:TCTGCAAG+GCTGCACT
TCTTGTCACGATTCTTAAAAGAAGTTTATTAACCTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATG
TTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACT
CAG

+

F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1214:27651:17848_1:N:0:TCTGCAAG+GCTGCACT
AGTTAGGGAGTGGCTAGGTTTTAAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCC
AGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTT
GAG

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2660:11134:27696_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTCCTGATGGCTCAGTACAGGGAGGAGTAATAGTTATAAACCTTCTTTTATC
ATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCT
ACA

+

FFF:FF:FF::FFF:F::FF,FF:FFFFFFFFFFFFFFFFF:,FFFFFF:FFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,,:FF:FFFFFFFFFFFFFFFFFFFFFF,,FF
FFF

@A00721:190:HGJW7DSXY:4:1468:8323:31657_1:N:0:TCTGCAAG+GCTGCACT
TGTTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGGACT
TTAGCAACTTTAGACAAATTCTTCCGGGCTCAATGACCTTGCTATGTACGTGGATCTAATGCTTGG
TGA

+

FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFFFFFFFFFFF,FFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2338:22200:12571_2:N:0:TCTGCAAG+GCTGCACT
TATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTACAAAGCGTTACGTAA
GTAGTTTTTCACGCTTTATCTTAAAGCATTACCACCAATTTAGCACTT

+

FFFFFF:FFFFFF:FFF:FFFF,FFFF:FFFFFF:FFFFFF:FFFFFF:FFFFFF:FFFFFF:FFFFFFF
FFF:FFFFFFFFFFFFFFFF:FFFFF:F:FF,FFFFFFFFFFFF,F,FF

@A00721:190:HGJW7DSXY:4:2304:21296:7498_2:N:0:TCTGCAAG+GCTGCACT
TCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTT
ACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGT

+

FF
FFF:FF

@A00721:190:HGJW7DSXY:4:1327:3016:16016_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCT
TTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGC

+

FFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFFFF:FF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFF
,FF,FFFF

@A00721:190:HGJW7DSXY:4:1327:3016:16016_1:N:0:TCTGCAAG+GCTGCACT
TTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGTTCTATTACCACCCTTGTCATTGATA
CAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGTTACCTATTTACAA
TCT

+

:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFF:F:F:FFFFF,:FFFF:FFF::FF
FFFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFF:F:FFFF
FF:

@A00721:190:HGJW7DSXY:4:1309:18575:6605_1:N:0:TCTGCAAG+GCTGCACT
GATATCGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTTCCCTCCCTTTTTTCGA
TTGGATTGACGGGGTCTTCGTCTCACTACTAATTTGATAAGGTTTTTCTTTTATGGGACTCTTGTTT
GTA

+

F:F,:FFF:FFFFF::FF:FF,:FFFFFF:,F,,FFF,F,FFF,FFFF:FFF:FFF:F:FF,F:F:FF
FFFFFFFFFFFF,F,F:F:FF:FFFFFF:, ,FFF:FFFF,F,,F,FFFF,,F,FFFF,F,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2555:32615:24064_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTG
ATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1162:21495:33959_1:N:0:TCTGCAAG+GCTGCACT
CGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTTCGGGCTGTGGGGATTAACCTCCC
TCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGCCACTT
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1117:16016:11350_1:N:0:TCTGCAAG+GCTGCACT
TCTGTTTCATGAGGATGTCTTGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGACAT
TATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTCTCCACTGATTCGG
AAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1275:11388:36057_2:N:0:TCTGCAAG+GCTGCACT
CGACCTTCTTGTTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATA
ATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTA

+

FF
FF
@A00721:190:HGJW7DSXY:4:2225:14136:17425_1:N:0:TCTGCAAG+GCTGCACT
TAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAGAAAAGTATGGTTGCGGCTG
ATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCAGAGTTACGTAGT
GGT
+
FFF,:,F,F:, ,FF,FF:,FFFF:FFFF,FF:FFFF:FFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFF
FF::F,FFF,FFFF:FFF:FFFFFFFFF:::FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1508:16278:35540_1:N:0:TCTGCAAG+GCTGCACT
TTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAA
ACTTCGAAGTACCACCTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAAGCTATT
AAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2419:10574:36777_2:N:0:TCTGCAAG+GCTGCACT
AAACTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTGGAACTGTGTAATGT
CCTACGTACTGTTCAAGGTGTTTGGGCTTCTCTAAAGAACAGCAACTT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2252:16803:20322_1:N:0:TCTGCAAG+GCTGCACT
AACCTTTCCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAG
TCGATTGATTTTGTTGACTACGATCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGG
TGG
+
FFFFF:FF
FFFFFFFFF::FF
FFF
@A00721:190:HGJW7DSXY:4:1372:9028:33599_2:N:0:TCTGCAAG+GCTGCACT
GCGACTTTTGTGCAATTTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCG
AGAAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2449:24840:15515_2:N:0:TCTGCAAG+GCTGCACT
CAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAG
GTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCAC
+
FFFFF:::FF
FF:FFFFFFFF:FFFFF:F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:::FF
@A00721:190:HGJW7DSXY:4:1665:6759:7999_2:N:0:TCTGCAAG+GCTGCACT
CATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTAT
TGATCTCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGA
+
FF
:FF
@A00721:190:HGJW7DSXY:4:2623:15980:31610_2:N:0:TCTGCAAG+GCTGCACT
TTATCGAAGTCTCAGTTATCGCTGCCGCGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAA
AAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGAC
+

FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFF:F:FF
FF:FFFF:FF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:2445:8024:34929_2:N:0:TCTGCAAG+GCTGCACT
TATTACTTTCACTCAAGGTGAAAAGTTTGAAATTAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTG
AAGATGCTCAGACTATTCATGAAGTTCAAGTAATACTTACCAGCACG
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1214:29912:33661_1:N:0:TCTGCAAG+GCTGCACT
ACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTAA
AGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTT
GCA
+
FFF,FFFFFF,FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1148:15501:13088_2:N:0:TCTGCAAG+GCTGCACT
TATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGG
ACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2374:1090:10019_1:N:0:TCTGCAAG+GCTGCACT
AACCACCTTAACGTCACCTCGGTAATCTTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGCG
ATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTT
TAG
+
FFFFFFFFFFFFFFFF,FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2306:7446:25379_1:N:0:TCTGCAAG+GCTGCACT
TACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTACAAACGGAAAGA
CATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTGTTTGATCAGTC
TAA
+
FFFFFFFFFFFF:F:FFFFFF,F:FFFFFFFFFFFFFFFFFFFF::FFFF:FFFFFFFFFFFFFFFF
FF:FF
FFF
@A00721:190:HGJW7DSXY:4:1213:1280:2174_1:N:0:TCTGCAAG+GCTGCACT
ATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTAT
ACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGC
TCA
+
FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFF:FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1373:3079:1720_2:N:0:TCTGCAAG+GCTGCACT
CTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCA
AAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGG
+
FF:FFFFFFFFFFFFFFFF
FFFF:FFFF:FFFF:FFFFFFFF:F,FF::FFF,FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1534:32696:18787_1:N:0:TCTGCAAG+GCTGCACT
CAGTGACGATTTCTCCCGGAAGCTCTTCTCTCTTAGGAGTCATGATGACTACTATAAGGGTGAAA

TCGATTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCT
TAT

+

FFFFFFFFFFFFFFFF:F:FFFF:FFFF:FFFF,F,FFFFFF,,FFFFFF,F:FF:FFFFFFFFFFFFFF
FFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FF:F:FFFF:FFFF::FFFFFFFFFFFFFF:FF
FF:

@A00721:190:HGJW7DSXY:4:2228:10185:24706_2:N:0:TCTGCAAG+GCTGCACT
AACTTTGGAGTGCCAGTGAATATTTTTGTACGCCAGGAGTATCCATAACGATTTGTCATTTACCACC
TTTGCTCAACGACGAAGTGAACGGCCAACACTTTCTTTGGTAATTGT

+

FFFFFFFFFFFFFFFF:FF:FFFFFFFF
FF:FFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1251:20338:35399_1:N:0:TCTGCAAG+GCTGCACT
GATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCA
TTCTGTTTTCAAAGACTCCAATACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAAGCG
AAA

+

FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2638:7518:9377_2:N:0:TCTGCAAG+GCTGCACT
TGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTACAAGATCATCGT
TAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGA

+

FF
FFFFFFFFFFF:FFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1532:12346:36307_2:N:0:TCTGCAAG+GCTGCACT
AGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTAT
TCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTAAACGATTC

+

FFF:FF:FFF
FF:FF,FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1645:7129:14873_1:N:0:TCTGCAAG+GCTGCACT
TGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGATGCGGTTTCATAAGA
TTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGT
ATC

+

F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1116:27651:27398_2:N:0:TCTGCAAG+GCTGCACT
TCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTT
ATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATAGATCGGAA

+

:FFFFFFFFFFFFF:,FF:FFFFFFFFFFFFFFFFFFFF,FF:F::FF:FFFFFFFFFFFFFFFFFFFF:FF
FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFF:

@A00721:190:HGJW7DSXY:4:1168:20112:30655_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTTTTCTTCTTTGTT
TCCTTCTTTGCACTGATTTTCTCATCAGCTTGTGTTTACCTAATC

+

FF
FF,FF

@A00721:190:HGJW7DSXY:4:2171:26992:30107_2:N:0:TCTGCAAG+GCTGCACT
GATAACAACATATCAGTTGATTAAGACTCTCCGAAAGGCGAACTTTGGAATTTGAAGCTCAGGGTGA

AGCACAACTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTA

+

FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFF:FFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFF, F:FFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2606:28962:27477_1:N:0:TCTGCAAG+GCTGCACT
CACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTTTTCAT
CGCAACCAGATGATATCTTCTATTCTGAAGTATGTTTCGATCAGTGTCTTCTATCAGGAGGAAAAC
ACT

+

:,:FFF::,F:FF,F:FFFFFFFF:F:FFFF:FFFF:FF:F:FFFF:FFFFFFFFFFFF,F,,F:FF
F:FFFF:FF,FFF::F,FF,FF,FF,:,,,F:FFFFFFFF,FFFF,,:FFFFFF,FFFF:FFFF
,,F

@A00721:190:HGJW7DSXY:4:2270:3821:16783_2:N:0:TCTGCAAG+GCTGCACT
TCACTTTGTGTGTAAGTCTTCTATTTAAGTTTTGTCTTCTTGTGTTGTTGTTTATTCTATTAATCACT
CATTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAG

+

FFFF:FFFFFFFF:FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:2475:17137:29450_1:N:0:TCTGCAAG+GCTGCACT
GCCTTACAGAGGGGAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTG
TCTCGCCTCTTGAATGAAGTTTAAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTG
GTT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:, :FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2138:23556:9408_2:N:0:TCTGCAAG+GCTGCACT
TGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACC
TTAAGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTG

+

FFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,F:FFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1577:17146:8265_2:N:0:TCTGCAAG+GCTGCACT
GTACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTCCTACTTTTGGACAAGGCCAAC
TTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF,FFFF:F:F,FFFF,FFFF
:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF,:FFFF,FFF

@A00721:190:HGJW7DSXY:4:1263:11360:12900_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCAT

+

FF
FFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2345:16957:31140_1:N:0:TCTGCAAG+GCTGCACT
CTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGTTTCAAGATGGGATTCTACGTAGTT
TATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGTAATTACTATAGTGTTAT
TTA

+

FFFFFFF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2526:3857:30154_1:N:0:TCTGCAAG+GCTGCACT
ATAATCTTGGAGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCC

GCCACCACACAACCTTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAAT
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1248:1561:14403_2:N:0:TCTGCAAG+GCTGCACT
TCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATA
GTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCAT

+

FF
FFFFFFF:FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2636:32353:6324_2:N:0:TCTGCAAG+GCTGCACT
TGAAACAGCTATTAAAGCTGTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAG
GATGTGCACTCTTTTCTGCTAGTTTAAACGGAGCGTAGTGTACTCTTCG

+

FFFFFFFFF::F,FFFFFFFF,FFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,F
FFFFFFFFFFFF:FFFFFFFFF,FFFF,FFFF:FF:FFFF,FFFFFF

@A00721:190:HGJW7DSXY:4:1570:8811:35947_2:N:0:TCTGCAAG+GCTGCACT
AAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAAACTCCA
AGGTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGTATGA

+

FF
FFF:FF:FFF

@A00721:190:HGJW7DSXY:4:2502:10881:3615_1:N:0:TCTGCAAG+GCTGCACT
CATTAAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAAGTGCAT
GGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGAGATCGGAAGAGCAC
ACG

+

:F,FFFFFF,F,FFFFFFFF:F:FFFFFFFF:FFFFFF:F:FFFFFFFF:FFFF:F,FFFFFF:F,FFF
FFFFFFFFFFFF::FF,FFFFFFFF:F:FFFFFFFF:FFF:F:FFF::,,:FFF:FFF,FFF:FF,FF
FFF

@A00721:190:HGJW7DSXY:4:1221:2266:25520_1:N:0:TCTGCAAG+GCTGCACT
CTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATC
GCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAA
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2307:28782:21402_1:N:0:TCTGCAAG+GCTGCACT
TACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCTCCTTTAATGGCACTACCT
CGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTC
TAT

+

FFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2102:14190:23563_1:N:0:TCTGCAAG+GCTGCACT
AATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATAT
GATTTGATCTGGTTGCTCAATTCTAAGCGTGTCCGCTTAGTGCGAGGCCTCTCTTCTACGAGTATTG
CTA

+

FFFFFFFFFFFFFFFFF:FF

FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1444:19135:36323_2:N:0:TCTGCAAG+GCTGCACT
AAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTT
CCTTGATTTTAAATATAAAGAATCTTTACCAGGACTCCTACTACAGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2523:20898:28103_1:N:0:TCTGCAAG+GCTGCACT
GATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAAC
TCTAAGTGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGG
ACA

+

FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2452:3314:11115_1:N:0:TCTGCAAG+GCTGCACT
TAAGAATACTATAAATAGAATAGCTATTACTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTGACA
TCTGGTCAATTTGTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGAGATCGGAAGA
GCA

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2533:17173:24596_2:N:0:TCTGCAAG+GCTGCACT
TTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATC
TACGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAG

+

FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1146:26476:17409_2:N:0:TCTGCAAG+GCTGCACT
ATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTT
CCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCT

+

FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2146:6036:26130_1:N:0:TCTGCAAG+GCTGCACT
GATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTGCATATTACGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTA
ACT

+

FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1152:22318:28307_2:N:0:TCTGCAAG+GCTGCACT
TCTAGAATTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTT
TGAGAACTAATATGTTATGTTCTCTGATCATTTTGACAATCTCTCT

+

FFF
FFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1475:32696:17347_2:N:0:TCTGCAAG+GCTGCACT
AAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTT
GGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGAC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,F
FFF:FF

@A00721:190:HGJW7DSXY:4:1115:14344:31219_1:N:0:TCTGCAAG+GCTGCACT
TCTTAAAGCTTCACCAAAAATGAAGGACACTTCGAAACTGAATAATGATGCAATACAAAAAGTATCG
CTAATCTTCTGAAAAAGGCTCTAAAGGACACTATACAATATCCAGACGACGACGAAGCTTATACAATA
TCC

+

F,FFF:,,:FFF:,FFFF,F:F:F,,,FFF,FF:,FFFFFFFFFFFFFFFF,FFF,F,,F,FFF:F
,F::FF,FFFFFFFF:FFFF,F:FF:FF,F,FFF:F:FFFFFFFF,,F,,:F,FF,,FF,FFF,:FF
FF:

@A00721:190:HGJW7DSXY:4:1525:2456:21684_2:N:0:TCTGCAAG+GCTGCACT
ACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAAT
TGGTCCAACATTTACCACCAAATCTTTTGATACAACCTCTAGCCTTCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1424:13810:15107_2:N:0:TCTGCAAG+GCTGCACT
ACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCTTTAAAGACTG
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTT

+

FFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:1522:25211:31876_1:N:0:TCTGCAAG+GCTGCACT
TTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAG
TATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACC
AAG

+

FFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1145:10203:5071_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCAACAGATTTGTCTACGTTGCAGATCGCCACTCCAACACTATATACATTATAAAAT
ATA

+

FF
FF
F:F

@A00721:190:HGJW7DSXY:4:2137:11939:11741_1:N:0:TCTGCAAG+GCTGCACT
CATAACTTTTGTACCAAATTCCTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACG
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT
GAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2204:8395:24330_2:N:0:TCTGCAAG+GCTGCACT
TTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTCTTA
GCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACG

+

F,,:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF,:
,FFFFFFFF,FFFFFF:FFFFFFFFFFFF:FFF:FF,FFF:FFFFFF

@A00721:190:HGJW7DSXY:4:1166:13711:3724_1:N:0:TCTGCAAG+GCTGCACT
TAGAATAGATTTAGTCTCTACACCCATCTCAACGAGTATAACGCGTGTTTTCCGTCCTGAACGTAATA

CACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG
AT

+

:F,FFF::::F:,F,,:FFFF,FF::,,,FF,::,,,F:F:,FF,,,FFF:F:::F:F,F:,,,F,F,
:,::,,,::,::,FF,,F:FFF
FF

@A00721:190:HGJW7DSXY:4:1544:19027:24518_1:N:0:TCTGCAAG+GCTGCACT
CATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTT
TTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTATGTACTTATTGTAACGATCA
TTC

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1556:2320:35884_1:N:0:TCTGCAAG+GCTGCACT
TTCTTTTATTCCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATT
TAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGTTTCAAATGAGGTCAAAG
CTC

+

FFF:FFF:FFFFFFFFFFFFFFF,FFF
FFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1631:14425:10786_2:N:0:TCTGCAAG+GCTGCACT
AACTATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAGTTCAAT
TCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAA

+

FFF
FFFFFFFFFFFFFFFFFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:1435:12057:18458_2:N:0:TCTGCAAG+GCTGCACT
AACTTTATTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGT
ATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTG

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:1468:19913:12336_2:N:0:TCTGCAAG+GCTGCACT
TTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAA
ATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTT

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:1677:11324:17910_2:N:0:TCTGCAAG+GCTGCACT
AGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAAGTAAAAAGATTCTTTTCG
AAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAA

+

FFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1403:22607:31375_2:N:0:TCTGCAAG+GCTGCACT
TCAAGTACCTGAAGTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCT
CGGTAATGAGAGTGATTCCTTAATATTCTAGTAACCGCTATGTGGGC

+

:FFF
F:FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1317:5466:12649_2:N:0:TCTGCAAG+GCTGCACT
TGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTAT

TATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC
+
FFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFF,FFFFFF
FFFF,FFFF:FFFFFFFF:FFFFFFFFFFFF:,FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1435:29215:7310_2:N:0:TCTGCAAG+GCTGCACT
CATACCATAACCTACCATGACCAATCATCGCTCCAAGTGGCACGCCAGACGTAGGGTCAAACCTACTA
CCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCG
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:
FF
@A00721:190:HGJW7DSXY:4:2242:19705:34867_2:N:0:TCTGCAAG+GCTGCACT
TAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGTCGTTACCGGACGACCACTCAAAGGA
AACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2575:20817:8923_1:N:0:TCTGCAAG+GCTGCACT
AGTCCCGTCATCTCTGTGGGAAGTACCTCAGTCAAAAGTCACATTACCACTCCCATGCC
AATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAG
CCT
+
FF:FFFFFFFFFFFFFFFF
FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2127:21459:17895_1:N:0:TCTGCAAG+GCTGCACT
ATCTAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAG
TCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAGTGAAGAATAAAGGGAAAGGTCCATCA
GGA
+
FFFFFF:FFFFFFFF,FF,FFFF:F,FFFF::FFFFFFFF,,:F:FFFF::F:FFFFFFFF
FFF::FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF:F::FFFF
FFF
@A00721:190:HGJW7DSXY:4:2320:29071:3897_2:N:0:TCTGCAAG+GCTGCACT
ATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCA
AAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGG
+
FF:FFFF,FFFFFFFFFFFFFFFFFFFF
F,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,F,FFF
@A00721:190:HGJW7DSXY:4:2331:8766:34397_2:N:0:TCTGCAAG+GCTGCACT
GTTGCGCCTGCCGACCCCGTCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAA
ATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTA
+
FFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2213:1796:26021_1:N:0:TCTGCAAG+GCTGCACT
CTGAAAGAGAATTGCGTGGGTTGATGGCAGACGCTTCGAGCTTGTGTGTGACGAGGCCGGTGAAGTTT
TTGTCAACGGCGATTGGAGGATTTTATCCGCGCTTAAGTTGGGGCGAAGATCCCCTATGGAGTCTTG
AAG
+
FFFFFFFF,F::F,,F:,F:FF:,,,F:,,,,,F:FFFF,FFF,,,F,F:,,,,F,,,FF,F,F:FF
:F,F,:F::,F,,F:,::,,,F,F::F:,,,FFFF,F,F:,,,,F:F,FF,,,F,F::F,F,F::
:F,
@A00721:190:HGJW7DSXY:4:1678:6623:4382_2:N:0:TCTGCAAG+GCTGCACT
GGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAG

AGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCAGAATGCGGGC
+
FFFFFFFFFFFFFF,FF:F
FFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2553:28727:7153_2:N:0:TCTGCAAG+GCTGCACT
GGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGC
AAATTCCCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2466:5954:33473_1:N:0:TCTGCAAG+GCTGCACT
TGGGGATTTGTTGTGAGAATGTGTAAGGTGTCAAGTGTCTTTCATGCTGATATTTCAAGACCTAA
TCACATCTTGATTGTTAGTTACTGGTCGTATCGAGTTGGAGGGAGGATGTTCTCCGAAATTAAAGACG
GG
+
F,:F,,FFF,F,:F,,FF,,F,,,F,FF,F:,FF,,FFFFFF,FF,FFFF,F,,,FFFF,F,F
F:,:F,,FFFF,,F::,,,,,:F:F:F:,F:F:FFFF,F,,FF,F:FFF,FFFF:FF,::
:,
@A00721:190:HGJW7DSXY:4:2558:14362:29622_2:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGT
+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2147:6497:36385_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFF::F:F
@A00721:190:HGJW7DSXY:4:2201:8350:28855_2:N:0:TCTGCAAG+GCTGCACT
TATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGCTTGAAAGAGGTCCTTTTGAG
TATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAA
+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF:FFFF
@A00721:190:HGJW7DSXY:4:2228:2663:3035_2:N:0:TCTGCAAG+GCTGCACT
ATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGT
TTGATTGGTATGGACTIONCGACTTTTGATCTGGAGTTGTCTAGGGTC
+
FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2216:5602:17707_2:N:0:TCTGCAAG+GCTGCACT
AATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTGGCCGACTTTAACTA
TTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCGTACCTTACAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF:F:F
FFFFFFFFFFFFFFFF:F::FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2456:22318:7138_2:N:0:TCTGCAAG+GCTGCACT
GGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC
GTCGACCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGA
+
FF
FF

@A00721:190:HGJW7DSXY:4:1515:19732:22733_2:N:0:TCTGCAAG+GCTGCACT
ATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAA
CCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACAT

@A00721:190:HGJW7DSXY:4:1218:26982:24455_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
AGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAACCT

+

FFFF:FFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2319:5023:31454_2:N:0:TCTGCAAG+GCTGCACT
TACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTG
TAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2630:15736:9111_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTA
CGCCAGATTCTTCATGGGGCGACGCTGTTTCTTGGTATTTCTGAAA

+

FFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2634:28809:13244_1:N:0:TCTGCAAG+GCTGCACT
TTTCTCTGGTAAGGGAATTATTAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCT
ACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTC
AAC

+

F:F:FFFFFFFF:F:FFFFFFFF,,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF
FFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1623:15619:32550_1:N:0:TCTGCAAG+GCTGCACT
AATAATTGGTGATGAAAATACGTATGTCGGTGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAA
GGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTC
TTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2470:4408:32769_1:N:0:TCTGCAAG+GCTGCACT
TCTTGTACGATTCTTAAAAGAAGTTTATTAACCTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATG
TTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACT
CAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1669:30535:35243_1:N:0:TCTGCAAG+GCTGCACT
AGTTAGGGAGTGGCTAGGTTTTAAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCC
AGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTT
GAG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1122:3007:30185_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAACCTTCTTTTATCA
TTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTA
CAC

```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1632:14796:2284_1:N:0:TCTGCAAG+GCTGCACT
TGTTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCATAATTTAGGTCGACGGACT
TTAGCAACTTTAGATAAAATTCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGG
TGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2342:23484:23030_2:N:0:TCTGCAAG+GCTGCACT
TATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTACAAAGGCGTTACGTAAA
GTAGTTTTTCACGCTTTATCTTAAAGCATTACCACCAAATTTAGCACTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFF
FFFFFFFFFFFF,FFFFFF,FFFF:F:FFFF,F:FFFF,F:FFFF,:F
@A00721:190:HGJW7DSXY:4:2565:29776:1266_2:N:0:TCTGCAAG+GCTGCACT
TCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCCAGGACTGATGGTGAGATTCTTTT
ACCTTTTGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGT
+
FFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFF,F:FF
@A00721:190:HGJW7DSXY:4:1331:12057:18020_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCT
TTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGC
+
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1331:12057:18020_1:N:0:TCTGCAAG+GCTGCACT
TTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGTTCTATTACCACCCTTGTCAATTGATA
CAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAA
TCT
+
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:1378:23321:13542_1:N:0:TCTGCAAG+GCTGCACT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTTCCCTCCCCTTTTTTCGA
TTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGTTTTTCTTTTATGGGACTCTTGTTT
GTA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:2619:27868:7576_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTG
ATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1327:20980:24893_1:N:0:TCTGCAAG+GCTGCACT
CGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTGCGATGATGTTTCGGGCTGTGGTGATTAACCTCCC

```

TCGTGAAACTTACGACGATGTTCTCGCTCGCATTTTACAAGGATTACTAAGTCTGAGATCTGCCACTT
CTA

+

F:,FFFF:FFF:F:,F:FFFF,,,FF:F,FFFF:F,FFFF:FFFF:,F:FFF:FF,FFFFF,,,F:F,
FFFF,::FFFF:::F:,F:::F,FFF,FFF,:FFFF,:FF:,,:FFFFFFF,FFF::F,:F,FFFF
,FF

@A00721:190:HGJW7DSXY:4:1362:19940:12790_1:N:0:TCTGCAAG+GCTGCACT
TCTGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGACAT
TATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTTCGG
AAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1533:16721:21183_2:N:0:TCTGCAAG+GCTGCACT
CGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATA
ATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTA

+

FF:FFF:
FFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1627:6876:7639_1:N:0:TCTGCAAG+GCTGCACT
AAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGAGAAAAGTATGATGTTGCGGCTGA
TCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCAGAGTTACGTAGTG
GTC

+

FFFFFFF:FF:FFFFFFFFFFFFFFFFF,F:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1508:16306:35462_1:N:0:TCTGCAAG+GCTGCACT
TTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAA
ACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAGCTATT
AAT

+

FFFFFFFFFFFFFFFFFFFF:FFF,F,FFFFFF:,FFFFFFFFFFFF:FFFF:FFFFFFFFFFFF:FFFFFFF
F,FFFFFF:FFFF:FFFF:FFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:2420:11288:1063_2:N:0:TCTGCAAG+GCTGCACT
AAACTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTGGAACTGTGTAATGT
CCTACGTACTGTTCAAGGTGTTTGGGCTTCTCTAAAGAACAGCAACTT

+

FF
FFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2263:3757:10598_1:N:0:TCTGCAAG+GCTGCACT
AACCTTTCCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAG
TCGATTGATTTTGTTGACTACGATCTCTTGTATAAAGAGTTCTTCGCAGTTGAATCTCCACCAGG
TGG

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1613:13503:3145_2:N:0:TCTGCAAG+GCTGCACT
GCGACTTTTGTGCAATTTTTCGAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCG
AGAAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTTCATCGCGGTAT

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2452:26078:13056_2:N:0:TCTGCAAG+GCTGCACT
CGTGAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCA
AACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTACACGCTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2159:10321:2801_2:N:0:TCTGCAAG+GCTGCACT
CATCTACTTAAGCGCGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTAT
TGATCTCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2667:22824:17879_2:N:0:TCTGCAAG+GCTGCACT
TTATCGAAGTCTCAGTTATCGCTGCCCCGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAA
AAATTTCTCCTGCTTGTAAATTCGAGAGAGGACACTATGAAATTAGAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2455:13449:31735_2:N:0:TCTGCAAG+GCTGCACT
TATTACTTTCACTCAAGGTGAAAAGTTTGAAATTAACAAAGTCCTTGGTAAGAGTAAGGTTAAATGTG
AAGATGCTCAGACTATTATCATGAAGTTCAAGGTAATACTTACCAGCACG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1442:20347:22357_1:N:0:TCTGCAAG+GCTGCACT
ACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTAA
AGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTT
GCA
+
:FFFFF:FFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1273:28113:21339_2:N:0:TCTGCAAG+GCTGCACT
TATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGG
ACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGA
+
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFF
@A00721:190:HGJW7DSXY:4:2442:28818:1799_1:N:0:TCTGCAAG+GCTGCACT
AACCACCTTAACGTCACTCGGTAATCTTTACGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGCG
ATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTT
TAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2306:7726:26303_1:N:0:TCTGCAAG+GCTGCACT
TACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTACAAACGGAAAGA
CATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGATCAGTC
TAA
+
:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFF

```


FFFF:FFFFFFFF:FFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1347:17363:7169_1:N:0:TCTGCAAG+GCTGCACT
ATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTAT
ACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGC
TCA

+
FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1544:3540:15013_2:N:0:TCTGCAAG+GCTGCACT
CTAAGGTAAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCA
AAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGG

+
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2402:31602:12759_1:N:0:TCTGCAAG+GCTGCACT
CAGTGACGATTTCTCCCGGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAA
TCGATTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTGTAAAGCCTATGAGATAAAGATGTATTCT
TAT

+
FFFFFF:FFFFFFFF,FFFFFFFF:F,FFFFFFFF:FFFF:FF:FFFFFFFF:F,FFFFFF
FF:FF:F:FFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2316:10050:12633_2:N:0:TCTGCAAG+GCTGCACT
AACTTTGGAGTGCCAGTGAATATTTTGTACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACC
TTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCTTTGGTAATTGT

+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1309:21061:14638_1:N:0:TCTGCAAG+GCTGCACT
GATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCA
TTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAAGCG
AAA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2643:4734:21433_2:N:0:TCTGCAAG+GCTGCACT
TGCTCGCGATTTATTCTTTTGTCAATGATTACATCTACTTCGTTCTGATCCTTACAAGATCATCGT
TAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGA

+
FFFFFFFFFFFF:FFFFFFFF:FF:FFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1643:15944:27759_2:N:0:TCTGCAAG+GCTGCACT
AGGTTGTTGTTTGGCGATTAGCTCTTGCAGCTAATATTCGATATTCGATTGAGGGTCGTTATACCTAT
TCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTAAACGATTC

+
FFF,FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FF:

@A00721:190:HGJW7DSXY:4:2128:20175:7999_1:N:0:TCTGCAAG+GCTGCACT
TGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGATGCGGTTTCATAAGA
TTATCAGTAATCCTGATTCTACTACGATTCATGGACCTCCATCCTGTACCTCTTCTGGAGAGACGT
ATC

+
FFFFFFFF:F:FFFFFFFF:FFFFFFFFFFFFFFFF, :FFF, FFFFFFFFFFFFFFFF, :FFFFFFFF
F:FFFFFF, FF: FFFFFFFFFFFFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:1139:10791:15608_2:N:0:TCTGCAAG+GCTGCACT
TCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTT
ATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCAC
+
FFFFFFFF:FFFFFFFFFFFFFFFF, FFFFFFFFF:FFFFFFFF: :FF: FFFFFFFFFFFFFFFF: FFFF
FF: FFFF
@A00721:190:HGJW7DSXY:4:1259:11740:29590_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAAGACTCTCTTCTTCTTTGTT
TCCTTCTTTCGACTGATTTTTCCTCATCAGCTTGTGTTTACCTAATC
+
FFFFFFFFFFFFFFFFFFFFFFFF: FF,
FFFFFFFFFFFFFFFFFFFFFFFF: FFFFF: FFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2211:8034:11209_2:N:0:TCTGCAAG+GCTGCACT
GATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGA
AGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTA
+
FFFFFFFFFFFFFFFFFFFFFFFF:F, : FFFFFFFFFFFFFFFFF: FFFF, FFFFFFF, FFFFFFFFFFFFFFFFFF
F: FFFFFFFFFFFFFFFFF, FFFFFFFFF: FFFFFFFFFFFFFFFFFF, FF
@A00721:190:HGJW7DSXY:4:2344:24108:15123_1:N:0:TCTGCAAG+GCTGCACT
CACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTTCATCGCAAC
CAGATGATATCTTCTATTCTGAAGTATGTTTCGATCAGTGTCTTCTATCAGGAGGAAAACACTTGT
TCT
+
FF, FFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFF: FF: : F: FFFFFFFFF: FFFFFFF: FFFF
FF: FFFFFFF, FF: FFF: FFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1105:19325:24846_1:N:0:TCTGCAAG+GCTGCACT
TCTCTATTTTAAAGTTTTGTCTTCTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATT
AAAAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAG
AGG
+
FFF: FFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFF: FFF: FFFFFFFFF: F: FFFFFFFFF
F, FF
F: F
@A00721:190:HGJW7DSXY:4:1209:14742:4413_2:N:0:TCTGCAAG+GCTGCACT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAA
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGA
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:2478:26350:22482_1:N:0:TCTGCAAG+GCTGCACT
CTTGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAA
GCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAAACATTGTACGATG
TCG
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1260:1199:35978_1:N:0:TCTGCAAG+GCTGCACT
TCACTTTTCACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTT

@A00721:190:HGJW7DSXY:4:1117:14425:33520_1:N:0:TCTGCAAG+GCTGCACT
GTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCG
AAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAATATTTACAAAATCTT
ACC

+

FFFFFF,FFFFFFFFF::FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1257:7355:33865_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGA
CCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF::FFFFFFFFFFFFF:FFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFF,:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1318:28330:6527_2:N:0:TCTGCAAG+GCTGCACT
TCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATC
TGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCCTCTCTTC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1445:26865:23531_2:N:0:TCTGCAAG+GCTGCACT
AAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTT
CCTTGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF::FFFFFFFFF:,FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2647:2003:7686_1:N:0:TCTGCAAG+GCTGCACT
GATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAAC
TCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGG
ACA

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2678:26838:6887_1:N:0:TCTGCAAG+GCTGCACT
TAAGAATACTATAAATAGAATAGCTATTACTACTAATGGCGTTGGCCTAGTGATGTTATTAGTGACA
TCTGGTCAATTTGTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGAGATCGGAAGA
GCA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2552:21169:12320_2:N:0:TCTGCAAG+GCTGCACT
TTCCTGAAGAGTCCTTCCGTAACCACTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATC
TACGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1414:3676:18630_2:N:0:TCTGCAAG+GCTGCACT
ATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTT
CCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

FF
FFF

@A00721:190:HGJW7DSXY:4:2315:30445:2425_1:N:0:TCTGCAAG+GCTGCACT
CATAACTTTTGTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACG
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT
GAC

+

FFFFFFFFFFFFFFFF,FFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2557:29658:8891_2:N:0:TCTGCAAG+GCTGCACT
TTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTCTTA
GCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACG

+

FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1453:15845:5259_1:N:0:TCTGCAAG+GCTGCACT
TAGAATATATTTAGTCTCTACACCAATCTAACC GCGTATAACGCGATTTTCCGACCTGACCGTAATA
CACGAAGATATCATCCGCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG
AT

+

F:,F,F,,:FFF,,,:::,FFF,,,:F,F,F:,F,,:FF,,,:FFF:F,F,F,F,F,:,,FF::
,F:,::,,,:,,,:FF:FF,FF
FF

@A00721:190:HGJW7DSXY:4:1642:1949:8030_1:N:0:TCTGCAAG+GCTGCACT
CATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTT
TTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTATGTACTTATTGTAACGATCA
TTC

+

FFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FF
FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2210:3170:17503_1:N:0:TCTGCAAG+GCTGCACT
TTCTTTTATTCCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATT
TAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAG
CTC

+

FFFFFFFFFFFFFFF:FF,FFF:FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2218:27914:4961_2:N:0:TCTGCAAG+GCTGCACT
AACTATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAAT
TCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1540:27859:34178_2:N:0:TCTGCAAG+GCTGCACT
AACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTCAATAAGATGT
ATGATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATACTTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1610:2266:14810_1:N:0:TCTGCAAG+GCTGCACT
GGCTTGCTATTTACCGCAAAAAGTTGAAGAGGTCTATGATATTTATTTACTTATACTTTAAATA

FFFFFFFFFFFFFF, :FFFFFF:FFFFFFFFFFFFFFFF, FFFFFFFFFF:F:FFFFFF:FFFF:FFF
FFF, FFFFFFFFFFFFFFFFFF:FFFFFF, FFF, FFF:FF:FFFF:FF,,
@A00721:190:HGJW7DSXY:4:2675:17219:33880_2:N:0:TCTGCAAG+GCTGCACT
TATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGCTTGAAAGAGGTCCTTTTGAG
TATCGACAGATCTTTCGATCTTGAGGACGTACATTAACTGGCAGAA
+
FFFFFFFFF:FFFF:FFFFFFFF, FFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFF:FFFF:
FFFF, FFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFF: :FFFFFF
@A00721:190:HGJW7DSXY:4:2539:16676:16658_2:N:0:TCTGCAAG+GCTGCACT
ATATTGTTCCCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGT
TTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
, FF:FFFFF
@A00721:190:HGJW7DSXY:4:2522:2130:28322_2:N:0:TCTGCAAG+GCTGCACT
AATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTA
TTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCTGACCTTACAA
+
FFF: , FFFFFFFFFFFFFFFF:F
FFFF:FFF
@A00721:190:HGJW7DSXY:4:1165:8341:12994_1:N:0:TCTGCAAG+GCTGCACT
CGCAGTTTCCAGAATTGCGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGAGCCATA
TCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGG
CGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF: FF
FFF
@A00721:190:HGJW7DSXY:4:2206:31801:6057_2:N:0:TCTGCAAG+GCTGCACT
ATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTA
TACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT
+
FFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, , F:FFF:FF:FFFFFFFFFFFF
FFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2670:20907:11835_1:N:0:TCTGCAAG+GCTGCACT
ATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAG
GTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTT
CGT
+
FFF
FFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2367:15456:6277_1:N:0:TCTGCAAG+GCTGCACT
GAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA
TGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAAGATTT
TAT
+
FFF
FFF: FFFFFFFF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2349:31937:15499_1:N:0:TCTGCAAG+GCTGCACT
TAAGGGCGGACAATTGTTCCATTGTGAACTCTTGGGGACTAGATTGAGCATTAAATGAGTTCCGAATAA
CTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAAT
CTC

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1445:15989:22764_2:N:0:TCTGCAAG+GCTGCACT
AAATTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGA
TCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGC
+
FFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFFFF:FFFFFFF, FFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2459:31150:5588_2:N:0:TCTGCAAG+GCTGCACT
AGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGT
CGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTAC
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF, , FFF::: FFFFFFFF
@A00721:190:HGJW7DSXY:4:2220:6659:1595_2:N:0:TCTGCAAG+GCTGCACT
TAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACG
GTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCT
+
FF:FFFFFFFFFFFFFF:FFFFFFFFFF
FFFFFFF, FFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1354:5665:33880_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCT
CTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAAC
CAA
+
FF:FFFFFFFFFFFFFF:FFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1363:29351:10332_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG
+
F:, F:FF, FF, , FFFF:FF, F:FF, FFFF:, F:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF
F:F, FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFF, F::FFF:F:FFFFF, FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1260:3061:9204_1:N:0:TCTGCAAG+GCTGCACT
CTTGGTATTTCTGAAATAGTTTATCAGAGCGTCATTTTCCTTTGGGATCTTTCCTCTGGTAAGGGAAT
TATTAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCA
AAA
+
FFFFFFF, F:FFF:FF:FFFF:FFF
FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFF
F:F
@A00721:190:HGJW7DSXY:4:2553:4978:11960_1:N:0:TCTGCAAG+GCTGCACT
CTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTGAAAGGAAAATAATTGGT
GATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCAT
AAG
+
FFF:FFFFFFFFFFFFFFFFF:FFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFF::FFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1502:24542:6073_2:N:0:TCTGCAAG+GCTGCACT
TTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAAACCTATCAGGTTCTTGTACGATTCTTAA
AAGAAGTTTATTAATAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAA

+

:FFFFFFFFFFFFFF:FFF,FFFF:FF
FFF,FFFFFFFFFFFFFF,FF:FFFFFF

@A00721:190:HGJW7DSXY:4:2307:24668:8735_2:N:0:TCTGCAAG+GCTGCACT
GGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAAC
GTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAGATCCTTTGCAC

+

FF
FFFF:FFFFFF:FF

@A00721:190:HGJW7DSXY:4:2144:23095:19006_2:N:0:TCTGCAAG+GCTGCACT
ACGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAAATCTTCTGATGCTGAATTTGAGGAAAAT
TTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGA

+

FF
FFFF:FFFFFF:FF

@A00721:190:HGJW7DSXY:4:2445:1217:11021_1:N:0:TCTGCAAG+GCTGCACT
AACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAG
GTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCTGTTGAC
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2120:12744:36839_1:N:0:TCTGCAAG+GCTGCACT
TGTTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTGACGGACT
TTAGCAACTTTAGATAAATTTCTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGG
TGA

+

FFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2514:13838:30060_2:N:0:TCTGCAAG+GCTGCACT
TATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTACAAAGGCGTTACGTAAA
GTAGTTTTTCACGCTTTATCTTAAAGCATTACCACCAAATTTAGCACTT

+

FF
FFFFFFFFFFFFFF:F:FF:FF
FFFFFFFFFFFF:F,FFFFFFFFFFFFFF:FFFFFFFFFF,FFFF:FFFF

@A00721:190:HGJW7DSXY:4:2608:14687:3129_2:N:0:TCTGCAAG+GCTGCACT
TCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTT
ACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1605:9507:9345_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCT
TTATGAGGTGCTCCATGCAAATTTACAGTTCTCTTTGGTGATATCGC

+

FFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FF,FFFF:FFFF

@A00721:190:HGJW7DSXY:4:1605:9507:9345_1:N:0:TCTGCAAG+GCTGCACT
TTTTGATAAATTTGTTGAATCGATAATGATACTGACGAAGTTCTATTACCACCCTTGTCTTGATA

CAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAA
TCT

+

FF
FFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1510:10737:5337_1:N:0:TCTGCAAG+GCTGCACT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTCGA
TTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGTTTTCTTTTATGGGACTCTTGTTT
GTA

+

FF
FFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2666:22453:6308_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTG
ATGGTATGTTTACATTGCGTGATCACTTCCCGTGGACTTGGAAGAG

+

FF
FFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1330:7184:4100_1:N:0:TCTGCAAG+GCTGCACT
CGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTTCGATGATGTTTCGGGCTGTGGGGATTAACCTCCC
TCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGCCACTT
CTA

+

FF,FFFFFFFF:FF:,F:FF,F,,:FFFF:F:FF:FFF,F,:FFFF,FF,FFF,F,,FFFF:FFFF
FF,F:F,F,FFF:F:F:FFFFFF,FFF:FFFFFF:FF:F,F,FFFFFFFF:F:FFFFFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:2109:28718:36135_1:N:0:TCTGCAAG+GCTGCACT
TCTGTTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACAT
TATTTCAACGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGG
AAT

+

FFFFFFFFFFFF,FFFFFF:FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1545:25337:12524_2:N:0:TCTGCAAG+GCTGCACT
CGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATA
ATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTA

+

FF,FFFFFF
FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1676:1398:20666_1:N:0:TCTGCAAG+GCTGCACT
AAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGTTGAAGAGAAAAGTATGTTTGCAGGCTGA
TCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCAGAGTTACGTAGTG
GTC

+

F,FFF:FFFFFFFF:FF:F:FFF:FF:FFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1561:30373:22905_1:N:0:TCTGCAAG+GCTGCACT
TTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAA
ACTTCGAACTGACCACTTACAAGAGTGTGAGTACCGCAACATGGATCAGTTTTCAAAAAGCTATT
AAT

```

+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1654:18936:23516_1:N:0:TCTGCAAG+GCTGCACT
ACTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAACTGTGTAATGTCC
TACGTACTGTTCAAGGTGTTTGGGCTTCTCTAAAGAACAGCAACTTTCAACATGAATTAGTTATTGAA
AGT
+
FFFFFFFFFFF,FFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2542:25907:1924_1:N:0:TCTGCAAG+GCTGCACT
AACCTTTCTCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAG
TCGATTGATTTTGTTGACTACGATCTCTCTTGTATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGG
TGG
+
FF:FF,FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
F:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2226:27181:14121_2:N:0:TCTGCAAG+GCTGCACT
GCGACTTTTGTGCAATTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCG
AGAAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2452:26946:12336_2:N:0:TCTGCAAG+GCTGCACT
CGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCA
AACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2206:22761:10723_2:N:0:TCTGCAAG+GCTGCACT
CATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTAT
TGATCTCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF:FF::FFFF:F:FFFFFF
@A00721:190:HGJW7DSXY:4:1112:30644:9283_1:N:0:TCTGCAAG+GCTGCACT
TTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAA
AAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGAC
TTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2515:4833:17409_2:N:0:TCTGCAAG+GCTGCACT
TATTACTTTCACTCAAGGTGAAAAGTTTGAAATTAACAAAGTCCTTGTTAAGAGTAAGGTTAAATGTG
AAGATGCTCAGACTATTATCATGAAGTTCAAGGTAATACTTACCAGCAGC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1646:10899:18865_1:N:0:TCTGCAAG+GCTGCACT
ACAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTAA

```

AGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCACGTTTAGCACGGGAGGTT
GCA

+

FFFF:FFFFFF:FF:FFFF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1358:4354:19993_2:N:0:TCTGCAAG+GCTGCACT
TATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGG
ACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGA

+

FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFF:FF:FFFF,FFFFFFFFFFFFFF,FFFFFFFFFFFF,FFF:FFF
FFFFFFFFFFFF, :FFFF, F::FFFF, FFF, FFFF, FFFF, :FFF:F

@A00721:190:HGJW7DSXY:4:2472:2745:1485_1:N:0:TCTGCAAG+GCTGCACT
AACCACCTTAACGTCACTCGGTAATCTTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGCG
ATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTT
TAG

+

FFFFFFFF:F,FF:F
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2639:16432:3051_1:N:0:TCTGCAAG+GCTGCACT
TACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCAACCGGAAAGA
CATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGATCAGTC
TAA

+

:FF
FFF,FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1623:2049:36542_1:N:0:TCTGCAAG+GCTGCACT
ATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTAT
ACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGC
TCA

+

FFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1577:10719:10066_2:N:0:TCTGCAAG+GCTGCACT
CTAAGGTAAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCA
AAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGG

+

FF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2428:10176:18490_1:N:0:TCTGCAAG+GCTGCACT
CAGTGACGATTTCTCCCGGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAA
TCGATTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCT
TAT

+

FFFFFFFFF:FF
FFFFF:FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2505:19895:8202_2:N:0:TCTGCAAG+GCTGCACT
AACTTAGGAGTCCAAGTGAATATTTTTGACACGCCATGAGTATCCATAACGATTAGTCAATTACCACC
ATTGATCAACGACGAAGTGGAACGGCCAACACTTTATTTGGTAATTGT

+

FF,F,,:F,F:,F,,:F,FFFF:F,F,,,FFF,FF,,,::,,F,F:FFFFF,:FF,,,FF,,FFF,FFF
,F,,,FF,F,FFF,FFFFF,FF,FFF,FF,FFFFF,:FFFFFFFFF,,
@A00721:190:HGJW7DSXY:4:1441:10556:33677_1:N:0:TCTGCAAG+GCTGCACT
GATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCA
TTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAAGCG
AAA

+
FF
:FF
FFF

@A00721:190:HGJW7DSXY:4:1369:24144:32315_1:N:0:TCTGCAAG+GCTGCACT
CTTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAG
ATTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAGCTCTTG
CGA

+
FFFFF::FFFFFFFFFFFF::FFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFF:FF:FFFFFFFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:2638:10610:7811_2:N:0:TCTGCAAG+GCTGCACT
ATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATT
CCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACC

+
FFF:FFFFF:F:FFF
FFF:FFFFF

@A00721:190:HGJW7DSXY:4:2260:25500:16877_2:N:0:TCTGCAAG+GCTGCACT
GGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTCCATCCTGTACCTCTT
CTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTT

+
FFF
FFF

@A00721:190:HGJW7DSXY:4:1449:10004:30373_1:N:0:TCTGCAAG+GCTGCACT
ACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTT
GATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTTATTTT
AAA

+
F,F,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF::FFFFFFFFFFFFF:FFFFF:FF,FFFFFF:FFFFF
FFFFFFF,FFFFFFFFF:FFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:1430:23710:36699_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCATCAGCTTGTTTACCTAATCTGTGTTT
TTACGATAACAACCTATCAGTTGATTAAGACTCTTCCGAAAGGCGAACT

+
,FFF
FFF:FFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2336:18240:25254_2:N:0:TCTGCAAG+GCTGCACT
GAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATA
TACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTACGATAT

+
FFF
FFF

@A00721:190:HGJW7DSXY:4:2224:12002:28166_1:N:0:TCTGCAAG+GCTGCACT
AGCGTCTTCTGTTTCATCGCAACCAGATGATATCTTCTATTGCACTTATGTTTCGATCAGTGTTTCTT
CTATCAGGAGGAAAACACTTGTTCTAGTCCTTGTAAGATTAATCCTAACGTAGAAGATTGTTGTTTAC
CAC

[illegible]

@A00721:190:HGJW7DSXY:4:2470:24569:22905_1:N:0:TCTGCAAG+GCTGCACT
CTTGCAAGTACTGGAGTTCAGACGTGTGCTCTTCCGATCTGGCAAACCTTACCCTGATTCCGGCCGG
TGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAA
TTA

+

FF
FFF:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1139:20726:29403_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTAT

+

FFFFF:F:FF
FF

@A00721:190:HGJW7DSXY:4:1101:6587:4758_1:N:0:TCTGCAAG+GCTGCACT
TTACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCCTGCTGCTTGT
TGAGGGTGTCTTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTT
TGG

+

F,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2247:29803:17315_2:N:0:TCTGCAAG+GCTGCACT
GATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTC

+

:FF
FF

@A00721:190:HGJW7DSXY:4:1527:5068:13369_1:N:0:TCTGCAAG+GCTGCACT
GTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCG
AAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCTT
ACC

+

FF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1261:2510:3834_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCTCTTTAATGGCACTACCTCGGTACAATCTTACTTGAACGAAGGCGA
CCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG

+

FF
FF::FFF:F

@A00721:190:HGJW7DSXY:4:1323:7898:20525_2:N:0:TCTGCAAG+GCTGCACT
TCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATC
TGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGGCCTCTCTTC

+

FF
:F:FFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1523:16604:32189_2:N:0:TCTGCAAG+GCTGCACT
AAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTT
CCTTGGATTTTAAATATAAAGAATCTTTACCAGGACTCTACTACAGGA

+

:FF:F,:FFFFFFFFFFFFFFFF:F:FF::FFFFFFFF,FF,:FFFF,F:FFFF,FFF:F:FFFFFF,FF
,FF:F:FFFFFFFFFFFF:FFFFFFFFFFFF::F:F,:FFF,F:FF,F

@A00721:190:HGJW7DSXY:4:2124:27001:31125_2:N:0:TCTGCAAG+GCTGCACT
ACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAAT
TGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAGCCTTCA

+

FFFFFF, :FFFFFFFFFFFFF:F:F,FFFFFFFFFFFFF:FFF,F,:F,FFFF:FFF:F,F,FFFF,:FF
FFFFFF:FF::F:FFF:F,F:FFFF,FFFF:FFFFFFFF,,F:,FF,,F

@A00721:190:HGJW7DSXY:4:1557:11586:11851_2:N:0:TCTGCAAG+GCTGCACT
ACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTG
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2415:3812:11005_1:N:0:TCTGCAAG+GCTGCACT
TTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAG
TATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTTCGTAGAACC
AAG

+

FF:FFFFFFFFFFFFFFFFF,FFFFFFFF:,F:FF
FFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFF::FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1232:16432:30921_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCAACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAT
ATA

+

FF
FFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2544:2718:36824_1:N:0:TCTGCAAG+GCTGCACT
CATAACTTTTGTTACCAAATTCCTGGCTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACG
ATCTCTCGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAAT
GAC

+

FF:FF
FFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2614:32551:10300_2:N:0:TCTGCAAG+GCTGCACT
TTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTCTTA
GCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACG

+

FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFF:FFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2153:9679:31720_1:N:0:TCTGCAAG+GCTGCACT
TAGAATAGATTTAGTCTATACACCCAAATCAACGTGTATAACGCTATTTTCCGTCCTCAACTTAATA
CACTAATAGATCATCCGAAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG
AT

+

FF,F,FF,:FFF,,,,:,F::FF:,,,,,:,F:,F:FF:,,,,,FFF,F,,:F:F,F:,,,FF:F
:::,F,,,F::,FFF,F:FF
FF

@A00721:190:HGJW7DSXY:4:2205:10013:28103_1:N:0:TCTGCAAG+GCTGCACT
CATTTTATAGCAGTTATTTATGTTGTAATTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTT
TTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTATGTACTTATTGTAACGATCA
TTC

[illegible]

@A00721:190:HGJW7DSXY:4:1510:22761:2863_2:N:0:TCTGCAAG+GCTGCACT
ACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGG
AACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAA

@A00721:190:HGJW7DSXY:4:1228:9019:11819_1:N:0:TCTGCAAG+GCTGCACT
TTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCT
CTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTGCTCTTAGTTTGT
CCC

@A00721:190:HGJW7DSXY:4:2252:12500:26365_2:N:0:TCTGCAAG+GCTGCACT
GACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGC
ATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAA

@A00721:190:HGJW7DSXY:4:2636:24153:18239_1:N:0:TCTGCAAG+GCTGCACT
TAAGGGCGGACAATTGTTCCATTGTGAACCTTTGGGGACTAGATTGAGCATTAAATGAGTTCCGAATAA
CTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAAT
CTC

@A00721:190:HGJW7DSXY:4:1458:2121:22294_2:N:0:TCTGCAAG+GCTGCACT
AAATTTTCTCAAGAGATTATGGTTGATAAAGTTTCTTCATAAGGGCTATTACGTACGTCATGGGA
TCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGC

@A00721:190:HGJW7DSXY:4:2459:32190:5447_2:N:0:TCTGCAAG+GCTGCACT
AGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGT
CGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTAC

@A00721:190:HGJW7DSXY:4:2448:5936:19820_2:N:0:TCTGCAAG+GCTGCACT
TAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTACGGACGCCTACG
GTGACTTTATGGACAAGATGCAAGTTCTTGGAATACTTGTTTCCCT

@A00721:190:HGJW7DSXY:4:2345:32805:2942_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCT
CTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAC
CAA

```

+
FFFFFFFF,FFFFFF,:F:FFFFFFFF,FFF,FF:FFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF

```

:FFFF,F:FFFFFF:FF::FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1476:14109:31532_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCTGCTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

+

FFFFFFF:FFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1446:3640:32847_1:N:0:TCTGCAAG+GCTGCACT
CTTGGTATTTCTGAAATAGTTTATCAGAGCGTCATTTTCTTTGGGATCTTTCCTCTGGTAAGGGAAT
TATTAAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTCA
AAA

+

FFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2615:26241:5290_1:N:0:TCTGCAAG+GCTGCACT
CTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTGAAAGGAAAATAATTGGT
GATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCAT
AAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1504:29098:17566_2:N:0:TCTGCAAG+GCTGCACT
TTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCAAACTATCAGGTTCTTGTACGATTCTTAA
AAGAAGTTTATTAACAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2339:14714:20369_2:N:0:TCTGCAAG+GCTGCACT
GGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAAC
GTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCAC

+

FFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:1220:3043:7294_2:N:0:TCTGCAAG+GCTGCACT
CGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATT
TTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAG

+

FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFF:FFFF,FF

@A00721:190:HGJW7DSXY:4:2532:7862:13009_1:N:0:TCTGCAAG+GCTGCACT
AACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAG
GTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCTGTTGAC
GTC

+

FF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2121:13268:1297_1:N:0:TCTGCAAG+GCTGCACT
TGTTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTGACGGACT

TTAGCAACTTTAGATAAATTCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGG
TGA

+

FFFFFFFFFFFF,FFFFFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2634:9625:14841_2:N:0:TCTGCAAG+GCTGCACT
TATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTACAAAGGCGTTACGTAAA
GTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCACTT

+

FFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FF,FFFFFFF,
@A00721:190:HGJW7DSXY:4:2654:21459:14450_2:N:0:TCTGCAAG+GCTGCACT
TCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTT
ACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGT

+

FF
FF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1663:24062:5963_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCT
TTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGC

+

FF
FFFFFFFFFFFFF:FFFFF,F:FFFFFFFFF,FFFFFFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:1663:24062:5963_1:N:0:TCTGCAAG+GCTGCACT
TTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTGATA
CAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTGCTCTTACCTATTTACAA
TCT

+

FF
FF,
FFF
@A00721:190:HGJW7DSXY:4:2170:10936:2581_1:N:0:TCTGCAAG+GCTGCACT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTTCCCTCCCTTTTTTCGA
TTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGTTTTCTTTTATGGGACTCTTGTTT
GTA

+

FFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1532:15953:6136_2:N:0:TCTGCAAG+GCTGCACT
AGTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGA
TGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1464:2609:29747_1:N:0:TCTGCAAG+GCTGCACT
CGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTTCGGGCTGTGGGGATTAACCTCCC
TCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGCCACTT
CTA

+

FFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:

$+$

+

+

+

+

+

+

+

[illegible]

@A00721:190:HGJW7DSXY:4:1109:24912:13197_1:N:0:TCTGCAAG+GCTGCACT
CGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCA
AACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACA
CAT

+

FF
FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1574:7636:23140_2:N:0:TCTGCAAG+GCTGCACT
GTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTACTTCAAC
ATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGT

+

FF
FF:FF

@A00721:190:HGJW7DSXY:4:1502:23041:5791_2:N:0:TCTGCAAG+GCTGCACT
CGGCCGACGTTTGTGCGGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGA
GAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAA

+

FF
FF:FF

@A00721:190:HGJW7DSXY:4:2532:22299:8359_2:N:0:TCTGCAAG+GCTGCACT
TATTACTTTCACTCAAGGTGAAAAGTTTGAAATTAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTG
AAGATGCTCAGACTATTCATGAAGTTCAAGTAATACTTACCAGCAGC

+

FF
FF:FFFFF:F:

@A00721:190:HGJW7DSXY:4:2432:31376:3129_1:N:0:TCTGCAAG+GCTGCACT
CAAACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTAAA
GTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCACGTTTAGCACGGGAGGTTG
CA

+

FF:FF
FF
FF

@A00721:190:HGJW7DSXY:4:2218:5086:7513_2:N:0:TCTGCAAG+GCTGCACT
TATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGG
ACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGA

+

FF:FF
FF

@A00721:190:HGJW7DSXY:4:1120:14760:1501_2:N:0:TCTGCAAG+GCTGCACT
ACCACCTTAACGTCAGTCAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGA
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGA

+

FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2655:16161:11162_1:N:0:TCTGCAAG+GCTGCACT
ACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCACAACGGAAAGAC
ATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGTTCTTGAACGGTGTTTTGATCAGTCT
AA

+

FFFF:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,FF:FF,FFFF:,:FFFFFFFFF:FFFFF,FF
FFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,:FFF
FF

@A00721:190:HGJW7DSXY:4:2375:15130:26725_1:N:0:TCTGCAAG+GCTGCACT
ATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTAT
ACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGC
TCA

+

F:::F,FFFF:FFFF,FFFFFFFFFFFFFFF:FFF:FFFFFFF,FFFFF,FFF:F,FFFF,F,FFFF
FFFFFF:FFF:FFFFFFF:FFFFFFFFF:FFFF,FFFF,F,FFF:FFFFFFFFFFFFF::F:, ,FFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2254:17309:4476_2:N:0:TCTGCAAG+GCTGCACT
CTAAGGTAAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCA
AAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGG

+

FFFFFFFFF:F,FFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFF
FFF:FFFF::FFF:FF:FFFF:F:FFFFFF:FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2555:26928:10050_1:N:0:TCTGCAAG+GCTGCACT
CAGTGACGATTTCTCCCGGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGTTGAAA
TCGATTTTTCGAAGTTGACTAATCTCAAGATTTCTTTGTAAAGCCTATGAGATAAAGATGTATTCT
TAT

+

FF:F:FF,,FFFFFF:F,,F,:F:FFFF,FF:, ,FFFFFF:FFFF,F,F::F:,FFFF:, ,F:,FF
F,FFFFFFF:,FF,FFFFFF,:FFFF,, ,F:FFF,FFFFFFFF:FF,: ,F:F:,FFF,FFF:FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1119:22544:9032_2:N:0:TCTGCAAG+GCTGCACT
TTGGAGTGCCAGTGAATATTTTTGTCACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTTG
CTCAACGACGAAGTGGAACGGCCAACACTTTCTTTGGTAATTGTATGA

+

FFF:FF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF,FFFFFFF

@A00721:190:HGJW7DSXY:4:1135:22200:8187_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCT
GTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGA

+

FFF,FFFFFFFF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2120:10059:32002_1:N:0:TCTGCAAG+GCTGCACT
CTTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAG
ATTCGTTAGTTCTAAAGACTATACTAAATATCTCCACTACGAGTTGTTGTTTGGCGATTAGCTCTTG
CGA

+

FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2673:12418:29763_2:N:0:TCTGCAAG+GCTGCACT
ATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATT
CCGATAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACC

+

FFF,FF,FF:,FFFFFFFFF,:F,F:,FF:F:F::FFF,FFFF,FFFFF,FF:FFFFFFFFFFFFFFFFF
FF,F,FF,FFFF::FFFF:FFFFFFF,FF:FFF:F,,FF::FFFF

@A00721:190:HGJW7DSXY:4:2421:28230:27712_2:N:0:TCTGCAAG+GCTGCACT
GGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTATGGACCTTCCATCCTGTACCTCTT
CTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTT

+

FFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:1528:32859:30718_1:N:0:TCTGCAAG+GCTGCACT
ACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTT
GATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTT
AAA

+

FFFF:FF:FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1539:31665:14027_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTTCCTCATCAGCTTGTGTTTACCTAATCTGTGTTT
TTACGATAACAACATCATGTTGATTAAGACTCTTCCGAAAGGCGAACT

+

FFFFFFFFFFFF,FF
FFFF:FFFFFFFF,FF,FF

@A00721:190:HGJW7DSXY:4:2551:23873:20885_2:N:0:TCTGCAAG+GCTGCACT
GAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATA
TACTCTCCTTGAGTTCACCTCGTAAGGACACTACCCTTATTACGATAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2371:4300:20462_1:N:0:TCTGCAAG+GCTGCACT
AGCGTCTTCTGTTTCATCGCAACCAGATGATATCTTCTATTCTGAACCTTATGTTTCGATCAGTGTCTTCTT
CTATCAGGAGGAAAACACTTGTTCTAGTCCTTGTAAGATTAATCCTAACGTAGAAGATTGTTGTTTAC
CAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1210:12500:16532_1:N:0:TCTGCAAG+GCTGCACT
TCTCTATTTTAAAGTTTTGTCTTCTTGTGTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATT
AAAAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAG
AGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2339:26268:20556_2:N:0:TCTGCAAG+GCTGCACT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCTAATGAAGTTTAAATGCTTAACAACAA
TGATAGTGAATTTATACCTACAATAATTGTTTTTTCTAATAATGATTA

+

FF,F:,F,FFFFFFFF:,,F,FF,F:,:,:FF:F,FFFF,FF,FF,,FF,F,F:FFFF,:FF,FFFF
F,FFF,,FFF,:,,F:F,,,:F,FFF,F,:F,FFFF:FFFFFF,,FF,F

@A00721:190:HGJW7DSXY:4:1166:11080:3145_1:N:0:TCTGCAAG+GCTGCACT
GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTGAGGAGGATTCTCAGTTTACAAGGACCTTAA
GCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAACCATTGTACGATG
TCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1271:7780:17002_1:N:0:TCTGCAAG+GCTGCACT
TCACTTTTCTAAGAATTGTTCTACTTTTGGACAAGTCCAACCTTCGTAATCTTCATGAGATCGTTT
CTTTCTTTATCTCTTTGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGTTTGGTC
GTT

+
:FF,FFFF::FFF,FFFF:F::,,FFFF,F:FFF,,F:FFFFFFFF,FFFFFFFF:FFF
FFF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1571:26124:18897_2:N:0:TCTGCAAG+GCTGCACT
ACCTCTACGCAAAGATATTTTCATGAAAACACAGAGGAACGTACCGGATTACCTGTCTTTCATATTAT
GAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAA
+
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2276:14000:16939_1:N:0:TCTGCAAG+GCTGCACT
ATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTACGTTACGGTAAT
TACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAG
AGC
+
FFFFFFFF:FFFFFF,F:FFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FF
FFF
@A00721:190:HGJW7DSXY:4:2146:22408:32941_2:N:0:TCTGCAAG+GCTGCACT
CACAACCTTTCAGTTTCACAACGAAGGAGGAGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTC
AATAATATACGTCTTGAACCTCACTTATGACGATCTAGAGAAATTAACG
+
FFFFF:F::F,FF,,FF:FF:,F::,FF:F::F,F:F,FFFF::,F:FF,:,,F:FFFF,FFFF,F
FFFFFFFF,F,,F,,FFFF,,F,F:FF:FF,FFFF,,,,FFFF,FF
@A00721:190:HGJW7DSXY:4:2527:7310:8328_1:N:0:TCTGCAAG+GCTGCACT
CTTGACAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGGCAAACCTTACCCTGATTCCGGCCGG
TGAGTCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAA
TTA
+
FF,FFFFFFFF
,FF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1139:20808:27853_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1110:24804:35931_1:N:0:TCTGCAAG+GCTGCACT
TTACCGGTGAAGGCTAAACTCCAAGGTAATTATGAAGACTGTGAGTTATCTTTCCTGCTGCTGCTGCT
TGAGGGTGTCTTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTT
TGG
+
F::FFF,,F,FF,F,F,FF,FF,,F:,F:F,FFFF,FF,,,FFFF,,:F,FF,FFFFFFFFFFFFFF
FFFFFF:F:F,F:F:FFFFFFFFFFFFFFFF,F,FF,FFF:FF,FFF:FFFFFF:FFFFFFFFFFFFFF
FF:
@A00721:190:HGJW7DSXY:4:2359:31024:23156_2:N:0:TCTGCAAG+GCTGCACT
GATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTC
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1677:9977:17143_1:N:0:TCTGCAAG+GCTGCACT
GTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCG

AAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCTT
ACC

+

FF:F
FFF
FFF

@A00721:190:HGJW7DSXY:4:1261:2564:3646_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGA
CCTGTTCCGGAGTTTTTACGGGATCCGGACTGTTCCGGTCTATATTAGG

+

FFFFFFFFF,FF:F
FFF

@A00721:190:HGJW7DSXY:4:1328:21893:21339_2:N:0:TCTGCAAG+GCTGCACT
TCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATC
TGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCCTCTCTTC

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:2110:30987:26036_2:N:0:TCTGCAAG+GCTGCACT
AAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTT
CCTTGGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGA

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:2221:32750:26083_1:N:0:TCTGCAAG+GCTGCACT
ATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACT
CTAAGTGGTAATACTGTCTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGA
CAT

+

FF,FFFF:FF,FFFFFFFFF,FFF
FF,FFF
FFF

@A00721:190:HGJW7DSXY:4:1470:28320:35446_1:N:0:TCTGCAAG+GCTGCACT
CTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTCTTTTTAGGTGGTCTT
TATTCTATTATTGATTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAA
GAG

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1244:26214:2237_2:N:0:TCTGCAAG+GCTGCACT
CCAACCTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAA
GACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAAT

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:1440:7455:36323_2:N:0:TCTGCAAG+GCTGCACT
GATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAAT
GATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAA

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:1568:21612:21042_2:N:0:TCTGCAAG+GCTGCACT
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGACTTTCGTCATAATCGCTGCATATTACGGATTAC

ACGGTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1348:10592:6872_2:N:0:TCTGCAAG+GCTGCACT
TCTAGAATTCTTAATTATAATATTCAACCTCAAAGTTACGTGTTTACAGTAACGAGATCACACATTT
TGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCT
+
FF
FFFF:FF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1602:2645:9298_2:N:0:TCTGCAAG+GCTGCACT
AAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTT
GGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGAC
+
FFFFFF:FF:FFFFFF
FF:FFFFFF
@A00721:190:HGJW7DSXY:4:1445:15456:16454_1:N:0:TCTGCAAG+GCTGCACT
TCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCG
CTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATATCCAGACGACGACGAAGCTTATACAATA
TCC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2124:27136:30921_2:N:0:TCTGCAAG+GCTGCACT
ACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTGCGCATTGTGGTACGAAT
TGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAGCCTTCA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1557:9200:14387_2:N:0:TCTGCAAG+GCTGCACT
ACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTG
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2470:5990:10614_1:N:0:TCTGCAAG+GCTGCACT
TTATTTAGAGATCTTTTCTACTTACAAAGGACAATTGAGTTTCTACGAAAGTCCGGAG
TATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACC
AAG
+
FFFF,F:FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1238:23421:16564_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAT
ATA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2620:9245:30279_1:N:0:TCTGCAAG+GCTGCACT
CATAACTTTTGTTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACG

FF
FFF

@A00721:190:HGJW7DSXY:4:1552:5846:9831_1:N:0:TCTGCAAG+GCTGCACT
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAATGG
TAT

+
FFFF:FFFF:FFF,:FFFFFFFF:FF:FFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1677:21875:22561_1:N:0:TCTGCAAG+GCTGCACT
TTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGG
GCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTT
AGA

+
FF
FF
FF:

@A00721:190:HGJW7DSXY:4:2517:4010:32831_1:N:0:TCTGCAAG+GCTGCACT
TGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTG
TATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTG
GGG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2565:4562:36041_2:N:0:TCTGCAAG+GCTGCACT
CATACCATAACCTACCATGACCAATCATCGTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTA
CCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCG

+
FF
FF

@A00721:190:HGJW7DSXY:4:1318:24316:19053_1:N:0:TCTGCAAG+GCTGCACT
CCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAAC
GGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATC
TCT

+
FFF:FFFFFFFF:FF
FFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1329:23366:30154_2:N:0:TCTGCAAG+GCTGCACT
GCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGG
CCATTTCAAGAGTGGTCAATACGTCGTGGAGGTACTGAAGCCTTCCC

+
FFFFF:FF:FFFFF,FFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFF
FFF::FFF:F,F:FFFFFF:FFFFFFFFFFFFFF:FF:FFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1245:24162:7513_2:N:0:TCTGCAAG+GCTGCACT
CCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACC
AGGAAGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGT

+
FF
FF,FFFF

@A00721:190:HGJW7DSXY:4:1608:31268:35383_2:N:0:TCTGCAAG+GCTGCACT
AGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGAATAAGAAATCTGCA

CGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2333:2672:8343_2:N:0:TCTGCAAG+GCTGCACT
GTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTATGAGCAA
ATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1474:26856:31657_2:N:0:TCTGCAAG+GCTGCACT
GGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTT
TGTC AACGCGCTTTGGAGGATTTATCCGCGCAAGATCGGAAGAGCGT
+
FFFF:FF,FFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1127:10800:22013_2:N:0:TCTGCAAG+GCTGCACT
GAGTCTTGAAGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGA
GGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACT
+
F:FF:FFFFFFFFFFFFFFFF
FF:FFFFFFFF:
@A00721:190:HGJW7DSXY:4:1501:22905:12007_2:N:0:TCTGCAAG+GCTGCACT
TTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTTCACTGGTTC
TGGGAGGCTGCTTCTCCATAATTACAACCTCTCTTTAGAGAGCATT
+
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:F:FFF,FFFFFFFF:FFFFFFFFFFFF,FFFFFFF
FFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:::FF,FFFFFF
@A00721:190:HGJW7DSXY:4:2262:18846:32409_2:N:0:TCTGCAAG+GCTGCACT
AAATTCACATATGGTAGACGTTGTACACTTTTCTTGAAAATTTTCTTCTCCGTCAATTGGGG
ATTTGATGTGAGAAGGTGAAGGTGTCAAGGGTCTTCTTCATGCTGA
+
FF
FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1168:28031:34068_1:N:0:TCTGCAAG+GCTGCACT
TTCAGACGTGTGCTCTTCCGATCTCGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAG
ACGGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGT
CAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2141:27850:29778_2:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCC
AGAAGTTGATGAAGAAGGATTCTTTGAAGCAGGGGTACCACTTCCTA
+
F,FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF
FFF,F,FF:FF,, :FFFFFF:, , FFFFFFF,FFFF:FFFFFFFFF::
@A00721:190:HGJW7DSXY:4:1135:28583:34867_2:N:0:TCTGCAAG+GCTGCACT
TCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGTTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGT
TTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATAT
+
FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF,FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF,F::F:FFF

@A00721:190:HGJW7DSXY:4:2666:26964:3035_2:N:0:TCTGCAAG+GCTGCACT
CTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCTTTTGAGTATCGACAGATCTTT
CGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACTTACCA

@A00721:190:HGJW7DSXY:4:2622:3947:13056_1:N:0:TCTGCAAG+GCTGCACT
TCTTGAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTTTTGATTGGTATGGACTACTCGACT
TTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGA
TTC

@A00721:190:HGJW7DSXY:4:1376:17716:36464_2:N:0:TCTGCAAG+GCTGCACT
GGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATC
GTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTC

@A00721:190:HGJW7DSXY:4:1601:18349:21840_1:N:0:TCTGCAAG+GCTGCACT
AGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTAT
GTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGT
TTT

@A00721:190:HGJW7DSXY:4:2326:32479:33129_2:N:0:TCTGCAAG+GCTGCACT
ACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGG
AACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAA

@A00721:190:HGJW7DSXY:4:1324:28556:3255_1:N:0:TCTGCAAG+GCTGCACT
TTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCT
CTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTAGTTTGT
CCC

@A00721:190:HGJW7DSXY:4:2268:13376:20149_2:N:0:TCTGCAAG+GCTGCACT
GACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGC
ATCACTTGATTACTATATGCCCCAAGGATTGGGTTATTCTCACAACAA

@A00721:190:HGJW7DSXY:4:1159:9254:23030_2:N:0:TCTGCAAG+GCTGCACT
AAGGGCGGACAATTGTTCCATTGTGAACCTCTGGGGACTAGATTGAGCATTAAATGAGTTCCGAATAAC
TCGTAATAAATCTTCTCTAGTGGACAATTCAGAATACCTATTTCCGT

@A00721:190:HGJW7DSXY:4:1339:7798:9956_1:N:0:TCTGCAAG+GCTGCACT
CTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTTCCTCAATAAAAAATTTT
TCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTACGTACGTCATGGGGATCACTTC
TTC

+

FFF:
FF,FF:FFF:
FFF

@A00721:190:HGJW7DSXY:4:1104:9236:1485_1:N:0:TCTGCAAG+GCTGCACT
ACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGAT
TCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAG
CTA

+

FFF:FFF:,F:FFF
FFFF:FFFFFFFFFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2549:12436:16203_2:N:0:TCTGCAAG+GCTGCACT
GTTATGCTCGAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG
ATTCAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGAGATCGGA

+

FFF,FF,FF
FFF

@A00721:190:HGJW7DSXY:4:2622:27371:21778_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCT
CTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAAC
CAA

+

FFFFFFFFFFFFFFFFFFFF,FFF:FFFF
:FFFFFFFFFFFFFFFFFFFF,FFFFF:FFF:FFF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1538:32949:33285_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

+

FFF:FFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1543:29803:31501_1:N:0:TCTGCAAG+GCTGCACT
CTTGGTATTTCTGAAATAGTTTATCAGAGCGTCATTTTCCTTTGGGATCTTTCCTCTGGTAAGGGAAT
TATTAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCA
AAA

+

FFFFFFF:FFF:
FFF:
FFF

@A00721:190:HGJW7DSXY:4:1534:4788:18521_2:N:0:TCTGCAAG+GCTGCACT
TGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACCCTTTTGAAGGAAAATAATTGGTG
ATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTG

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:,FFFFF:FFF:FFFFFFFFFFFFFFFFFFFFF
FFF,FFFFFF,FFF,F,FFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFF:

@A00721:190:HGJW7DSXY:4:1527:24704:12085_2:N:0:TCTGCAAG+GCTGCACT
TTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCAAACTATCAGGTTCTTGTCACGATTCTTAA

AAGAAGTTTATTA AAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAA
+
FFFFFFFFFFFFFFFFFFFF:FFFFF:FF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2458:17761:36824_2:N:0:TCTGCAAG+GCTGCACT
GGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAAC
GTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCAC
+
FFFF,FFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2128:3549:10833_2:N:0:TCTGCAAG+GCTGCACT
CGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATT
TTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAG
+
FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFF
FFFFFFFFFFFF,FFFFF,,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1150:2510:36151_2:N:0:TCTGCAAG+GCTGCACT
ACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGG
TATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAG
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFF
::FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FFFFFFFF,FFF
@A00721:190:HGJW7DSXY:4:2526:24695:9533_1:N:0:TCTGCAAG+GCTGCACT
TGTTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTGCGACGGACT
TTAGCAACTTTAGATAAATTCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGG
TGA
+
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1227:10556:16736_1:N:0:TCTGCAAG+GCTGCACT
TTAGTTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGTTCACTACAAAGCGTTACGTAAAGT
AGTTTTTCACGCTTTATCTTAAAGCATTACCACCAATTTAGCACTTTTTGAATATGACAGAAGCTCGC
CAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1252:14027:28416_2:N:0:TCTGCAAG+GCTGCACT
CCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTT
TACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGAT
+
FFFFFFF:FFFF:FF:FFFF:FFFFFF,,FFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFF:FFFFFF,FF,
FFFF,FFFF:F:FFFFFFFFFFFFFFFFFFFF:F:F,FF::FF,F:FFFF
@A00721:190:HGJW7DSXY:4:1123:6885:18521_1:N:0:TCTGCAAG+GCTGCACT
GCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATT
TACAGTTCCTCTTTGGTGATATCGCCTCTGTCTTTCTCTTTAATCGTGAGGTTACGAGAGTTTCGT
ACT
+
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2121:5900:28494_1:N:0:TCTGCAAG+GCTGCACT
TTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGTTCTATTACCACCCTTGTCATTGATA

CAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAA
TCT

+

FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2212:13819:32189_1:N:0:TCTGCAAG+GCTGCACT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTCGA
TTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGTTTTCTTTATGGGACTCTTGTTT
GTA

+

:FFFFFFFF,FF:F:FFFF
FF,FFFFFFFFFFFFFFFFFFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2430:13114:14090_2:N:0:TCTGCAAG+GCTGCACT
AGTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGA
TGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAAGAGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1558:13675:2566_1:N:0:TCTGCAAG+GCTGCACT
CGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTGCGATGATGTTTCGGGCTGTGGGGATTAAGTTCCC
TCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGCCACTT
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1239:2474:34240_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATT
ATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGA

+

FFFFFFFF:FF
:FFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFF:FFF

@A00721:190:HGJW7DSXY:4:1262:23637:13495_2:N:0:TCTGCAAG+GCTGCACT
CTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCT
GATGAGGACGTTGAAAGGATAATTTCAACTCTGAGACTTCTAAGAGT

+

FFF:FF,
FF,

@A00721:190:HGJW7DSXY:4:2224:5529:3145_2:N:0:TCTGCAAG+GCTGCACT
ACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGAG
AAAACGATATGGTTGCGGCTGATCGTACCCAATTCTGCTAGAAAG

+

FFFFFF:FFFFFF:FFFFFF:FF:FFFF::F:FFFFFFFFFFFFFFFF:FFFFFF:FF:FFF
FFFF:FFFFFFFF:FFF:FFFF::FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2431:13720:28447_1:N:0:TCTGCAAG+GCTGCACT
ATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTGGTGATTTTATCAAAGAGAAAGTTTCT
GCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAAGTACCACTTACAA
GAG

+

FFFF,F:F,:F,FF,FFF,FFFF,,F,,FF,F,FFF,F:F:F:F,F:FFFF:FFF,F,,FF:,FFFF
FFFF:FFF:FFF:F:FF,FFF:F:F,F:F:FFFFFFFFFFFFFFFF,FFFFFFFF:FFF:FFFF:F:
FFF

@A00721:190:HGJW7DSXY:4:2367:3097:35196_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTTTCCAAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAACT
GAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2602:27850:32189_1:N:0:TCTGCAAG+GCTGCACT
AACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATCACCTTGGAGATGGTAAAGTC
ATTAACAAAGGAAATGTAAAGGCTGATGACTTAAATTTGCATTCTGCTTCGACGGTAATTCCATAAG
ACC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2677:32172:24893_1:N:0:TCTGCAAG+GCTGCACT
AACCTTTCCTCGTTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAG
TCGATTGATTTTGTGACTACGATCTCTCTTGTAAATAAGAAAGTTCTTCGCAGTTGAATCTCCACCAGG
TGG

+

FFFFF:F:FFFFFFFF:FFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1140:19822:14121_1:N:0:TCTGCAAG+GCTGCACT
GACTTTTGTGCAATTTTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCGAG
AAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCGCGTATTTGTGAAATTAAGACAGACGTG
AAA

+

FF:FFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1226:29668:25661_1:N:0:TCTGCAAG+GCTGCACT
TCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTATTTTCA
TCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGCTTAT
ACC

+

F:FF:FFFFF::FFF:FFFFFF,FF:FFFFFF:FFFFF:FFFF,FFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1135:30951:29575_1:N:0:TCTGCAAG+GCTGCACT
GTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAAC
GACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCG
CGA

+

FF:FFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1510:25870:31548_2:N:0:TCTGCAAG+GCTGCACT
TACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATG
TCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTAC

+

FF:FFF:FFFFFFFFFFFFFFFF, :FFFFFFFFFFFFFFFF, FFFFFFFF
FFFFFFFF:FF: :FFFF, FF

@A00721:190:HGJW7DSXY:4:2665:31864:18662_2:N:0:TCTGCAAG+GCTGCACT
AATTAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAG

GTAATACTTACCAGCACGTTCGGCTGGTTAGAATTAACCTCAAGATG
+
FFFFF:FFFFFFFF:FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1515:7988:12007_1:N:0:TCTGCAAG+GCTGCACT
AACACATATTACCGTTGCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTAAAGT
TAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCACGTTTAGCACGGGAGGTTGCA
+
FF:F:FF:FF,F:FFFF,F:F:FFFFFF,FF,FFFFFFFF:FF,,:FF,FFFF:FFFF,FFFFFF:FF,
FFFFFF:FFFF,F:FFFFFFFFFFFF:F:FF::FFFFFF:FF:FFF:FFFFFFFF:F:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2243:17336:30389_2:N:0:TCTGCAAG+GCTGCACT
TATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGG
ACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGA
+
FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1253:13792:29418_2:N:0:TCTGCAAG+GCTGCACT
ACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGA
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1343:27597:7670_2:N:0:TCTGCAAG+GCTGCACT
GAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCACAACGGAAAGACATA
TCGCACCCGAAATTTTGGGGCAGAATGCTCTTAACGCGGTTCTTGAAC
+
FFFFF,FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
:FFF:FFFF::FF,,F,FFFFFFFF:FFFFFFFFFFFFFFF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:2629:26377:26819_2:N:0:TCTGCAAG+GCTGCACT
CTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAAC
AATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1468:30653:19351_1:N:0:TCTGCAAG+GCTGCACT
TGACCTATTTTAAGCTCATGGTGAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAG
CATAACCCGCACAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGGACCTATCTTTAA
GGT
+
FF:FFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1143:31684:10989_1:N:0:TCTGCAAG+GCTGCACT
GACGATTTCTCCCGGAAGCTCTTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGA
TTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTGTAAAGCCTATGAGATAAAGATGTATTCTTATT
TAG
+
FF,FFFF:F:FFFF:FFFF,F:FFFF:F:FF:FFFFFFFFFFFFFFFF:FFF,:F,FFFFFFFF:FF
::FFFFFFFF:F,FF,FFFFFFFF:F:FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1161:12599:19742_2:N:0:TCTGCAAG+GCTGCACT
TTGGAGTGCCAGTGAATATTTTGTACGCCAGGAGTATCCATAACTATTTGTCATTTACCACCTTGG
CTCAACGACGAAGTGGAACGGCCAACACTTTCTTTGGTAATTGTATGA
+

```
F:FFF,FFF,:FFFFFFFF,F,FFFFFFFFF,FFFFFFF,FFFFFFF,:FFFF:F::F,FFFFFF:F:  
FFFFFFFFF:FFFF,FFF,,FFFFFF,FFFFF::FFFF,F:,FFF:  
@A00721:190:HGW7DSXY:4:1545:19877:13056_2:N:0:TCTGCAAG+GCTGCACT  
ATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTGGTTGTCTCGTGGGGACGATTCCATTCT  
GTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGA  
  
+  
FFFFFFFF:FFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF,F  
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:  
@A00721:190:HGW7DSXY:4:2206:5104:15468_1:N:0:TCTGCAAG+GCTGCACT  
CTTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAG  
ATTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAGCTCTTG  
CGA  
  
+  
FFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGW7DSXY:4:1375:15573:36573_2:N:0:TCTGCAAG+GCTGCACT  
GAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTAAACGATTCCG  
AGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTT  
  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
F:FF:FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGW7DSXY:4:2421:28257:26850_2:N:0:TCTGCAAG+GCTGCACT  
GGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTATGGACCTTCCATCCTGTACCTCTT  
CTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTT  
  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGW7DSXY:4:1538:29080:27774_1:N:0:TCTGCAAG+GCTGCACT  
ACCAAGATCTAAATTCGGTAACGGTGC GTGGCGCTTTATTTAAAAAGCTCCCTCCTCTCGCAAGTTT  
GATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTT  
AAA  
  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGW7DSXY:4:1574:30798:16532_2:N:0:TCTGCAAG+GCTGCACT  
TTTCTTCTTTGTTTCTTCTTTCGACTGATTTTCTCATCAGCTTGTTTTACCTAATCTGTGTTT  
TTACGATAACAAC TATCAGTTGATTAAGACTCTTCCGAAAGGCCAACT  
  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FF:FFFFF:FFFFFFFFF:FFFFFFFFFFFFF:FFFF:FFFFF  
@A00721:190:HGW7DSXY:4:2618:31259:35055_2:N:0:TCTGCAAG+GCTGCACT  
GAAGCTCAGGGTGAAGCACACGTTTAACCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATA  
TACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTACGATAT  
  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGW7DSXY:4:2572:10691:23923_1:N:0:TCTGCAAG+GCTGCACT  
AGCGTCTTCTGTT CATCGCAACCAGATGATATCTTCTATTGCAACTTATGTTTCGATCAGTGTCTTCT  
CTATCAGGAGGAAAACACTTGTTCTAGTCCTTGTAAGATTAATCCTAACGTAGAAGATTGTTGTTTAC  
CAC  
  
+
```

FF
FFF

@A00721:190:HGJW7DSXY:4:1228:30436:3756_1:N:0:TCTGCAAG+GCTGCACT
TCTCTATTTTAAGTTTTGTCTTCCTTGTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATT
AAAAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCTGAATAGTGATAGCCACCCGCTTACAG
AGG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2411:28763:4554_2:N:0:TCTGCAAG+GCTGCACT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAA
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1204:7229:9565_1:N:0:TCTGCAAG+GCTGCACT
GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTGAGGAGGATTCTCAGTTTACAAGGACCTTAA
GCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAAAACCATTGTACGATG
TCG

+
F:::FFFF:FFF:F:F:,FFFF:FF:F,,FFFF:FF,F,FFFFFFFF:F:F,F,:F:F,:F,:
F:FFFF::FFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FF,FFFFFFFF,FF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1363:6135:11616_1:N:0:TCTGCAAG+GCTGCACT
TCACTTTTCACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTT
CTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTC
GTT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2160:4092:31344_2:N:0:TCTGCAAG+GCTGCACT
ACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTAT
GAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAA

+
FFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
FFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2276:15817:15765_1:N:0:TCTGCAAG+GCTGCACT
ATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTACGTTACGGTAAT
TACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAG
AGC

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2249:16785:34569_2:N:0:TCTGCAAG+GCTGCACT
CACAACCTTTCAGTTTCACAACCTGAAGGAGGAGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTC
AATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACG

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FF:FFFF:FFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFF,FFFFFFF:F::FFFF,F::FFFF

@A00721:190:HGJW7DSXY:4:1175:2302:29590_1:N:0:TCTGCAAG+GCTGCACT
TACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTG

GTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATT
ACA

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1255:8793:36949_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1113:7979:1720_1:N:0:TCTGCAAG+GCTGCACT
TTACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCCTCTGGCCTTGTA
TGAGGGTGTTTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTT
TGG

+

FFFFFFFFFFFFFF:FFFFFFFFFF:FF:FF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF:F:FFFFFFFFFFFFFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2411:19976:10410_2:N:0:TCTGCAAG+GCTGCACT
GATAGCCAATATTGAAGTGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2164:29487:5055_1:N:0:TCTGCAAG+GCTGCACT
GTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCG
AAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAATATTTACAAAATCTT
ACC

+

FF:FF:FFFFFFFFFFFF
FFFFFFFF:FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1261:2582:3646_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCCTCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGA
CCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG

+

FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF,FFFFFFFF:FFFFF,FFF:F,FFF:F:FFFF

@A00721:190:HGJW7DSXY:4:1343:27227:6809_2:N:0:TCTGCAAG+GCTGCACT
TCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATC
TGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGGCCTCTCTTC

+

FF:F:FFFFFFFFFFFFFFFFFFFF
FFF,F:FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2259:31919:8328_2:N:0:TCTGCAAG+GCTGCACT
AAATACTAGATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTT
CCTTGATTTTAAATATAAAGAATCTTTACCAGTACTCTACTACAGGA

+

F:FF:FFFFFFFFFFFFFFFFFFFF
F:FFFFFFFFFFFF:FFFFF:FFFFFFFFFFFF,FFFF:FFFF:FFFF

@A00721:190:HGJW7DSXY:4:2362:31964:34428_1:N:0:TCTGCAAG+GCTGCACT
ATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGTCATCAACTTAGAACTCGAACT

CTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGA
CAT

+

FFF:F:FFFF:FFFFFF:FFFFF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2139:31168:10285_1:N:0:TCTGCAAG+GCTGCACT
CTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTCGTTTTTAGGTGGTCTT
TATTCTATTATTGATTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAA
GAG

+

FFFFFFF:FF,FF:FFFFF::FF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1638:32606:6261_2:N:0:TCTGCAAG+GCTGCACT
CCAACCTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAA
GACTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAAT

+

FF::FFFFFFFFFFFF:FFFFFFFFF
FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1660:10384:24048_2:N:0:TCTGCAAG+GCTGCACT
GATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAAT
GATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1620:23827:21120_2:N:0:TCTGCAAG+GCTGCACT
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGACTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTAT

+

FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1360:8974:22576_2:N:0:TCTGCAAG+GCTGCACT
TCTAGAATTCTTAATTATAATATTCAACCTCAAAGTTACGTGTTTACAGTAACGAGATCACACATTT
TGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCT

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:1663:11460:32831_2:N:0:TCTGCAAG+GCTGCACT
AAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTT
GGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGAC

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:1461:16495:28714_1:N:0:TCTGCAAG+GCTGCACT
TCTTAAAGCTTACCCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCG
CTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATATCCAGACGACGACGAAGCTTATACAATA
TCC

+

FFFFFFF:FFF
FFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2130:19180:16736_2:N:0:TCTGCAAG+GCTGCACT
ACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAAT

$+$

@A00721:190:HGJW7DSXY:4:2269:31675:3082_2:N:0:TCTGCAAG+GCTGCACT
ACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTG
CAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTT

+

@A00721:190:HGJW7DSXY:4:2657:13268:28291_1:N:0:TCTGCAAG+GCTGCACT
TTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCTAGTTTCATTAATTCTACGGAAAAGTCCGGAG
TATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACC
AAG

+

@A00721:190:HGJW7DSXY:4:1303:9001:16203_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAT
ATA

+

@A00721:190:HGJW7DSXY:4:2503:7193:4648_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTTTGTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAAACGA
TCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATG
AC

+

@A00721:190:HGJW7DSXY:4:1316:31882:32315_2:N:0:TCTGCAAG+GCTGCACT
TCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAG
CTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGA

+

@A00721:190:HGJW7DSXY:4:2676:18792:8860_1:N:0:TCTGCAAG+GCTGCACT
TATAATAGTTTTAGTCTCTACCCCATCTCAACGAGGATAAAGCGTGTTCCTGCTCCTGAACGTAATA
CACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG
AT

+

@A00721:190:HGJW7DSXY:4:2339:32768:8484_1:N:0:TCTGCAAG+GCTGCACT
CATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTT
TTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTATGTACTTATTGTAACGATCA
TTC

+

FF
FFF

@A00721:190:HGJW7DSXY:4:2547:5882:6856_1:N:0:TCTGCAAG+GCTGCACT
TTCTTTTATTCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATT
TAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAG
CTC

+
FFF::FFF,FFFF:F:FFFFFF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF, F
FFFFFFFFFFFFFFFFFFFFFFFF:F:FF
F:F

@A00721:190:HGJW7DSXY:4:1551:16179:30796_2:N:0:TCTGCAAG+GCTGCACT
TATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAATTCC
TTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTT

+
FFFFFFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF
,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2134:21079:30608_2:N:0:TCTGCAAG+GCTGCACT
AACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTCAATAAGATGT
ATGATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATACTTG

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FF:FF:FFFFFFFFFFFFFFFF:FFFF:FFF::FFFFFFFF

@A00721:190:HGJW7DSXY:4:2572:17300:19210_1:N:0:TCTGCAAG+GCTGCACT
GGCTTGCTATTTACCGCAAAAAGTTGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATA
GCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACC
GGT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1660:7780:35947_1:N:0:TCTGCAAG+GCTGCACT
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAATGG
TAT

+
FFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF, ,FFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2534:17978:2284_1:N:0:TCTGCAAG+GCTGCACT
TTACAAATAGAACCTTCACTCTCGTAATGAGAGTGATTCCTTAATATTCTAGTAACCGCTATGTGG
GCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTT
AGA

+
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1304:15438:29136_1:N:0:TCTGCAAG+GCTGCACT
GTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGT
ATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGG
GG

+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

FF
FFF
@A00721:190:HGJW7DSXY:4:2262:21206:31328_2:N:0:TCTGCAAG+GCTGCACT
AAATTCCCACATATGGTAGACGTGTGCACACTTTTCTTGAAAATTTTTCTTTTCCTCCGTCATTGGGG
ATTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGA
+
FFF,:FFFF
FFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1561:10529:6480_1:N:0:TCTGCAAG+GCTGCACT
TTCAGACGTGTGCTCTTCCGATCTCGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAG
ACGGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGT
CAG
+
FFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2313:19425:17378_2:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCC
AGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTA
+
F:F:FF:FFFFFFFFFFFFFFFF,FFFF:FFFFFFFF:FF:FFFFFFFFFFFFFFFF::FFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF::FFFFF:,::FFF::FF::F:FF
@A00721:190:HGJW7DSXY:4:2161:27353:19147_2:N:0:TCTGCAAG+GCTGCACT
TCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGTTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGT
TTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATAT
+
FFFFFFFFFFFF,FF
FF
@A00721:190:HGJW7DSXY:4:1319:18304:15436_2:N:0:TCTGCAAG+GCTGCACT
AATGTCAATTAGTGCCTTACGATTGAAAGAGGTCTTTTTGAGTATCGACAGATCTTTCGATCTTGAGGA
CGTACATTTAACGTGGCAGAATTCGGTAAGTACCATATTGTTCTCTTC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1165:1850:5259_1:N:0:TCTGCAAG+GCTGCACT
ATTTAACTTTGACTCAACTACTCCGATCAGATCCGATGTTTGATTGGTATGGACTACTCGACTTTT
GATCTGGAGTTGTCTAGGGTTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTC
TGT
+
FFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1577:17635:7138_2:N:0:TCTGCAAG+GCTGCACT
GAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCGT
ACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1122:12310:25535_1:N:0:TCTGCAAG+GCTGCACT
TATCTTGAATGCTCACGCCGTCGAGCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGAT
Ttagtgatttagatattattgatattggaggcgatatcgttttcatatccaaaactccttgaatgga
gta
+

@A00721:190:HGJW7DSXY:4:1175:17074:13933_1:N:0:TCTGCAAG+GCTGCACT
ACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTAC
TCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGA
TTG

@A00721:190:HGJW7DSXY:4:1269:20148:13307_2:N:0:TCTGCAAG+GCTGCACT
CTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTTTGATGATGTAGCCACTATAATGCTTAAGA
GAGAGATTGATGTATGTCATTTCTGTTAGTTTGTCCCGGCGAATTAT

@A00721:190:HGJW7DSXY:4:1209:19877:26772_2:N:0:TCTGCAAG+GCTGCACT
AAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGA
TTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAAGAT

@A00721:190:HGJW7DSXY:4:1177:20428:27445_2:N:0:TCTGCAAG+GCTGCACT
AAGGGCGGACAATTGTTCCATTGTGAACCTTTGGGGACTAGATTGAGCATTAAATGAGTTCCGAATAAC
TCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGT

@A00721:190:HGJW7DSXY:4:1404:14805:11913_1:N:0:TCTGCAAG+GCTGCACT
CTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGTTTCGTTCTCAATAAAAAATTTT
TCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTC
TTC

@A00721:190:HGJW7DSXY:4:1509:6813:32863_1:N:0:TCTGCAAG+GCTGCACT
ACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGAT
TCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAG
CTA

@A00721:190:HGJW7DSXY:4:2621:5927:18928_2:N:0:TCTGCAAG+GCTGCACT
GTTATGCTCGAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG
ATTCAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGAGATCGGA

@A00721:190:HGJW7DSXY:4:1109:31421:6214_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATATGACAACGAATATTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAACCA
AGT

+
FFFFF,FF:F,FFFFFF::FF:,FFFFFFFFF:FFF:FFFF,FFFF,FF:FFFF:F:F:F:FF:F
FFFF:FFFFFFFFFFFF,FF:FFF:FFFF,FFFFFFFFFFFFFFFFFF:FF:FFFFFFFF:FFFF:FF
F:F
@A00721:190:HGJW7DSXY:4:1570:3477:12117_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAGTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG
+
FF
FF,FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2101:18927:13886_1:N:0:TCTGCAAG+GCTGCACT
CTTGGTATTTCTGAAATAGTTTATCAGAGCGTCATTTTCCTTTGGGATCTTTCCTCTGGTAAGGGAAT
TATTAAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCA
AAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1308:28384:1924_2:N:0:TCTGCAAG+GCTGCACT
TTTCTACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTTGAAGGAAAATAATTGGTGATGAAA
ATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTC
+
FFFFFFFFFFFFFFFFFFFFFF,F,F:FFF:FFF,F:FFFFFF:,FFFF:FFFF:FF:,FF,,F:,FF
F::,FF:F:F,FF:FFFFFF:F,FFFF:F:F:FF,,FFF:,FFFFFF,
@A00721:190:HGJW7DSXY:4:1533:29613:29356_2:N:0:TCTGCAAG+GCTGCACT
TTTGGTCTTACGTCTTAAGTAATTTGGATGTTGTGCAAACTATCAGGTTCTTGTCACGATTCTTAA
AAGAAGTTTATTAACAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAA
+
:FFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2570:14588:29700_2:N:0:TCTGCAAG+GCTGCACT
GGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAAC
GTCTACAACGAGTTAGGGGGTGGCTAGGTTTTAAAGATCCTTTGCAC
+
FFFF,:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFF::FFFF:FFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2246:9579:2268_2:N:0:TCTGCAAG+GCTGCACT
CGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATT
TTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAG
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FF:,FFFF:FFFFFFFF,FFFF:::FFFFFFFF,
F:FF:FFFF,:FFFF:FFFFFF,,FF,FF,FFFF:F,FFFF:F
@A00721:190:HGJW7DSXY:4:1150:2519:36198_2:N:0:TCTGCAAG+GCTGCACT
ACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGG
TATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAG
+
FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1211:21151:10316_2:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTGACGGAAGTTAGCA
ACTTTAGATAAATTCTTCCGGGCTCAATGACCTTTGCTATGTACGTG
+

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF:F:F:FF,FFFF:F
F:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1227:12156:15186_1:N:0:TCTGCAAG+GCTGCACT
TTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTACAAAGGCGTTACGTAAAGT
AGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCACTTTTTGAATATGACAGAAGCTCGC
CAT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1516:23240:23390_2:N:0:TCTGCAAG+GCTGCACT
CCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTACCTTTTGGAGGTCCAGGAACCTT
TACTCCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
FFFFF:,FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2461:21278:8750_1:N:0:TCTGCAAG+GCTGCACT
GCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATT
TACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGT
ACT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2257:23637:32002_1:N:0:TCTGCAAG+GCTGCACT
TTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTGATA
CAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTGCTCTTACCTATTTACAA
TCT
+
FFFFFFFFFFFFFFFF: :FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2236:31105:9236_1:N:0:TCTGCAAG+GCTGCACT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTTCCCTCCCTTTTTCGA
TTGGATTGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGTTTTCTTTTATGGGACTCTTGTTT
GTA
+
FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1270:18177:15374_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTGAT
GGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGAT
+
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFF:
@A00721:190:HGJW7DSXY:4:2511:22182:25942_1:N:0:TCTGCAAG+GCTGCACT
CGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTTCGGGCTGTGGGGATTAACCTCCC
TCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGCCACTT
CTA
+
F:FFFFFF:::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF:F
FFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF,FFFFFFFF
FFF

$+$

@A00721:190:HGJW7DSXY:4:1355:27082:23782_2:N:0:TCTGCAAG+GCTGCACT
CTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCT
GATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGT

 $+$

@A00721:190:HGJW7DSXY:4:2237:26847:29387_2:N:0:TCTGCAAG+GCTGCACT
ACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAG
AAAACTGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAG

+

@A00721:190:HGJW7DSXY:4:2618:3604:5384_1:N:0:TCTGCAAG+GCTGCACT
ATACCACTGATCTTCCAGAGTTACGTAGTGTCGTTCTTTGGTGATTTTATCAAAGAGAAAGTTTCT
GCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACCACTTACAA
GAG

+

@A00721:190:HGJW7DSXY:4:2367:3622:35352_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGCTATAATACCGCCTCCAGATTACTCAAACCT
GAATCAACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTT

+

@A00721:190:HGJW7DSXY:4:2602:28339:32064_1:N:0:TCTGCAAG+GCTGCACT
AACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATCACCTTGGAGATGGTAAAGTC
ATTAACAAAGGAAATGTTAAGGCTGATGACTTAAATTTGCACTTCTGCTTCGACGGTAATTCCATAAG
ACC

+

@A00721:190:HGJW7DSXY:4:1324:29803:28839_1:N:0:TCTGCAAG+GCTGCACT
AGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTGAGTTATTCTTGCGAAGGTTCAAGTCGAT
TGATTTTGTGACTACGATCTCTCTTGAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAG
GGA

+

@A00721:190:HGJW7DSXY:4:1242:13214:3490_1:N:0:TCTGCAAG+GCTGCACT
GACTTTTGTGCAATTTTCGCAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCGAG
AAGAGATAGTGACTAAAGTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTG
AAA

+

.....

@A00721:190:HGJW7DSXY:4:1305:9019:33395_1:N:0:TCTGCAAG+GCTGCACT
TCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCA
TCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGCTTAT
ACC

@A00721:190:HGJW7DSXY:4:1470:27263:3552_1:N:0:TCTGCAAG+GCTGCACT
GTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAAC
GACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTG
CGA

@A00721:190:HGJW7DSXY:4:1620:9091:11162_2:N:0:TCTGCAAG+GCTGCACT
TACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATG
TCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTTAC

@A00721:190:HGJW7DSXY:4:1220:18511:19648_2:N:0:TCTGCAAG+GCTGCACT
CAAAGTCCTTGGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTTCATGAAGTTCAAGGTAATA
CTTACCAGCACGTTCGGCTGGTTAGAATTAAACCTCAAGATGACCCCTG

@A00721:190:HGJW7DSXY:4:1270:21278:4053_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTAAAGTTAAACGA
TGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAA
CCC

@A00721:190:HGJW7DSXY:4:1344:1434:30373_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGG
ATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTTGAACACCTTAACGTCAC
TCG

@A00721:190:HGJW7DSXY:4:2163:8974:22514_2:N:0:TCTGCAAG+GCTGCACT
TGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTG
AGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTGAGATCGGAAGA

@A00721:190:HGJW7DSXY:4:2319:1298:23563_2:N:0:TCTGCAAG+GCTGCACT
GAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTCACACGGAAAGACATA

TCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2653:31060:12978_2:N:0:TCTGCAAG+GCTGCACT
CTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAAC
AATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAAT
+
FFFFFFF:FF:FFFFF
FFFF:FF
@A00721:190:HGJW7DSXY:4:1570:15420:30326_1:N:0:TCTGCAAG+GCTGCACT
TGACCTATTTTAAAGCTCATGGTGAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAG
CATAACCCCGCACAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGGACCTATCTTTAA
GGT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1143:32117:13338_1:N:0:TCTGCAAG+GCTGCACT
GACGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGA
TTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATT
TAG
+
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFFFFF::FF
FFF
@A00721:190:HGJW7DSXY:4:1223:11586:12665_2:N:0:TCTGCAAG+GCTGCACT
TTGGAGTGCCAGTGAATATTTTGTACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTTG
CTCAACGACGAAGTGGAACGGCCAACACTTTCTTTGGTAATTGTATGA
+
:FFFFFFFFF:FFFFFFFFFFFFFFF:FF
:FFFFFFFFFFFF:FF:FFFFFFF:F
@A00721:190:HGJW7DSXY:4:1549:9173:23171_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTGGTTGTCGCTGGGACGATTCCATTCT
GTTTTCATAGACTCCAATAACTGATCATTCTGATCATATGATTTTGA
+
FF
FF:FFFF,,:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1261:15483:19633_1:N:0:TCTGCAAG+GCTGCACT
CTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAGA
TTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGCGATTAGCTCTTGC
GA
+
FFFFFFFFFFFF::F,FFFFFF:FF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFF:,FFFFF
,FFFFFFFFF:FFFF:FFF:FFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFF::FFFFF:
FF
@A00721:190:HGJW7DSXY:4:1462:26042:11992_2:N:0:TCTGCAAG+GCTGCACT
GAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCG
AGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2508:19153:35289_2:N:0:TCTGCAAG+GCTGCACT
GGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTGATGACCTTCCATCCTGTACCTCTT

$+$

@A00721:190:HGJW7DSXY:4:1559:27914:9815_1:N:0:TCTGCAAG+GCTGCACT
ACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTT
GATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTT
AAA

+

@A00721:190:HGJW7DSXY:4:1611:26883:33144_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTTTGTTTCCTTCTTGCAGTATTTTCTCATCAGCTTGTTTACCTAATCTGTGTTT
TTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGCCAACT

+

@A00721:190:HGJW7DSXY:4:1233:7925:7764_1:N:0:TCTGCAAG+GCTGCACT
AGCTCAGGGTGAAGCACACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATA
CTCTCCTTGAGTTCACCTCGTAAGGACACTACCACCTTATTACGATATTTCTTTAGTCGATGGGTTTTCG
ACT

+

@A00721:190:HGJW7DSXY:4:1441:27055:31782_1:N:0:TCTGCAAG+GCTGCACT
TCTCTATTTTAAGTTTTGTCTTCCTTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATT
AAAAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAG
AGG

+

@A00721:190:HGJW7DSXY:4:2603:2510:15421_2:N:0:TCTGCAAG+GCTGCACT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCAATGAAGTTTTAATGCTTAACAACAA
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGA

+

@A00721:190:HGJW7DSXY:4:1270:26811:6590_1:N:0:TCTGCAAG+GCTGCACT
GTGACTGGAGTTCTAGACGTGTGCTCTTCCGATCTGTCTAGGGAGGATTCTCAGTTTACAAGGACCTTAA
GCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTAAACCATTTGTACGATG
TCG

+

@A00721:190:HGJW7DSXY:4:1553:5005:17832_1:N:0:TCTGCAAG+GCTGCACT
TCACTTTTCACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTT
CTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTC
GTT

+

[illegible]

FFF:FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:2615:25545:8625_2:N:0:TCTGCAAG+GCTGCACT
ACCTCTACGCAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTAT
GAATGAACCTTCGGCCGCTCTCTTTCGCTTCGATGTTGGATGTCAAGAA
+
FFF
FF
@A00721:190:HGJW7DSXY:4:2313:18493:35556_1:N:0:TCTGCAAG+GCTGCACT
ATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAAT
TACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAG
AGC
+
F,FFFF::FFFF:FFFF:FFFFFFFF:FFFFFFFF:FF:FFF,FFF,FFFFFFFFFFFFFFFF::F
FFFFFF,F:FFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2609:3287:11757_2:N:0:TCTGCAAG+GCTGCACT
CACAACCTTCAGTTTCACAACGAAGGAGGAGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTC
AATAATATACGTCTTGAACCTACTTATGACGATCTAGTGAAATTAACG
+
FF:FFFFFFFFFFFFFFFF:FFF:FF,FFFFFFFFFFFF
FF,FFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:1227:16785:16877_1:N:0:TCTGCAAG+GCTGCACT
TACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTG
GTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATT
ACA
+
FFF,F
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1348:17616:33379_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTAT
+
FFFFFFFFF:FF:FFFFF
FF,FF
@A00721:190:HGJW7DSXY:4:1147:10610:32675_1:N:0:TCTGCAAG+GCTGCACT
TTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCCTCTGGCCTTGTA
TGAGGGTGTCTTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTT
TGG
+
FFFFFFFFFFFF,FFF:FFF::F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFF:FFFFFFF
FFFFFFFFFFFF,F:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2423:29288:19774_2:N:0:TCTGCAAG+GCTGCACT
GATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTT
ATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTC
+
,FFFFFFFFFFFF:FFFF:FFFF:FF:FFFFF,FFFFFFFFF:FFF,F::FFF,FFFF,FFF
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFF,F:, ,FFFF:FFFF:FF
@A00721:190:HGJW7DSXY:4:2453:4110:5321_1:N:0:TCTGCAAG+GCTGCACT
GTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCG
AAAAGTCTCTTCTAAAAGGAACGTCAAGTCTAACCCTAAAGAGAATATCTAAAATATTTACAAAATCTT
ACC

+
FF:FFF,F:F,FF:FFF::FFFFFF,FF,FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:1350:5810:36229_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGA
CCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG
+
FFF:FFFFFFFFFFFFFFFF:FFFF,FF:F:FFFFFFFFFFFFFF,FFFFFFFFFF,FFF:FFFFFF::FF
F,FFFFFFFFFFFFFFFF:FFFF::F:FF:FF:FF::F:F:FFFFFFFF:
@A00721:190:HGJW7DSXY:4:1372:3323:26788_2:N:0:TCTGCAAG+GCTGCACT
TCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATC
TGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGGCCTCTCTTC
+
FF:FFFF:FFFFFFFFFFFFFFFF:
FF
@A00721:190:HGJW7DSXY:4:1147:21088:21856_2:N:0:TCTGCAAG+GCTGCACT
ATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTGGATT
TTAATATAAAGAATCTTTACCAGGACTCTACTACAGGAGGCAGTCTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1243:26060:18474_1:N:0:TCTGCAAG+GCTGCACT
ATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCTAAGTGGAATACTGTCTTTCCAAGCTT
ACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCGTAAGGAA
GAT
+
FF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:F
FFFFFFFFFFFF:F:FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2233:14588:19961_1:N:0:TCTGCAAG+GCTGCACT
CTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTCTTTTTAGGTGGTCTT
TATTCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAA
GAG
+
FFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1658:18530:33144_2:N:0:TCTGCAAG+GCTGCACT
CCAACCTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAA
GACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAAT
+
FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFF,:FFFFFFFF
FF:FFF,FFFF,FFFF:FF
@A00721:190:HGJW7DSXY:4:2348:27100:6151_2:N:0:TCTGCAAG+GCTGCACT
GATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAAT
GATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCCAGCAA
+
FFFFFFFFFFFFFFFFFFFFFFFF::F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF,FF
F:FFF:FF:FFFFF
@A00721:190:HGJW7DSXY:4:1651:20654:36479_2:N:0:TCTGCAAG+GCTGCACT
TCCTCAGGAGTCCCGCATTTGATAATAATGACGACTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTAT
+

```

FFFFF, FFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2302:18123:34695_2:N:0:TCTGCAAG+GCTGCACT
TCTAGAATTCTTAATTATAATATTCAACCTCAAAGTTACGTGTTTACAGTAACGAGATCACACATTT
TGAGAACTAACTATGTTATGTTCTCTGATCATTTTTGACAATCTCTTCT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFF: FFFFF: FFFFFF: F
FFFFFFFFFFF, FFF: FFF: FFFFFFFFFFFFFFFFFF: FF: FFFFFFFFF: FF: F
@A00721:190:HGJW7DSXY:4:1663:12029:33066_2:N:0:TCTGCAAG+GCTGCACT
AAATAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTTCGAGTGCTGCTTT
GGATTACGATGACGTGAGAAATAGGTGAAGGATAGTTTTTACCTCGAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2152:6460:4695_1:N:0:TCTGCAAG+GCTGCACT
TCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCG
CTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATATCCAGACGACGACGAAGCTTATACAATA
TCC
+
FFF: FFFFFFF: FFF: FFFFFFF: FF: F: : FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:
@A00721:190:HGJW7DSXY:4:2207:4399:18787_2:N:0:TCTGCAAG+GCTGCACT
ACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAAT
TGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAGCCTTCA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2302:25816:18709_2:N:0:TCTGCAAG+GCTGCACT
ACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTGCTTTAAAGACTG
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTT
+
FFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1143:20971:2707_1:N:0:TCTGCAAG+GCTGCACT
CTTGCAAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGAAAAGTCCGAGTATATTGTATGTT
AATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTTCGTAGAACCAAGTACTTTCCGT
CTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1374:16884:8469_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCAACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAT
ATA
+
FFFFFFFFFFF: FF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFF
: FFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1202:20076:31156_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTTTGTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGA
TCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGGAACAACCTTTACTTAGAATG
ACT

```

[illegible]

@A00721:190:HGJW7DSXY:4:1222:1108:8390_2:N:0:TCTGCAAG+GCTGCACT
CATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAAC
GATTCTTCGACTATATTAAAGAAATAAAAAATACTTCAAGTACCTGAAC

+

FFFFFFFFFFFFFF:FFFFFF,FF::FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:F:FFF:FF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1427:9634:31673_1:N:0:TCTGCAAG+GCTGCACT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTCTTAATATTCTA
GTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAA
TGC

+

FFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1614:20943:27398_2:N:0:TCTGCAAG+GCTGCACT
AAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGA

+

FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2403:32452:2206_2:N:0:TCTGCAAG+GCTGCACT
ATACCATAACCTACCATGACCAATCATCGCTCCAAGTGGCACGCCAGACGTAGGGTCAAACCTACTAC
CGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGC

+

FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2132:10104:25034_1:N:0:TCTGCAAG+GCTGCACT
CCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAAC
GGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTGCTCGTAACATTGACGGCAGTCCCGTCATC
TCT

+

FFF,FFF,,FFFFFF,F,FFFFFF:FFF,FFFF:FFFFF,,FFFFFFFFFFFFFFFF:FFFF,:F
FFFFFFFF:FFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1440:2175:21543_2:N:0:TCTGCAAG+GCTGCACT
GCAGTACCTCAGTCAAAAGTCACATTCACTCCCATACCAATCAATGATGTGACTATACAGTTCGG
CCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCC

+

FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2505:25220:3114_2:N:0:TCTGCAAG+GCTGCACT
CCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACC
AGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2258:32334:22232_2:N:0:TCTGCAAG+GCTGCACT
AGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCA
CGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGCGGCTTGGGTC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2515:3278:2566_1:N:0:TCTGCAAG+GCTGCACT
GTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTATGAGCAA

ATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCA
GT

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:1165:29017:29105_2:N:0:TCTGCAAG+GCTGCACT
CGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTT
TGGAGGATTTTATCCGCGCTTAACATATGGGGCGAAGATCCCTATGGA

+

FF:
FFFFFFFFFFFF:FF:

@A00721:190:HGJW7DSXY:4:1276:31801:32550_2:N:0:TCTGCAAG+GCTGCACT
TTGGCATATTTATGCCGACGATAATAAGCATGTACCCCTTAAGCACCGAGGTAAGCTCGGGACTTACA
AGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2306:22697:28714_2:N:0:TCTGCAAG+GCTGCACT
TCCTCCATAATTACAACCTCTATTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTA
GACGTTGTCACACTTTTCTTGAAAATGTTTCATTTCTCCGTCATTGG

+

FF,FFFFFF:F,F:FF,FF:F,,,,,:FFFF:FFFFFFFF:,,,F,FF:F:::F:FFF,F:F,,:
FFF,,FF:FFFF:,F:F,,,FFF:,,,FFF,FFF::,FFF,:F::,

@A00721:190:HGJW7DSXY:4:2316:12735:34131_2:N:0:TCTGCAAG+GCTGCACT
AAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAG
TTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGA

+

:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFF:FFFF:FFFFFFFF,FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1345:6126:18051_1:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGA
GAAGGCTCTAGAGAAGATCTCACACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT

+

FFFF::,FFFF:FFFF,:FFFF:FFFF,FFFFFFFFFFFF:FFFFFFFF:FF,FFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1377:24505:23202_2:N:0:TCTGCAAG+GCTGCACT
GTTACCACTTCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGG
GTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATT

+

FFFFFFFFFFFF:FFFF:FFF,FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1212:4490:27461_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTGAGTATC
GACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCCGTAACCTACCATATTGTTCC
TTC

+

F:FF:
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1510:8766:9408_1:N:0:TCTGCAAG+GCTGCACT
ATTTAACTTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTT

@A00721:190:HGJW7DSXY:4:2135:27688:27336_1:N:0:TCTGCAAG+GCTGCACT
ACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGAT
TCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAG
CTA

+

FF
FFFFFFF,FFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1103:24985:34178_1:N:0:TCTGCAAG+GCTGCACT
TCGCAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGG
ACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGAATACTTGTTTCCCTTTTTAGGTTTA
GTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1109:31882:6511_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTGACAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCT
AAATCTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
AGT

+

FFFFFFF:FFF
FFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1615:8043:4241_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACAGCTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2265:26006:24424_1:N:0:TCTGCAAG+GCTGCACT
CTTGGTATTTCTGAAATAGTTTATCAGAGCGTCATTTTCTTTGGGATCTTTCCTCTGGTAAGGGAAT
TATTAAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCA
AAA

+

FFFFFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1443:25355:9549_2:N:0:TCTGCAAG+GCTGCACT
TTTCCTACAGAGTGCAGTCGTTTCAACACATATCACCACAATTGAAAGGGAAATAATTGGTGTTGAAA
ATACGTATGTAGGTGGGGTTATCAAGGCTCTCAACGCCACAGGGATTC

+

:F,FFFFFFFF,FFFFFFF:F,:FFFF,FF,FF,,,FF:F,,,,,:FFF,,, :FFFF:,F,FF,:::F,
FF,:::F,F,,FF,:::FFF,,F,F,:F:F,:,,,,,:,,:FF,F,

@A00721:190:HGJW7DSXY:4:1674:31747:5744_2:N:0:TCTGCAAG+GCTGCACT
TTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCAAACTATCAGGTTCTTGTCACGATTCTTAA
AAGAAGTTTATTAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAA

+

FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFF,FF:F

@A00721:190:HGJW7DSXY:4:2570:16043:28808_2:N:0:TCTGCAAG+GCTGCACT
GGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAAC

GTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAGATCCTTTGCAC
+
FF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFF
@A00721:190:HGJW7DSXY:4:2475:5945:36714_2:N:0:TCTGCAAG+GCTGCACT
CGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATT
TTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAG
+
FF,FFFFFFFFFFFF:
FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1150:3549:36354_2:N:0:TCTGCAAG+GCTGCACT
ACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGG
TATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAG
+
FFF:
FF
@A00721:190:HGJW7DSXY:4:1350:28094:27289_2:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGGACTTTAGCA
ACTTTAGATAAATTCTTTCCGGGCTCAATGACCTTTGCTATGTACGTG
+
FFF
FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1311:23981:15969_1:N:0:TCTGCAAG+GCTGCACT
TTAGTTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTACAAAGGCGTTACGTAAAGT
AGTTTTTCACGCTTTATCTTAAAGCATTACCACCAAATTTAGCACTTTTTGAATATGACAGAAGCTCGC
CAT
+
F,FFF
FFFFFFFFFFFFFFFF:F:FF
FFF
@A00721:190:HGJW7DSXY:4:1636:22336:3035_2:N:0:TCTGCAAG+GCTGCACT
CCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTT
TACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGAT
+
F,FFFFFFFF:FFFFFFFF:FFF:FF,FFF,:FFF:FFFFFFFF:FF,:F,:FF:F,FF,FFF:FFFF:F
FF:FF:FFFFFFFF:FF:FFF:FFFFFFFF:FFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2657:15872:19680_1:N:0:TCTGCAAG+GCTGCACT
GCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATT
TACAGTTCCTCTTTGGTGATATCGCCTCTGTCTTTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGT
ACT
+
FFF
FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2438:3323:32863_1:N:0:TCTGCAAG+GCTGCACT
TTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCAATTGATA
CAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAA
TCT
+
FF:FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2533:13810:29825_1:N:0:TCTGCAAG+GCTGCACT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTTCCCTCCCCTTTTTCGA

TTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGTTTTTCTTTTATGGGACTCTTGTTT
GTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1405:5276:27195_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGAT
GGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2641:4255:29089_1:N:0:TCTGCAAG+GCTGCACT
CGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTGCGATGATGTTTCGGGCTGTGGGGATTAACCTCCC
TCGTGAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGTTCTGCCACTT
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1309:11442:21057_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGAACCTCTAATAGAGGATCCTGATGACATT
ATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1443:26386:36323_2:N:0:TCTGCAAG+GCTGCACT
CTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCT
GATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGT

+

FFFF:FF
FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:2508:2808:6668_2:N:0:TCTGCAAG+GCTGCACT
ACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAG
AAAACGATATGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAG

+

FFFFF:FFF:FF
FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:1308:21242:22905_2:N:0:TCTGCAAG+GCTGCACT
TACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTG
CTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2174:30237:16313_2:N:0:TCTGCAAG+GCTGCACT
TGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATAC
CGCCTCCAGATTACTCTAACTGAATCCACTCTCTTGGGATATAAATG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2613:10312:17534_1:N:0:TCTGCAAG+GCTGCACT
AACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATCACCTTGAGATGGTAAAGTC
ATTAACAAAGGAAATGTTAAGGCTGATGACTTAAATTTGCAATTCTGCTTCGACGGTAATTCCATAAG
ACC

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1459:20094:26553_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTT
GTTGACTACGATCTCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGAC
CAC
+
F:FFFFFFFF:FFFFFFFF:F,FF:F,FFFF:FFFF:FFFFFFFFFFFF:FFFF:FFFFFFFF,FFFFFF:
:FFFFFFFFFFFF:F:F,FFFFFFFF:FFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1308:21414:35164_1:N:0:TCTGCAAG+GCTGCACT
GACTTTTGTGCAATTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCGAG
AAGAGATAGTACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTG
AAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1357:3341:20713_1:N:0:TCTGCAAG+GCTGCACT
TCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCA
TCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTTAT
ACC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2136:6307:30389_1:N:0:TCTGCAAG+GCTGCACT
GTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGCAAACCTACTTCAACATCAAC
GACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGACGTTTGTGCG
CGA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2322:30065:31986_2:N:0:TCTGCAAG+GCTGCACT
TACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATG
TCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTTAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFF:FF:FFFFFFFFFFFF,FFFFFFF
FFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1241:31620:15640_2:N:0:TCTGCAAG+GCTGCACT
CAAAGTCCTTGGAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAGGTAATA
CTTACCAGCACGTTGCGCTGGTTAGAATTAAACCTCAAGATGACCCTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FF:FFFFFFFF:FFFFFF
FFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1375:24804:12759_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTAAAGTTAAACGA
TGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAA
CCC
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1539:8513:26850_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGG
ATCTTCTACTGTCTCTGCCTTCCAAGATTTCCTAGAAGAGGTTATTCCTGGAACCACCTTAACGTCAC
TCG

@A00721:190:HGJW7DSXY:4:2222:5457:28354_2:N:0:TCTGCAAG+GCTGCACT
TGAGTTCAAGTCGGTTGTCGATCGAATTAAGATAAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTG
ATCAGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTGAGATCGGAAGA

@A00721:190:HGJW7DSXY:4:1108:26530:14967_1:N:0:TCTGCAAG+GCTGCACT
TCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCACACGGAAAGACATATCGCA
CCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTGTTTGATCAGTCTAAGTTGGA
TAA

@A00721:190:HGJW7DSXY:4:1140:19072:28855_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGT
AAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATG

@A00721:190:HGJW7DSXY:4:1245:27588:22404_1:N:0:TCTGCAAG+GCTGCACT
AGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCA
CAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGAG
GAG

@A00721:190:HGJW7DSXY:4:1640:6741:7654_1:N:0:TCTGCAAG+GCTGCACT
GACGATTTCTCCCGGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGA
TTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTGTAAAGCCTATGAGATAAGATGTATTCTTATT
TAG

@A00721:190:HGJW7DSXY:4:2544:3269:3114_2:N:0:TCTGCAAG+GCTGCACT
TTGGAGTGCCAGTGAATATTTTTGTACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTG
CTCAACGACGAAGTGGAACGGCCAACACTTTCTTTGGTAATTGTATGA

@A00721:190:HGJW7DSXY:4:2347:15944:19272_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATCACTTTATTATGACCTTGGAAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCT

GTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGAG

+

FFFFFF:FFF,FFFF,FFFF,:FFFFFFFFFFFF:FF:FFFFFFFFFFFF:,F:FFFFFFFFFFFF
FFF:FFFFFFFFFFFF:FFFF:F,FFFF::F:FFFF:FFFF:F:F:

@A00721:190:HGJW7DSXY:4:2324:31684:2691_1:N:0:TCTGCAAG+GCTGCACT
TTTACAAGATCATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAGA
TTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAGCTCTTGC
GA

+

FFFFFFFFFFFF:FF,FFFF,FFF::FFFF:F:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
FF,FF:FFFFFFFFFFFF
F:

@A00721:190:HGJW7DSXY:4:1570:31602:8750_2:N:0:TCTGCAAG+GCTGCACT
GAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTAAACGATTCCG
AGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTT

+

FF:FFFFFFFF
FFF:FF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2565:3152:32534_2:N:0:TCTGCAAG+GCTGCACT
GGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTT
CTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTT

+

FF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1336:28691:6433_2:N:0:TCTGCAAG+GCTGCACT
CTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGAT
ACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACC

+

FFF:FF
F:FF

@A00721:190:HGJW7DSXY:4:1465:10520:4335_2:N:0:TCTGCAAG+GCTGCACT
TAAATGACGATCATTAAGACTCTCTTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCATCAGC
TTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATCATCAGTTGAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFF

@A00721:190:HGJW7DSXY:4:1112:30897:9533_1:N:0:TCTGCAAG+GCTGCACT
CCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAACTGTGG
TGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCATCGTAAGGACACTACCACTTATTACG
ATA

+

FFFF,FFF,,FFFFFFFFFFFF,FFF:FFFFFF:F:FFFFFF:F:FFFF,FFF:FFFFFF:F
FFFFFFFFFFFF,FFF:FFFF,:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFF:
FFF

@A00721:190:HGJW7DSXY:4:2609:30318:21621_1:N:0:TCTGCAAG+GCTGCACT
AGCGTCTTCTGTTTCATCGCAACCAGATGATATCTTCTATTGCACTTATGTTTCGATCAGTGTTTCTT
CTATCAGGAGGAAAACACTTGTTCTAGTCCTTGTAAGATTAATCCTAACGTAGAAGATTGTTGTTTAC
CAC

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1529:20220:8985_1:N:0:TCTGCAAG+GCTGCACT
TCTCTATTTTAAGTTTTGTCTTCCTTGTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATT

FFFF,FFF:FF:F
FFF

@A00721:190:HGJW7DSXY:4:1409:27109:36385_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTAT

+

FFFFF:FF,F
FF,FFFFF

@A00721:190:HGJW7DSXY:4:1241:11849:31093_1:N:0:TCTGCAAG+GCTGCACT
TTACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCCTCTGGCCTTGTA
TGAGGGTGTCTTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTT
TGG

+

F:FFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1247:7446:16016_2:N:0:TCTGCAAG+GCTGCACT
CAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTTATACTA
TGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTCTACCGC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFF,:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2307:28782:21402_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAGTCGATTAAACAAGTTGTACTTATCAATTATTTTATCGCTGGTTGTATATCGAAAAGTCTC
TTCTAAAAGGAACGTCAGTTCTAAACCAAAGAGAATATCTAAAATATT

+

FFFFFFFFFFFF,FFFF:FF,FFFF:,,FF,,,F,,FFFFFFFF:,FF:,F:FFFFF,,,F,F,F,:F:F
FF,,FFFF,F,F:,F,:F,,FF:FFFFF,F:::,F,,,FFFF,F,F

@A00721:190:HGJW7DSXY:4:2402:14687:8766_1:N:0:TCTGCAAG+GCTGCACT
TACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCACTACCT
CGGTACAATCTTACTTGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTC
TAT

+

FFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2305:8006:4679_1:N:0:TCTGCAAG+GCTGCACT
AATACGATTTCAACGTCACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTTCGTCAATAT
GATTTGATCTGGTTGCTCAATTCTAAGCGTGTCCGCTTAGTGCGAGGCCTCTCTTCTACGAGTATTG
CTA

+

FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1148:15953:36636_2:N:0:TCTGCAAG+GCTGCACT
ATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGATT
TTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1533:10149:15843_1:N:0:TCTGCAAG+GCTGCACT
ATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCTAAGTGGAATACTGTCTTTCCAAGCTT
ACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAA
GAT

+
FFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2269:24288:2503_1:N:0:TCTGCAAG+GCTGCACT
CTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTCTTTTTAGGTGGTCTT
TATTCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAA
GAG
+
FFFFF:FFFFFFFFF:FFF:FFFFFFFFFFFFFFFFF:F,FFFFF:FFFFFFFFFFFFFFFFF,FF
FFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2169:24867:10989_2:N:0:TCTGCAAG+GCTGCACT
CCAACCTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAA
GACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAAT
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1124:6506:22373_2:N:0:TCTGCAAG+GCTGCACT
ACTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATG
ATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAA
+
FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F
@A00721:190:HGJW7DSXY:4:2143:9742:15953_2:N:0:TCTGCAAG+GCTGCACT
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGACTTTCGTCATAATCGCTGCATATTACGATTAC
ACGGTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F,:F:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:2345:6017:29293_2:N:0:TCTGCAAG+GCTGCACT
TCTAGAATTCTTAATTATAATATTCAACCTCAAAGTTACGTGTTTACAGTAACGAGATCACACATTT
TGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCT
+
FF
FFF
@A00721:190:HGJW7DSXY:4:2206:4562:10770_2:N:0:TCTGCAAG+GCTGCACT
AAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTT
GGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGAC
+
FF
FFF
@A00721:190:HGJW7DSXY:4:2473:20735:36307_1:N:0:TCTGCAAG+GCTGCACT
TCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCG
CTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATATCCAGACGACGACGAAGCTTATACAATA
TCC
+
:F:FFFFF:F:FF,F:FFFFFFFF,FF:F,FFF::FFFF:FFFF:FF:FFF:FFFFFFFFFFFF:FF:
FFF:FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2233:14922:12179_2:N:0:TCTGCAAG+GCTGCACT
ACCACATTTGGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTGCCATTGTGGTACGAAT
TGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAGCCTTCA
+

@A00721:190:HGJW7DSXY:4:2423:1344:36229_2:N:0:TCTGCAAG+GCTGCACT
ACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTGCTTTAAAGACTG
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTT

@A00721:190:HGJW7DSXY:4:1436:8630:18098_1:N:0:TCTGCAAG+GCTGCACT
CTTGCAAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGAAAAGTCCGGAGTATATTGTATGTT
AATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCTAGAACCAAGTACTTTCCGT
CTG

@A00721:190:HGJW7DSXY:4:1506:18475:24095_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCAACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAT
ATA

@A00721:190:HGJW7DSXY:4:1270:9146:16016_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTTTGTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACTG
TCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATG
ACT

@A00721:190:HGJW7DSXY:4:1617:28655:24533_2:N:0:TCTGCAAG+GCTGCACT
TCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAG
CTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGA

@A00721:190:HGJW7DSXY:4:1505:31747:32330_1:N:0:TCTGCAAG+GCTGCACT
TTTAATATATTTTTTCTAAAAACCAATATAAACTATTATAATGCTTGTTTTCCGTCGTAAATTTAAAA
CACTATGATAACATCCCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG
AT

@A00721:190:HGJW7DSXY:4:2504:4851:15718_1:N:0:TCTGCAAG+GCTGCACT
CATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTT
TTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTATGTACTTATTGTAACGATCA
TTC

[illegible]

@A00721:190:HGJW7DSXY:4:1206:17508:2534_2:N:0:TCTGCAAG+GCTGCACT
TATTCCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATA
CATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1267:10330:34601_1:N:0:TCTGCAAG+GCTGCACT
TATTTATTAAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTC
AAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTCGAC
AAA

+

FF,FFFFFFFF
FF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1252:8784:33990_2:N:0:TCTGCAAG+GCTGCACT
ATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAATAAGATGTATGATG
ATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACT

+

FF
FF:FF:FFF

@A00721:190:HGJW7DSXY:4:1512:8169:3145_1:N:0:TCTGCAAG+GCTGCACT
CTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGC
ACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGG
TGA

+

FFFFFF,F:FFF:FF:FFFFFFFF
FF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1318:30490:19194_2:N:0:TCTGCAAG+GCTGCACT
CATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAAC
GATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1672:17155:23938_1:N:0:TCTGCAAG+GCTGCACT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTCTTAAATATTCTA
GTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAA
TGC

+

FFFFFF,F:FFF:FFFFFFFF:FFF,F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF
FF:FF:F:FFF,:::FFF:FFF:F,:FFFFFFFF,
FFF

@A00721:190:HGJW7DSXY:4:1614:21766:27633_2:N:0:TCTGCAAG+GCTGCACT
AAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCA

+

FF,FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2522:23511:11866_2:N:0:TCTGCAAG+GCTGCACT
ATACCATAACCTACCATGACCAATCATCGCTCCAACCTGGCAGCCAGACGTAGGGTCAAACCTACTAC
CGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGC

+

:FF
FF

@A00721:190:HGJW7DSXY:4:2241:23502:35806_1:N:0:TCTGCAAG+GCTGCACT
CCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAAC
GGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATC
TCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1549:2329:35837_2:N:0:TCTGCAAG+GCTGCACT
GCAGTACCTCAGTCAAAAGTCACATTACCACTCCCATAACCAATCAATGATGTGACTATACAGTTCGG
CCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2659:25156:19257_2:N:0:TCTGCAAG+GCTGCACT
CCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGTAGTCTCTAAGTCTACC
AGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2332:21820:27070_2:N:0:TCTGCAAG+GCTGCACT
AGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGAATAAGAAATCTGCA
CGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2136:26323:5744_2:N:0:TCTGCAAG+GCTGCACT
TTGCGCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAA
TCTGTTGAATTCTGCTACTGAGGACGAAGGTGAGAGGACTTTTGGCTAC

+

FF
FF:FF
F

@A00721:190:HGJW7DSXY:4:1357:23854:17378_2:N:0:TCTGCAAG+GCTGCACT
CGTGGGTTGAAGGCCGACGCTTCGAGCCTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTT
TGGAGGATTTTATCCGCGCTTAACATATGGGGCGAAGATCCCCTATGGA

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1446:16161:17801_2:N:0:TCTGCAAG+GCTGCACT
TTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACA
AGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGG

+

FFFF:FF:FFFFFFFFFFFF:FFF,FFFFFFFFFFFF:FF:
FF
F::F

@A00721:190:HGJW7DSXY:4:2601:12481:18756_2:N:0:TCTGCAAG+GCTGCACT
TCCTCCATAATTACAACCTCTCTGTAGAGAGCATTAGAAGGAAGTTGGGCAATTCCCACATATGGTA
GACGTTGTCACACTTTTCTTGAAAATTTTCTTTTCTCCGTCATTGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2327:25590:13056_2:N:0:TCTGCAAG+GCTGCACT
AAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAG
TTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGA

+

@A00721:190:HGJW7DSXY:4:1427:20980:20228_1:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT

+

```
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

@A00721:190:HGJW7DSXY:4:1532:13584:17221_2:N:0:TCTGCAAG+GCTGCACT
GTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGG
GTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATT

+

```

FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFF:FFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1319:29568:7576_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATC
GACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTGCGTAACTTACCATATTGTTCC
TTC

+

```

FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

@A00721:190:HGJW7DSXY:4:2647:2003:4679_1:N:0:TCTGCAAG+GCTGCACT
ATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGTTTTGATTGGTATGGACTACTCGACTTTT
GATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTC
TGT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1612:19678:22764_2:N:0:TCTGCAAG+GCTGCACT
GAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCGT
ACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTT

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFF:FF:FFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1132:19768:11960_1:N:0:TCTGCAAG+GCTGCACT
TATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGAATATGTTATAATCACTTGTTAAAGTACAGAT
TtagtgatttagatattattgatattggaggcgatatTCGTTTTCATATCCAAAACCTCTGAATGGA
GTA

+

```

FFFFFFFF,FFFFFF,:F:FFFFFFFFF,FFFFFFFF,FFF:FFFFFFFFFFFFFF:F:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF,FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FF
FFF

```

@A00721:190:HGJW7DSXY:4:2601:12554:3756_1:N:0:TCTGCAAG+GCTGCACT
ACCCTATTCTTGATGTGATAGATGCTGCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTAC
TCACGAGACGTATTGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGA
TTG

+

FF,F,F:F,F,FFFFFF,FFF,FFF,,,,,F,FF,,FF,:F,:F,FF,,FFFF:FFF:,F,FF,F,FF:
FF:FFFF:,FF,,FFFFFFFFFF:F,F,F:F,:FFF,,FFF:FFF,FFFFFFFF:,FFFFFFFF,,:F:FF
FF,

@A00721:190:HGJW7DSXY:4:2337:25491:16297_1:N:0:TCTGCAAG+GCTGCACT
CTTGGTATTTCTGAAATAGTTTATCAGAGCGTCATTTTCTTTGGGATCTTTCCTCTGGTAAGGGAAT
TATTAAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCA
AAA

@A00721:190:HGJW7DSXY:4:1169:6424:6668_1:N:0:TCTGCAAG+GCTGCACT
GTGCTCTTCCGATCTGTCGTTTCAACACTTATCACCCTTTTGAAGGAAAATAATTGGTGATGAAAA
TACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATT
ATC

@A00721:190:HGJW7DSXY:4:2233:29586:24768_2:N:0:TCTGCAAG+GCTGCACT
TTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAAACATCAGGTTCTTGTCACGATTCTTAA
AAGAAGTTTATTAAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAA

@A00721:190:HGJW7DSXY:4:2570:16260:28651_2:N:0:TCTGCAAG+GCTGCACT
GGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAAC
GTCTACAACGAGTTAGGGAGTGGCTAGGTTTTTAAAGATCCTTTGCAC

@A00721:190:HGJW7DSXY:4:2569:25617:11130_2:N:0:TCTGCAAG+GCTGCACT
CGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATT
TTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAG

@A00721:190:HGJW7DSXY:4:1276:5231:1658_2:N:0:TCTGCAAG+GCTGCACT
ACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGG
TATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAG

@A00721:190:HGJW7DSXY:4:1468:8323:31657_2:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTGCACGGACTTTAGCA
ACTTTAGAAAAATCTTTCCGGGCTCAATGACCTTTGCTATGTACGTG

@A00721:190:HGJW7DSXY:4:1508:22182:21966_1:N:0:TCTGCAAG+GCTGCACT
T TAGTTTCATGAAGTTCTTACACTTCTCGCGACTAATGTGTCAGCTTCACTACAAAGGCGTTACGTAAAGT
AGTTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCACTTTTTGAATATGACAGAAGCTCGC
CAT

FF
FFF

@A00721:190:HGJW7DSXY:4:2112:25030:6073_2:N:0:TCTGCAAG+GCTGCACT
CCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTT
TACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGAT

+
FFFFFFFFFFFFFF:FFFF:FF
FFFFFFFFFFFFFF:FF:FF

@A00721:190:HGJW7DSXY:4:1261:22281:28369_1:N:0:TCTGCAAG+GCTGCACT
TCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTA
CAGTTCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGTAC
TTG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2530:26313:22482_1:N:0:TCTGCAAG+GCTGCACT
TTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCAATTGATA
CAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCGTCTTACCTATTTACAA
TCT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2542:19515:33223_1:N:0:TCTGCAAG+GCTGCACT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTTCCTCCCTTTTTTCGA
TTGGATTCGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGTTTTTCTTTTATGGGACTCTTGTTT
GTA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1440:3106:29731_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGAT
GGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGAT

+
FF
FF

@A00721:190:HGJW7DSXY:4:1632:32786:20134_1:N:0:TCTGCAAG+GCTGCACT
TTCTATTATGTCGCTAAAGCCTGTCCAGTTGTGATGATGTTTCGGGCTGTGGGGATTAAGTTCCCTCG
TGAAACTTACGACGATGTTCTCGCTCGCATTTCACAAGGATTACTAAGTCTGAGATCTGCCACTTCTA
ATT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1374:29993:21245_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCAAGGATGTCTTGGTCGAAAAATATCGCCGGGACCTTCTAATAGAGGATCCTGATGACATT
ATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGA

+
FF
FF

@A00721:190:HGJW7DSXY:4:1457:26738:23907_2:N:0:TCTGCAAG+GCTGCACT
CTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTTCAGGGTGCCCT

+

@A00721:190:HGJW7DSXY:4:1121:26323:32299_2:N:0:TCTGCAAG+GCTGCACT
CAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAGAA
AACTGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGAT

+

@A00721:190:HGJW7DSXY:4:1659:31991:17159_2:N:0:TCTGCAAG+GCTGCACT
TACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTG
CTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACT

+

@A00721:190:HGJW7DSXY:4:2177:29631:24972_2:N:0:TCTGCAAG+GCTGCACT
TGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATAC
CGCCTCCAGATTACTCTAAACTGAATCCACTCTCTTGGGATATAAATG

+

@A00721:190:HGJW7DSXY:4:2639:21594:28244_1:N:0:TCTGCAAG+GCTGCACT
AACATGAATTAGTTATTGAAAGTCTTGACCCTCACGTCTCACTTTATCACCTTGGAGATGGTAAAGTC
ATTAACAAAGGAAATGTAAAGGCTGATGACTTAAATTTGCGATTCTGCTTCGACGGTAATTCCATAAG
ACC

 $+$

@A00721:190:HGJW7DSXY:4:2376:11812:22733_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTT
GTTGACTACGATCTCTCTTGTAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGAC
CAC

+

@A00721:190:HGJW7DSXY:4:1372:9028:33599_1:N:0:TCTGCAAG+GCTGCACT
GACTTTTGTGCAATTTTCGCAAAGGCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCGAG
AAGAGATAGTGAATAAGTTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTG
AAA

+

@A00721:190:HGJW7DSXY:4:1417:17806:33927_1:N:0:TCTGCAAG+GCTGCACT
TCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCA
TCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTTAT
ACC

 $+$ [illegible]

@A00721:190:HGJW7DSXY:4:2150:8639:4210_1:N:0:TCTGCAAG+GCTGCACT
GTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAAC
GACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCC GCCGACGTTTGTGCG
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2636:25337:3662_2:N:0:TCTGCAAG+GCTGCACT
TACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATG
TCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTTAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1438:4399:27117_2:N:0:TCTGCAAG+GCTGCACT
CAAAGTCCTTGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAGGTAATA
CTTACCAGCACGTTTCGGCTGGTTAGAATTAAACCTCAAGATGACCCTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2220:7826:34616_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTCTCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTAAAGTTAAACGA
TGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAA
CCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2148:28556:2566_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGG
ATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACCACCTTAACGTAC
TCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2236:18096:19554_2:N:0:TCTGCAAG+GCTGCACT
TGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTG
AGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTGAGATCGGAAGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1430:19623:7420_1:N:0:TCTGCAAG+GCTGCACT
TCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCACAAACGGAAAGACATATCGCA
CCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTGTATCAGTCTAAGTTGGA
TAA

+

F,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1245:27588:22404_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGTTAACTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGT
AAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATG

+

```

FFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFF:FFF:FFFFFFFF
:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFF:FFF:FFFFFFFFFFFFFFFFFFFF

```

+

@A00721:190:HGJW7DSXY:4:2431:13060:19413_1:N:0:TCTGCAAG+GCTGCACT
GACGATTTCTCCCGGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGA
TTTTTCGAAGTTTGACAAATCTCAAGATTTCTTTGTAAAGCCTATGAGATAAAGATGTATTCTTATT
TAG

[illegible]

+

@A00721:190:HGJW7DSXY:4:2406:19714:7326_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATCACTTTATTATGACCTTGGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCT
GTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGA

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF;FFFFFFF
FFFFFFFF;FFFF;FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

+

@A00721:190:HGJW7DSXY:4:1641:12626:22639_2:N:0:TCTGCAAG+GCTGCACT
GAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTAAACGATTCCG
AGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCACCTTT

[illegible]

+

@A00721:190:HGJW7DSXY:4:2414:15013:34726_1:N:0:TCTGCAAG+GCTGCACT
CGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACT

TGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTT
CTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2177:5348:25692_2:N:0:TCTGCAAG+GCTGCACT
CTTTGCACTGATTTTTCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATCA
GTTGAATAAGACTCATCCGAAAGGCGAACTTTGGGAATTTGAAGCTCA

+

FFFFFFFF:F:F:FFFFFFFFF::,FF:,FFFF,FF,F::FFF:FFF:FF,FFFFF,FFFF
,,FFF,FFF,FF,,,F:FFFF:F,FFF,,:FFFFFF,F:FF:FFFF

@A00721:190:HGJW7DSXY:4:2166:10755:8187_2:N:0:TCTGCAAG+GCTGCACT
ACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCAGTCGTAAGGA
CACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTTCGACGCC

+

FF
FFFFFFFFF,FFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1636:21730:35931_1:N:0:TCTGCAAG+GCTGCACT
TCTCTATTTTAAGTTTTGTCTTCCTTGTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATT
AAAAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAG
AGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1209:14742:4413_1:N:0:TCTGCAAG+GCTGCACT
GACTTTGGTACCACCTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAA
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATG
ATG

+

FFFFFFFFF:FFFFFFFF:FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2520:24297:13542_1:N:0:TCTGCAAG+GCTGCACT
TGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAA
CATTACCCGAAAGACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGCGATCACTTTTCA
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1202:31259:20431_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTATCGTTTCTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGT
GAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATT
TCA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1571:25816:32800_2:N:0:TCTGCAAG+GCTGCACT
GAGGAACGTACCGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGAT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGA

+

@A00721:190:HGJW7DSXY:4:1453:25672:36652_1:N:0:TCTGCAAG+GCTGCACT
TACTTTTCGATACTTCTATCGTCTTACGTTACGTAATTACTATAGTGTTATTTATTCTGGTGGTGATG
ATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCCTTATTACGGCGCACTTCTTTACCC
GCC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1573:2193:7639_1:N:0:TCTGCAAG+GCTGCACT
TTTCAGTTTCACTGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAAT
ATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTTAC
TA

+

[illegible]

@A00721:190:HGJW7DSXY:4:1155:11523:32127_2:N:0:TCTGCAAG+GCTGCACT
AAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGC
TATTACTCTTGCTGAAACAGCTATTAAGCTGTTGAGCGGGTAATTAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1530:10059:14559_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTAT

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF

```

@A00721:190:HGJW7DSXY:4:1409:27109:36385_1:N:0:TCTGCAAG+GCTGCACT
TTACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCCTCTGGCCTTGTA
TGAGGGTGTTTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTT
TGG

+

[illegible]

@A00721:190:HGJW7DSXY:4:2262:19777:36338_2:N:0:TCTGCAAG+GCTGCACT
CAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTTATACTA
TGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATTACTCTACCGC

+

[illegible]

@A00721:190:HGJW7DSXY:4:2402:14687:8766_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAGTCGATTAAACAAGTTGTAATTATCAATGATTTTATCGCTGGGTGTTATCTCGAAAAGTCTA
TTATAAAAGGAACGGCAGTTCGAAACCAAAGAGAATATATAAAATGTT

+

```
FF:FF,FFFFFF,F,FF,:F,FFFFFF,,F,F:FF,:,:FFF:F,F,:FF,:,,F,F,F,,, :FF,F:,,
:F,FFFFFF,: ,FF,,,,,F: ,F,,FF,,F,,FFFF,:,,F:FF,,,F
```

@A00721:190:HGJW7DSXY:4:2510:25346:36683_1:N:0:TCTGCAAG+GCTGCACT
TACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTCGCTTCCTCCTTTAATGGCACTACCT
CGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTC
TAT

+
FF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2528:27245:29951_1:N:0:TCTGCAAG+GCTGCACT
AATACGATTTTCAACGTCAACGTTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTTCGTCAATAT
GATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGGCCTCTCTTCTACGAGTATTG
CTA
+
FF,FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1419:24605:28009_2:N:0:TCTGCAAG+GCTGCACT
ATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGATT
TTAATATAAAGAATCTTTAACAGGACTCCTACTACAGGAGGCAGTCTT
+
F:FF:FF:FFFFFFFF:F,FFFF:FF
FFFFFFFF:FFFFFFFF,FF::FFFFFFFF:FFFF:FFF:FF
@A00721:190:HGJW7DSXY:4:2139:24279:33708_1:N:0:TCTGCAAG+GCTGCACT
ATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCTAAGTGGAATACTGTCTTTCCAAGCTT
ACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCGTAAAGGAA
GAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2303:30436:31876_1:N:0:TCTGCAAG+GCTGCACT
CTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTTCGTTTTTAGGTGGTCTT
TATTCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAA
GAG
+
:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2206:9733:36699_2:N:0:TCTGCAAG+GCTGCACT
CCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAA
GACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAAT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1168:15817:31360_2:N:0:TCTGCAAG+GCTGCACT
ACTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATG
ATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAA
+
FFFFFFF:FFFFF:FFFF:FFFF,FFFF:FF:FFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFF
FFFFFFF,F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:2215:29984:29152_2:N:0:TCTGCAAG+GCTGCACT
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGACTTTCGTGATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1266:25518:2816_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGA

$+$

@A00721:190:HGJW7DSXY:4:1145:21522:18161_1:N:0:TCTGCAAG+GCTGCACT
TAAATAATATTACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGA
TTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTA
ATC

+

@A00721:190:HGJW7DSXY:4:2433:18873:10692_1:N:0:TCTGCAAG+GCTGCACT
AGGACACTTCGAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTA
AAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAG
ATA

+

@A00721:190:HGJW7DSXY:4:2252:26657:4288_2:N:0:TCTGCAAG+GCTGCACT
ACCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAAT
TGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAGCCTTCA

+

@A00721:190:HGJW7DSXY:4:1232:31693:29606_1:N:0:TCTGCAAG+GCTGCACT
ACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTGTTTTAAAGACTG
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGG
AGA

+

@A00721:190:HGJW7DSXY:4:1514:21947:9972_1:N:0:TCTGCAAG+GCTGCACT
CTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGAAAAGTCCGGAGTATATTGTATGTT
AATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTTCGTAGAACCAAGTACTTTCCGT
CTG

+

@A00721:190:HGJW7DSXY:4:1560:30056:13182_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCAACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAT
ATA

+

@A00721:190:HGJW7DSXY:4:1512:14000:8077_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTTTGTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACTG
TCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATG
ACT

[illegible]

@A00721:190:HGJW7DSXY:4:2147:17580:33129_2:N:0:TCTGCAAG+GCTGCACT
CATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAAC
GATTCTTCGACTATATTAAAGAAATAAAAAATACTTCAAGTACCTGAAC

+

FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:F:F:FF

@A00721:190:HGJW7DSXY:4:2415:10547:32534_1:N:0:TCTGCAAG+GCTGCACT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTA
GTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAA
TGC

+

:FF:FFFFF:FFF:FF
FF:FFF:F
FFF

@A00721:190:HGJW7DSXY:4:2105:3387:27242_2:N:0:TCTGCAAG+GCTGCACT
AAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2660:7048:31923_2:N:0:TCTGCAAG+GCTGCACT
ATACCATAACCTACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACTAC
CGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2253:15872:2143_1:N:0:TCTGCAAG+GCTGCACT
CCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAAC
GGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTGCTCGTAACATTGACGGCAGTCCCGTCATC
TCT

+

F:FFFFFFFF:FFFFFF:F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2324:2428:17378_2:N:0:TCTGCAAG+GCTGCACT
GCAGTACCTCAGTCAAAAGTCACATTCACTCCCATACCAATCAATGATGTGACTATACAGTTCGG
CCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCC

+

FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1558:27670:14278_2:N:0:TCTGCAAG+GCTGCACT
AAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAG
GAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCC

+

FFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFF,FF:,F
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2571:5330:16141_2:N:0:TCTGCAAG+GCTGCACT
AGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCA
CGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTC

+

:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFF:FF,FFFFF

@A00721:190:HGJW7DSXY:4:2316:10972:18208_2:N:0:TCTGCAAG+GCTGCACT
TTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCCTACTATGAGCAAA

TCTGTTGAATTCGACACTGAGGACGAAGGTGAGAGGACTTTTGGCTAC
+
::FFF:F:FFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFF:FFFFFF,FFF:FFFFFF,FFFF
,FFF:,FFFFFF,F::,F:F:FFFFFFFFFFFFFFF,FFF:FF,F
@A00721:190:HGJW7DSXY:4:1438:5141:34194_2:N:0:TCTGCAAG+GCTGCACT
CGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTT
TGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGA
+
FF:F
FFFFFFFF,FFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF::FF:
@A00721:190:HGJW7DSXY:4:2126:14606:4335_2:N:0:TCTGCAAG+GCTGCACT
TTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCAGGTAAGCTCGGGACTTACA
AGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2640:16514:32910_2:N:0:TCTGCAAG+GCTGCACT
TCCTCCATAATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTA
GACGTTGTCACACTTTTCTGAAAATTTTCTTTCTCCTCCGTCATTGG
+
FF
FFFFFFFFFFFFFFFF:FF:FFF:FFFFFFFF:F:FF:FF,FFFF,:FF
@A00721:190:HGJW7DSXY:4:2327:25988:13369_2:N:0:TCTGCAAG+GCTGCACT
AAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTTCAGGACCTAATCACATCATGATTGATAG
TTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGA
+
FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1467:16206:8359_1:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2131:32570:16000_2:N:0:TCTGCAAG+GCTGCACT
GTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGG
GTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1323:32805:3098_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATC
GACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTACCATATTGTTCC
TTC
+
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
:FF
FFF
@A00721:190:HGJW7DSXY:4:1106:7771:5024_1:N:0:TCTGCAAG+GCTGCACT
TTTAACTTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTG
ATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCT
GTA

+
FFFFF:FFFFF,FFFFFFFFFFFFF::FF:FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2523:22670:34741_2:N:0:TCTGCAAG+GCTGCACT
GAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGT
ACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTT
+
FFF:FF:FFF
FF:FFF:FFF:FFF::F
FF
@A00721:190:HGJW7DSXY:4:1224:16911:17221_1:N:0:TCTGCAAG+GCTGCACT
TATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGAT
TTAGTGATTAGATATTATTGATATTGGAGGCGATATTCGTTTTTCATATCCAAACTCCTTGAATGGA
GTA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1175:17074:13933_2:N:0:TCTGCAAG+GCTGCACT
CCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTC
ACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTG
+
FF:FFFFF:FFFFFFFFFFFFFFFF
FF::FF
@A00721:190:HGJW7DSXY:4:1544:20220:6981_2:N:0:TCTGCAAG+GCTGCACT
AAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTTGATGATGTAGCCACTATAATGCTT
AAGAGAGAGATTGATGTATGTCATTTTCGTCTTAGTTTGTCCCGCGCAA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
:FF
@A00721:190:HGJW7DSXY:4:1149:8793:7106_2:N:0:TCTGCAAG+GCTGCACT
CCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTATATGCC
GAAGGATTGGGTTATTCTCACAAAGATAAGATTTTATCTTTCTTC
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
F::FF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1219:23583:29747_2:N:0:TCTGCAAG+GCTGCACT
AAGGGCGGACAATTGTTCCATTGTGAACCTTTGGGGACTAGATTGAGCATTAAATGAGTTCCGAATAAC
TCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFF,FF
@A00721:190:HGJW7DSXY:4:1502:12545:2707_1:N:0:TCTGCAAG+GCTGCACT
CTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTGTTTCCTCAATAAAAAATTTT
TCTCAAGAGATTATGGTTGATAAAGTTTCTTCATAAGGGCTATTAGTACGTCATGGGGATCACTTC
TTC
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2437:15284:19789_1:N:0:TCTGCAAG+GCTGCACT
ACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGAT
TCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAG
CTA

+
FFFFFFFF:FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1160:6234:25817_1:N:0:TCTGCAAG+GCTGCACT
TCGCAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAG
ACGCCTACGGTGAAGTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCTTTTATAGTTTA
GTA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1403:31204:32737_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTGACAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTA
AATCTTTTGAAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAACCAA
GT

+
FFFFF:F::F:FFFFFF:FFF::FFFFFFFF,FFFF:FFFFFFFF::FF,FFFF:FFFF,FF:F:FF
FFFFFFFF:F,:FFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF::FFFF
FF

@A00721:190:HGJW7DSXY:4:1677:8693:19053_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAGTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2614:32497:19695_1:N:0:TCTGCAAG+GCTGCACT
CTTGGTATTTCTGAAATAGTTTATCAGAGCGTCATTTTCTTTGGGATCTTTCCTCTGGTAAGGGAAT
TATTAAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTCA
AAA

+
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1174:10637:18443_2:N:0:TCTGCAAG+GCTGCACT
TACAGAGTGCAGTCGTTTCAACACTTATCACCCTTTTGAATGAAAATAATTGGTATGAAAATACG
TATGTCGGTGGGTTCTCAAGGCTCTCATCGCCCTGGGATTCTAAGG

+
,FF,FFFFFFFFFFFF,FFF:FFF::FF,FFF::,,:FFF,F,FFF:FFFF::F,F,,,F::FF,:F:
FF,FFF,F:FFF:,FF,FFF:::,,FF,:FF,,F,F:::FFF:F,,,

@A00721:190:HGJW7DSXY:4:2233:29993:25003_2:N:0:TCTGCAAG+GCTGCACT
TTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAAACATCAGGTTCTTGTACGATTCTTAA
AAGAAGTTTATTAACAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAA

+
FF
FFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:1135:6497:26271_2:N:0:TCTGCAAG+GCTGCACT
ACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACG
AGTTAGGAGTGGCTAGGTTTTAAAGATCCTTGCACAAGCAATACC

+
:FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF

$+$ $+$

+

+

+

+

+

+

FFFF:FF:F,F,FFFFFFFF:F:FF::,FF,FFFFFFFF:FFFFFFFF:FFFFFFFF:FF:FFFFFF
FF:

@A00721:190:HGJW7DSXY:4:2354:4634:32346_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGAT
GGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGAT

+

FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF
FF:FF:FF:FFFF

@A00721:190:HGJW7DSXY:4:2159:3305:22247_1:N:0:TCTGCAAG+GCTGCACT
TTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTCCGGCTGTGGGGATTAACCTCCCTCG
TGAAACTTACGACGATGTTCTCGCTCGCATTCACAAGGATTACTAAGTCTGAGATCTGCCACTTCTA
ATT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1462:5122:35697_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATT
ATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:1627:13648:5619_2:N:0:TCTGCAAG+GCTGCACT
CTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCT
GATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGT

+

F:FF,FF
FF

@A00721:190:HGJW7DSXY:4:1314:26530:35008_2:N:0:TCTGCAAG+GCTGCACT
CAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAACAGAACAAAGCGAGCGGTTGAAGAGAA
AACTGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGAT

+

FF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2362:8287:19820_2:N:0:TCTGCAAG+GCTGCACT
TACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTG
CTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
F,,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2246:30138:12414_2:N:0:TCTGCAAG+GCTGCACT
TGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATAC
CGCCTCCAGATTACTCTAAACTGAATCCACTCTCTTGGGATATAAATG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2439:23818:10895_1:N:0:TCTGCAAG+GCTGCACT
TGAATTAGTTATTGAAAGCTTGACCCTCAATTCTGACTTTATCACCTTGGAGTTGGTAAAGTCATTA
ACAATGGTAATGTAAAGGCTGATGTCTTAAATTCGCTTTCTGCTTCGCTCGGTAATCCATAAGACC

+

FF:FFFFFFFFF,FFFFFF:F:,FF,,:,F,F,FF:FFF:F:,FFFFFF,FF:FFF,FF:,FF,
,:,,,FF,FFF,FF,:FF,FFFF,FFFFFFFF:F,,F,FFFF,,F,F,,:FF,F,FFFF,:FFFF

@A00721:190:HGJW7DSXY:4:2417:18584:4773_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTT

@A00721:190:HGJW7DSXY:4:1112:27263:2581_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACTCGGTAATCTTTC

+

FFFFFFFFFFFFFFFF:FFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2471:5945:23688_2:N:0:TCTGCAAG+GCTGCACT
TGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTG
AGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTGAGATCGGAAGA

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1529:17002:33724_1:N:0:TCTGCAAG+GCTGCACT
TCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTACAACGGAAAGACATATCGCA
CCCGAAATTTTTGGGCAGAAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGATCAGTCTAAGTTGGA
TAA

+

FF,FFFFFFFFFFFFFFFF
F:FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1306:4001:28087_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGT
AAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1369:1389:4867_1:N:0:TCTGCAAG+GCTGCACT
AGCTCATGGTGAAAAGGGAAGCTAAGGTAAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCGCA
CAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGAG
GAG

+

F,FFFFFFFF:FFFFFFFFFFFF,FFFF,FFFFFF:FFFFFF,FFFFFFFFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:F:FFF:FFFFFF
F,F

@A00721:190:HGJW7DSXY:4:1130:19425:12179_1:N:0:TCTGCAAG+GCTGCACT
AGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGAC
AAATCTCAAGATTTCTTTGTAAAGCCTATGAGATAAAGATGTATTCTTATTAGGCTTCGATGCTGA
ATT

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1104:30599:1031_2:N:0:TCTGCAAG+GCTGCACT
AGTGCCAGTGAATATTTTTGTCACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTGCTCA
ACGACGAAGTGGAACGGCCAACACTTTCTTTGGTAATTGTATGATCAC

+

FFFFFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1136:17137:35556_2:N:0:TCTGCAAG+GCTGCACT
TATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGACGATTCCATTCTGTTT
TCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAAT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFF::FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF

FF
FFF

@A00721:190:HGJW7DSXY:4:2552:7274:33912_1:N:0:TCTGCAAG+GCTGCACT
TGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAA
CATTACCCGAAAGACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCA
CTA

+
FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1325:1325:27305_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTATCGTTTCTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGT
GAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATT
TCA

+
FFFFFFFFF,:FFFFFFFFFFFFFF:FFF:FFFFFFFFFFFF
FF
FF:

@A00721:190:HGJW7DSXY:4:1669:3522:8844_2:N:0:TCTGCAAG+GCTGCACT
GAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGAT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGA

+
FFFFF:FF
FF
FFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2106:9182:33270_1:N:0:TCTGCAAG+GCTGCACT
TACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATG
ATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCCTTATTACGGCGCACTTCTTTACCC
GCC

+
FFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1109:30138:9815_2:N:0:TCTGCAAG+GCTGCACT
GTTTCACAACCTGAAGGAGGAGGTTTCTGTACTGGAAAACCCTCGTCAATACTTTTCAATAATATACG
TCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCT

+
FF
FF

@A00721:190:HGJW7DSXY:4:1338:14344:35289_1:N:0:TCTGCAAG+GCTGCACT
TACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTG
GTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATT
ACA

+
FFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFF,F
F:FFF,FFFFFF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1562:18502:15875_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTAT

+
FFFFF:F:FF
FFF,FFF:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1530:10059:14559_1:N:0:TCTGCAAG+GCTGCACT
TTACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTA

@A00721:190:HGJW7DSXY:4:2246:8350:30671_2:N:0:TCTGCAAG+GCTGCACT
CCAACTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAA
GACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAAT

@A00721:190:HGJW7DSXY:4:1243:28420:14700_2:N:0:TCTGCAAG+GCTGCACT
ACTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCTACGATACAAATG
ATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAA

@A00721:190:HGJW7DSXY:4:2422:11026:17174_2:N:0:TCTGCAAG+GCTGCACT
TCCTCAGGAGTCCCGCATTTGATAATAATGACGACTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTAT

@A00721:190:HGJW7DSXY:4:2654:9525:30076_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGA
GAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTAT

@A00721:190:HGJW7DSXY:4:1156:16206:7294_1:N:0:TCTGCAAG+GCTGCACT
TAAATAATATTACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGA
TTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTA

```

:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2433:9155:25426 1:N:0:TCTGCAAG+GCTGCACT

```

[illegible][illegible]

ACCGAGTTCGTTTCGATCCCTTTCATTCCTATCTCTGAGAGAGACATTTTCATGCTTTCCTTTTAAAGACATC
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCACAGGTTTTGAATTTAGCTCAACTGGGG
AGA
+

FFFFFFFFFFFF:,:FF:FFFFFFFF:FFFFFFFF:FF:F,FF:FFFFFF:FFFFFFFF:,:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1608:3405:34882_1:N:0:TCTGCAAG+GCTGCACT
CTTGACAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGAAAAGTCCGGAGTATATTGTATGTT
AATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGT
CTG

+

:F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1668:18656:29105_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAT
ATA

+

FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1515:25473:14481_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTTTGTACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGA
TCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGAACAACCTTTACTTAGAATG
ACT

+

FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1629:15004:27602_2:N:0:TCTGCAAG+GCTGCACT
TCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAG
CTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGA

+

FF
FFFF,FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1371:31656:1892_1:N:0:TCTGCAAG+GCTGCACT
TATAATAGATTTAGTCTCTACACCCATCTCACCGAGTATAAAGCGTGTTCCTGACGTAATA
CACGAAGATATCATCCGAAACGACTCGAAACGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG
ATT

+

FF,F:F,,,:FFF,,FFF,:FFFF,F,F:,F,F:,F,FFFF:,,,:F,:FFF,FFF:F:,,,FF,,
:,F:FF:F,F:FF,FF,FF
FFF

@A00721:190:HGJW7DSXY:4:1208:26702:21621_2:N:0:TCTGCAAG+GCTGCACT
CAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAA
CATGAGATACCAAGTCTATCGAAGACATTATCTCTTATGTACTTATT

+

FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1513:9878:14528_2:N:0:TCTGCAAG+GCTGCACT
TATTCCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATA
CATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTC

+

FF
FFF:FF

@A00721:190:HGJW7DSXY:4:1270:25138:10676_1:N:0:TCTGCAAG+GCTGCACT
TATTTATTAAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTC

@A00721:190:HGJW7DSXY:4:1536:30291:33943_2:N:0:TCTGCAAG+GCTGCACT
CAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGC
CATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1657:24523:33098_2:N:0:TCTGCAAG+GCTGCACT
AAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAG
GAAGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCC

+

FFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1332:10312:14873_2:N:0:TCTGCAAG+GCTGCACT
GGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACG
GGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGCGGCTTGGGTCAT

+

FFF,FFFFFFFFFFFFFFFF
FFFF:FF:F

@A00721:190:HGJW7DSXY:4:2520:32796:27884_2:N:0:TCTGCAAG+GCTGCACT
TTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTATGAGCAA
TCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTAC

+

FFF,F
FFFFF:FFFFFFFFFFFFF:FF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1470:4264:20337_2:N:0:TCTGCAAG+GCTGCACT
CGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTT
TGGAGGATTTTATCCGCGCTTAACATATGGGGCGAAGATCCCTATGGA

+

FFF:FFFFFFFFFFFFFFFF
FFF,FFFFF

@A00721:190:HGJW7DSXY:4:2168:26241:20478_2:N:0:TCTGCAAG+GCTGCACT
TTGGCATATTTATGCCGACGATAATAAGCATGTACCCCTTAAGCACCGAGGTAAGCTCGGGACTTACA
AGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGG

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:1122:6912:7545_2:N:0:TCTGCAAG+GCTGCACT
ATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTAGACGTTGTC
ACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTCGA

+

FFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF:FFFFF:,FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,:::FF:F:,FF:F:FFFF

@A00721:190:HGJW7DSXY:4:1138:24695:8876_1:N:0:TCTGCAAG+GCTGCACT
GGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACG
GCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTA
ACT

+

FFF,FFFF:FFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1158:12201:12477_2:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAAGGAAG
GCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAG

+

GAAGGATTGGGTTATTCTCACAAAGATAAGATTTTATCTTTCTTC

+

FFFFFFFFFFFFFFF:FFFFFFFF,FFFFFF,FFFFFFFFFFFFFFF:FFF:F,FFFFFFFFFFFFFFF
FFFFF:FFFFFFFF,FFFFFFFFFFFFFFF,F,FF:FFFF:FF

@A00721:190:HGJW7DSXY:4:1565:2320:10269_2:N:0:TCTGCAAG+GCTGCACT
AAGGGCGGACAATTGTTCCATTGTGAACCTCTTGGGACTAGATTGAGCATTAAATGAGTTCCGAATAAC
TCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGT

+

FFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1507:14163:25645_1:N:0:TCTGCAAG+GCTGCACT
CTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTTCGTTCCCTCAATAAAATTTT
TCTCAAGAGATTATGGTTGATAAAGTTTCTTCATAAGGGCTATTAGTACGTCATGGGGATCACTTC
TTC

+

FFF:FFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFF
FFFF,FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1239:5791:14058_1:N:0:TCTGCAAG+GCTGCACT
TCGAATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCAC
CAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAA
GAA

+

F:FF::FFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1425:10601:33129_1:N:0:TCTGCAAG+GCTGCACT
TCGCAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGG
ACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTATAGTTTA
GTA

+

FFFFFFF:FFFF:FFF:FFF:FFF:FF:FFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF,FFFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1623:5746:33082_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTGACAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTA
AATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
GT

+

FF,FF:F:FFFFFFFFF:FFFFFFFFF:FF,FFFFFFFFF:FFFFFFFFF
F,FFFFFFFFF:FFFFFFFFF:FFFFFFFFF,,:FF
FF

@A00721:190:HGJW7DSXY:4:2121:11975:19914_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

+

FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2636:4065:17519_1:N:0:TCTGCAAG+GCTGCACT
CTTGGTATTTCTGAAATAGTTTATCAGAGCGTCATTTTCTTTGGGATCTTTCCTCTGGTAAGGGAAT
TATTAAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTCA
AAA


```

+
:FFFFF:FFFFFFFFFFFFFFFFF:F,FFFF:FFFFFFFFF:::FFFF:F,FFFFFFFF:FF:F::FF,F
FFFFFFFF:FFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1310:11876:24001_2:N:0:TCTGCAAG+GCTGCACT
TACAGAGTGCAGTCGTTTTAAACACTTATCACCACCTTTTGAAAGGAAAATAATTTGTGATGAAAATACG
TATGTAGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGG
+
FFFFFFFFFFFFFFFFFFFFF,FF,:,,FFFFFFFFF:FFFF,FF:F:FFF,:F,F,F,:FFFFFFFFF,F
F:F,F,FF:FFFF,F:F:FF,F,FFF:F,,,F::F,FFFFFF,FFF,F
@A00721:190:HGJW7DSXY:4:2249:23909:13088_2:N:0:TCTGCAAG+GCTGCACT
TTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCAAACTATCAGGTTCTTGTACAGATTCTTAA
AAGAAGTTTATTAAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1228:10936:36338_2:N:0:TCTGCAAG+GCTGCACT
ACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACG
AGTTAGGGAGTGGCTAGGTTTTAAAAGATCCTTGCACAAGCAATACC
+
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFF::
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1609:14850:14810_2:N:0:TCTGCAAG+GCTGCACT
GTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTT
TTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF:FF
@A00721:190:HGJW7DSXY:4:2106:21450:5353_2:N:0:TCTGCAAG+GCTGCACT
ACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGG
TATGTGTCACGCTACACTCGAAATATGGGCCCTCAGAAGGAAGTATAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF,FFFFF,FF,FFF
@A00721:190:HGJW7DSXY:4:2120:12744:36839_2:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGGACTTTAGCA
ACTTTAGATAAATTCTTTCGGGCTCAATGACCTTTGCTATGTACGTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:2174:11116:14888_1:N:0:TCTGCAAG+GCTGCACT
TTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTACAAAGGCGTTACGTAAAGT
AGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCACTTTTTGAATATGACAGAAGCTCGC
CAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2363:24153:28948_2:N:0:TCTGCAAG+GCTGCACT
CCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTT
TACTCCTAGTGTCTCTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1623:18376:32878_1:N:0:TCTGCAAG+GCTGCACT
TCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTA
CAGTTCCTCTTTGGTGATATCGCCTCTGCTCTTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGTAC
TTG

+

FF
FFF:FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2567:29080:2347_1:N:0:TCTGCAAG+GCTGCACT
TTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCAATTGATA
CAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAA
TCT

+

FFFFFFFFFFFF:FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2575:4490:1532_1:N:0:TCTGCAAG+GCTGCACT
GATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTTCGA
TTGGATTGACGGGGTCTTCGTCTCACGACTAATTTGATAAGGTTTTCTTTTATGGGACTCTTGTTT
GTA

+

FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2376:26286:6558_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTAATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGAT
GGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGAT

+

FFFFFFFFFFFFF:FFFF:FF
FF
FFFFF

@A00721:190:HGJW7DSXY:4:1313:28149:1830_2:N:0:TCTGCAAG+GCTGCACT
GCTAAAGCCTGTCCAGTTGTGATGATGTTTCGGGCTGTGGGGATTAAGTCCCTCGTGAACTTACGA
CGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGC

+

FFFFFFFFFFFFFFFFFFFF:FF
FF
FFFFF

@A00721:190:HGJW7DSXY:4:1514:31684:3944_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTTAATAGAGGATCCTGATGACATT
ATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGA

+

FF
FF
FFFFF

@A00721:190:HGJW7DSXY:4:2201:28519:23641_2:N:0:TCTGCAAG+GCTGCACT
CTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCT
GATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGT

+

FFFF:FF
FFFFFFFFFFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1662:21974:20071_2:N:0:TCTGCAAG+GCTGCACT
CAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAGAA
AACTGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGAT

+

:F:FF,FFF:FFFFFFFFFFFF:FFFFF:FFFFFFFFFFFF,FFFF:FFFFFFFF:F,,FFFFFFFFFFFFFFFF
FFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2571:20202:8328_2:N:0:TCTGCAAG+GCTGCACT
TACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTG
CTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACT

+

FF
FF:FF

@A00721:190:HGJW7DSXY:4:2418:1714:26318_2:N:0:TCTGCAAG+GCTGCACT
TGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAAGCTATTAATAGCAGTTGCGGGGCTATAATAC
CGCCTCCAGATTACTCTAAACTGAATCCACTCTCTTGGGATATAAATG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2628:1624:24345_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTT
GTTGACTACGATCTCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGAC
CAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2226:27181:14121_1:N:0:TCTGCAAG+GCTGCACT
GACTTTTGTGCAATTTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCGAG
AAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTG
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2174:16821:32503_1:N:0:TCTGCAAG+GCTGCACT
TCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCA
TCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGCTTAT
ACC

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2373:10149:21605_1:N:0:TCTGCAAG+GCTGCACT
GTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTACTTCAACATCAAC
GACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCC GCCGACGTTTGTGCG
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1620:9091:11162_1:N:0:TCTGCAAG+GCTGCACT
ACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGT
CTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCAAGGTGAAAAGTTTGAAAT
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1351:30318:14951_1:N:0:TCTGCAAG+GCTGCACT
TAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTTCATGAAGTTCAAGGTAATACTTACCAGCACG

AAAAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAG
AGG

+

FFFFFFFFF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2339:26268:20556_1:N:0:TCTGCAAG+GCTGCACT
GACTTTGGTACCACCTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTTTAAATGCTTAACAACAA
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATG
ATG

+

F,FFFF,,FF,F,,:FFF::F,,FFF,FFF:FFFFFF:FF,FF:FF:F:FFFFFFF,FFF:FFFF,,:
FFFFFFFF,,FFFFFFFF:F:FFFF:FFFFFFFFFFFFFFFFFFFF:FFFFF,:F,FFFFF::FF,F:
:FF

@A00721:190:HGJW7DSXY:4:1336:6894:19664_1:N:0:TCTGCAAG+GCTGCACT
TCTGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAG
ACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGCGATCACTTTTCTACTAAGAATTGGTC
CTA

+

FFFFFFFFFFFFFFFF:FF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1467:23204:23766_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGT
GAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATT
TCA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2325:31891:6872_2:N:0:TCTGCAAG+GCTGCACT
GAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGAT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCAACGTAGTTTATGA

+

FFFFFFFFFFFFFFFF:FFFFFFFF:FF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:F::
:FFFFFFFF:,FFFF:FFFFFFFFFFFFFFFF::,F:FFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2224:12084:6230_1:N:0:TCTGCAAG+GCTGCACT
TACTTTCGATACTTCTATCGTCTTACGTTACGTAATTACTATAGTGTTATTTATTCTGGTGGTGATG
ATAATCTTGGAGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCC
GCC

+

FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1176:18991:1783_2:N:0:TCTGCAAG+GCTGCACT
GTTTCACAACTGAAGGAGGAGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACG
TCTTGAACCTACTTATGACGATCTAGTGAAATTAACGCGTCCTTTCT

+

FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1414:6723:15264_1:N:0:TCTGCAAG+GCTGCACT
TACTATTATGAACAAAGTTATCAAAGAGAGTGGCATTCAAGGCAAACTTACCCTGATTCCGGCCGGTG
GTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATT
ACA

+
FFFFFFF,FFF,F,FFFFFFF:FFFFFF,FFFFF:FFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFF:FFF:F
FFF,FFFFFFFFFFFF:FFF:FF::FFFFFFF:FFFFFFFFF:FFFF:FFFFFFFFFFFF,FFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2122:11722:8923_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTAT
+
FF:FFFF:FFFFFFFFFFFFFFFF:FFF:F
FFFFFFFFFFFFFFFFFFFFFFFF: :FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1547:29550:9142_1:N:0:TCTGCAAG+GCTGCACT
TTACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTA
TGAGGGTGTCTTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTT
TGG
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, :FFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1446:19849:12352_2:N:0:TCTGCAAG+GCTGCACT
TGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTTATACTATGGTTG
AATCAACTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2655:27670:15718_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTCTC
TTCTAAAAGGAACGTCAAGTTCTAACCCAAAGAGAATATCTAAATATT
+
FFFFFFFFFFFF:FFFFFF:,FFFF:,FFF,FF::, :FFFF,FF,:FFF,F:FF:F,:FF,F,FF,:
FF,FFFFFFFF:FF::,F,:FF,FFF,FF,F,FF:::FFFF,:FF,: ,F
@A00721:190:HGJW7DSXY:4:1403:14579:23923_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCCTCTTTAATGGCACTACCTCGGTACAATCTTACTTGAACGAAGGCGA
CCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG
+
FF
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1639:26838:12085_2:N:0:TCTGCAAG+GCTGCACT
TCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATC
TGGTTGCTCAATTCTAAGCGTGTCCGCTTAGTGCGAGGCCTCTCTTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFF:FFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1506:21404:19523_2:N:0:TCTGCAAG+GCTGCACT
ATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATT
TTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2616:15492:32456_1:N:0:TCTGCAAG+GCTGCACT
ATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCTAAGTGGTAATACTGTCTTTCCAAGCTT
ACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCGTAAAGGAA
GAT
+
FFFFFFFFFFFF, :FFFF:FF

FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2362:24379:12618_1:N:0:TCTGCAAG+GCTGCACT
CTACTAATGGCGTTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTCTGTTTTTAGGTGGTCTT
TATTCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAA
GAG

+

FFFFFF:FF:FFFF:FFFFFFFFFFFFFFFF
FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2335:9299:18662_2:N:0:TCTGCAAG+GCTGCACT
CCAACCTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAA
GACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAAT

+

F:FFFFFFF,:FFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1243:28519:12399_2:N:0:TCTGCAAG+GCTGCACT
ACTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATG
ATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAA

+

FF:FF
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2622:16902:2206_2:N:0:TCTGCAAG+GCTGCACT
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGACTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTAT

+

FF:FFFFF,FF:FFFFF
FF

@A00721:190:HGJW7DSXY:4:2658:31711:24627_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGA
GAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTAT

+

:FF:FFFFF
FFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1233:17888:1251_1:N:0:TCTGCAAG+GCTGCACT
TAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGA
TTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTA
ATC

+

FFFFFFFFF:FF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2440:26883:4147_1:N:0:TCTGCAAG+GCTGCACT
AGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTA
AAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAG
ATA

+

FFFFFF:FFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFFF,FFFFFFFFF:FFF:FFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1136:4237:11397_2:N:0:TCTGCAAG+GCTGCACT
CCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATT
GGTCCAACATTTACCACCAAATTTCTTTTGATACAACCTCTAGCCTTCAA

+

FFFFFF:FFFFFFF:FF,FFFF,:FFFF:FFFF,:F:F,FFF:FFFFFF:FFFFFFF:F,FFF:
F:FF:FF:F:FFFFFFF:FFF,FFFF,F:FF,:FF,:FF:FFF:FFF:

@A00721:190:HGJW7DSXY:4:1674:24153:29262_1:N:0:TCTGCAAG+GCTGCACT
ACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTGTTTTAAAGACTG
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCACAGGTTTTGAATTTAGCTCAACTGGGG
AGA

+

F,:F:FFFFFFF:FF,:FFF:FFFF:F,:FFFF:FFF,FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFF:FFF,FFFFFFFF:F,,FFF:FFFFFF:F,:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2610:3260:6198_1:N:0:TCTGCAAG+GCTGCACT
CTTGACAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGAAAAGTCCGGAGTATATTGTATGTT
AATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGT
CTG

+

F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:F:F
F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2125:32325:18709_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCAACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAT
ATA

+

F:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2321:10764:21731_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTTTGTACCAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGA
TCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATG
ACT

+

FFFF:F:FFFFF:,FFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:2212:6234:18020_2:N:0:TCTGCAAG+GCTGCACT
TCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTCTTAG
CTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGA

+

FF:FFFFFFFFFFFFF
:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2247:25274:1360_1:N:0:TCTGCAAG+GCTGCACT
TATAATATTTTATTCTATACCCATCTCAACGAGGAAAAAGCGATTTTTCGTTCACTTAATA
CACTAAGAGAAAAGCCGAAAACGACTCGAAACGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG
ATT

+

FF,F:::,FF,,,,:F,FF,,F,:F,,,,F,,,,,F,FF,,,,,FFF,F,,,,:F:F,,F::,,,
FFF,F,,,,,:,,,,,FFFFFF:FFFFFFF:FFFFFF,FFFFFFFFFFFF,F,:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1674:27651:34945_2:N:0:TCTGCAAG+GCTGCACT
CAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAA
CATGAGATACCAAGTCTATCGAAGACATTATCTCTTATGTACTTATT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FF:FF

@A00721:190:HGJW7DSXY:4:2545:28863:27273_2:N:0:TCTGCAAG+GCTGCACT
TATTCCTTTAACTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATA
CATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTC

+

FF
FFF,FF
@A00721:190:HGJW7DSXY:4:1270:25165:11287_1:N:0:TCTGCAAG+GCTGCACT

TATTTATTAAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTC
AAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTCGAC
AAA

+

FF
FF
FF:

@A00721:190:HGJW7DSXY:4:1540:25789:27586_2:N:0:TCTGCAAG+GCTGCACT
ATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAATAAGATGTATGATG
ATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACT

+

F:FF
FF
@A00721:190:HGJW7DSXY:4:2322:1244:10848_1:N:0:TCTGCAAG+GCTGCACT

CTTGGTCTATTTACCGCAAAAAGTGGGAAGAGGTCTATGATATTTATTTACTTATACTTTAAATAGC
ACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGG
TGA

+

FFFFFFFFFFFFFF:FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2158:15646:9956_2:N:0:TCTGCAAG+GCTGCACT
CATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAAC
GATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAAC

+

FFFFFFFFFFFFFF:FFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1511:27995:27336_2:N:0:TCTGCAAG+GCTGCACT
TGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGTAATGAGAGTGTATTCCTTAATATTCTAG
TAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGA

+

,FF
FFFFFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:1478:22453:6558_2:N:0:TCTGCAAG+GCTGCACT

TGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTAT
TATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1278:25952:27868_2:N:0:TCTGCAAG+GCTGCACT
ACCATAACCTACCATGACCAATCATCGCTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTACCG
CCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTG

+

FF
FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2559:31638:24095_1:N:0:TCTGCAAG+GCTGCACT
CCTTCCCACTCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAAC

FF
FFF

@A00721:190:HGJW7DSXY:4:1219:10456:9768_2:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAG
GCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAG

+
FFF:FFFF,FFFFFFFFFFFFFFFF:FFF:FFFF:FFF:::,FFFFFFFFFFFFFFFF,FF:FFFF:
FFFFFFFF:F:FF::FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1377:24505:23202_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTTTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTT
TTAGATAATCTTTTGAAGAAGGGTTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGA
TTA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1441:12897:1470_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATC
GACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACTTACCATATTGTTCC
TTC

+
FFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1169:12933:10582_1:N:0:TCTGCAAG+GCTGCACT
TTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTG
ATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCT
GTA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1234:1325:10050_2:N:0:TCTGCAAG+GCTGCACT
GTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAA
GGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATT

+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F::FFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1322:11198:22013_1:N:0:TCTGCAAG+GCTGCACT
TATCTTGAATGCTCACGCAGTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGAT
TTAGTGATTTAGATATTATTGATATTGGAGCGATATTCGTTTTCATATCCAACACTCCTTGAATGGA
GTA

+
F,FFF,,F:FFF,FF:FF,FFFFFFFFF,:FF,FFFFFFFFFFFFFFFFFFFFFFFF:F,FFFF,F:FFF
FF:FFFF:F,F::FFFFFFFF:FFF:FF,F,,FFFF:FF:FF:FF,FFFF:,FFF,FFFF:F::F
FF,

@A00721:190:HGJW7DSXY:4:2601:12554:3756_2:N:0:TCTGCAAG+GCTGCACT
CCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACAGTGAGTTGGAACGTACCTACTC
ACGAGACGTCATGAAAGCTATCGGCGGAAGCAAAATGTGTCGTTCTG

+
F:,FFFF,FFFF,::F,,F:,F,,FFF,,FF::FF,F,,:FFFF,,:,F,,,FFF:FF:FFF,FF,F
FF,FFF:F:FFF,FF::F::FFF:,F::F,FFFF:F:::,F:FFFFFF

@A00721:190:HGJW7DSXY:4:2559:30400:2221_2:N:0:TCTGCAAG+GCTGCACT
AAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTTGATGATGTAGCCACTATAATGCTT

+

@A00721:190:HGJW7DSXY:4:1445:4616:8547_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2212:18701:12555_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1509:1588:24815 1:N:0:TCTGCAAG+GCTGCACT

 $+$

@A00721:190:HGJW7DSXY:4:1466:32633:22968_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1452:15881:15280 1:N:0:TCTGCAAG+GCTGCACT

 $+$

@A00721:190:HGJW7DSXY:4:2232:18340:7545 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2121:12084:20134 1:N:0:TCTGCAAG+GCTGCACT

+

[illegible]

@A00721:190:HGJW7DSXY:4:2647:19922:13072_1:N:0:TCTGCAAG+GCTGCACT
CTTGGTATTTCTGAAATAGTTTATCAGAGCGTCATTTTCTTTGGGATCTTTCCTCTGGTAAGGGAAT
TATTAAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCA
AAA

@A00721:190:HGJW7DSXY:4:2445:21802:30013_2:N:0:TCTGCAAG+GCTGCACT
TACAGAGTGCAGTCGTTTCAACACTTATCACCCTTTTCAAAGGAAAATAATTGGTGATGAAAATACG
TATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGG

@A00721:190:HGJW7DSXY:4:2323:26946:5008_2:N:0:TCTGCAAG+GCTGCACT
TTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAACTATCAGGTTCTTGTCACGATTCTTAA
AAGAAGTTTATTAATAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAA

@A00721:190:HGJW7DSXY:4:2377:25084:25457_2:N:0:TCTGCAAG+GCTGCACT
ACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACG
AGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCACAAGCAATACC

@A00721:190:HGJW7DSXY:4:1645:2121:28338_2:N:0:TCTGCAAG+GCTGCACT
GTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTT
TTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGG

@A00721:190:HGJW7DSXY:4:2514:20410:36652_2:N:0:TCTGCAAG+GCTGCACT
ACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGG
TATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAG

@A00721:190:HGJW7DSXY:4:2121:13268:1297_2:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGGACTTTAGCA
ACTTTAGATAAAATCTTTCCGGGCTCAATGACCTTTGCTATGTACGTG

@A00721:190:HGJW7DSXY:4:2323:19343:30295_1:N:0:TCTGCAAG+GCTGCACT
TTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTACAAAGGCGTTACGTAAAGT
AGTTTTCACGCTTTATCTTAAAGCATTACCACCAATTTAGCACTTTTTGAATATGACAGAAGCTCGC
CAT

[illegible]

@A00721:190:HGJW7DSXY:4:2466:7139:23844_2:N:0:TCTGCAAG+GCTGCACT
CCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTT
TACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGAT

+

FF
FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1623:7780:36292_1:N:0:TCTGCAAG+GCTGCACT
TCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTA
CAGTTCTCTTTGGTGATATCGCCTCTGTCTTTCTCTTTAATCGTGAGGTTACGAGAGTTTCGTAC
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2606:20735:9846_1:N:0:TCTGCAAG+GCTGCACT
TTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGTTCTATTACCACCCTTGTCAATTGATA
CAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAA
TCT

+

FFF:FFFFFFFF:FF
:FFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1141:10429:20149_2:N:0:TCTGCAAG+GCTGCACT
GGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTCGATTGGATTCGACGGGGTC
TTCGTCTCACGACTAATTTGATAAGGTTTTTCTTTTATGGGACTCTTG

+

FFF:FF
FF

@A00721:190:HGJW7DSXY:4:1270:18177:15374_1:N:0:TCTGCAAG+GCTGCACT
ATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGT
TTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTA
TGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2633:25373:24111_2:N:0:TCTGCAAG+GCTGCACT
TCGATGATGTTGGGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATT
TCACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1526:5448:36573_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATT
ATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGA

+

FF
FFFFFF:FF

@A00721:190:HGJW7DSXY:4:2443:27715:30639_2:N:0:TCTGCAAG+GCTGCACT
CTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTACGGGTGCCCT
GATGAGGACGTTGAAAGGATAATTTCAACTCTGAGACTTCTAAGAGT

+

F:FF:FFFF:FF
FFFF:FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:2225:14136:17425_2:N:0:TCTGCAAG+GCTGCACT
CAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGAGAA
AACTGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGAT

+

FFFFFFFFF,,, :FFFF:FFF,FFF:FF,F:FF,,,FFF:FFFFFFFF,FFF,FFFFFFFF:FFFF
F:FFFF:F,:FFFFFFFF,F:FFF:FF,FFFFFFFFF:FFF,F:FF

@A00721:190:HGJW7DSXY:4:2628:4472:29403_2:N:0:TCTGCAAG+GCTGCACT
TACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTG
CTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAAACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2660:26811:12101_2:N:0:TCTGCAAG+GCTGCACT
TGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATAC
CGCCTCCAGATTACTCTAAACTGAATCCACTCTCTTGGGATATAAATG

+

FFFFFFFFF: :FFFFFFFFFFFFFFFFF: :FFFFFFFFFFFFFFFFF: :FF:FF:F: :FFFF:FFFF
F:FFFFFFFFFFFFFFFFF, :FF:F:FFFFF: :,, :FFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2635:16613:13479_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTT
GTTGACTACGATCTCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGAC
CAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2646:2844:23829_1:N:0:TCTGCAAG+GCTGCACT
GACTTTTGTGCAATTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCGAG
AAGAGATAGTGACTAAAGTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTG
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2174:16839:32503_1:N:0:TCTGCAAG+GCTGCACT
TCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCA
TCGACGAATTATTGATGATTACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTTAT
ACC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2638:5141:7921_1:N:0:TCTGCAAG+GCTGCACT
GTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTACTTCAACATCAAC
GACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCG
CGA

+

FFFFFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2322:30065:31986_1:N:0:TCTGCAAG+GCTGCACT
ACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGT
CTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCAAGGTGAAAAGTTTGAAT
TAA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1372:16161:30796_1:N:0:TCTGCAAG+GCTGCACT
TAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTTCATGAAGTTCAAGTAATACTTACCAGCACG
TTCGGCTGGTTAGAATTAAACCTCAAGATGACCCTGTTTTTGCATCACAACACATATTACCGTTGCT
CTA

+
FF
FF
F:F

@A00721:190:HGJW7DSXY:4:1501:24813:5415_1:N:0:TCTGCAAG+GCTGCACT
CTTTACTATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAG
GAACTGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGA
GTA

+
:FFFFF,:FFFFFFFFFFFF,FFF,FFF,,F:,FF:FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF:FFF:FFFFF::FFFF
FFF

@A00721:190:HGJW7DSXY:4:1340:19425:31469_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACCTCGGTAATCTTTC

+
FFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1664:31521:28526_2:N:0:TCTGCAAG+GCTGCACT
TGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGC
GCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGT

+
FFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1636:8883:32471_2:N:0:TCTGCAAG+GCTGCACT
ATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCAACGGAAGACATATCGCACCCGAAATT
TTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGATCAG

+
FFF
FF

@A00721:190:HGJW7DSXY:4:2150:1181:33254_2:N:0:TCTGCAAG+GCTGCACT
TAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACG
CTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATT

+
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF,FFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2647:8712:4492_1:N:0:TCTGCAAG+GCTGCACT
TGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAG
CATAACCCCGCACAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGGACCTATCTTTAA
GGT

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1324:32615:4523_1:N:0:TCTGCAAG+GCTGCACT
AGCTCTTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTTCGAAGTTTGAC

AAATCTCAAGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGA
ATT

+

FFF,F::FFFFFFFF,FFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2152:3495:9236_2:N:0:TCTGCAAG+GCTGCACT
AGTGCCAGTGAATATTTTGTACGCCAGGAGTATCCATAACGATTTGTCAATTACCACCTTGCTCA
ACGACGAAGTGAACGGCCAACACTTTCTTTGGTAATTGTATGATCAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1173:7084:5995_2:N:0:TCTGCAAG+GCTGCACT
TATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGACGATTCCATTCTGTTT
TCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAAT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1274:8097:19085_2:N:0:TCTGCAAG+GCTGCACT
ATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAGATTCTGTTAGTTT
TAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATT

+

FF:FFFFFFFF:FFFFFFFF:F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:,FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1358:27082:27477_2:N:0:TCTGCAAG+GCTGCACT
ATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCA
AATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTT

+

FF
FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1645:1461:28354_1:N:0:TCTGCAAG+GCTGCACT
ACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATT
CATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGAT
ATT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFF,FFFFF:
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2202:22616:23938_2:N:0:TCTGCAAG+GCTGCACT
CTAAATTCGGTAACGTTGCGTGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGAT
ACTTATAACGAAAGGACTTGAGTCTTTTATCAGTCTCTGACTTGACC

+

FF:FFFF:FFF:,F,:FFFFFFFFFFFF,:FFFFFFFF:F,FFFFFFFF::F,F:, ,FFF,FFF
:FFF,F,F,:FFFFFF:FF,F,F:FF,: ,FFFFFFFF,F,: ,:FFFF

@A00721:190:HGJW7DSXY:4:2225:23086:5494_2:N:0:TCTGCAAG+GCTGCACT
TAAATGACGATCATTAAGACTCTCTTCTCTTTGTTTCTTCTTTGCACTGATTTTCTCATCAGC
TTGTGTTTTACCTAATCTGTGTTTTACGATAACAACATCATGTTGAT

+

FFFFFFFFFFFFFFFFFFFF,FFFF::FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFF,FFFFFF

@A00721:190:HGJW7DSXY:4:1274:28483:17315_1:N:0:TCTGCAAG+GCTGCACT
CCGAAAGGCGAAGTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAACTGTGG
TGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACG
ATA

+
FFFFF:FFFFFFFFFFFFFFFF:FFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2203:24804:23782_1:N:0:TCTGCAAG+GCTGCACT
TCTCTATTTTAAGTTTTGTCTTCCTTGTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATT
AAAAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAG
AGG
+
FF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2411:28763:4554_1:N:0:TCTGCAAG+GCTGCACT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAA
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATG
ATG
+
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1465:7907:33974_1:N:0:TCTGCAAG+GCTGCACT
TCTGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGTTAATTCTAAAACATTACCCGAAAG
ACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGCGCATCACTTTTACTAAGAATTGGTC
CTA
+
FF:FFFFFFFFF:FF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1575:31485:1971_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTATCGTTTCTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGT
GAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATT
TCA
+
F:F:FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFF:FFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2358:2257:9283_2:N:0:TCTGCAAG+GCTGCACT
GAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTGTTCGAT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTATGA
+
FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
F,FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2364:21793:21574_1:N:0:TCTGCAAG+GCTGCACT
TACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATG
ATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCCTTATTACGGCGCACTTCTTACCC
GCC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1408:17553:15107_2:N:0:TCTGCAAG+GCTGCACT
GTTTCACAACCTGAAGGAGGAGTTTCTGTACTGGAAAACCTCGTCAATACTTTTCAATAATATACG
TCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCT
+

[illegible]

@A00721:190:HGJW7DSXY:4:1156:18891:36213_2:N:0:TCTGCAAG+GCTGCACT
CCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATT
GGTCCAACATTTACCACCAAATTCCTTTTGATACAACCTCTAGCCTTCAA

@A00721:190:HGJW7DSXY:4:2340:24831:17002_1:N:0:TCTGCAAG+GCTGCACT
ACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTGTTTTAAAGACTG
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGG
AGA

@A00721:190:HGJW7DSXY:4:1230:1362:27806_2:N:0:TCTGCAAG+GCTGCACT
TTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATGTTAA
TAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTA

@A00721:190:HGJW7DSXY:4:2171:3504:33270_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAT
ATA

@A00721:190:HGJW7DSXY:4:2353:22914:25081_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTTTGTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACTGA
TCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATG
ACT

@A00721:190:HGJW7DSXY:4:2502:31367:31140_2:N:0:TCTGCAAG+GCTGCACT
TCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAG
CTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGA

@A00721:190:HGJW7DSXY:4:2424:29821:22200_1:N:0:TCTGCAAG+GCTGCACT
TATAATATTTTTATACTCAACACCCAACACACCGAGTATAACGCTATTTTTCCGACCTTAACTAAATC
CCCCAAGAGAACACCCCCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG
ACT

@A00721:190:HGJW7DSXY:4:2534:3115:25488_2:N:0:TCTGCAAG+GCTGCACT
CAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAA

CATGAGATACCCAAGTCTATCGAAGACATTATCTCTTATGTACTTATT
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFF:FFFFF,FFFFFFFF:FFF:FFF:FFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1147:21160:3568_2:N:0:TCTGCAAG+GCTGCACT
CTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTT
CAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1237:18448:23109_2:N:0:TCTGCAAG+GCTGCACT
TTAAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAA
CTTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAAT
+
FF:FFFFFFFFFFFFFFFF
FFFF:FF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:1377:8513:19961_2:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATT
+
FFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF,FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2537:32777:31266_1:N:0:TCTGCAAG+GCTGCACT
CTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGGAGAGGTCTATGATATTTATTTTA
CTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAG
ATT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2502:14488:34601_2:N:0:TCTGCAAG+GCTGCACT
GGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAA
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1532:28176:7889_2:N:0:TCTGCAAG+GCTGCACT
CTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGT
GTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTT
+
F:FF
FF,FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1502:32533:25864_2:N:0:TCTGCAAG+GCTGCACT
TGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTAT
TATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC
+
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFF:FFFFF,FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1351:8495:4867_2:N:0:TCTGCAAG+GCTGCACT
ACCATAACCTACCATGACCAATCATCGCTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTACCG
CCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTG
+
FF
FF

@A00721:190:HGJW7DSXY:4:2608:24053:35196_1:N:0:TCTGCAAG+GCTGCACT
CCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAAC
GGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATC
TCT

+

FFF,FFFF,FFF::F,FF:FFFFFF,FF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFF
FFFFFFFF:FFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1574:28655:35587_2:N:0:TCTGCAAG+GCTGCACT
CAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGC
CATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2127:21459:17895_2:N:0:TCTGCAAG+GCTGCACT
AAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAG
GAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCC

+

FFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF,F,F,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2355:1985:2644_2:N:0:TCTGCAAG+GCTGCACT
ATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCA
AAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1243:28700:5196_2:N:0:TCTGCAAG+GCTGCACT
GCCTGCCGACCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTATGAGCAAATCTG
TTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:1668:26702:31266_2:N:0:TCTGCAAG+GCTGCACT
CGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGCCGGTGACGTTTTTGTCAACGGCGTT
TGGAGGATTTATCCGCGCTTAACATATGGGGCGAAGATCCCCTATGGA

+

FF:F
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2508:11107:34663_2:N:0:TCTGCAAG+GCTGCACT
TTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACA
AGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGG

+

FF:
FFFFFFFFFFFFFF,FFFFFFFFFF:FFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1577:28890:14638_2:N:0:TCTGCAAG+GCTGCACT
ATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTAGACGTTGTC
ACACTTTTCTGAAAATTTTCTTTCTCCGTCATTGGGGATTTCGA

+

FFFFFFFF:FFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:.:FFFFFFFF,FFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFF:F,

@A00721:190:HGJW7DSXY:4:1473:4544:36542_1:N:0:TCTGCAAG+GCTGCACT
GGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACG
GCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTA
ACT

+
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFF,FF:FFFFFFFF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1532:25292:6308_2:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAGCTCTGAAAAGGAAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAG
GCTCTAGAGAAGATCTCACACCTGGAGAAGGCAAGTGGAGAGTCCAG
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2414:9616:28354_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTTTTGAAGCAGGGGTACCCTTCCTAAGGTGGATGAGGGAGGTTGTTTTCTTTGGAGTT
TTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGA
TTA
+
FF:FFFFFFFF:FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1522:26060:8390_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGGAGTATC
GACAGATCTTTCGATCTTGAGGACGTACATTAAACGTGGCAGAATTCGGTAACTTACCATATTGTTCC
TTC
+
FFFFF:FF:FFF:,FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1206:25274:33865_1:N:0:TCTGCAAG+GCTGCACT
TTTAACTTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTG
ATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCT
GTA
+
FF:FFF:FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1246:13919:35023_2:N:0:TCTGCAAG+GCTGCACT
GTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCTGTACCTTACAA
GGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATT
+
FFFFF,FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFFF:FFFFFFF:FFFFFFF:FFFFFFFFFFFF:FFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1608:5113:36683_1:N:0:TCTGCAAG+GCTGCACT
TATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGAT
TTAGTGATTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAAACCTCTTGAATGGA
GTA
+
FFF:FFFFFFF,:FFF:FFFFFFFFFFFFFFFF
FFF:FFFFF,FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1108:17445:12727_1:N:0:TCTGCAAG+GCTGCACT
CTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCA
CGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTG
TGA
+

:FFFF:,F:FFFFFFFFFFFFFFFF:F:F,FF
FF:

@A00721:190:HGJW7DSXY:4:1218:7518:10222_1:N:0:TCTGCAAG+GCTGCACT
GTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGA
GATTGATGTATGTCATTTCTGTCTTAGTTTGTCCCGCGAATTATTGGACACGATGAAAAATGACATAC
CCG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1524:18258:27070_2:N:0:TCTGCAAG+GCTGCACT
TCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTATTCTCACAACAAAG
ATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGAC

+
FF
FF

@A00721:190:HGJW7DSXY:4:1527:11397:1658_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTATGAGTTCGAATAACTCGTAATAAATCTTTCTCTAG
TGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTG
ATT

+
:FFFFFFFFF,,FF:FFFFFFFFF:FFFFF,FFF:,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1608:1561:30405_2:N:0:TCTGCAAG+GCTGCACT
AAATTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTAGTACGTATGGGGA
TCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGC

+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FF:F

@A00721:190:HGJW7DSXY:4:1367:1877:11036_1:N:0:TCTGCAAG+GCTGCACT
GTATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTATATAGATACGAGATACCTAGAGAAGGTC
GCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGTTACACGTTATGCTCGCAAACCTAA
CGT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1159:10004:3975_2:N:0:TCTGCAAG+GCTGCACT
CTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCTACGGTGACTTTATGGACAAGATGCCAG
TTCTTGGAATACTTGTTTCCCTTTTGTAGTTTAGTAGGTGATCTTG

+
FF,FF
FFFFFFFFF:FFFFF:FFFFF:F,:F:FFFFF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1130:3025:37012_1:N:0:TCTGCAAG+GCTGCACT
CCGATCTAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAA
ATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGNCGTTGTTCTTGAAAACCAAG
TTA

+
:FF
FF#FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1276:32425:26428_2:N:0:TCTGCAAG+GCTGCACT
AGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTGGATTGAAGG

$+$

@

+

@

+

@

+

@

+

@

+

@

+

@

+

@

+

[illegible]

@A00721:190:HGJW7DSXY:4:2447:5719:2691_1:N:0:TCTGCAAG+GCTGCACT
TTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCTTCACTACAAAGCGTTACGTAAAGT
AGTTTTCACGCTTTATCTTAAAGCATTACCACCAATTTAGCACTTTTTGAATATGACAGAAGCTCGC
CAT

+

FFFFFFFFF,FFF,FFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2641:11695:20682_2:N:0:TCTGCAAG+GCTGCACT
CCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTT
TACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGAT

+

FFF:F:FFFFFFFFFFFFFFFFF
FFFFFFF,FFFF:FFF

@A00721:190:HGJW7DSXY:4:2209:5376:20697_1:N:0:TCTGCAAG+GCTGCACT
TCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTA
CAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGTAC
TTG

+

FFF:,FFFFFFFFFFFFFFFFF
F:F:FFF
FFF

@A00721:190:HGJW7DSXY:4:1453:11885:36260_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTGACGAAGTTCTATTACCACCCTTGTCAATTGATAC
AAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCGTCTTACCTATTTACAAT
CTG

+

FFF
FF,FFF
FFF

@A00721:190:HGJW7DSXY:4:1156:24008:22874_2:N:0:TCTGCAAG+GCTGCACT
GGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTTCGATTGGATTGACGGGGTC
TTCGTCTCACGACTAATTTGATAAGGTTTTTCTTTTATGGGACTCTTG

+

FFF:F:FF:FFFFFFFFFFFFFFFFF,FF
FFF:F:FFFFF,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1405:5276:27195_1:N:0:TCTGCAAG+GCTGCACT
ATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGT
TTCACATTGCGTGATCACTTCCCGTGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTA
TGT

+

FFFFFFFFF:FFFFFFFFFFFF:FFFFFFF:F:FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FF:F:FFF
FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:2675:29541:3928_2:N:0:TCTGCAAG+GCTGCACT
TCGATGATGTTGGGCTGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATT
TCACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAA

+

FFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFF

@A00721:190:HGJW7DSXY:4:1571:17906:32064_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCAGATGACATT
ATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGA

+

[illegible]

@A00721:190:HGJW7DSXY:4:1372:12915:12023_1:N:0:TCTGCAAG+GCTGCACT
AGCTCATGGTGAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCA
CAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGACCTATCTTTAAGGTTCTTGAG
GAG

+

FF
FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1516:22625:23390_1:N:0:TCTGCAAG+GCTGCACT
AGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGTTGAAATCGATTTTTTCGAAGTTGAC
AAATCTCAAGATTTCTTTGTAAAGCCTATGAGATAAAGATGTATTCTTATTAGGCTTCGATGCTGA
ATT

+

FFFF:FFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2218:9399:30076_2:N:0:TCTGCAAG+GCTGCACT
AGTGCCAGTGAATATTTTTGTACGCCAGGAGTATCCATAACGATTTGTCAATTACCACCTTGCTCA
ACGACGAAGTGAACGGCCAACACTTTCTTTGGTAATTGTATGATCAC

+

FFF:FFF,FFFF:,FFFFFFFFFFFF:FFFFFFFFFFFF,FF,FF:FFF:FFFFFFFF,F:FFF
FFFFFFFF:FFFFF,FFFF:FFFFFFFF:F:FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1523:25744:36933_2:N:0:TCTGCAAG+GCTGCACT
TATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTGGTTGTCGCTGGGACGATTCCATTCTGTTT
TCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAAT

+

FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFF,

@A00721:190:HGJW7DSXY:4:1536:1380:26772_2:N:0:TCTGCAAG+GCTGCACT
ATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTGTAGGACTTTGGGAGAGATTCTGTTAGTTT
TAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATT

+

FF:FFFFFFFFFFFFFFFF
FF:FFF

@A00721:190:HGJW7DSXY:4:1427:20726:24768_2:N:0:TCTGCAAG+GCTGCACT
ATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCA
AATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTT

+

FF
F:FF:FFFFF

@A00721:190:HGJW7DSXY:4:2253:15049:35509_1:N:0:TCTGCAAG+GCTGCACT
ACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATT
CATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGAT
ATT

+

FFFFFFF:FFF:FFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2332:8260:36526_2:N:0:TCTGCAAG+GCTGCACT
CTAAATTCGGTAACGGTGCCTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGAT
ACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2230:2483:16908_2:N:0:TCTGCAAG+GCTGCACT
TAAATGACGATCATTAAGACTCTCTTTCTTTCTTTGTTTCTTTGCACTGATTTTCTCATCAGC
TTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATATCAGTTGAT

+

FFFFFFFFFFFFFFFFFFFF:FFFF:FF:FFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1430:10185:20008_1:N:0:TCTGCAAG+GCTGCACT
CCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAACTGTGG
TGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACG
ATA

+

F:FFFF:FFFFFFFF:FF:FFFF:
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:2203:25229:23829_1:N:0:TCTGCAAG+GCTGCACT
TCTCTATTTTAAAGTTTTGTCTTCTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATT
AAAAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAG
AGG

+

FFF:FFFFFFFF:FFFFFFFFFFFFFF:FF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2603:2510:15421_1:N:0:TCTGCAAG+GCTGCACT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCTCTTCGAATGAAGTTTAAATGCTTAACAACAA
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATG
ATG

+

FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF:FF:FFFFFFFFFFFF
FF:FFFFFF:FFFFFFFFFFFF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1465:7934:34021_1:N:0:TCTGCAAG+GCTGCACT
TCTGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGTTAATTCTAAAACATTACCCGAAAG
ACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGCGATCACTTTTCTACTAAGAATTGGTC
CTA

+

FF:FFFFFFFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1640:24035:16063_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGT
GAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATT
TCA

+

FF:FFFFFFFF
FFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2517:32045:21010_2:N:0:TCTGCAAG+GCTGCACT
GAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTTTGCTTCGAT
GTTGGATGTCAAGAAGGTTTCAAGTGGATTCTACGTAGTTTATGA

+

FF
FFFFFFFFFFFF,FF:FFFF:FFFF:FFFFFFFFFFFFFFFF,F

@A00721:190:HGJW7DSXY:4:2608:31467:16564_1:N:0:TCTGCAAG+GCTGCACT
TACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATG

ATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCC
GCC

+

FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1535:28257:1673_2:N:0:TCTGCAAG+GCTGCACT
GTTTCACAACTGAAGGAGGAGGTTTCTGTACTGGAAAACCTCGTCAATACTTTTCAATAATATACG
TCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCT

+

FF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFF

@A00721:190:HGJW7DSXY:4:1453:31394:20384_1:N:0:TCTGCAAG+GCTGCACT
TACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACTTACCCTGATTCCGGCCGGTG
GTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGTAATT
ACA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2146:7166:18255_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGACTCTTCGTCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGCTCTATCAAGCTCGTATTAT

+

F:FFF:FFFFFF:FF,FFFFF
FFFFFFFFFFFF:FFFF::FF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1570:8811:35947_1:N:0:TCTGCAAG+GCTGCACT
TTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTCACTCTGGCCTTGTA
TGAGGGTGTTTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTT
TGG

+

FFF
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2659:22860:11334_2:N:0:TCTGCAAG+GCTGCACT
TGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTTATACTATGGTTG
AATCAACTAAGCATACTACTTTTGCTTTGATTACTCTACCGCCTTACA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF
FF

@A00721:190:HGJW7DSXY:4:1224:27190:10974_2:N:0:TCTGCAAG+GCTGCACT
ATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGG
AACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCA

+

F:FFFF,FF,F:,,:F:FFF,FF::FFFFFF:F::,FFFF,FFF:FFFFFFFFF:,,:F:FFFF,F
FFF::FFF:FF,FF:FF:FFFFFF:,FF:,FFF,FFFF::FFF,,,

@A00721:190:HGJW7DSXY:4:1505:3134:1752_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCCTCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGA
CCTGTTCCGGAGTTTTTACGGGATCCGGAATGTGCTGTCTATATTAGG

+

FF:FFFFF
FFFFFF,F:FFF::FF:FFFF,FFFFFF,FF,FFFF:FF,FFFF

@A00721:190:HGJW7DSXY:4:2378:31150:36307_2:N:0:TCTGCAAG+GCTGCACT
TCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATC

TGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCCTCTCTTC
+
FFFFFFFF:FFFF:FFFF:,FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF,F
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFF:FFFFFF,FFFF:FF:
@A00721:190:HGJW7DSXY:4:1661:2227:18912_2:N:0:TCTGCAAG+GCTGCACT
ATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATT
TTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTT
+
FF,FFFFF
FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1532:29035:35336_2:N:0:TCTGCAAG+GCTGCACT
TTTGTGTGAATAGGGTCATCAACTTAGAACTCGAACTCTAAGTGTAATACTGTCTTCCAAGCTTA
CCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCG
+
FF
FFFFFFFF:FFFFFFFFFFFFFFFF,F,FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2240:29432:8750_1:N:0:TCTGCAAG+GCTGCACT
TACTAATGGCGTTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTCGTTTTTAGGTGGTCTTT
ATTCTATTATTGATTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAG
AG
+
FFFF::F,FFFF:FFFFFFFF, :FFFF:FFFF:FFFF::F:FFFF,FFFFFFFFFFFFFFFF
FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFF,FF
FF
@A00721:190:HGJW7DSXY:4:2353:14597:17503_2:N:0:TCTGCAAG+GCTGCACT
CCAACTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAA
GACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAAT
+
FFFFFFFFFFFFFFFF:F:FFFFFF:FF,FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1255:1814:31626_2:N:0:TCTGCAAG+GCTGCACT
ACTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATG
ATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAA
+
FFF,FF:F
FF
@A00721:190:HGJW7DSXY:4:2630:30626:4304_2:N:0:TCTGCAAG+GCTGCACT
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGACTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: ,FFFFF,FFFFFFFFFFFFFFFFFFFF
FFFFFFFF: :FFFFFFFF:F:FFFFFF, ,FFFFFF
@A00721:190:HGJW7DSXY:4:1152:22318:28307_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAAC
TAACATGTTATGTTCTCTGATCATTTTGACAATCTCTTATAATAATAAATAAATAATATTACT
AAT
+
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
:FF
@A00721:190:HGJW7DSXY:4:1262:26666:14606_1:N:0:TCTGCAAG+GCTGCACT
AAAGGCTCCAGTCAACACTAGTTCGAGTGCTGTTTGGATTACGATGACGTGAGAATAGGTGAAGGGA
TAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAATGAAGGAC
ACT

+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2123:3251:21057_1:N:0:TCTGCAAG+GCTGCACT
TCTAAAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGT
GGAGATATCGTGATATCAGTACGTCCAGATCCTCTGCTTTTACCGATAACGATAAATTCGTCATCAAA
TAT
+
F:FFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFF
FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1656:29451:32675_2:N:0:TCTGCAAG+GCTGCACT
CCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATT
GGTCCAACATTTACCACCAAATTCCTTTTGATACAACCTCTAGCCTTCAA
+
F,,FFF,FFFF:F:FFFFFFFF,,FFFF:F::FFFFF:,FFFF,FFFF,FFF,,F:FFF,FF,,
:FF,F::FF,FF:F:FFFF,FF:FF,,F:F,F,F:F:FF:FF:FFFF,F,
@A00721:190:HGJW7DSXY:4:2469:24641:3396_1:N:0:TCTGCAAG+GCTGCACT
ACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTG
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGG
AGA
+
FF,FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1230:1814:28025_2:N:0:TCTGCAAG+GCTGCACT
TTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATGTTAA
TAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTA
+
FFFFFFFF:FFFFFFFF:FF:FF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2218:22607:27680_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCAACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAT
ATA
+
F:FFFF:F::FFFFF,FF
FFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2373:6343:30044_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTTTGTACCAAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGA
TCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATG
ACT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1311:25635:23907_2:N:0:TCTGCAAG+GCTGCACT
TATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGA
TTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGAT
+
FF
FFFFFFFFFFFFFFFF,FFFFFFFF:FF:FFFFFFFFFFFF,FFFFFF

@A00721:190:HGJW7DSXY:4:1433:16794:27320_1:N:0:TCTGCAAG+GCTGCACT
ATTTCTGCTCTACACCACTCTCAACGAGTATAAAGCGAGTTTTTCGTCTTAACGTAATACACTAAGA
GATCTTCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT

+

FF:F,,F,,,F,FFF,,F:F::,,,F,:F,F::,,,FFFF::,,,F::,,FF,,,,F::,,
,F,F,,FF,FF,F::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2548:8449:26553_2:N:0:TCTGCAAG+GCTGCACT
CAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAA
CATGAGATACCCAAGTCTATCGAAGACATTATCTCTTATGTACTTATT

+

FFF:
FFF

@A00721:190:HGJW7DSXY:4:1230:29261:16282_2:N:0:TCTGCAAG+GCTGCACT
CTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTT
CAAATCATCTTTACTCACAGACTCCGAAAATGTTTCAAATGAGGTCA

+

FFF:
FFF:FFF:F

@A00721:190:HGJW7DSXY:4:2233:8865:3505_2:N:0:TCTGCAAG+GCTGCACT
TTAAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAA
CTTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAAT

+

FFF:
FFFFF::FFF

@A00721:190:HGJW7DSXY:4:1650:15799:31109_2:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATT

+

FFFFFFF:FFF:
FFF

@A00721:190:HGJW7DSXY:4:2570:4562:20823_1:N:0:TCTGCAAG+GCTGCACT
CTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTA
CTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAG
ATT

+

:FFF:FFF:
FFF:
FFF

@A00721:190:HGJW7DSXY:4:2577:21206:14857_2:N:0:TCTGCAAG+GCTGCACT
GGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAA
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAAT

+

FFF:
FFF

@A00721:190:HGJW7DSXY:4:1606:17011:3114_2:N:0:TCTGCAAG+GCTGCACT
CTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGT
GTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTT

+

FFF:
FFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FF

@A00721:190:HGJW7DSXY:4:1610:7717:1673_2:N:0:TCTGCAAG+GCTGCACT
TGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTAT
TATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC

+

FFF:FFF:FF:
FF
@A00721:190:HGJW7DSXY:4:1527:26612:14011_2:N:0:TCTGCAAG+GCTGCACT
ACCATAACCTACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACTACCG
CCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACAGGACCCGCTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1354:1814:14278_1:N:0:TCTGCAAG+GCTGCACT
CTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACG
GGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCT
CT
+
::FF:
FF
FF
@A00721:190:HGJW7DSXY:4:1674:14895:1423_2:N:0:TCTGCAAG+GCTGCACT
CAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGC
CATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCC
+
FF
FFF:FF,FF
@A00721:190:HGJW7DSXY:4:2344:16749:7952_2:N:0:TCTGCAAG+GCTGCACT
AAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAG
GAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2554:14859:8249_2:N:0:TCTGCAAG+GCTGCACT
ATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCA
AAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1643:27724:12774_2:N:0:TCTGCAAG+GCTGCACT
GCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTGTCGCTACTATGAGCAAATCGG
GTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGC
+
FFF:FFF::FFF:FF:
,FFFFFFFF:F::FFF,FFFFFFFF:F,FFFF,FFFFFFFF,FF:FFFF
@A00721:190:HGJW7DSXY:4:1672:21025:32643_2:N:0:TCTGCAAG+GCTGCACT
CGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGCCGGTGACGTTTTTGTCAACGGCGTT
TGGAGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGA
+
FFFFF:FF
FFFFF,FF
@A00721:190:HGJW7DSXY:4:2405:19280:8202_2:N:0:TCTGCAAG+GCTGCACT
GGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAG
AGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGC
+
FF:FF:
FF
@A00721:190:HGJW7DSXY:4:1601:2871:3552_2:N:0:TCTGCAAG+GCTGCACT
ATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCCCACATATGGTAGACGTTGTC

ACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTCGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2124:8006:32612_1:N:0:TCTGCAAG+GCTGCACT
GGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACG
GCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTA
ACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::F,FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1561:12762:1799_2:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAG
GCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAG
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFFF:FFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2446:14172:17206_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTTTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTT
TTAGATAATCTTTTGAAGAAGGGTTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGA
TTA
+
FFFF,F:FFFFFFFFFFFF:FFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:
F:FF,F:,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1537:32054:36558_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATC
GACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTTCGGTAACCTACCATATTGTTCC
TTC
+
:FFFFFFFFF,:FFFFFFFF,FF:FFFFFFFFFFFF:FFFF:FF:FFFFFFFFF,F::FFFFFFFFF
FF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1313:2410:18411_1:N:0:TCTGCAAG+GCTGCACT
TTTAACTTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTG
ATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCT
GTA
+
FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1312:1262:2581_2:N:0:TCTGCAAG+GCTGCACT
GTTTTTGCCGACTTTAACAATTCTAAGAGTCTTTATGATTCAAAAATATCGTTGTCGTACCTTACAA
GGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATT
+
FFFFF,FF,FFF,FFFF,F,:F:FF:FFFF,FF,,FFFFFFF:,FFF:,F,F,F,,:F,F:FF,FF
,F:FFFF,F,F,FFFF,F,F::FFFFFF,::FF,FFFFFF:,FFF::
@A00721:190:HGJW7DSXY:4:2101:15646:17534_1:N:0:TCTGCAAG+GCTGCACT
TATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGAT
TTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAAATCCTTGAATGGA
GTA
+
FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

FF
FFF

@A00721:190:HGJW7DSXY:4:1130:1063:10410_1:N:0:TCTGCAAG+GCTGCACT
CTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCA
CGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTG
TGA

+
FFF,FF:FFFFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1558:21685:21919_1:N:0:TCTGCAAG+GCTGCACT
GTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGA
GATTGATGTATGTCATTTCTGCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGACATAC
CCG

+
FF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1527:18756:15311_2:N:0:TCTGCAAG+GCTGCACT
TCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTATTCTCACAACAAAG
ATAAGATTTTATCTTTCTTCAAACACCCTGTTTCTTAAGGGCGGAC

+
FF: F
FF

@A00721:190:HGJW7DSXY:4:1637:5086:11303_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTATGAGTTCGGAATAACTCGTAATAAATCTTTCTCTAG
TGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTG
ATT

+
FF
FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2144:3821:25708_2:N:0:TCTGCAAG+GCTGCACT
AAATTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTAGTACGTCATGGGGA
TCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGC

+
FF
FF:FF

@A00721:190:HGJW7DSXY:4:1467:23538:35806_1:N:0:TCTGCAAG+GCTGCACT
GTATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTCAATAGATACGAGATACCTAGAGAAGGTC
GCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGTTACACGTTATGCTCGCAAACCTAA
CGT

+
FFF:FF
FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1320:3369:12931_2:N:0:TCTGCAAG+GCTGCACT
CTCTGCTTCTGCGTTACTGAGAGAAAAGATTACAGACGCTACGGTGACTTTATGGACAAGATGCAAG
TTCTTGGGAAATACTTGTTTCCCTTTGTAGTTTAGTAGGTGATCTTG

+
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF,:FFFFFFFF:FFF,F
FFFFFFFF:FFFF:FFFFFFF:, ,FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2455:22652:14794_1:N:0:TCTGCAAG+GCTGCACT
CCGATCTAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAA

ATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAG
TTA

+

: : FFF, FFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: F
FF
FFF

@A00721:190:HGJW7DSXY:4:1666:22914:28682_2:N:0:TCTGCAAG+GCTGCACT
AGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTGGATTGAAGG
CTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGG

+

FF, F: FFFFFFFFFF
FFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFF: FFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1214:14769:16673_1:N:0:TCTGCAAG+GCTGCACT
ACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAATA
AACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGC
GAC

+

F: FFFFFFFF: FFFFFFFF: FFFFFFFF: : FFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF:
FF
FFF

@A00721:190:HGJW7DSXY:4:1268:16839:9142_2:N:0:TCTGCAAG+GCTGCACT
AATTATTAAATCATTCTTCTCACTCTTGACGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTT
TCAAAAATGCGGATGGGTCTACTGATGTTTTCTACATAGTGCAGTCG

+

FFFFFFFFFFFFFFFFFF: FF: : FFFFFFFF: FFFFFFFFFFFFFFFF: FFFFFFFFFF: FFF, FFFFFFFFFF
F: FFFFF: , , F: F, , F, F, FFF: , FFFFFFFF: : FF: F, F, F, FF: F: ,

@A00721:190:HGJW7DSXY:4:1541:31195:3912_2:N:0:TCTGCAAG+GCTGCACT
ATCACCACCTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTGCGGTGGGGTTCTCAAGGCTCT
CATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATAGATCGGA

+

FFFFFFFFFFFFFFFFF: FFFFFFFF: FFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2536:32750:23328_2:N:0:TCTGCAAG+GCTGCACT
TTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCAAACTATCAGGTTCTTGTCACGATTCTTAA
AAGAAGTTTATTA AAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAA

+

F: FFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFF: FFFFF: FFFFFFFFFFFFFFFFFF
F: FFFFFFFFFFFFFFFFFFFFFFFF: FF, FFFF: F: FFF: FF, FFFFFFFF, ,

@A00721:190:HGJW7DSXY:4:1147:30147:2566_1:N:0:TCTGCAAG+GCTGCACT
ACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACG
AGTTAGGGAGTGCTAGGTTTTAAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACC
AGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF: FF
FFFFFFFFFFFFFFFFF: FFFF: FFFF: FFFFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1119:10981:14497_2:N:0:TCTGCAAG+GCTGCACT
ATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTGGTATAAATCCTGATGGCTCAGTAC
AGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGA

+

FFFFFFFFFFFFFFFFFFFF, FF
FFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1401:25834:12007_2:N:0:TCTGCAAG+GCTGCACT
ATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGC

+

@A00721:190:HGJW7DSXY:4:1356:20076:5228_1:N:0:TCTGCAAG+GCTGCACT
TTTAGATAAATTCCTTCCGGGCTCAATGACCTTGCTATGTACGTGGATCTAATGCTTGGTGATCTGA
ATCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCCTTACACTTCTCGCGACTAATGTCAGC
TTC

+

@A00721:190:HGJW7DSXY:4:2265:22598:11694_2:N:0:TCTGCAAG+GCTGCACT
CCAAATTTAGCACTTTTGAATATGACAGAAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCC

+

@A00721:190:HGJW7DSXY:4:2619:17065:22748_2:N:0:TCTGCAAG+GCTGCACT
CCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTT
CCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCC

+

@A00721:190:HGJW7DSXY:4:1508:22670:1391_1:N:0:TCTGCAAG+GCTGCACT
ATTGGAGTTCAGACGTGTGCTCTTCCGATCTCTGACGAAGGTTCTATTACCACCCTTGTCATTGATAC
AAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCGTCTTACCTATTTACAAT
CTG

+

@A00721:190:HGJW7DSXY:4:1428:27941:30029_2:N:0:TCTGCAAG+GCTGCACT
GGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTTCCCTCCCCTTTTTTCGATTGGATTCGACGGGGTC
TTCGTCTCACGACTAATTTGATAAGGTTTTTCTTTTATGGGACTCTTG

+

@A00721:190:HGJW7DSXY:4:1440:3106:29731_1:N:0:TCTGCAAG+GCTGCACT
ATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGT
TTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTA
TGT

+

@A00721:190:HGJW7DSXY:4:1532:15953:6136_1:N:0:TCTGCAAG+GCTGCACT
CGATGATGTTCTGGGCTGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCAT
GAG

+

[illegible]

@A00721:190:HGJW7DSXY:4:1144:5936:17628_2:N:0:TCTGCAAG+GCTGCACT
GAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAG
TTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATT

+

FFFFFFFFFFFF:FF
FF:FF

@A00721:190:HGJW7DSXY:4:1421:13132:2910_2:N:0:TCTGCAAG+GCTGCACT
CTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTT
CAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAA

+

FF
FF:F:FF:FFFF

@A00721:190:HGJW7DSXY:4:2202:1479:29481_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGGGAGAAAACAGAACAGCGAGCGTTGAAGAGAAAAGTATGTTGCGGCTGATCGTACC
CCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2571:20202:8328_1:N:0:TCTGCAAG+GCTGCACT
GGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTCTGCTAGTCGCGACGATAGTATTTATCGGAG
TGATATTAACAAGTTAACTTCGAAGTACCACCTTACAAGAGTGTGAAGTACCGCAACATGGATCAG
TTT

+

FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1652:24352:11757_1:N:0:TCTGCAAG+GCTGCACT
CTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGAATGTCCT
ACGTAAGTGTCAAGGTGTTGGGCTTCTCTAAAGAACAGCAACTTTCAACATGAATTAGTTATTGAAA
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2635:18738:25238_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCATGAAGATCTTCGAGTGTTCATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTT
GTTGACTACGATCTCTCTTGAATAAGAAGTTCCTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGAC
CAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2317:28284:34006_1:N:0:TCTGCAAG+GCTGCACT
TTCGCAAAAGGTCTTGAAGTACGTATTGTCAGTCTAATCGTAATTCGCGAGAAGAGATAGTACTAA
AGTTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTG
ATC

+

FF
FF
F,F

@A00721:190:HGJW7DSXY:4:1516:5737:17816_2:N:0:TCTGCAAG+GCTGCACT
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTAT
TCATGTTTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG

+

[illegible]

@A00721:190:HGJW7DSXY:4:1372:13105:11976_1:N:0:TCTGCAAG+GCTGCACT
AGCTCATGGTGAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCA
CAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGACCTATCTTTAAGGTTCTTGAG
GAG

+

FFFFFF:FF
FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2127:25717:2691_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCTCTCTCTTAGGAGGTCATGATGCCTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACA
AATCTCAAGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTAGGCTTCGATGCTGAA
TTT

+

:F:F,FF:FFFFFFFF:FFF:FFF:FF,F,F:FFF:F,F:FF:FFFFFF,FF:FF:FFFFFFFFFFFF
,FF:F::FFFFFFFFFFFFFFFF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2218:9408:30123_2:N:0:TCTGCAAG+GCTGCACT
AGTGCCAGTGAATATTTTGTACGCCAGGAGTATCCATAACGATTTGTCAATTACCACCTTTGCTCA
ACGACGAAGTGAACGGCCAACACTTTCTTTGGTAATTGTATGATCAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2118:17833:26616_2:N:0:TCTGCAAG+GCTGCACT
TATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTGGTTGTGCTGGGACGATTCCATTCTGTTT
TCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAAT

+

FFFFFFFFFFFFFFFF:FF:FF
FFFF:FFFFFF::FFFF::FFFFFFFFFFFFFF:F::FFFFFFFF

@A00721:190:HGJW7DSXY:4:2133:20374:5494_2:N:0:TCTGCAAG+GCTGCACT
ATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTGTAGGACTTTGGGAGAGATTCTGTTAGTTT
TAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATT

+

F:FF:FFF
FFFFFFFFF, :FFFFFFFF:FFFFFFFF:FFFF:FFFF:FFF,FFF:F

@A00721:190:HGJW7DSXY:4:2465:14190:12821_2:N:0:TCTGCAAG+GCTGCACT
ATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCA
AATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTT

+

FFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2435:12789:19883_1:N:0:TCTGCAAG+GCTGCACT
ACCTTTCCTTGTAAGAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATT
CATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGAT
ATT

+

FF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFF::FFFF:FFFF,FFFFFFFF,FFFFFF:FFFF
FFFFFFFFFFFFFFFF,FFFFFFFFFFFF::FFFFFFFF:F:FF:FF,FFFF::FF:FFFFFFFF:FF
:FF

@A00721:190:HGJW7DSXY:4:2421:10366:36479_2:N:0:TCTGCAAG+GCTGCACT
CTAAATTCGGTAACGGTGCCTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGAT
ACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACC

+

FF
F::FF

@A00721:190:HGJW7DSXY:4:2307:8856:36307_2:N:0:TCTGCAAG+GCTGCACT
TAAATGACGATCATTTAGACTCTCTGTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCATCAGC
TTGTGTTTTACCTAATCTGTGTGTTTACGATAACAACATCATGTTGAT

+

FFFFF:FFF,F,F,F,FFF,F:FFF,F,FFFFFF:FFFFFFF:F:FFF:FFFFFFF::FFFFFFF:F:F:
FFFFF:FFF,F::FF:F,FFF::FFFFFF:,F,FFFFFFFFFFFF:F,,

@A00721:190:HGJW7DSXY:4:1502:20853:16783_1:N:0:TCTGCAAG+GCTGCACT
CCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAACTGTGG
TGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACG
ATA

+

F,FFFFFFFF:FF:FF
FFFF:FFFFFFFF:FFFFFF:FFFFFFFF:FFFFFFFF:FFFF:FFFFFFFF:FFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2258:5683:4601_1:N:0:TCTGCAAG+GCTGCACT
TCTCTATTTTAAGTTTTGTCTTCCTTGTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATT
AAAAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAG
AGG

+

FFF:FFFFFF,FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2666:25183:13823_1:N:0:TCTGCAAG+GCTGCACT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCTCTTCGAATGAAGTTTTAATGCTTAACAACAA
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATG
ATG

+

FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1649:4734:12477_1:N:0:TCTGCAAG+GCTGCACT
TCTGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGTTAATTCTAAAACATTACCCGAAAG
ACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGCGATCACTTTTCTACTAAGAATTGGTC
CTA

+

FFF
:FFF
FFF

@A00721:190:HGJW7DSXY:4:2201:11478:36182_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGT
GAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATT
TCA

+

FFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2548:11541:32847_2:N:0:TCTGCAAG+GCTGCACT
GAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGAT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGA

+

FFF
FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1114:26250:26130_2:N:0:TCTGCAAG+GCTGCACT
CTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTATTCTGGTGGTGATGATAATCTTGGGA

GGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACT
+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2667:16324:21934_2:N:0:TCTGCAAG+GCTGCACT
CACAACTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTC
AATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACG
+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1526:29857:29684_1:N:0:TCTGCAAG+GCTGCACT
TACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACTTACCCTGATTCCGGCCGGTG
GTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATT
ACA
+
FFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFF,F
FFFFFFFFFFFFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:2176:9263:35164_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTAT
+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2122:23538:32205_1:N:0:TCTGCAAG+GCTGCACT
TTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTA
TGAGGGTGTTTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTT
TGG
+
F:FFFFFFFFFFFF:FFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1117:14425:33520_2:N:0:TCTGCAAG+GCTGCACT
CGAAGTAAAGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAGCATACTACTTTTG
CTTTGATTACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTA
+
FFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFF
FF
@A00721:190:HGJW7DSXY:4:1140:8305:3881_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCTAAAGAGAATATCTAAAAT
ATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGT
+
FFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1259:4318:17707_2:N:0:TCTGCAAG+GCTGCACT
TTCCTCCTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTT
TACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGAT
+
FFFFFFFFFFFFFF:FFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1505:3134:1752_1:N:0:TCTGCAAG+GCTGCACT
TCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATCTGTTGCTCAATTCTAAGCGTGTTCCGCT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTCGAAAGTTTG
AGA

```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
: FFFFFFFFFF: FFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFF
FFF
@A00721:190:HGJW7DSXY:4:2119:5213:30091_2:N:0:TCTGCAAG+GCTGCACT
ATATTTGGATGATCTTGATAAAGAACCTTCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGGATT
TTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2332:8323:13933_2:N:0:TCTGCAAG+GCTGCACT
TTTGTGTGAATAGGGTCATCAACTTAGAACTCGAAACTCTAAGTGGAATACTGTCTTTCCAAGCTTA
CCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
@A00721:190:HGJW7DSXY:4:2502:28863:7858_1:N:0:TCTGCAAG+GCTGCACT
TACTAATGGCGTTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTTCGTTTTTAGGTGGTCTTT
ATTCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAG
AG
+
FFFF, F: FFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2355:7636:15060_2:N:0:TCTGCAAG+GCTGCACT
CCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAA
GACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: F: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1273:31114:17957_2:N:0:TCTGCAAG+GCTGCACT
ACTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATG
ATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF: FF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1342:22634:26944_2:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCC GCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGTTAT
+
FFF: F: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFF:: FFFFFFFF
FFF:: F: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, FFFFFF, FFF: F, FFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1152:23520:29230_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAAC
TA ACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATAATAATATTACT
AAT
+
FF: FFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:1368:32289:7748_1:N:0:TCTGCAAG+GCTGCACT
AAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGA
TAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGAC
ACT

```

[illegible]

@A00721:190:HGJW7DSXY:4:1662:22733:6261_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGTCTCAACACCCATCTCAACGAGGATAAAGCTATTTTTCCGTCATCAACGTAATACACGAAGA
GATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT

+

:FFF:,:FF,,,FFF,,,,FFF:,:F,FFFF,,,,F,,FFFF,F:F,:FF:,:F:,:::,F,,:
,:,,,F:FF,,FFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1571:11306:26772_2:N:0:TCTGCAAG+GCTGCACT
CAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTATAATTTTTGGTAAGTTTTGTGAAAAA
ATGATATACCCAAGTATATAGAAGACATTATCTCTTATGTACATATTG

+

FF,FF:,:FFF,:FFF,,FFFF,F,:FFFF,
F,,F,:F,FFFF,F,,F:,:FF,,,F,FF,,,,:F:,:FF,,FF,F,

@A00721:190:HGJW7DSXY:4:1310:29107:35587_2:N:0:TCTGCAAG+GCTGCACT
CTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTT
CAAATCATCTTTACTCACAGACTCCGAAAATGTTTCAAATGAGTTCA

+

FFFFF,FFFFF:F:,FFFFFFFFF,FFFFF,FFFF,F,FF:FFFFFFFF:FFFFFFFF:FFFF,FFFFFFFF
:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF,:FFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:2264:2157:21324_2:N:0:TCTGCAAG+GCTGCACT
TTAAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAA
CTTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAAT

+

FF:FFFFFFFF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2109:27706:17973_2:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2570:5439:21026_1:N:0:TCTGCAAG+GCTGCACT
CTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTA
CTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAG
ATT

+

F:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FF:FFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2570:15817:35493_2:N:0:TCTGCAAG+GCTGCACT
GTTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAA
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAT

+

F,F:,:FFF,F,: ,FFF,FFFFFFFFFFFFFFFF:F:F,FFF,F,: ,FF,F:FFFF,F:FF:,:FFFF:FF
,FFFFFF:FFFF,,FFFFFF:,FFFF:FF:F:FFFF,:F:FFF:,F,F

@A00721:190:HGJW7DSXY:4:2148:7157:14137_2:N:0:TCTGCAAG+GCTGCACT
CTTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGT
GTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2272:13467:8938_2:N:0:TCTGCAAG+GCTGCACT
TGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTAT
TATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC

+

F,FFF:FFFFFFFFFFFFFFFF::FFF:F:FFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF,,FFFF,FFFFFF
@A00721:190:HGJW7DSXY:4:1563:6524:11443_2:N:0:TCTGCAAG+GCTGCACT
ACCATAACCTACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACTACCG
CCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACAGGACCCGCTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1619:7319:3145_1:N:0:TCTGCAAG+GCTGCACT
TTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGG
GCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTC
TGT
+
:,FFF:F:FFF:F,:FF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2148:23439:9893_2:N:0:TCTGCAAG+GCTGCACT
CAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGC
CATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCC
+
FFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2430:27832:25300_2:N:0:TCTGCAAG+GCTGCACT
AAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAG
GAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAGGTCC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1410:18132:17018_1:N:0:TCTGCAAG+GCTGCACT
ATCTCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAG
AGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCC
GAC
+
FFFF:FFF:F,F,F,:,,FFFFFFFF::F,,FFFFFFFF:FFFF::F::F:F:FFFF:F:FF,:F,:F
FFF,F,:FF:FF:F,FFF:F:FFFF:F:F:,FFFFFFFFFFFF,FFFF:FFFFFFFF,FFFF::FFFF
F,F
@A00721:190:HGJW7DSXY:4:1654:23882:30514_2:N:0:TCTGCAAG+GCTGCACT
GACTCTCTACAGTAGGTTCTGCCTACTATGAGCAAATCTGTTGAATTCGTCAGTGAAGGACGAAGGTG
AGAGGACTTTTGGCTACTGGCGACAAACAGATCGGAAGAGCGTCGTGT
+
FF
:FF
@A00721:190:HGJW7DSXY:4:1473:14344:1125_1:N:0:TCTGCAAG+GCTGCACT
CTTGAGTGTGACGAGGCCGGTGACGTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAACTA
TGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGC
ATG
+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFF,FFFF:FFFFFFFF::,FFFFFFFF:FFFFFFFFF:,FFFFFFFF:FFFFFF:FFFFFFFF
F::
@A00721:190:HGJW7DSXY:4:1655:26106:32581_2:N:0:TCTGCAAG+GCTGCACT
CGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGA
CTGATGAGGTTAAAGTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGT
+

F,FFFF,:F:FF,FFFF::F:FFF:,F:FFFFFF:F,FFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1624:27552:13479_2:N:0:TCTGCAAG+GCTGCACT
ATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCACATATGGTAGACGTTGTC
ACACTTTTCTTGAAAATTTTTCCTTTCCTCCGTCATTGGGGATTTCGA
+
FFFFFFFFFFFFFFFF:FFF:FFFF:FFFFFFFF,FFFFFFFF:FFFFFFFF,FF,FFFF:FFFFFF
FFFFFFFF,FF:,FFFFFFFF:FFFFFF:FF,,FFFFF,:FFF
@A00721:190:HGJW7DSXY:4:2142:4960:7138_1:N:0:TCTGCAAG+GCTGCACT
GGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACG
GCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATTAAAGAGTCCAGCTGTA
ACT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2158:31250:11678_2:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAG
GCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAG
+
FFFFFFFFF:FFFF:F:FF:FFFFFFFF
F:F:FFFFFFFF:FFF:FFFF,FFFFFFFF:FFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2649:21468:23735_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTTTGAAGCAGGGGTACCACCTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTT
TTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTAAGTGATGA
TTA
+
FF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1635:3378:3583_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATC
GACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTTCGTAACCTACCATATTGTTCC
TTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1322:22164:1078_1:N:0:TCTGCAAG+GCTGCACT
TTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTG
ATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCT
GTA
+
FF
FFFFFFFFF:FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1514:10393:36432_2:N:0:TCTGCAAG+GCTGCACT
GTTTTGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCTGACCTTACAA
GGTTGAGGAGACTGTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATT
+
FFF:FF,FFFFF,FFFF:F:FFFFFFFFFFFFFFFF,FFFFFFFFFFFF::FFF:FFFF,F:,FF
:FFFFFFFFFFFF:,FFFFFFFFFF,FFFF:,FFFFFFFFFFFFFFFF,F
@A00721:190:HGJW7DSXY:4:2305:9073:8844_1:N:0:TCTGCAAG+GCTGCACT
TATCTTGAATGCTCACGCCGTCGAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGAT

FFFFFFFFFFFFFFFF,F:,FFFFFFFFFFFFFFFF,FF:FFF:FFFF,FFFF,,:,FFFF,FF:,FF,:F
,,FF:FFFFFFFF,F:FFFFFF,:F,FF,FFF:FF,F:,FFFFFFFF
@A00721:190:HGJW7DSXY:4:2604:29740:14418_1:N:0:TCTGCAAG+GCTGCACT
CCGATCTAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAATAAAATGGTGAACCGGTCTCTAA
ATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAACCAAG
TTA

+
:,F:F,FFF,F:F,,F,FF,F:FFFF,FFFF:FFF:FFFF,FFF,:F:FFF,FFFF::FFF,F:FF:
FFFFFFFFFFFF,:FFFF,F:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF:F,:FF
FFF

@A00721:190:HGJW7DSXY:4:1108:17354:13291_2:N:0:TCTGCAAG+GCTGCACT
CTTTGTACCTTCTGTCAAACCTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTG
GCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTG

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F:FFF:F:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFF
FFFFFFFF,FFFFFFFFFFFFF::FFF,,FFFFFF,:FFF:FFFF:FF

@A00721:190:HGJW7DSXY:4:1261:8151:2143_1:N:0:TCTGCAAG+GCTGCACT
ACAAGGAGTTAGACTCTTCTTCAAGTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTGAATA
AACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGC
GAC

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1249:5421:27508_2:N:0:TCTGCAAG+GCTGCACT
CGAGAATTATTACTGTTTTCTTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTT
TTCTACAGAGTGCAGTCGTTTCAACACTTATCACCCTTTTGAAGG

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFF:FF:FF,FFF,FF:,F

@A00721:190:HGJW7DSXY:4:2343:9670:30608_2:N:0:TCTGCAAG+GCTGCACT
AATACGTATGTCGGTGGGTTCTCAAGGCTCTCATGCCACTGGGATTCTAAGGGGTTCCATAAGATA
TTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2574:3323:22686_1:N:0:TCTGCAAG+GCTGCACT
ATTTGGATGTTGTGAAAACATCAGGTTCTTGTCACGATTCTTAAAGAAGTTTATTAAACTTCAG
AGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTC
TGT

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2233:29586:24768_1:N:0:TCTGCAAG+GCTGCACT
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTA
AAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCAGAGTTTCGACGTGCGGAAAAC
GAT

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1121:27073:7952_2:N:0:TCTGCAAG+GCTGCACT
ATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTAC

AGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2141:26078:13338_2:N:0:TCTGCAAG+GCTGCACT
ATCTGGGATCATAGGTATGTGTACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGC
GTCTTGTCTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTCA
+
FF:FF:FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FF:FFF:FF:FFFFFFFF:
@A00721:190:HGJW7DSXY:4:2452:8594:33880_1:N:0:TCTGCAAG+GCTGCACT
TTTAGATAAATTCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGGTGATCTGA
ATCTGACCATCGCAAAGAAGACTTTATTAGTTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGC
TTC
+
FFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2434:4643:2707_2:N:0:TCTGCAAG+GCTGCACT
CCAAATTTAGCACTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCC
+
FF:FFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1257:32841:1376_2:N:0:TCTGCAAG+GCTGCACT
GACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAAACTCTATTGAATCCCTTTTCCACG
ATGAAAGCTCTTTATGAGGTGCTCCAGATCGGAAGAGCGTCGTGTAGG
+
FF,FFFFFFFFFFFFFFFF
FFF:FF:FFFFF
@A00721:190:HGJW7DSXY:4:2360:6298:33191_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTGACGAAGGTTCTATTACCACCCTTGTCATTGATAC
AAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATTCGTCTTACCTATTTACAAT
CTG
+
FF:FFFFF:FFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2265:14922:11522_2:N:0:TCTGCAAG+GCTGCACT
GGGAAATGGTGGTAGTCAGTTTACTACTTTTCTTCCCTCCCTTTTTTCGATTGGATTCGACGGGGTC
TTCGTCTCACGACTAATTTGATAAGGTTTTCTTTTATGGGACTCTTG
+
FFFFFFFFFFFFFFFFFFFF:FF
FF,:FFFFFF
@A00721:190:HGJW7DSXY:4:2354:4634:32346_1:N:0:TCTGCAAG+GCTGCACT
ATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGT
TTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTA
TGT
+
FFFF,F:F,F:FFFFFFFFFFFF:FFFFF,FFFFFF,FFFFFF:FFFFF:FF::F,FFFFFFFFFFFF
FFFFFFFFFFFF,FFFFFFF:FFF:FFFFFF:FFFFFF,FFFFFFFFF:FFFFFFFFF:FFFFFF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2430:13114:14090_1:N:0:TCTGCAAG+GCTGCACT
CGATGATGTTCCGGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTT

$+$

@A00721:190:HGJW7DSXY:4:1678:7193:14074_1:N:0:TCTGCAAG+GCTGCACT
AGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCA
CAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAG
GAG

 $+$

@A00721:190:HGJW7DSXY:4:1670:26268:18740_1:N:0:TCTGCAAG+GCTGCACT
TCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCT
CAAGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCT
TGA

 $+$

@A00721:190:HGJW7DSXY:4:2341:18701:16470_2:N:0:TCTGCAAG+GCTGCACT
TGTCACGCCAGGAGTATCCATAACGATTTGTCATTTACCACTTTGCTCAACGACGAAGTGGAAACGGC
CAACACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACT

$$+$$

@A00721:190:HGJW7DSXY:4:1173:7084:5995_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAAC
TGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAAGCGAATTTTTGAGGGATAAACACGCGT
ACT

$$+$$

@A00721:190:HGJW7DSXY:4:2153:22950:32597_2:N:0:TCTGCAAG+GCTGCACT
ATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAGATTTCGTTAGTTT
TAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATT

+

@A00721:190:HGJW7DSXY:4:1250:4878:7122_1:N:0:TCTGCAAG+GCTGCACT
CTATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCA
AATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCT
TGT

+

@A00721:190:HGJW7DSXY:4:2414:8133:21433_1:N:0:TCTGCAAG+GCTGCACT
TTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCT
GGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTA
AAT

[illegible]

@A00721:190:HGJW7DSXY:4:2661:19162:25567_1:N:0:TCTGCAAG+GCTGCACT
ACCTGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGG
GTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTA
CGT

@A00721:190:HGJW7DSXY:4:1524:32479:13526_2:N:0:TCTGCAAG+GCTGCACT
AGTGTATTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC

@A00721:190:HGJW7DSXY:4:1537:14769:25598_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAACCCTCGTAAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATT
AAG

@A00721:190:HGJW7DSXY:4:2655:5041:11819_1:N:0:TCTGCAAG+GCTGCACT
AGATCTTGAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTGCTGAAACAGCTATTTAAAG
CTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCT
GCT

@A00721:190:HGJW7DSXY:4:2331:2826:21480_2:N:0:TCTGCAAG+GCTGCACT
TCGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCT
GGATCTGCGTTACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGAC

@A00721:190:HGJW7DSXY:4:1601:21061:31829_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTA
TCGTTCAAGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGA
TAA

@A00721:190:HGJW7DSXY:4:1242:1280:28948_1:N:0:TCTGCAAG+GCTGCACT
CTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATC
GCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAA
ATA

[illegible]

+

+

+

+

+

+

+

+

[illegible]

@A00721:190:HGJW7DSXY:4:2408:26729:26897_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACTTTACTTAGAA

TCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACTTTACA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1651:1362:29309_2:N:0:TCTGCAAG+GCTGCACT
TGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAG
TAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2364:16197:14700_2:N:0:TCTGCAAG+GCTGCACT
TGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTAT
TATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC
+
FFF,FF
FF
@A00721:190:HGJW7DSXY:4:1573:27299:31140_2:N:0:TCTGCAAG+GCTGCACT
ACCATAACCTACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACTACCG
CCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTG
+
FF
FFFFFFFFFFFF,FFFF:FF
@A00721:190:HGJW7DSXY:4:2102:29523:35775_1:N:0:TCTGCAAG+GCTGCACT
TTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGG
GCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTC
TGT
+
F:FF:FF:FFF:FF,F:F:FFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2209:4535:19523_2:N:0:TCTGCAAG+GCTGCACT
CAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGC
CATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCC
+
FF
FFFFFFFFFFFF:FF:FF
@A00721:190:HGJW7DSXY:4:2576:30002:8234_2:N:0:TCTGCAAG+GCTGCACT
AAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAG
GAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCC
+
FF:FFFFFFFF, ,F:FFFFFFFFFFFF, :FFF,FFFFFFFF:F: :FFFFFFFF:FFF: :FFF
FF: :F:F, ,FFFF:FF: ,FFF:FFF:FFFF,FFFFFFFF: :FFF: :F,F
@A00721:190:HGJW7DSXY:4:1448:1985:33082_1:N:0:TCTGCAAG+GCTGCACT
ATCTCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAG
AGGCCGCTGCTACGAAGTCGCTGAAGGCGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCC
GAC
+
FFFF, ,FFFF:FF:FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2274:28754:30185_2:N:0:TCTGCAAG+GCTGCACT
GACTCTCTACAGTAGGTTCTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTG
AGAGGACTTTTGGCTACTGGCGACAAACAGATCGGAAGAGCGTCGTGT
+

FF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:1552:1208:1705_1:N:0:TCTGCAAG+GCTGCACT
CTTGAGTGTGACGAGGCCGGTGACGTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAC
TGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGC
ATG
+
:FFFFFFFFF::F:FFFFFFFF,F,F:FFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF,FF:FFF,
FFFFFF:FFFFFF:F,F::FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF
FFF
@A00721:190:HGJW7DSXY:4:2305:9715:26584_2:N:0:TCTGCAAG+GCTGCACT
CGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTCTGA
CTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:,FFFFFF::FFF::FF:,FFF,:FF,F,:
F,F,F,F:F:FFFFF,,:FFF,F,,::,,:FF:F,F:FFFFFFFF,:F
@A00721:190:HGJW7DSXY:4:2164:28339:24706_2:N:0:TCTGCAAG+GCTGCACT
ATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCCCACATATGGTAGACGTTGTC
ACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTCGA
+
:FFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FF,FFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:2155:17969:24972_1:N:0:TCTGCAAG+GCTGCACT
GGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACG
GCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATTAAGAGTCCAGCTGTA
ACT
+
FF:FFFFFFFFF,F,FFFFFFFFFFFFFFFF:FFFF:FFFFFF:FFFFFFFF:FFF,FFFFFFFFF
FFFFFFFFF:FFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2418:11505:28463_2:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAG
GCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAG
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:F:FFFFFF:FFF:FFF:FF:FFFF:FFFF:
FFFFFFFF:FFFFF:FF:FFFF:FFFFF,:FFF:FF:FFFFFF:FF
@A00721:190:HGJW7DSXY:4:2505:2374:15311_2:N:0:TCTGCAAG+GCTGCACT
GGATTATTTGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATG
ATAATCTTTTGAAGGGTTCATAGAGCCAGCAAGAGAAGCTTATATG
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:1671:23005:3317_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGTCAACTTGGGGTTTGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATC
GACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTACCATATTGTTCC
TTC
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1501:20799:24612_1:N:0:TCTGCAAG+GCTGCACT
TTTAACTTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTG
ATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCT
GTA

F:FFFFFFFFFFFF:FFFF:FF,FF
FFF,
FFF
@A00721:190:HGJW7DSXY:4:2102:13331:24361_2:N:0:TCTGCAAG+GCTGCACT
TTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCTACCTTACAA
GTTTGAGGAGACTCTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATT
+
FFFFFFFFFFFF:FFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFF:FF
FFFFFFFFF:FFF,FF:F:FFFFFFFFF:FFFFFFFFF,FFFF:F
@A00721:190:HGJW7DSXY:4:2511:16712:28682_1:N:0:TCTGCAAG+GCTGCACT
TATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGAT
TAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAAACCTCCTTGAATGGA
GTA
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1226:28935:2503_1:N:0:TCTGCAAG+GCTGCACT
CTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCA
CGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTG
TGA
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2510:3369:3443_1:N:0:TCTGCAAG+GCTGCACT
GTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGA
GATTGATGTATGTCATTTCTGCTTAGTTTGTCCC GGCGAATTATTGGACACGATGAAAAATGACATAC
CCG
+
FFFFFFFFF:FFFFFFFFFFFFFFFFF:F:F:FFFFFFF:FFFF::F::FFFF,FF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1546:20039:27899_2:N:0:TCTGCAAG+GCTGCACT
TCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAG
ATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
FFF
@A00721:190:HGJW7DSXY:4:2508:22064:16939_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTATGAGTTC CGAATAACTCGTAATAAATCTTTCTCTAG
TGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTG
ATT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1161:17544:34162_2:N:0:TCTGCAAG+GCTGCACT
AGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGT CATGGGGATCACTTCTTCGGTC
AATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGT
+
FFFFFFFFF:FFF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1258:5773:21010_2:N:0:TCTGCAAG+GCTGCACT
GATTCACCAAGATGTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCG
GAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACG

FF
FFF

@A00721:190:HGJW7DSXY:4:1119:31430:21574_1:N:0:TCTGCAAG+GCTGCACT
GGAGTGGCTAGGTTTTAAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTT
TCGACGTCGCGGAAAACGATGAAGATTTCCACACTGTTCGAGAATCTTCTGATGCTGAATTTGAGGAA
AAT

+

FFFFFF:FFFF::FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1275:31295:32362_1:N:0:TCTGCAAG+GCTGCACT
TTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATTGTTATAAAACCTTCTTTTATCAT
TGCAACAGGACTTTGAGATGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTAC
AC

+

FFFFFF:FFFFFFFFFFFF:FF,FFF,,FF::,FF,FFFF,F,:FF:FF:FFF:FF,FFFFFFFF,
,:F::,,FFFFFFFFF,F:FFFF:,FFFF:,,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1168:19804:2534_2:N:0:TCTGCAAG+GCTGCACT
AAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGGACTTTAGCAAC
TTTAGATAAATTCTTCCGGGCTCAATGACCTTTGCTATGTACGTGGA

+

FFFFFFFFFFFFFFFFFFFF:FF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
F,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2459:11632:18349_1:N:0:TCTGCAAG+GCTGCACT
TTTGTTTCATGAAGTTCTTACACTTCTCGCGACTTATGTGAGCTTCACTTCATAGGCGTTACGTAAAGT
AGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCACTTTTTGAATATGACAGAAGCTCGC
CAT

+

FF,F:F:,FFFFFF:FFFFFFFFFFFF:FF:F,FF,F:FF,:F,F,F,:,,F,,,FFFF,,F,,FFF
:FFFFFF,:FFFFFFFFF,F::FFF,:F,:FFFFFFFFF:FFFFFFFFF,:FFF:FFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:1365:13747:1157_1:N:0:TCTGCAAG+GCTGCACT
AGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTA
CTCCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAAT
AAC

+

FF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2678:31919:10175_1:N:0:TCTGCAAG+GCTGCACT
GATATCGCCTCTGTCTTTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGTACTTGGGTTTATCGGTT
GTATTTTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTG
ATA

+

:FFFF,F::F:FFFF,,FFFF,F:FFFF:FF,FFFF:FFF::F,FFFF,F,,FFFF,FFFF,F,FF
,FFFFFF,:F,,,FFFFFF,,F:F,,FFFFFFFFFFFFFFFF:FFFFFFFF:FFFF,FF,:FF:FFFFF
:FF

@A00721:190:HGJW7DSXY:4:1510:10737:5337_2:N:0:TCTGCAAG+GCTGCACT
TACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGT
AGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTCGATTGATTCTGA

+

FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2376:26286:6558_1:N:0:TCTGCAAG+GCTGCACT
ATGTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGT
TTCACATTGCGTGATCACTTCCCGTGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTA
TGT

+

FFFFFFFFFFFF,F,FFF,FF:FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF,:,FFFFFFFF
FFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2110:18475:11443_1:N:0:TCTGCAAG+GCTGCACT
TCTTGATGTTCCGGGCTGTGGGGATTAACTTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTCAT
GAG

+

FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2413:20537:22780_2:N:0:TCTGCAAG+GCTGCACT
GAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAG
TTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATT

+

:FFFFFFFFFFFF:F,:F::FFFF:FFFFFFFFFFFF,F::FFFFFFFF:FFFFFFFF:FF:FFFFFF
F:FFFFFF:FFFF,FFFF:F,,FF:F:FFFFFF,FFF,FF:F,:F

@A00721:190:HGJW7DSXY:4:1648:18258:31923_2:N:0:TCTGCAAG+GCTGCACT
CTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTCCCTGATGAGGACGTTGAAAGGGATAATTT
CAACTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAA

+

FF
FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2618:3604:5384_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGAGAAACTGATATGGTTGCGGCTGATCGTACC
CCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2134:16297:29089_1:N:0:TCTGCAAG+GCTGCACT
TTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAA
ACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCAAAAAGCTATT
AAT

+

FFFFFFFFFFFFFFF::FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF,

@A00721:190:HGJW7DSXY:4:2165:14281:25160_1:N:0:TCTGCAAG+GCTGCACT
CTGAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGTCCT
ACGTACTGTTCAAGGTGTTTGGGCTTCTCTAAAGAACAGCAACTTTCAACATGAATTAGTTATTGAAA
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1305:23312:20478_1:N:0:TCTGCAAG+GCTGCACT
TCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTG
TTGACTACGATCTCTCTTGAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACC
ACT

FF
FFF

@A00721:190:HGJW7DSXY:4:1547:2383:3646_1:N:0:TCTGCAAG+GCTGCACT
TCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCAACGGAAGACATATCGCA
CCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTGTTTGATCAGTCTAAGTTGGA
TAA

+
FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1372:13105:11976_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGT
AAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATG

+
FFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2115:15600:35336_1:N:0:TCTGCAAG+GCTGCACT
AGCTCATGGTGAAAAGGGAAGCTAAGGTAAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCA
CAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGACCTATCTTTAAGGTTCTTGAG
GAG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2144:6343:34115_1:N:0:TCTGCAAG+GCTGCACT
TCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTTCGAAGTTTGACAAATCT
CAAGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCT
TGA

+
FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2634:26494:33035_2:N:0:TCTGCAAG+GCTGCACT
TGTCACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGC
CAACACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACT

+
FF
FF

@A00721:190:HGJW7DSXY:4:1523:25744:36933_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAAC
TGATCATTCTGATCATATGATTTTGACAATGGTTTCGAAGCGAAATTTTTGAGGGATAAACCAGCGT
ACT

+
FFFFFF:FFFFFF,FF
FFFFF,,FFFFFFFFFFFF:FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2315:13187:32252_2:N:0:TCTGCAAG+GCTGCACT
ATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAGATTGTTAGTTT
TAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGCGGATT

+
FFFFFFFFFFFF,FF
FF
FFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1449:8974:11960_1:N:0:TCTGCAAG+GCTGCACT
CTATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCA

AATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCT
TGT

+

FFFFFF:FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2414:8684:21762_1:N:0:TCTGCAAG+GCTGCACT
TTTAATAAGATTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCT
GGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTA
AAT

+

FFF,:F,F,:FF:FFF,FFFFF:FF,FF,F,:,:FFFF:FFFFFF,F,,FFFFFF,FFFFFF,F,FF,F
FFFF,F,:,:FFFF,:FFFFFFFFF:FFFF,FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF
FFF

@A00721:190:HGJW7DSXY:4:2506:10773:11193_1:N:0:TCTGCAAG+GCTGCACT
CGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACT
TGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTT
CTT

+

FFFFFFFFF:FF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2663:10592:1579_2:N:0:TCTGCAAG+GCTGCACT
CTTTGCACTGATTTTTCCTCATCAGCTTGTTGTTTTACCTAATCTGTGTTTTTACGATAACAACATCA
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:::FFFFFF:FFFF:FFFFFFFFFFFFFF:::FFFFFFF,FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2636:27398:11428_2:N:0:TCTGCAAG+GCTGCACT
ACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGA
CACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTTCGACGCC

+

FFFFFFFFFFFFF,FFFF:FF
FFFFFFFFFFFFF:FFFFF,FFFFFFFFF:F:::FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2566:11541:6918_1:N:0:TCTGCAAG+GCTGCACT
TCTCTATTTTAAAGTTTGTCTTCCTTGTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATT
AAAAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAG
AGG

+

F::,F,FFFFFFFFF:FFF:FFFFF:FFFF,,FFF::FFFFFF:F,,FF,,FFFFFFFF,:FFFFF
FFFFF,FFFFFFFFFFFFFFFFF,F::,F::FF,F,:FFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFF
FF:

@A00721:190:HGJW7DSXY:4:1638:6849:32518_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAA
TGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATG
ATG

+

FFFFFFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2376:23845:1611_1:N:0:TCTGCAAG+GCTGCACT
TCTGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAG
ACGTGCTAAATTAACCATTTGTACGATGTCGTCTGTCTCGCGCATCACTTTTCTACTAAGAATTGGTC
CTA

@A00721:190:HGJW7DSXY:4:2412:5394:26177_1:N:0:TCTGCAAG+GCTGCACT
ACTTTCCTACGATACAAATGATACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTATCAGCAA
GGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATAAT
CG

+
:FFFF:FF,F,FFF:,:::FF:,,F::F,F,FFF,,FF:,,FF,F,F,F,FFFFFFFF,F:F,FF,F
F,FFFF,: ,FFFFFFFF,FFFFFF,,F,F,,,F:FFFF,FF:FFF:F:,,FFFFFFFF,FFFFFF
:F

@A00721:190:HGJW7DSXY:4:2301:6334:31062_1:N:0:TCTGCAAG+GCTGCACT
GATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGT
GAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATT
CTC

+
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFFFF:F:FF:FF:FFFFFFFFFFFFFFFF:F: ,FF:FFFFFFFFFFFFFFFF:FFFF
:F:

@A00721:190:HGJW7DSXY:4:1251:18096:15295_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAAC
TAATAATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATAATAATATTACT
AAT

+
FF:FFF
FFFF:FFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2154:22064:14841_1:N:0:TCTGCAAG+GCTGCACT
AAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGA
TAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGAC
ACT

+
:FFFFFFFFFFFF:FFF
FFFFFF,FFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1426:22887:16047_1:N:0:TCTGCAAG+GCTGCACT
TCCAGACGACGACGAAGCTTATACTAATTTTATTTTGGGTATTATGTGGAGATTTTCGTGATATCAGTA
CGTCCAGATCCTCTGCTTTTACCGATAACGATAATTTTCGTAATCAAATATAAAGAAAAGGACTATGAA
ATA

+
FFF,:FF:F,FF:F:F:FFFFFFFF:F,FFF,:FF::F,FF:FFFFFFFF:,FFF,:FFFF:F:FFFF
FFF,:FFFF,FFFFFFFFF,,,FFFF:FFFF,FF:FF,F,,,FF,F,F,FFF,FFFF:FFFF:
FF,

@A00721:190:HGJW7DSXY:4:2118:32922:11162_2:N:0:TCTGCAAG+GCTGCACT
CCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATT
GGTCCAACATTTACCACCAAATTTCTTTTGATACAACCTCTAGCCTTCAA

+
FFF
FFF

@A00721:190:HGJW7DSXY:4:1213:10095:34381_2:N:0:TCTGCAAG+GCTGCACT
CCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGC
AGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTT

+
F:FFFFFFFFFFFFFFFF,FFFFFF:F:FF:FFFFFFFF:FFFFFFFFF:FFFF:F:FFFF,FFFF
F:FFFF,FFF:F,:FFFFFFFFF,FFF:F::FFFFFFFFF:F,FFF

@A00721:190:HGJW7DSXY:4:1534:8106:3129_2:N:0:TCTGCAAG+GCTGCACT
TTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATGTAA

+

@A00721:190:HGJW7DSXY:4:2305:7491:17284_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAT
ATA

+

@A00721:190:HGJW7DSXY:4:1250:21468:20384_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATTCCTGGCTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACT
CTA

+

@A00721:190:HGJW7DSXY:4:1160:16396:11005_2:N:0:TCTGCAAG+GCTGCACT
CAATAGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTCTTAGCTAATAGATTAATA
AAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGA

+

@A00721:190:HGJW7DSXY:4:1347:2998:15922_1:N:0:TCTGCAAG+GCTGCACT
TCTCTACCCCATCTCACC GTGTATAAAGCGTTTTTCCGTCCTTA ACTTAATACACGAAGATATCAT
CCGCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGC
CTT

+

@A00721:190:HGJW7DSXY:4:2157:24704:25175_2:N:0:TCTGCAAG+GCTGCACT
TTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTTTGTGAAAAACATGAGATACCCAAGTCT
ATCGAAGACATTATCTCTTATGTACTTATTGTAACGATCATTCTTTTCG

+

@A00721:190:HGJW7DSXY:4:2304:18394:4946_2:N:0:TCTGCAAG+GCTGCACT
CTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTT
CAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCA

+

@A00721:190:HGJW7DSXY:4:1621:29975:30890_1:N:0:TCTGCAAG+GCTGCACT
TAAACGAAC TATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAC
TTCAATTCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTTCGACAAATTTT
AGA

+

[illegible]

@A00721:190:HGJW7DSXY:4:1152:14651:13714_1:N:0:TCTGCAAG+GCTGCACT
GAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATC
TACTATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATT
TAC

+

FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1159:22968:32409_2:N:0:TCTGCAAG+GCTGCACT
GGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTA
CAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG

+

FFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFF,FFF:FFFFFF,:FFFFFFFF
FFFFFFFFFFFFFFFF:FFFF:F,FFF,,FFFF,F::FFFF,:F,

@A00721:190:HGJW7DSXY:4:1152:4924:1939_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCT
TCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACA

+

FFFFFF:FF
FFFFFF:FFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2401:7726:21574_2:N:0:TCTGCAAG+GCTGCACT
TGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTTCCTTAATATTCTAG
TAACCGCTATGTGGCATTACTAGGATTTATCACACTCCTAAATTTGA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF:FFFF

@A00721:190:HGJW7DSXY:4:2365:7907:24173_2:N:0:TCTGCAAG+GCTGCACT
TGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTAT
TATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1604:6831:29575_2:N:0:TCTGCAAG+GCTGCACT
ACCATAACCTACCATGACCAATCATCGCTCCAAGTGGCACGCCAGACGTAGGGTCAAACCTACTACCG
CCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTG

+

FFFFFFFFFFFFFFFFFFFFF:,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFF,FFFFFF
FF

@A00721:190:HGJW7DSXY:4:2249:24153:5869_1:N:0:TCTGCAAG+GCTGCACT
TTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGG
GCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTC
TGT

+

FFFFFF:FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2357:28800:2644_2:N:0:TCTGCAAG+GCTGCACT
CAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGC
CATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCC

+

F:FF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2618:1172:4836_2:N:0:TCTGCAAG+GCTGCACT
AAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAG

+

@A00721:190:HGJW7DSXY:4:1469:22507:36025_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1243:28700:5196_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1631:27570:23469 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2332:4246:2801 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2225:20455:28839 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2371:5394:18349 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1233:5258:16579 1:N:0:TCTGCAAG+GCTGCACT

 $+$

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 84

@A00721:190:HGJW7DSXY:4:2407:3965:32816_2:N:0:TCTGCAAG+GCTGCACT
GTTACCACTTCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGG
GTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2112:16062:33630_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATC
GACGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTACCATATTGTTCC
TTC

+

FFF::FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1526:20401:34882_1:N:0:TCTGCAAG+GCTGCACT
TTTAACTTTGACTCATCTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTG
ATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCT
GTA

+

FFFF,FFFF::FF,,:FF,F,FFF:FFFFF:FFFFF::FFFF:FFFFFFFFFFFFFFFFFFFF:F:FFF
FFFFFFFF:FFF:FF:,FFFFF,FFF::FF,,FF:F::FFFFF:FF:FFF:F,FFF:,FFF,FFFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:2211:8142:13714_2:N:0:TCTGCAAG+GCTGCACT
GTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCGTACCTTACAA
GGTTGAGGAGACTTTACAGCGGCGTATTGTCGCGCAGTTTCCAGAATT

+

FFFFFFFFFFF:,FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FF:FF
:F:FFFFFF,FFFFFFFF:F:FF,FFFFFFFFFFFF:FFF:F,FF:FFFF

@A00721:190:HGJW7DSXY:4:2608:31747:20400_1:N:0:TCTGCAAG+GCTGCACT
TATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATAATCACTTGATAAAGTACAGAT
TTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAACTCCTTGATGGA
GTA

+

FFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFF
F:FFF:F:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1672:23276:26804_1:N:0:TCTGCAAG+GCTGCACT
CTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCA
CGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTG
TGA

+

FF,FFFFFFFFFFFF
FF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2524:19786:33317_1:N:0:TCTGCAAG+GCTGCACT
GTTGCGATAGCTGTAGAGGTATACGATATCTCTTTGATGATGTAGCCACTATAATGCTTAAGAGAGA
GATTGATGTATGTCATTTCTGCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATAC
CCG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1671:31557:21073_2:N:0:TCTGCAAG+GCTGCACT
TCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAG

ATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGAC
+
FF
:FF
@A00721:190:HGJW7DSXY:4:2544:25961:34835_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTATGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAG
TGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTG
ATT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1167:32461:22827_2:N:0:TCTGCAAG+GCTGCACT
AGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTC
AATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGT
+
FFFF:FFFFFFFF:FF:
F:FFFF::FFFF:FF
@A00721:190:HGJW7DSXY:4:1355:11342:24455_2:N:0:TCTGCAAG+GCTGCACT
GATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGAGCGATCTTACTCGTTATCG
GAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1470:25301:1501_2:N:0:TCTGCAAG+GCTGCACT
AGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACTTTATGGACA
AGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTAGTAG
+
FFFFFFFFFF:F:F,FF::,:FFFFFFFF:FF:FFFF:FFFFFFFF,FFFFFFFFF:,,::,FFF::FFFF
FFFFFFFFFFFFFF:FF,FFFFFF:FFFFFF,FF:FFFF::F,FFF:FF
@A00721:190:HGJW7DSXY:4:2275:1425:33896_1:N:0:TCTGCAAG+GCTGCACT
TGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATC
TTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTA
AGA
+
FFFFFFFFFFFF:FF:FFFFFFFFFF:F:FFFF:FFFFFF:FF:FF:FFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFF:FFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2406:7238:17002_2:N:0:TCTGCAAG+GCTGCACT
CTTTGTACCTTCTGTCAAACCTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTG
GCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1349:21368:3928_1:N:0:TCTGCAAG+GCTGCACT
ACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAATA
AACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGC
GAC
+
FF
:FF:FFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1539:5240:19523_2:N:0:TCTGCAAG+GCTGCACT
CGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTT

TTCCTACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTTGAAAGG

+

FF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF,F,FFF::FFFFFFFF

@A00721:190:HGJW7DSXY:4:1410:24731:28510_1:N:0:TCTGCAAG+GCTGCACT
ATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGTTCCATAAGATAT
TATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATGT
TGT

+

:F:F,,FFF,FFFFFFFF,FFF,F:FFFFFFFF::FFF,FF:FF:FFFF:F,FFF::FFFFFFFF
FFFFFFFF:F:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF,F,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2660:26350:15436_1:N:0:TCTGCAAG+GCTGCACT
TCTTGTACGATTCTTAAAAGAAGTTTATTAAACTTCAGAGTCTCTTGGAAAGTCCAGGTAGCTAATG
TTCTTGAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACT
CAG

+

FFFFFFFF::FFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1245:30581:13808_1:N:0:TCTGCAAG+GCTGCACT
GGAGTGGCTAGGTTTTAAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCAGAGTT
TCGACGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAA
AAT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1226:31593:2065_1:N:0:TCTGCAAG+GCTGCACT
TTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAACCTTCTTTTATCAT
TGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTAC
ACT

+

FFFFF:FFFFFFFF:FF:FFFF:FFFFF
FFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1273:11939:27524_2:N:0:TCTGCAAG+GCTGCACT
AAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGGACTTTAGCAAC
TTAGATAAATCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGA

+

FFFFFFFF:FF:FF:FFFFFFFF
FFFFFFFF:FF,FFFFFFFF:FFF:FF:FFFFFFFF:F,FF

@A00721:190:HGJW7DSXY:4:2532:28510:30076_1:N:0:TCTGCAAG+GCTGCACT
Ttagttcatgaagttcttaccttctcgcgactaatgtcagcttctactacaaaggcgttacgtaaagt
agttttcacgctttatcttaaagcattaccaccaaatttagcactttttgaatatgacagaagctcgc
cat

+

FF: ,FFFFFFFF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1616:10691:4319_1:N:0:TCTGCAAG+GCTGCACT
AGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTA
CTCCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAAT
AAC

+
FFFFFFFF::FFFFFFFFFFFFFFFF::FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1104:26476:14027_2:N:0:TCTGCAAG+GCTGCACT
TTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCTTGTCATTGATACA
AACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2236:31105:9236_2:N:0:TCTGCAAG+GCTGCACT
TACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGT
AGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTCGATTGGATTCTGA
+
FF:FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFF:FFFF, :FFFFF
@A00721:190:HGJW7DSXY:4:1107:29152:9893_1:N:0:TCTGCAAG+GCTGCACT
GTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTT
CACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATG
TCG
+
FFFFFFFFFFFF:FF:F
FFFFFFFFFFFFFFFFFFFF:FF:FF
FFF
@A00721:190:HGJW7DSXY:4:2110:18701:12273_1:N:0:TCTGCAAG+GCTGCACT
TCTTGATGTTGCGGCTGTGGGGATTAACTTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCAT
GAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2641:32805:13495_2:N:0:TCTGCAAG+GCTGCACT
GAAAAATATCGCCGGAAGTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAG
TTCTACCACAGAAACCGTCTCAGGAAGTCTCCACTGATTCGGAATT
+
FF
FFFFFFF:FFF:F:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2637:14253:20979_2:N:0:TCTGCAAG+GCTGCACT
CTTCTTGTTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTT
CAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAA
+
FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2270:11424:16391_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGCGGTTGAAGAGAAAAGTATGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATC
ACTCTCGGCGATACCACTGATCTCCAGAGTTACGTAGTGGTCTTCT
+
FF
FFF
@A00721:190:HGJW7DSXY:4:2464:17942:35446_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGCTATAATACCGCCTCCAGATTACTCTAACT
GAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTT
+

[illegible]

@A00721:190:HGJW7DSXY:4:2639:16432:3051_2:N:0:TCTGCAAG+GCTGCACT
TGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGC
GCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGT

@A00721:190:HGJW7DSXY:4:2450:27579:31187_2:N:0:TCTGCAAG+GCTGCACT
GTTTTCAACGGAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGA
ACGGTGTTTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGT

@A00721:190:HGJW7DSXY:4:2174:32389:24706_2:N:0:TCTGCAAG+GCTGCACT
GCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAAT
GGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTCAT

@A00721:190:HGJW7DSXY:4:2366:13340:28886_2:N:0:TCTGCAAG+GCTGCACT
CTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCA
AAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGG

@A00721:190:HGJW7DSXY:4:2268:1832:14559_1:N:0:TCTGCAAG+GCTGCACT
TCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCT
CAAGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCT
TGA

@A00721:190:HGJW7DSXY:4:2650:32551:1783_2:N:0:TCTGCAAG+GCTGCACT
TGTCACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAAACGC
CAACACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACT

@A00721:190:HGJW7DSXY:4:2118:17833:26616_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAAC
TGATCATTCTGATCATATGATTTTGACAATGGTTTCGAAGCGAATTTTTGAGGGATAAACACGCGT
ACT

@A00721:190:HGJW7DSXY:4:2556:29234:18646_2:N:0:TCTGCAAG+GCTGCACT
ATCGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAGATTTCGTTAGTTT
TAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATT

[illegible]

+
FFFFFFFFFFFFFFFF:FFFFFFFF:FF,FFFF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1677:9977:17143_2:N:0:TCTGCAAG+GCTGCACT
CGAAGTAAAGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAGCATACTACTTTTG
CTTTGATTACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTA
+
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FF
@A00721:190:HGJW7DSXY:4:1172:18900:12837_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAAT
ATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGT
+
FFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFF:FFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1553:5421:20024_2:N:0:TCTGCAAG+GCTGCACT
TTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTT
TACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGAT
+
FF:FF:FFFFFFFF
FFFFFF:FFFFFFFFFFFFFFFF,FF:FFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1639:20247:32643_1:N:0:TCTGCAAG+GCTGCACT
TCGTACCTTGATGCTGACTTTTCGTCAATATGATTTGATCTGTTGCTCAATTCTAAGCGTGTTCCGCT
TAGTGCGAGGCCTCTCTTATACGAGTATTGCTATTTAAACGTTACGAGAAGAAGGTTCGAAAGTTTG
AGA
+
FFFFF:FFFF:FF:FF,FFF::FFFF:FFFFFFFF,F::FFFFFFFF:FFFFF:F::FF::FFF,FF,F
FFF::F:FFFF:FF,,F,FFFF::FFF::FF:FFF,,FFFFFFFF:F,FF::FFFFFFFF:F:FF
F::
@A00721:190:HGJW7DSXY:4:2366:8332:27602_2:N:0:TCTGCAAG+GCTGCACT
ATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGATT
TTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2263:1597:24643_2:N:0:TCTGCAAG+GCTGCACT
CGAAACTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGA
TAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2109:4010:14011_1:N:0:TCTGCAAG+GCTGCACT
AATGGCGTTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTGTTTTAGGTGGTCTTTATTC
TATTATTGATTTTATGAGATTGATACGTTAACAGAAGATCTGTTATCGACGTTTATCGTTTACGAA
GTA
+
::,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFF:FFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1419:14787:4523_2:N:0:TCTGCAAG+GCTGCACT
AGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAA
TCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCG
+

FF
FF
@A00721:190:HGJW7DSXY:4:1169:1588:9909_1:N:0:TCTGCAAG+GCTGCACT
ACTTTCTACGATACAAATGATACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAA
GGGATGCATGGTGTATCTCCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTCGTCATAAT
CGC
+
FF
FF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2432:25192:22200_1:N:0:TCTGCAAG+GCTGCACT
GATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGT
GAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATT
CTC
+
FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF,:FF
FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFF:FFFFFFFFFFFF,FF:FFFFFFFF:FF::FF,FF,:
,FF
@A00721:190:HGJW7DSXY:4:1348:10592:6872_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAAC
TAATATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATTACT
AAT
+
FF
FF
:FF
@A00721:190:HGJW7DSXY:4:2173:22073:12352_1:N:0:TCTGCAAG+GCTGCACT
AAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGA
TAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAATGAAGGAC
ACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF
FFF:FFF:FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1428:28763:1110_1:N:0:TCTGCAAG+GCTGCACT
TCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAGATATCGTGATATCAGTA
CGTCCAGATCCTCTGCTTTTACCGATAACGATAAATTCGTCATCAAATATAAAGAAAAGGACTATGAA
ATA
+
FFFF:F:FF:FFFFFFFFFFFFFFFFFFFFFFFF,F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2167:25554:2848_2:N:0:TCTGCAAG+GCTGCACT
CCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTGCCATTGTGGTACGAATT
GGTCCAACATTTACCACCAAATCTTTTGATACAACTCTAGCCTTCAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFF:FF
@A00721:190:HGJW7DSXY:4:1302:22887:33426_2:N:0:TCTGCAAG+GCTGCACT
CCAGATTGTTTGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGC
AGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTTT
+
FF:FFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFF:FF

@A00721:190:HGJW7DSXY:4:1617:32081:28620_2:N:0:TCTGCAAG+GCTGCACT
TTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATGTTAA
TAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTA

+

F,FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFF:F:FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2508:29939:21277_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCAACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAT
ATA

+

FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:,FFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1257:30752:35399_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATTCCTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACT
CTA

+

FF,FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1215:3803:35352_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGG
ATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAG

+

FFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FF

@A00721:190:HGJW7DSXY:4:1676:10746:3129_1:N:0:TCTGCAAG+GCTGCACT
TCTTGCAAGTGAAGTTCAGACGTGTGCTCTTCCGATCTCGTAATACACGAAGAGATCATCCGC
AAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT

+

::F:::,,F::F::F,,,F:::,F,,,::F:FF,F,F:::,::,FF:FFF::,F::,,::,,F,FF:,
F,FF

@A00721:190:HGJW7DSXY:4:2643:1805:21966_2:N:0:TCTGCAAG+GCTGCACT
TTTTTATAATTTATAACCTTCTTATACTTTTGGGTATGTTTGTGAAAAACATGAGATACCCAAGTCT
ATCGAAGACATTATCTCTTATGTACTTATTGTAACGATCATTCTTTG

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,:FF
FF

@A00721:190:HGJW7DSXY:4:2421:21829:36417_2:N:0:TCTGCAAG+GCTGCACT
CTGTGTATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTT
CAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCA

+

FFFFFFF:FFFFFFFFFFFFFFF,FFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,:::FF,,FFF
,FFFF:FFFFFFFFF:FFFFFFF:::FFFFFF:FFF,FF::FF:,FF

@A00721:190:HGJW7DSXY:4:1631:14235:10770_1:N:0:TCTGCAAG+GCTGCACT
TAAACGTACTATTATCCGATTCTTCGAGTGTATCACTACCACTGTTCTGCCGACTTTAGTCAAGGAAC
TTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTT
AGA

+

:F,F:F,F::F:FF:F,:FFFFFFFF:F,FFFFF,FFF,F,FFF,FFFF:FFFFFFFFFFFF,:::FFF
F,FFF:F:FFFFFFFFFFFFFFFF:FFFFFFF,FF:FFF:FFFFFFFF:FF:FFF:FFFFFFFFFFFF:FFFF
:FF

@A00721:190:HGJW7DSXY:4:1232:31277:14043_1:N:0:TCTGCAAG+GCTGCACT
GAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATC
TACTATTTTAAATAGTGTTATTTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATT
TAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1307:18701:15562_2:N:0:TCTGCAAG+GCTGCACT
GGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTA
CAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG

+

FFFFF:FF:
FFF:FFFFF:FF:
FFF:FFFFF:FFFFF:FF,F

@A00721:190:HGJW7DSXY:4:1340:29243:5071_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCT
TCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACA

+

FF:
FFFF,FF:
FFF:FFFFF:FFFFF:FF,FF::F:FFFF::,FFFF:

@A00721:190:HGJW7DSXY:4:2462:2347:27038_2:N:0:TCTGCAAG+GCTGCACT
ATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCTTAATATTCTAGTAACCGC
TATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAAT

+

FF:
F:FF:
FF:F

@A00721:190:HGJW7DSXY:4:2517:4010:32831_2:N:0:TCTGCAAG+GCTGCACT
TGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTAT
TATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC

+

FFFF:FFF:FF,
FF:
::FF:FFFFF:FFFF:FFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1604:7202:27806_2:N:0:TCTGCAAG+GCTGCACT
ACCATAACCTACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACTACCG
CCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTG

+

FFFFFFFFF:FF
FFFF:FF:
FF

@A00721:190:HGJW7DSXY:4:2251:16034:30984_1:N:0:TCTGCAAG+GCTGCACT
TTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGG
GCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTC
TGT

+

F,FFFF:FF
FF:
FFF

@A00721:190:HGJW7DSXY:4:2357:30201:3724_2:N:0:TCTGCAAG+GCTGCACT
CAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCCGGC
CATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCC

+

FF:
FFFFFFFFF:F:FF:
FFFF

@A00721:190:HGJW7DSXY:4:1334:15664:23891_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGTTAGTCTCTAAGTCTACCAGGA

AGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2642:31792:9048_1:N:0:TCTGCAAG+GCTGCACT
ATCTCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGAATAAGAAATCTGCACGGGCCAAAG
AGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCC
GAC

+

:FFFFFFFF:FFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF, F
FF
FFF

@A00721:190:HGJW7DSXY:4:2502:5647:34820_1:N:0:TCTGCAAG+GCTGCACT
ACTCTCTACAGTAGGTTTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGA
GAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAG
GCC

+

FFFFFFFF,F:FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1643:24243:14951_1:N:0:TCTGCAAG+GCTGCACT
CTTGAGTGTGACGAGGCCGGTGACGTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAACTA
TGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGC
ATG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2447:24053:3724_2:N:0:TCTGCAAG+GCTGCACT
CGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGA
CTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFF,FFFFFFFF,FFFFFFFF:F
FF:FFFF,FFFFFFFF:F:FFFF: :FFFFFFFF:F:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2266:9444:34976_2:N:0:TCTGCAAG+GCTGCACT
ATTACAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTAGACGTTGTC
ACACTTTTCTTGAAAATTTTCCTTTCCTCCGTCATTGGGGATTTCGA

+

FFFFFFFFFFFF:FF:FF,FFFFFFFFFFFF
FFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2472:12156:2503_1:N:0:TCTGCAAG+GCTGCACT
GGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACG
GCTCGTATCGAGTTGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATTAAGAGTCCAGCTGTA
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1629:25762:18145_2:N:0:TCTGCAAG+GCTGCACT
AAGAAAACCTTCGTGAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCT
CACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG

+

FF
F:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2414:9616:28354_2:N:0:TCTGCAAG+GCTGCACT
GTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGG
GTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATT

@A00721:190:HGJW7DSXY:4:2121:31222:35963_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATC
GACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTTCGTAACCTTACCATATTGTTCC
TTC

@A00721:190:HGJW7DSXY:4:1548:29830:15922_1:N:0:TCTGCAAG+GCTGCACT
TTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTG
ATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCT
GTA

@A00721:190:HGJW7DSXY:4:2234:4797:3004_2:N:0:TCTGCAAG+GCTGCACT
GTTTTGGCCGACTTTAACTATTCTAAGAGTCATTATGATTCAAATCCTATCGTTGTCGTACCTTACAA
GGTGGAGGAGACTTTACAGCGGCGTATTGTCGCGCAGTTTCCAGAATT

@A00721:190:HGJW7DSXY:4:1214:16215:19899_1:N:0:TCTGCAAG+GCTGCACT
TTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAG
TGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTTCATATCCAAAACTCCTTGAATGGAGTAC
ATA

@A00721:190:HGJW7DSXY:4:2505:15709:21652_1:N:0:TCTGCAAG+GCTGCACT
TATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCAC
GAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGT
GA

@A00721:190:HGJW7DSXY:4:2524:19976:33458_1:N:0:TCTGCAAG+GCTGCACT
GTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGA
GATTGATGTATGTCATTTCTGCTTAGTTTGTCCCGCGAATTATTGGACACGATGAAAAATGACATAC
CCG

@A00721:190:HGJW7DSXY:4:2647:2130:23688_2:N:0:TCTGCAAG+GCTGCACT
TCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCCAAGGATTGGGTTATTCTCACAACAAAG

ATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGAC
+
FFFF:FF,FFFFFF:FFFFFFFF,FFFFFFFF,F:FFFFFFFF:FF,FFF,FFFFFFFFFFFFFFFF
FFFFFFFF,FFFF:F,:FFFFFFFFF:,FF,:FFFF:FFF,:FFFF
@A00721:190:HGJW7DSXY:4:1137:5104:19351_2:N:0:TCTGCAAG+GCTGCACT
GTGAACTCTTGGGGACTAGATTGAGCATTAAATGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGT
GGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1245:20699:17206_2:N:0:TCTGCAAG+GCTGCACT
AGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTC
AATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGT
+
FFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1430:2130:18396_2:N:0:TCTGCAAG+GCTGCACT
GATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGACGCGATCTTACTCGTTATCG
GAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACG
+
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1539:30228:7780_2:N:0:TCTGCAAG+GCTGCACT
AGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACTIONTATGGACA
AGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTAGTAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2331:31159:29152_1:N:0:TCTGCAAG+GCTGCACT
TGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATC
TTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTA
AGA
+
F,FF
FF
:FF
@A00721:190:HGJW7DSXY:4:2416:18394:25207_2:N:0:TCTGCAAG+GCTGCACT
CTTTGTACCTTCTGTCAAACCTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTG
GCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1362:17047:29825_1:N:0:TCTGCAAG+GCTGCACT
ACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCAATA
AACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGC
GAC
+
:FFFF:FFFFFFFFF:FFFFFFFFF:FFFF: :FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF: :F
FF,FFFFFFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1544:29044:7576_2:N:0:TCTGCAAG+GCTGCACT
CGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTT
TTCTACAGAGTGCAGTCGTTTCAACACTTATCACCCTTTTGTAAAG
+

[illegible]

@A00721:190:HGJW7DSXY:4:1332:2483:28714_2:N:0:TCTGCAAG+GCTGCACT
TTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCAATTGATACA
AACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATT

+

FFFFFFFFFFFFFFFFF:F:FF
FF

@A00721:190:HGJW7DSXY:4:2533:13810:29825_2:N:0:TCTGCAAG+GCTGCACT
TACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGT
AGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTTCGATTGGATTCTGA

+

FFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1121:28049:33254_1:N:0:TCTGCAAG+GCTGCACT
GTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTT
CACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATG
TCG

+

FFFFF,F,FFFFF,,FF
FFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2213:16703:16799_1:N:0:TCTGCAAG+GCTGCACT
TCTTGATGTTCTGGGCTGTGGGGATTAACTTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCAT
GAG

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1105:3088:22561_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTG
AAT

+

FFF,FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2224:28800:20306_1:N:0:TCTGCAAG+GCTGCACT
CTCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGA
AACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGAGAAAAC
GA

+

FF:FFFF:FF,,,FFFFFFFFF,F,:FFFF:FFFF:FF,:FFFF,FFFFFFFFFFFF,FFF,,FFF
FF:FF
FF

@A00721:190:HGJW7DSXY:4:1108:30029:20400_2:N:0:TCTGCAAG+GCTGCACT
GCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCAGAGTTACG
TAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAG

+

FFF
FF

@A00721:190:HGJW7DSXY:4:1317:11496:11224_1:N:0:TCTGCAAG+GCTGCACT
TCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAACT
GAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGTCCTAC
GTA

+
FFFFFFFFFFFFFFFFFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1522:17689:4633_1:N:0:TCTGCAAG+GCTGCACT
TCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTG
TTGACTACGATCTCTCTTGTAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACC
ACT
+
FFFFF:FFFFFFFFF:FFFFFFFF:FF
FFFFFFFFFFFFFFFFF::FFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2350:26386:33818_1:N:0:TCTGCAAG+GCTGCACT
TCGCAAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCGAGAAGAGATAGTGAATAAA
GTTTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGA
TCG
+
FF:FFFFF,FFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:1253:5104:24017_2:N:0:TCTGCAAG+GCTGCACT
CAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTA
CACATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATC
+
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFF:FFFFFFFFF:FFFFF,
FF:F,FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFF:F
@A00721:190:HGJW7DSXY:4:1617:1877:17989_1:N:0:TCTGCAAG+GCTGCACT
GTTTCAGACGTGTGCTCTTCCGATCTAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTGCTT
CTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGAACTCTCAGAGTTTACGGCAGA
AAA
+
FFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1217:27136:4648_1:N:0:TCTGCAAG+GCTGCACT
ATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCA
AGGTGAAAAGTTTGAAATTAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTA
TTC
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFF:FF:FFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1676:22001:31673_1:N:0:TCTGCAAG+GCTGCACT
TCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTG
AGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATC
GAG
+
FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2137:18548:24784_1:N:0:TCTGCAAG+GCTGCACT
ACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACT
GTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGAACCACTTAACGTCACTCGGTAATCT
TTC

```
+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2655:16161:11162_2:N:0:TCTGCAAG+GCTGCACT
TGTCGATCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGC
GCGTTTAGCTGTATCATCAGTCAGAGTATAACCCGATAGGGTACCGAGT
+
F:FFFFFFFFFFFFFF,FFFFF:Ffff,FFFFFFFFFFFFFFFF:FFFF::FFF,:FFF:FFFFFFFF:
FFF,FFF:FFFFFF:FFFF::FFFFFFFFFF:FFFF,:FF:FFFF
@A00721:190:HGJW7DSXY:4:2563:21703:25770_2:N:0:TCTGCAAG+GCTGCACT
GTTTTACAACGGAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGA
ACGGTGTTTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGT
+
FFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF
FFFFFF:FFFF:Ffffff,FFFFFFFFF:FFFFF::FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2204:27877:23625_2:N:0:TCTGCAAG+GCTGCACT
GCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTGCGTAAAGTCGACAGCGAAAT
GGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTCAT
+
FFF,FF,FFF,FF,F:FF::F,F,FFFF,F,, :FFF:,F,FFFFFF,,FFFF,FF:F,FF:,FFFF
:FFFF,F,FFFFFF,,,,FFF::F:F,F:,F,F,FF,,FFF:FFFF
@A00721:190:HGJW7DSXY:4:1210:28727:9533_1:N:0:TCTGCAAG+GCTGCACT
CTTGATGCTTCAGCATTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCAAATTTATTAA
TGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTT
TTA
+
FFFFFF:F:FFFF,:FFF,FFFFFF,FF:F:FF::F::F,FF:F,FFFFFFFF::,FFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:2564:18159:36855_1:N:0:TCTGCAAG+GCTGCACT
TCTCCCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCT
CGAGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCT
TGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1143:17128:18975_2:N:0:TCTGCAAG+GCTGCACT
ACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAAC
ACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1135:22200:8187_1:N:0:TCTGCAAG+GCTGCACT
TTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATT
TTGGACAATGTTTTGAAGCGAAATTTTGGAGGATAAACAGCGTACTTCTGCTCGCGATTTATTCT
TTT
+
FFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1369:24144:32315_2:N:0:TCTGCAAG+GCTGCACT
CGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGAGGACTTTGGGAGAGATTCGTTAGTTTAA
```


AAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAG

+

FF
F:FF:FFF

@A00721:190:HGJW7DSXY:4:2619:30174:32957_1:N:0:TCTGCAAG+GCTGCACT
CTATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGATATCTGTGCTTTGAATTGTATAAGATCA
AATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCT
TGT

+

FFFF:F,FFFFFF:FFFFFF,FF,FFFF:F,FFFFFF,FFFFFFFFFFFFFFFF:FFFF:FFF,FF:F
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2209:29062:29246_1:N:0:TCTGCAAG+GCTGCACT
AAGATTATCAGTAATCCTGATTCTACTACGATTTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAG
ACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCG
GTA

+

FF:FF,FFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1624:5755:25614_1:N:0:TCTGCAAG+GCTGCACT
AAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGT
CTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTTCTTCTTTGTTTCCTTCT
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1547:15402:14982_1:N:0:TCTGCAAG+GCTGCACT
TCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTACGATAACAACATCAGTTGATTAAGACTCT
TCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGCTGAAGCACACGTTTGACCGTGACGAACTGTG
GTG

+

FFFFFFFFFFF,:FFFF:FF,FFFFFFFFFFFFFFFFF:,FFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFFFF:FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1627:17870:11428_1:N:0:TCTGCAAG+GCTGCACT
GTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTC
GATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTTCATCGCAACCAGATGATATCTTCTATTGAACTT
ATG

+

FFFF:FF
FF
F:F

@A00721:190:HGJW7DSXY:4:2639:5611:32440_1:N:0:TCTGCAAG+GCTGCACT
TCTCTATTTTAAAGTTTTGTCTTCCTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATT
AAAAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAG
AGG

+

FF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1478:8531:13166_1:N:0:TCTGCAAG+GCTGCACT
CTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTTTAAATGCTTAACAACAATG

@A00721:190:HGJW7DSXY:4:1457:6750:27774_2:N:0:TCTGCAAG+GCTGCACT
AGGATTATGTCTGTGTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAA
TCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCG

+

F,FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:F:FFFFFF
FFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:1440:7455:36323_1:N:0:TCTGCAAG+GCTGCACT
ACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAA
GGGATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCAATAAT
CGC

+

FFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1330:24370:20964_1:N:0:TCTGCAAG+GCTGCACT
GGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTTATAAAGGTGAGGAGAC
CATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCT
GTA

+

FF
FFFFF:FFFFFFFFFFFFFF:FFF,FFFFF:,FFFFFFFFFF:FFFF:FFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1360:8974:22576_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAAC
TAAGTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATTACT
AAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2472:23330:11021_1:N:0:TCTGCAAG+GCTGCACT
AAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGA
TAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAATGAAGGAC
ACT

+

FF
FFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1455:2112:17487_1:N:0:TCTGCAAG+GCTGCACT
TCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAGATATCGTGATATCAGTA
CGTCCAGATCCTCTGCTTTTACCGATAACGATAAATTCGTCATCAAATATAAAGAAAAGGACTATGAA
ATA

+

FF:
:FF:
FFF

@A00721:190:HGJW7DSXY:4:2167:25717:2597_2:N:0:TCTGCAAG+GCTGCACT
CCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATT
GGTCCAACATTTACCACCAAATCTTTTGATACAACCTCTAGCCTTCAA

+

FF
FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2113:19877:30843_2:N:0:TCTGCAAG+GCTGCACT
CCAGATTGTTTCAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGC

AGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTT
+
FFFF,FF
FF:FFF
@A00721:190:HGJW7DSXY:4:2125:10908:25708_2:N:0:TCTGCAAG+GCTGCACT
TTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATGTTAA
TAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTA
+
F,F:FFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFF, :FFFF,FFFF:,F:FF,:FF,:,:FF:FFFF
:FF:,FFFF:,,:FFFFFFFF,FFFFFF, :FFFF:FFFF,FFFF
@A00721:190:HGJW7DSXY:4:2547:19226:31845_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAT
ATA
+
F,FFFFFFFF,FFFFFF,FFFFF:FFF:,F:FFFFFFFF,FFFF:FFFFFFFF,FFFFFFFFFFFF
FFFF:FFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1263:15049:33755_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACT
CTA
+
FF
FF:FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2233:26178:12258_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGG
ATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAG
+
FF:FFF:F:FFFFFFFFFFFF
FFFFFFFFFFFF:F:FFFFFFFFFFFF: :FFFFFFFF,FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1519:32533:20384_1:N:0:TCTGCAAG+GCTGCACT
ACACCCATCTAAACGAGTATAAAGCGAGTTCCCGTCCTTAACGTAATACACCAAGAGATAACCCGCA
CACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCT
+
:::FF,:,,,,:F,:,:F,F,:,,,FFF,F,:,:F,F:,,,FF,,,F,F,,,F,,,FF,:F
:FFFF:FF
@A00721:190:HGJW7DSXY:4:1320:28438:36839_2:N:0:TCTGCAAG+GCTGCACT
ATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATT
ATCTCTTATGTACTTATTGTAACGATCATTCTTTGAGTTTTGTGATT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF:FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF,F,FFF
@A00721:190:HGJW7DSXY:4:1102:13892:14278_2:N:0:TCTGCAAG+GCTGCACT
ATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATC
ATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTC
+
FFFFF:FFF
FFFFFFFFFFFFFFFFF: :FFFFFFFF:F:FF:FFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2461:18502:23202_2:N:0:TCTGCAAG+GCTGCACT
TATTATCCGATTCCTCGAGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTTCAATTCC
TTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTT
+

[illegible]

$+$

@

 $+$

@

+

©

+

④

+

9

+

©

+

6

+

6

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF  
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:F FFF:F FFFF,F FFFF  
@A00721:190:HGIW7DSXY:4:2227:18159:8265_1:N:0:TCTGCAAG+GCTGCACT  
ATTTAGGTCAACTTGGGGTTTTGAATGTCATTAGTGCCCTACGATTGAAAGAGGTCCTTTTGAGTATC  
GACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATT CGGTAACCTACCATATTGTTCC  
TTC  
+  
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGIW7DSXY:4:1556:12671:10786_1:N:0:TCTGCAAG+GCTGCACT  
TTTTACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATTGACTACTCGACTTTTG  
ATCTGGAGTTGTCTAGGGTCATGGCAGTTAATAACGATAAGGTGAAAAATATGCAGGTAAAAGATTCT  
GTA  
+  
FFF,F:F FFF:F,,FF,FFFF:,,,,F:FF:F,,FFFF:FFFF:FFFF,FFF,,FFF,,FF:F:FFFF,  
,F:F,:F,:F,FFF,F,F:F,FFFF,,FF,F,,F,FFF:FF:,,FF,,FFF,,FFF,F:FFFFFFFF  
FFF  
@A00721:190:HGIW7DSXY:4:2555:4517:3114_2:N:0:TCTGCAAG+GCTGCACT  
GTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCGTACCTTACAA  
GGTTGAGGAGACTTTACAGCGGCTTATTGTGCGCGAGTTTCCAGAATT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF:F:  
:FF:F FF:F,FFFFFFFFFFFFFFFF,F:F:FFF:FFFFFFFF:FFFF::  
@A00721:190:HGIW7DSXY:4:1320:8757:29966_1:N:0:TCTGCAAG+GCTGCACT  
TTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAG  
TGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTAG  
ATA  
+  
FFFFFFFFFFF:F::FFF:,FFF:FF,FFFFFFFFFFFFFFFF,,,,FFFFFFFFF:F,FF:F::FFFF  
FFF,FFF:FF:FFFF:FFFF:FFFF,FFFFFFFFFFFF:FF,F::F,:,F,:FFFFFFFFFFFFF:  
FFF  
@A00721:190:HGIW7DSXY:4:1517:12156:31407_2:N:0:TCTGCAAG+GCTGCACT  
TGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCA  
TGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACG  
+  
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFF  
FFF,FFFF:FFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:  
@A00721:190:HGIW7DSXY:4:1176:25418:20901_1:N:0:TCTGCAAG+GCTGCACT  
CTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGA  
GAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTC GCGCAATTATTGGACACGATGAAAAATGAC  
ATA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF:FFF:  
FFF  
@A00721:190:HGIW7DSXY:4:2166:2835:10473_1:N:0:TCTGCAAG+GCTGCACT  
TCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAAAGATA  
AGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGA ACTCTTG  
GGG  
+  
FFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF,F::FFFFFFFFFFFFFFFFF:FFFFFFFFF:F:F:FF  
FFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF  
FFF
```


TATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATGT
TGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1228:5801:7341_2:N:0:TCTGCAAG+GCTGCACT
ACGATTCTTAAAAGAAGTTTATTA AAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGC
AATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1226:31593:2065_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAGATC
CTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGA

+

FF
:FFFFFFFF:FFFF:FF:FFF
:FFFFFFFF:FFFF:FF:FF

@A00721:190:HGJW7DSXY:4:2408:9372:17628_2:N:0:TCTGCAAG+GCTGCACT
ATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTAC
AGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGA

+

FFFF:FFF:FFFFFFFFFFFF:FFFF:FFFFFFFF:FFF::FFFFFFFFFFFF:FFFFFF,FF,FF:F
FFFF:FFFF,FFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1511:18258:15389_2:N:0:TCTGCAAG+GCTGCACT
TCATAGGTATGTGTACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTC
GTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTGAGGAAGATC

+

FFF,:FFFFFFFFFFFFFFFFFFFF:FF:FFF
FFFFFFFFFFFF:FFFFF::FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2560:15826:3975_1:N:0:TCTGCAAG+GCTGCACT
TTTAGATAAATTCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGGTGATCTGA
ATCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGC
TTC

+

FFF:
FFF
FFF

@A00721:190:HGJW7DSXY:4:2553:8531:19523_2:N:0:TCTGCAAG+GCTGCACT
CCAAATTTAGCACTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCC

+

FF:FFF
FF:F

@A00721:190:HGJW7DSXY:4:2116:8495:28667_2:N:0:TCTGCAAG+GCTGCACT
GACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACG
ATGAAAGCTCTTTATGAGGTGCTCCAGATCGGAAGAGCGTCGTGTAGG

+

FFF
FF

@A00721:190:HGJW7DSXY:4:2211:24722:5071_2:N:0:TCTGCAAG+GCTGCACT
TTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTGATACA
AACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF::FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2542:19515:33223_2:N:0:TCTGCAAG+GCTGCACT
TACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGT
AGTCAGTTTACTACTTTTCTTTCCCTCCCCTTTTTTCGATTGGATTCTGA
+
FFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFF
FF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1403:30861:33489_1:N:0:TCTGCAAG+GCTGCACT
GTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTT
CACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATG
TCG
+
:FF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFF:FFFFFFFF:FFFFFF,FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1460:1533:28823_2:N:0:TCTGCAAG+GCTGCACT
GTTTCGGGCTGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTTACAAGG
ATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGA
+
F:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFF,FFFFFF:FFF,FFFFFFFF,FFFF:FFFFFF
FFF:FFF:FFFF:FFFFFFFFFFFFFFFF,FFFF,FF,F,F
@A00721:190:HGJW7DSXY:4:1476:22164:16203_1:N:0:TCTGCAAG+GCTGCACT
TCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACC
GATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGTCTCCACTGATTCGGAATTAGAGAAAGACGA
CCT
+
FFFFFFF:,FFFFFFFF,F:,F,F:FFFFFFFF:F::,FF:FFFFFFFF,F,FFFF,FFFFFF:F
FFF:FF:F:FFF:FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
F:F
@A00721:190:HGJW7DSXY:4:1250:10782:6574_2:N:0:TCTGCAAG+GCTGCACT
AATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTT
TCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFF
@A00721:190:HGJW7DSXY:4:2421:4517:34084_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGCGGTTGAAGAGAAAACCTGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATC
ACTCTCGGCGATACCACTGATCTTCAGAGTTACGTAGTGGTCGTTCT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2170:3106:24408_1:N:0:TCTGCAAG+GCTGCACT
TCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAACT
GAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGAATGTCCTAC
GTA
+
FFFFFFFF:FF
FFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2272:28085:16501_1:N:0:TCTGCAAG+GCTGCACT
TCTTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTG
TTGACTACGATCTCTTGTAAATAAGAAGTTCTTCGCGAGTTGAATCTCCACCAGGTGGAGGGAAGACC
ACT

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1433:27498:22842_1:N:0:TCTGCAAG+GCTGCACT
GCAAAAGGTCTTGAAGTACGTATTGTCACGTGCTAATCGTAATTCGCGAGAAGAGATAGTGAATAAGT
TTTGGCACTTCTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATC
GTA
+
FF:FFFFFF:FFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFF,FFFFFF:FFFF
FFFFFFFFFFFFFF:FFFFFFFF:FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1303:6135:21512_2:N:0:TCTGCAAG+GCTGCACT
CAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTA
CACATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATC
+
FFFFFFFFFFFFFFFF:FFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2139:19054:31892_1:N:0:TCTGCAAG+GCTGCACT
GTTGACGAGTGTCTCTTCCGATCTAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTGTT
CTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGTTTACGGCAGA
AAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1233:22697:18255_1:N:0:TCTGCAAG+GCTGCACT
ATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCA
AGGTGAAAAGTTTGAATTAACAAAGTCCTTGGAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTA
TTC
+
FF:FFFF:FFFF
FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1677:27064:29136_1:N:0:TCTGCAAG+GCTGCACT
TCTATCACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTG
AGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATC
GAG
+
F::FF
FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2307:1154:3020_1:N:0:TCTGCAAG+GCTGCACT
ACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACT
GTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACACCTAACGTCACGCGTAATCT
TTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1147:26323:11068_2:N:0:TCTGCAAG+GCTGCACT
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCAGCGTAGTCAGCGCGTTT
AGCTGTATCATCAGTCAGAGTATACCCGATAGGTTACCGAGTCTCCAA
+

F,F:F,:FFFF::FF,F,FFF:FF,,FFF,FF,FFF:F::FFFFFF,F:,,,FFFFF,:,,FFFFFFF
FFF:FF,FFFFFF:FF:FFFF,:FF,F,FFF,:FFFFFFFFFFFF,FFF
@A00721:190:HGJW7DSXY:4:2604:25753:31125_2:N:0:TCTGCAAG+GCTGCACT
GTTTTCACAAACGAAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGA
ACGGTGTTTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGT
+
FF:FFF
F:FFFFFFFFFFFF:FF:FFF
@A00721:190:HGJW7DSXY:4:2273:22788:11522_2:N:0:TCTGCAAG+GCTGCACT
GCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAAT
GGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTCAT
+
FF
FFFFFFFFFFFFFFFF:FF:F
@A00721:190:HGJW7DSXY:4:1506:32796:3333_1:N:0:TCTGCAAG+GCTGCACT
CTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCAAATTTATTAA
TGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTT
TTA
+
F:FFFFF:FFFFF:F::FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2613:8522:1720_1:N:0:TCTGCAAG+GCTGCACT
TCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTTCGAAGTTTGACAAATCT
CAAGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCT
TGA
+
FFFF:FFFFFF,FF,FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,FFFFFF:F::FFF,F
FF,FFFF,FFFF:F:FFFFFFFF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1225:8802:34366_2:N:0:TCTGCAAG+GCTGCACT
ACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAAC
ACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTAT
+
FF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1545:19877:13056_1:N:0:TCTGCAAG+GCTGCACT
TTGTCGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATT
TTGGACAATGTTTCGAAGCGAAATTTTGAGGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCT
TTT
+
:FFFFFFFFFFFFFFFF:F:FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2120:10059:32002_2:N:0:TCTGCAAG+GCTGCACT
CGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGAGGACTTTGGGAGAGATTGTTAGTTCTA
AAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAG
+
FF,FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2673:12418:29763_1:N:0:TCTGCAAG+GCTGCACT
CTATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCA
AATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCACCTTTCCT
TGT

+
FF:FF,FFF,FFF:FFFFFF:,F:,FFFF::,F:FFF,F,FFF,FF:F,,FF:::FF::F,F,FFF,
,FFFFFFFFF::FFF,FFF,,F:FF:FF:FFFFFF::F:,F:F,F,FF:FF:FFFFFF:FFF:FF:FFF:
FFF

@A00721:190:HGJW7DSXY:4:2244:31132:36808_1:N:0:TCTGCAAG+GCTGCACT
AAGATTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCATCCTGTACCTCTTCTGGAGAG
ACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCG
GTA

+
FFFFFFFFF:FFFFFFFFF:FF:FF:F:FF,:FFFFFFFFFFFFFFFFF,FF::F:FFFFFFFFF,
FFF:FFF:FF:FFFFFF,FFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:1626:24713:10723_1:N:0:TCTGCAAG+GCTGCACT
AAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGT
CTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTTCTTCTTTGTTTCCTTCT
TTG

+
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2145:3577:10974_1:N:0:TCTGCAAG+GCTGCACT
TCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTACGATAACAACACTATCAGTTGATTAAGACTCT
TCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAACTGTG
GTG

+
FFFFF,FF::FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFF:FFFFFFF
FFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2166:10755:8187_1:N:0:TCTGCAAG+GCTGCACT
GTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTC
GATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTCATCGCAACCAGATGATATCTTCTATTTCGAACCT
ATG

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2653:23113:36511_1:N:0:TCTGCAAG+GCTGCACT
TCTCTATTTTAAGTTTTGTCTTCCTTGTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATT
AAAAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAG
AGG

+
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1518:32253:9220_1:N:0:TCTGCAAG+GCTGCACT
CTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATG
ATAGTGAATTTATACCTACAATCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGAT
GCT

+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFF:FFFFFFF,FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1510:18114:8437_1:N:0:TCTGCAAG+GCTGCACT
GAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGTTAATTCTAAAACATTACCCGAAAGA

,:,:FFF,:FFFF,F,,F,,FFFFFF:FFFF,F,,FF::FFF,,FFF:F,FFF:FFFF,,,:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2453:4110:5321_2:N:0:TCTGCAAG+GCTGCACT
CGAAGTAAAGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAGCATACTACTTTTG
CTTTGATTACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTA

+

FF
FFFFFFFF:FFFFFFFF, :FF
FFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2248:27154:3082_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAAGTTCTAACCCTAAAGAGAATATCTAAAAT
ATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGT

+

FFF,FF
FF:
@A00721:190:HGJW7DSXY:4:1624:24894:32612_2:N:0:TCTGCAAG+GCTGCACT

TTCTCTCTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTT
TACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGAT

+

FF
FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1659:4309:15687_1:N:0:TCTGCAAG+GCTGCACT
TCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTGAAAGTTTG
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2621:11930:30044_2:N:0:TCTGCAAG+GCTGCACT
ATATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCTTGGATT
TTAATATAAAGAATCTTTACCAGGACTCTACTACAGGAGGCAGTCTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1119:21016:27273_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC

+

FF
:FF
FFF

@A00721:190:HGJW7DSXY:4:2325:27543:28181_1:N:0:TCTGCAAG+GCTGCACT
ATGGCGTTGGCCTAGTGGATGTTATTATTGACATCTGGTCAATTTCTGTTTTAGGTGGTCTTTATTCT
ATTATTGATTTTTATGAGATTGATACGTAAACAGAAGATCTGTTATCGACGGTTTATCGTTTACGAAG
TA

+

FFF:FFFF,F,F,FF:FFFFFFFF,,FFFF,FFFF,F,:FFF,FF:FFF,,FF,FF,FFFFFF:F
:FFFF,:FFFFFFFF:FF,,,:,,:FFFF:FFFF,F,FF:F,FF::F:FFFFFFFFF,:FFF
FF

@A00721:190:HGJW7DSXY:4:1550:12879:32440_2:N:0:TCTGCAAG+GCTGCACT
AGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAA
TCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCG

+

FFFF:F::FF:FF
FF

@A00721:190:HGJW7DSXY:4:1660:10384:24048_1:N:0:TCTGCAAG+GCTGCACT
ACTTTCTACGATACAAATGATACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAA
GGGATGCATGGTGTATCTCCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTCGTCATAAT
CGC

+

FF:FFFF:FFFFFFFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2302:27100:26224_1:N:0:TCTGCAAG+GCTGCACT
GGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGAC
CATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATT
GTA

+

FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1404:26332:27962_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAAC
TAATATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATTACT
AAT

+

FF:FF,FFFFFF,FFFFFFF:FF,FFFF:FFFFFFFF:FFFF,F:FFFFFFFF:FFFF:FFFFFF
FFFFFFFFFFFF:FF::F:FFFFFFFF:FF::FFFF:FFFF::F,FFFF:FFFF,FFF,FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2506:11686:10895_1:N:0:TCTGCAAG+GCTGCACT
AAAGGCTCCAGTCAACACTAGTTGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGA
TAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAATGAAGGAC
ACT

+

FFFFFFFF:FFFFFF:FFF:FFFFFFFF:F,:FFFF:FFF:FFF:FFFFFFFF:FFFFFF:FFFF
F:FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1458:18096:13667_1:N:0:TCTGCAAG+GCTGCACT
TCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAGATATCGTGATATCAGTA
CGTCCAGATCCTCTGCTTTTACCGATAACGATAAATTCGTCATAAAATATAAAGAAAAGGACTATGAA
ATA

+

FF,,F,:FFFF,:FFFFFFFFFFFF,FFF:FFFFFF,FFF::FF::FFFFFFFF,FFFFFFFF
FFF:FFFF,:F,FFFFFFFF,,FFFF:F,FFFFFF:,FFF,FFFF:F:FFFFFF::FFFFFFFF,
FFF

@A00721:190:HGJW7DSXY:4:2445:9579:28228_2:N:0:TCTGCAAG+GCTGCACT
CCACATTTTGGTCAAGTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATT
GGTCCAACATTTACCACCAAATCTTTTGATACAACTCTAGCCTTCAA

+

F,FFFF,F:FFFF::FFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:F::FFFFFFFF,FFFFFF:FFFFFFFFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2148:22453:4742_2:N:0:TCTGCAAG+GCTGCACT
CCAGATTGTTTCAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGC
AGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGTTTT

+

FF
FFFFFFFFFFFF:FF:FFFFFF:FF::FFFFFFFF:FFFF

$+$

+

 $+$
$$+$$

+

+

+

+

@A00721:190:HGJW7DSXY:4:1635:29993:33896_2:N:0:TCTGCAAG+GCTGCACT
CTTTATTTT CAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTAT

@A00721:190:HGJW7DSXY:4:2649:21468:23735_2:N:0:TCTGCAAG+GCTGCACT
GTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGG
GTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATT

+

FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2269:22191:24643_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATC
GACGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTACCATATTGTTCC
TTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1658:8784:9940_1:N:0:TCTGCAAG+GCTGCACT
TTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTG
ATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCT
GTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1614:13340:8970_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGTACCTTACAAGTTGAGGAGACTTTACAGC
GGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2207:6135:17942_1:N:0:TCTGCAAG+GCTGCACT
ATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTTCAT
ATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTA
TAC

+

FFFF:FFF:FFFF,FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2456:7175:33865_2:N:0:TCTGCAAG+GCTGCACT
TTGATTGGGAACGTACCTACTCACGAGACGTATGAAAGCTATCGAGGGAAGCAAATGTTTCGTTT
TGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATA

+

FFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2540:5222:23938_1:N:0:TCTGCAAG+GCTGCACT
CTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTTCGTCTTAGTTT
GTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGT
CAT

+

FF
FFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2647:6424:12148_2:N:0:TCTGCAAG+GCTGCACT
AACAAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCCTTAAGGGCGGACAATTGTTCCATTG

$+$

@A00721:190:HGJW7DSXY:4:1501:25238:25379_2:N:0:TCTGCAAG+GCTGCACT
TATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTT
CGTTCTCAATAAAAAATTTTCTCAAGAGATTATGGAGATCGGAAGAG

+

@A00721:190:HGJW7DSXY:4:2378:19443:11459_1:N:0:TCTGCAAG+GCTGCACT
TACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAA
CAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTCATATAGATACGAGATACC
TAG

+

@A00721:190:HGJW7DSXY:4:1459:9435:32456_2:N:0:TCTGCAAG+GCTGCACT
AGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACG
TTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGA

+

@A00721:190:HGJW7DSXY:4:1431:16812:26099_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTAGTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAA
AAT

+

@A00721:190:HGJW7DSXY:4:1341:8983:9596_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAACCA
AGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAAC

+

@A00721:190:HGJW7DSXY:4:2356:17671:24205_2:N:0:TCTGCAAG+GCTGCACT
TACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTG
TAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCT

+

@A00721:190:HGJW7DSXY:4:2448:14597:4507_2:N:0:TCTGCAAG+GCTGCACT
CGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTT
TTCCTACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTTGAAAGG

+

@A00721:190:HGJW7DSXY:4:2663:27697:11224_1:N:0:TCTGCAAG+GCTGCACT
GTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGAC
ATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTCGAAA
ACT

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1248:16658:34820_2:N:0:TCTGCAAG+GCTGCACT
ACGATTCTTAAAAGAAGTTTATTA AAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGC
AATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGT
+
FFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1241:2437:6151_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATC
CTTTCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF
@A00721:190:HGJW7DSXY:4:1220:3043:7294_1:N:0:TCTGCAAG+GCTGCACT
CTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTGTGATAAATCCTGATGGCTCAGTACAG
GGAGGAGGTAATAGTTATAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATG
GAC
+
FFFFFF:FFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF:FFF:FFFFFFF
F:FFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1554:22715:30874_2:N:0:TCTGCAAG+GCTGCACT
TCATAGGTATGTGTACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTC
GTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTT CAGGAAGATC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1152:32850:36213_1:N:0:TCTGCAAG+GCTGCACT
TTAGATAAATTCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGGTGATCTGAA
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F:FFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2553:9046:17816_2:N:0:TCTGCAAG+GCTGCACT
CCAAATTTAGCACTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2122:2917:23735_2:N:0:TCTGCAAG+GCTGCACT
GACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACG
ATGAAAGCTCTTTATGAGGTGCTCCAGATCGGAAGAGCGTCGTGTAGG
+
:FFF,FF,:F,F:FF,FFF:FFFFFFFFFFFFFFF::F:FFFFFFFFFFFFFFFF:FFFF,F,F,,F,,FFFF
FF:FFFF,FFFF,FF,FFF,,FFFF:::,FF,F,:,FF:FFFFF
@A00721:190:HGJW7DSXY:4:2516:25545:30358_2:N:0:TCTGCAAG+GCTGCACT
TTGATAAATTTGTTGGAATCGATAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTGATACA
AACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAGATT
+

```

FF
FFF
@A00721:190:HGJW7DSXY:4:2575:4490:1532_2:N:0:TCTGCAAG+GCTGCACT
TACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGT
AGTCAGTTTACTACTTTTCTTCCCTCCCCTTTTTCGATTGGATTCTGA
+
FF, FFFFFFFFFFFFFFFFFFFFFFFF:F
FFF
@A00721:190:HGJW7DSXY:4:1677:13232:5368_1:N:0:TCTGCAAG+GCTGCACT
GTAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTT
CACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATG
TCG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1562:14778:22795_2:N:0:TCTGCAAG+GCTGCACT
GTTCTGGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTTACAAGG
ATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1507:8061:8656_1:N:0:TCTGCAAG+GCTGCACT
TCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACC
GATCTCAGTTCTACCACAGAAACCGTCTCAGGAACGTCTCCA CTGATT CGGAATTAGAGAAAGACGA
CCT
+
FFF, FFF
:FF
FFF
@A00721:190:HGJW7DSXY:4:2614:13223:14152_2:N:0:TCTGCAAG+GCTGCACT
AATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTT
TCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1217:30011:12289_1:N:0:TCTGCAAG+GCTGCACT
GGTTGAAGAGAAA ACTGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCG
GCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCTGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT
TCT
+
FF: FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2217:26024:19288_1:N:0:TCTGCAAG+GCTGCACT
TCAGTTTTTCAAAAAGCTATTAATAGCAGTTGCGGGGATATAATACCGCCTCCAGATTACTCTAAACT
GAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGA ACTGTGTAATGTCTCTAC
GTA
+
FFF:F: FFFFFFFFFF: FFFFF: FFFFFFFFFFFFFFFFFF, FFFFFFFFFFFF:F,F,, FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF, FFFFFFFFFFFF: FFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1126:25274:35775_1:N:0:TCTGCAAG+GCTGCACT
TTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTGT

FF
FFF

@A00721:190:HGJW7DSXY:4:2155:17400:34851_1:N:0:TCTGCAAG+GCTGCACT
TCCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTTCAACGGAAGACATATCGCA
CCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTGTTTGATCAGTCTAAGTTGGA
TAA

+

FFF:FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1678:7193:14074_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGT
AAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATG

+

FF:FFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2116:16450:1673_1:N:0:TCTGCAAG+GCTGCACT
AGCTCATGGTGAAAAGGGAAGCTAAGGTAAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCA
CAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGGACCTATCTTTAAGGTTCTGTGAG
GAG

+

FF,FFFFFFFFFFFFFFFFFFFF
FFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1322:10303:34992_1:N:0:TCTGCAAG+GCTGCACT
TCTCTCTTAGGAGGTCATGACTACTATAAGGGTGAAATCGATTTTTTCGAAGTTTGACAAATCTCA
AGATTTCTTTGTAAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTG
AAC

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1275:13865:28385_2:N:0:TCTGCAAG+GCTGCACT
ACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAAC
ACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTAT

+

FF
FFF:FF

@A00721:190:HGJW7DSXY:4:1549:9173:23171_1:N:0:TCTGCAAG+GCTGCACT
TTGTCGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATT
TTGGACAATGGTTTCGAAGCGAAATTTTTGAGGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCT
TTT

+

FFFFF:FF:FFFFF,FFFFFFFF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2206:5104:15468_2:N:0:TCTGCAAG+GCTGCACT
CGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGAGGACTTTGGGAGAGATTGTTAGTTTTTA
AAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGGCGATTAG

+

FF
FF:FF:FF:FFFFF:FFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:1644:31448:3411_1:N:0:TCTGCAAG+GCTGCACT
TATTCTATATTCGATTGAGGTTCTTTATAACTATTGGCTATCTGTGATTTTAATTGTATAATATCAA

@A00721:190:HGJW7DSXY:4:2145:1488:23109_1:N:0:TCTGCAAG+GCTGCACT
GAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGTTAATTCTAAAACATTACCCGAAAGA
CGTGCTAAATTAAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCC
TAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2615:18349:29543_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGT
GAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATT
TCA

+

FFFFFFFF:FFFFFF::FF,FFFFFFFF:FF:FFFFFF
FFFFFFFFFF:FFF::FFFFFFFF,FFFFF:FF:FFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1145:14199:14497_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTT
CAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGT
TAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1573:2193:7639_2:N:0:TCTGCAAG+GCTGCACT
AGTGTTATTTATTCTGGTGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC

+

FF:F:FFFFFFFF:FF
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2123:20690:8516_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAG

+

FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2527:7310:8328_2:N:0:TCTGCAAG+GCTGCACT
CTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGCTATTACTCTTGCTGAAACAGCTATTAAAGC
TGTTGAGCGGGTAATTACACCTAAACGAGAGATCGGACGAGCGTCGTG

+

FF
FFF,FF,FF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1513:3414:30608_1:N:0:TCTGCAAG+GCTGCACT
GCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACTTCTAATAAAGG
TCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTA
ATT

+

FFFF::FF:FFFFFFFF
FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1310:20690:18724_1:N:0:TCTGCAAG+GCTGCACT
TTTATCTTTCCTCTGGCCTTGTATGAGGGTGTCTTAATCGTAACATTAATAATTTCAATCTTCTTA

AAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAA
GTG

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1247:7446:16016_1:N:0:TCTGCAAG+GCTGCACT
AAGTAAAGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAGCATACTACTTTTGCT
TTGATTACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAACAAGTTGTACTTATCAATGA
TTT

+

FFFFFF:FFFFFFFFFFFF:F:FF
FFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1474:18493:13135_2:N:0:TCTGCAAG+GCTGCACT
CCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACCTATCTACGAACCTAAAGTTCTGAAGACGT
TGCTTGTGCTTCCTCCTTAATGGCACTACCTCGGTACAATCTTACT

+

FF
FFF:FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2102:14190:23563_2:N:0:TCTGCAAG+GCTGCACT
GCGACCTGTTCCGGAGTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGAT
TTCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGAC

+

FF
FFF:FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1318:28330:6527_1:N:0:TCTGCAAG+GCTGCACT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGTTACGAGAAGAAGGTTGAAAGTTTG
AGAACTTAGTTTACGAACCTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTT
GAT

+

FFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2146:25798:29857_2:N:0:TCTGCAAG+GCTGCACT
AAAATTTTCTTCCTTGGAATTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTT
CTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1158:26042:31156_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC

+

FFFF,F,FFFF:FFFFFFFFFFFF:FF:F:F,FFFF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF
F:FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2676:24478:27164_1:N:0:TCTGCAAG+GCTGCACT
GGCGTTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTCTGTTTTAGGTGGTCTTTATTCTAT
TATTGATTTTTATGAGATTGATACGTTAACAGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTA

+

:FF
FFFFFFFFFFFFFFFFFFFF:FF:FFFF:FF

$+$

@A00721:190:HGJW7DSXY:4:2348:27100:6151_1:N:0:TCTGCAAG+GCTGCACT
ACTTTCTACGATACAAATGATACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCCCAGCAA
GGGATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAAT
CGC

 $+$

@A00721:190:HGJW7DSXY:4:2459:9218:27539_1:N:0:TCTGCAAG+GCTGCACT
GGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAAC TTATAAAGGTGAGGAGAC
CATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCT
GTA

 $+$

@A00721:190:HGJW7DSXY:4:2302:18123:34695_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAAC
TAACATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATTACT
AAT

+

@A00721:190:HGJW7DSXY:4:1102:31114:29418_1:N:0:TCTGCAAG+GCTGCACT
CTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTT
TTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTC
GAA

+

@A00721:190:HGJW7DSXY:4:1466:29677:29434_1:N:0:TCTGCAAG+GCTGCACT
TCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAGATATCGTGATATCAGTA
CGTCCAGATCCTCTGCTTTTACCGATAACGATAAATTCGTCATCAAATATAAAGAAAAGGACTATGAA
ATA

+

@A00721:190:HGJW7DSXY:4:1223:12744:25473_1:N:0:TCTGCAAG+GCTGCACT
GTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACC
ACCAAATTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTAC
CAG

+

[illegible]

@A00721:190:HGJW7DSXY:4:1131:28637:16705_1:N:0:TCTGCAAG+GCTGCACT
CCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCTTTAAAGACTGCAGAGGCTGTCAAACA
AGCCCAGCCTCAAGGAGTCCAATAAAATGGTTAGACAGGAGCTCAACGGGTGAGACGTGCTTACATGG
GTG

+

FFFFFFFFF:FFF
FFFFFFF:FFFFFFFFFFFFFFFFFFFFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1550:28492:5149_1:N:0:TCTGCAAG+GCTGCACT
TACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGAAGTCCGGAGTATATTGTATGTTAATAG
ATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCGTCTGAA
GAG

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2669:31828:29215_1:N:0:TCTGCAAG+GCTGCACT
ACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGA
CGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAT
ATA

+

FFFFFFFFFFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1318:9914:1031_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGAACAACCTTTACTTAGAATGACT
CTA

+

FFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFF:FF::FFFFF,FF:F:FF:FFFF,F
FFF

@A00721:190:HGJW7DSXY:4:2278:29496:27461_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTCTTAGCTAATAGATTAATAAAGG
ATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAG

+

FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF,

@A00721:190:HGJW7DSXY:4:1243:6072:17300_1:N:0:TCTGCAAG+GCTGCACT
ACACCCATCTCAACGTGTATAAAGCGATTTTTCCGTCCTGACCTTAATACACGAAGAGATCATCCGCA
CACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTA
CTC

+

F:FFF,FF:F,:::F,:F,F:,F::,,FFF:F::,F,F,F,:FFF,:FFF,F,F:,F,,::F:::,
,FFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1556:2320:35884_2:N:0:TCTGCAAG+GCTGCACT
ATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATT
ATCTCTTATGTACTTATTGTAACGATCATTCTTTCGAGTTTGTGATT

+

FFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1449:2564:34898_2:N:0:TCTGCAAG+GCTGCACT
ATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATC

ATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTC

+

:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFF
FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF:FFF:FFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1143:18195:15875_1:N:0:TCTGCAAG+GCTGCACT
TATTATCCGATTCTTCGAGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTTCAATTCC
TTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTA
TTT

+

FFFFFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1204:19696:10081_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTT
TTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAA

+

FFFFFFFFF:FFFFF:FFFFFFF,FFFF::F,FFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFF:F
FFFFFFFFFFFFFFFFF:F:FFFFFF:FFFFFFF:FFFFFFFFF:FFFFFF:FF,FFFFFF,FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1425:19958:25003_2:N:0:TCTGCAAG+GCTGCACT
TATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT
AGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAG

+

FFF:FF:FFF:FFFFFFFFFFFFF:
F:FFFFFFFFFFFFF:FFFF::FFFFFFFFFFFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1677:11324:17910_1:N:0:TCTGCAAG+GCTGCACT
CTTTTACCGTTAGAAGTGAAGAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGA
CTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGTATGGTATAATGTG
TCT

+

FF
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2437:18765:30389_1:N:0:TCTGCAAG+GCTGCACT
TTCCTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATT
TATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATT
GTA

+

FF
FFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2366:21151:6370_2:N:0:TCTGCAAG+GCTGCACT
GTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTG
CTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGG

+

FF
FFFFFFF,FFFFFFFFFFFFF:FFFFFFFFFFFFF,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1132:17436:26835_2:N:0:TCTGCAAG+GCTGCACT
CCTACCATGACCAATCATCGCTCCAACCTGGCAGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCG
GCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAA

+

FFFFF,:FFFFFFF,F:FFFFFFFF,FFF:F:FFFF,FFFFFFFF,,FFFFFFF,:FFFFFFFFFF:FF
FFF:FFFFFFFFFFFFFFFF:FFFF,,FFFFFFFFFFFFFFFF:FF:

$+$ $+$

+

+

+

 $+$ $+$

+

FFFFFFFFFFFFFFFFFFFFF:F:FFF
FF:
@A00721:190:HGJW7DSXY:4:1166:32199:32612_1:N:0:TCTGCAAG+GCTGCACT
TCTTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCT
CCGAAATTAAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAA
AGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1201:18728:2487_2:N:0:TCTGCAAG+GCTGCACT
AGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAA
GGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAG
+
:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2352:10221:10802_1:N:0:TCTGCAAG+GCTGCACT
TTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTGTAGATAATCTTTTGAGAAGGGGTCATAGA
GCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATT
AA
+
F:FFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFF
FFF
FF
@A00721:190:HGJW7DSXY:4:2424:2410:24987_2:N:0:TCTGCAAG+GCTGCACT
AATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATCGACAGATCTTCGATCTTGAGGA
CGTACATTTAACGTGGCAGAATTCGGTAACTTACCATATTGTTTCCTTC
+
FFFFFFFFFFFFFFFFFFFFF:FFF:FFFF:FFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFF
FFFFF,,FFFF:,F:FFFFF:FFFFFFFFF::FFFFFFFF:FFFFF,FF
@A00721:190:HGJW7DSXY:4:2125:22119:34006_1:N:0:TCTGCAAG+GCTGCACT
TTTAACTTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTG
ATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCT
GTA
+
FFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2106:11143:35383_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGC
GGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC
GTC
+
FFFFFFFFFFFFF:FFF
FF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2211:16857:27430_1:N:0:TCTGCAAG+GCTGCACT
ATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTGGTTTTTCAT
ATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTA
TAC
+
FF:, ,FF,FF:, ,FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF,FF
:FF,FFFFFFFFFFFFF,:FFFFFFFF,FF:FFF:FFF:F:F::,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
FFF

@A00721:190:HGJW7DSXY:4:2632:18756:32878_2:N:0:TCTGCAAG+GCTGCACT
TTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGAGGGAAGCAAATGTTTCGTTCT
TGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATA

@A00721:190:HGJW7DSXY:4:1551:5972:31187_1:N:0:TCTGCAAG+GCTGCACT
TCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGG
TTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
GAA

[illegible]

@A00721:190:HGJW7DSXY:4:2553:4978:11960_2:N:0:TCTGCAAG+GCTGCACT
CGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTCAAAAATGCGGATGGGTCTACTGATGTT
TTCCTACAGAGTGCAGTCGTTTCAACACTTATCACCACTTTTGAAAGG

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFF,FF:FFFF:::F:F
```

@A00721:190:HGJW7DSXY:4:2663:28483:11898_1:N:0:TCTGCAAG+GCTGCACT
GTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGAC
ATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTCGAAA
ACT

[illegible]

@A00721:190:HGJW7DSXY:4:1410:4725:25363_2:N:0:TCTGCAAG+GCTGCACT
ACGATTCTTAAAAGAAGTTTATTA AAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGC
AATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGT

[illegible]

@A00721:190:HGJW7DSXY:4:1305:18927:6402_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGATTCAATCTGGCATCACTGAACGCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATC
CTTTGCACAAGCAATACCTTCCACTGAGTTCATACCCAGAGTTTCGA

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

@A00721:190:HGJW7DSXY:4:2128:3549:10833_1:N:0:TCTGCAAG+GCTGCACT
CTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAG
GGAGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATG
GAC

[illegible]

@A00721:190:HGJW7DSXY:4:2268:4056:33285_2:N:0:TCTGCAAG+GCTGCACT
TCATAGGTATGTGTACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTC
GTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTGAGGAAGATC

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FF

```

@A00721:190:HGJW7DSXY:4:1211:11107:32377_1:N:0:TCTGCAAG+GCTGCACT
TTAGATAAATTTCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGGTGATCTGAA
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCA

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:1130:26187:34068_1:N:0:TCTGCAAG+GCTGCACT
CCAAATTTAGCACTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTG
TCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2142:21314:2237_2:N:0:TCTGCAAG+GCTGCACT
GACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCGCG
ATGAAAGCTCTTTATGAGGTGCTCCAGATCGGAAGAGCGTCGTGTAGG

+

FFFFFFFFFF,FF:FF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1105:27055:32033_1:N:0:TCTGCAAG+GCTGCACT
TAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCT
TAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAG
AAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2664:28122:2534_1:N:0:TCTGCAAG+GCTGCACT
GTAGGTCTCCTAGTTCTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTT
CACATTGCGTGATCACGTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATG
TCG

+

FFFFFFFFF:F,FF,FFFF,FFFFFF:F:FFFFFFFFF,F::FFFF,FFF,FFFFFFFF:FFF,,FF
F:F,:FFF,FFFFFF:,F:FFFFFFFFF::FFFFFFFF:FFFFFF:FFFFFFFF:FF::FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2337:9688:29919_2:N:0:TCTGCAAG+GCTGCACT
GTTTCGGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTCAAGG
ATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGA

+

FFFFFFFFFFFFFFFFF:FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:2462:29170:25426_1:N:0:TCTGCAAG+GCTGCACT
TCTTGGTCGAAAAATATCGCCGGAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACC
GATCTCAGTTCTACCACAGAAACGCTCAGGAACTGTCTCCACTGATTCGGAATTAGAGAAAGACGA
CCT

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2465:28818:34460_2:N:0:TCTGCAAG+GCTGCACT
TTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTC
AAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAA

+

FFFFFFFFFFFFFFFFF,FF
FF:F:FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1511:3414:1266_1:N:0:TCTGCAAG+GCTGCACT
GGTTGAAGAGAAAACGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCG

GCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT
TCT

+

FFF:FFFFFFFFFFFFFF,F,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2404:17933:5368_1:N:0:TCTGCAAG+GCTGCACT
TCAGTTTTCCAAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAACT
GAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGTCCTAC
GTA

+

FFFFFFFFFFFFFFFF:FFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFF
FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1614:5990:23766_1:N:0:TCTGCAAG+GCTGCACT
TTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTGT
GACTACGATCTCTCTTGAATAAGAAGTTCTTCGAGTTGAATCTCCACCAGGTGGAGGGAAGACCAC
TGA

+

FFFFF,FFFFFFFFF,FFFFFFF,FFF:F,,F:FFFFFF,FFF,FFFF:F:FFFF:FF,,FFFFFFF
FFFF,FFFFFFFFF,,FF,FFFFFFF:FFF:,FFFFFFFFFFFF,FFFFF:FF:FFFFFF:FFFFFFF
FF,

@A00721:190:HGJW7DSXY:4:1334:30861:26162_2:N:0:TCTGCAAG+GCTGCACT
ATTGTCACTGCTAATCGTAATTCGCGAGAAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCG
CGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFF:FFFFFFFFFF,,FFFFFFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:2260:16405:6887_2:N:0:TCTGCAAG+GCTGCACT
CAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTA
CACATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATC

+

FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2433:10285:15295_1:N:0:TCTGCAAG+GCTGCACT
GTTCAGACGTGTGCTCTTCCGATCTAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTGCTT
CTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGAACTCTCAGAGTTTACGGCAGA
AAA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1519:11026:15577_1:N:0:TCTGCAAG+GCTGCACT
ATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCA
AGGTGAAAAGTTTGAAATTAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTA
TTC

+

FF
FF:FFFFFFF:FF::FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1460:15121:15937_2:N:0:TCTGCAAG+GCTGCACT
ACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGA
TCAATCACAGTAAGGAACTGTCACGTTTAGCACGGGAGGTTGCAGATT

+

F:FFFF:F,FFFF,F:FFFFFFFFFFFFFF:FFF:FFF:FFFFFFFFFFFF,F:FFF,FFFF:FFFF:FFF
:FFFFFFFFFFFF,FFFFF,:FFFFFF:F:FFFFFFFFFFFFFF:FFFF:F
@A00721:190:HGJW7DSXY:4:1502:22851:10942_2:N:0:TCTGCAAG+GCTGCACT
CTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGA
TCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1539:24994:34194_1:N:0:TCTGCAAG+GCTGCACT
GTCACGCGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGA
TCAAGGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCAT
CAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2166:28167:4742_1:N:0:TCTGCAAG+GCTGCACT
TCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCAACGGAAGACATATCGCA
CCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGATCAGTCTAAGTTGGA
TAA
+
FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2115:15600:35336_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGT
AAAGTCGACAGCGAAGTGGTCAATATTGATAATTGGACCGACTATATG
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2568:4318:22498_1:N:0:TCTGCAAG+GCTGCACT
AGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCA
CAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGACCTATCTTTAAGGTTCTTGTGAG
GAG
+
F:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1514:15989:4476_1:N:0:TCTGCAAG+GCTGCACT
TCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTTCGAAGTTTGACAAATCTCA
AGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTG
AAC
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1330:15609:22169_2:N:0:TCTGCAAG+GCTGCACT
ACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAAC
ACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTAT
+
FF:FFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2406:19714:7326_1:N:0:TCTGCAAG+GCTGCACT
TTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATT

TTGGACAATGGTTTTGAAGCGAAATTTTTGAGGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCT
TTT

+

:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2324:31684:2691_2:N:0:TCTGCAAG+GCTGCACT
CGTTAAGTTAGGTAAACCCCTAACCGATGTTACTCTTGTAGGACTTTGGGAGAGATTCGTTAGTTTAA
AAGACTATACTAAATATCTCCACTACGAGGTTGTTGTTTGCGGATTAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF,FFF::F,F,FFFFFFFF::FFFFF,

@A00721:190:HGJW7DSXY:4:1224:11225:15045_2:N:0:TCTGCAAG+GCTGCACT
ATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTAACTGTGCTATGAATTGTATAAGATCAAA
TTTTAAACGAATCCGATAGGTTTATCCTTATGTGGAGGTAGTTCTTAA

+

FFF,,FFF:FFFFFFFFF,FFFF:FF:FF,:FFF,:FF,F:F,:FF,F,F,FF,,FFFF,F,,FFF
F,F:FFF:,F,,:F,:,:,FFF,FF,FF,:F:,,:FFF,:,,F,FF,,

@A00721:190:HGJW7DSXY:4:2577:4191:32518_1:N:0:TCTGCAAG+GCTGCACT
AAGATTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTCCATCCTGTACCTCTTCTGGAGAG
ACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCG
GTA

+

FF:FFFFFFFFF
:FF
FFF

@A00721:190:HGJW7DSXY:4:2550:32579:5149_1:N:0:TCTGCAAG+GCTGCACT
CCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACT
TGACCATCTTTCATTTTAAATGACGATCATTAAAGACTCTCTTCTTCTTTGTTTCCTTCTTTGCACTG
ATT

+

FFFFFFFFF:FF:FFFFFFFFF
FFFFFFFFF:FF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2656:15139:32722_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGC
GAACCTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAACTGTGGTGTCTTGA
TCT

+

FF
FFFF:FF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2461:31403:8312_1:N:0:TCTGCAAG+GCTGCACT
CACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTTAAGCGTCTTCTGTTTCATCGCAAC
CAGATGATATCTTCTATTCGAACCTATGTTTCGATCAGTGTTTCTTCTATCAGGAGGAAAACACTTGT
TCT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1550:24216:3286_1:N:0:TCTGCAAG+GCTGCACT
TCTATTTTAAGTTTTGTCTTCCTTGTTTGCTTATTCTATTAATCACTCATTTTGTGAGATTATTAA
AAACGCACTAAAACGTCTTCGACAACCGCAGGGGTTTTGAATAGTGATAGCCACCCGCTTACAGAG
GGG

+
F:F:FF:F::FFFFFF:,FF:F:FFFF,FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFF
FFFF:,FFFFFFFFFFFF:FFFFFFFFFFFF,,F:FFF:FFFF:FFFFFFFFFFFFFFFFFF:FFFFFFFFF::FF
:FF
@A00721:190:HGJW7DSXY:4:2170:18638:1297_1:N:0:TCTGCAAG+GCTGCACT
CTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATG
ATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGAT
GCT
+
FFF::FFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2318:19153:22294_1:N:0:TCTGCAAG+GCTGCACT
GAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGA
CGTGCTAAATTAAAACCATTTGTACGATGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTCC
TAC
+
FFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2675:6822:25520_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGT
GAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATT
TCA
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1429:9236:8469_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTTCATATTATGAATGAACCTTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTT
CAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGT
TAC
+
FFF
FFFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1604:26476:36229_2:N:0:TCTGCAAG+GCTGCACT
AGTGTATTATTTATCTGGTGGTGGTATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC
+
FFFFF:FFF:F:FF:FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFF:FFFFF:
@A00721:190:HGJW7DSXY:4:2129:25066:29716_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAG
AAG
+
FFFF:FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1649:10276:18286_1:N:0:TCTGCAAG+GCTGCACT
CTGATTCCGGGCGGTGGTAGCTCATTTCTACCTGGGGCTATTACTCTTGCTGAAACAGCTATTTAAGC
TGTTGAGCGGGTAATTACACCTAAACGAGCTAGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTG
C

+
:FF,,F,F::,,F,,F:,F:,F:FFFFFF:,F,,FFFFFF:FFFF,FF,F:F::F,F,,F,FF,,:FF
F:F:F:,:,FFFF,FFFF,F,:FF,FF,:,:F,FFF,,,F,,F,,,FF,,FF,F:::,FFFFFF,FFF,

,
@A00721:190:HGJW7DSXY:4:2375:31882:7388_2:N:0:TCTGCAAG+GCTGCACT
TCGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCT
GGATCTGCGTTACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGAC

+
FF
FFFFFFFFF:FFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:1604:9444:36605_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTA
TCGTTCAAGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGA
TAA

+
F:FFFFFFFF:FF,FFFF,FFFF,FFFFFF:F:FF:FFFFFF,FFFF:FFFFFFFF,FFFFFFFF:FF:FF
FFFFFFFF:FFF,F,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F:FF
FFF

@A00721:190:HGJW7DSXY:4:1401:20654:28150_1:N:0:TCTGCAAG+GCTGCACT
CTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATC
GCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAA
ATA

+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1610:19831:27853_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCCTCTTTAATGGCACTACCTCGGTACAATCTTACTTGAACGAAGGCGA
CCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG

+
FF
FFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFF:F,FFFF

@A00721:190:HGJW7DSXY:4:2444:23610:11945_2:N:0:TCTGCAAG+GCTGCACT
TCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATC
TGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGGCCTCTCTTC

+
FF
FFFFFFFFFFFFFFFFFFFF,FFFF:FFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1126:29243:7326_2:N:0:TCTGCAAG+GCTGCACT
TATTTGGATGATCTTGATAAAGAACTTCATGAATTTTACAGAGGATGAAAAATTTCTTCTTGATTT
TAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTC

+
FF
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1170:16016:36307_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACGTTTATCGTTTACGAAGT
ATC

+
FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1136:30156:32362_1:N:0:TCTGCAAG+GCTGCACT
TTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTTCGTTTTTAGGTGGTCTTTATTCTATTATT

GATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGT
AAC

+

FF:F:FF
FFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2371:21097:7091_2:N:0:TCTGCAAG+GCTGCACT
AGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAA
TCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCG

+

FF:FF
FFFFF,FFF:FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1457:15845:29027_1:N:0:TCTGCAAG+GCTGCACT
AAGACGGCATACGAGATCTTGAGAGTGAAGGAGTTGAGACGTGTGCTCTCCGATCTCTCAGCAA
GGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAAT
CGC

+

FFF:FFFFFFFF:,FF:FFFFF
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1314:6207:14904_2:N:0:TCTGCAAG+GCTGCACT
GTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAAGGTGAGGAGACC
ATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAG

+

FF:FFFFF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2345:6017:29293_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAAC
TAATATGTTATGTTCTCTGATCATTTTGACAATCTCTTATAATAATAATAATAATAATATTACT
AAT

+

FF:FFFF
FFFF:FFFFFFFF:FFFF:FFFFFFFF:FF
:FF

@A00721:190:HGJW7DSXY:4:1175:32805:31062_1:N:0:TCTGCAAG+GCTGCACT
CTCCAGTCAACACTAGTTCGAGTGTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTT
TTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTACCCAAAATGAAGGACACTTC
GAA

+

FFFFF:FFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
F:F,FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2137:32398:4492_1:N:0:TCTGCAAG+GCTGCACT
TCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAGATATCGTGATATCAGTA
CGTCCAGATCCTCTGCTTTTACCGATAACGATAAATTCGTCATCAAATATAAAGAAAAGGACTATGAA
ATA

+

FFFFFFFFFFFF,FFFFFFFFFFFFFF:FF,FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1512:16875:5415_1:N:0:TCTGCAAG+GCTGCACT
GTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACC
ACCAAATCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTAC
CAG

+
FF
FFFFFFFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:1177:29306:5462_1:N:0:TCTGCAAG+GCTGCACT
CCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCTTTAAAGACTGCAGAGGCTGTCAAACA
AGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGG
GTG
+
FF::F:F::,F:,FF:, :FF,FFF:F,FFF:F:F,FFF:FFFFFF:F,FFFF,F:,FFFFFFFFFFFF,
F:FFF,FF:FFFF:FF,FFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2328:13702:21120_1:N:0:TCTGCAAG+GCTGCACT
TACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATGTTAATAG
ATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCGCTCTGAA
GAG
+
FFFFFFFFFFF:FFFFFF:FF:FFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1303:7247:15577_1:N:0:TCTGCAAG+GCTGCACT
CGATAGGAGTTTTATAGTTGAAGATGTGGATTTAGACGATAATCCTTTAAGGACTATGTTGACTGACG
AAGATTTTCCACAGATTTGTCTACGTTGCAGTTCGCCACTCCAAACACTATATACATTATAAAATAT
A
+
F,FFFFFFFFF,FFFFFFF,FF:,F:F:, ,FFFF,FF:,FFFF:,FFFFFF, :FFFF,FF,F,F:FFF
FFFFFFFF::, : ,FFF:FFFFFFFFF,FF,FFF,FF:F:FFF:FFFFFFFFF,FFFFFFFFF,F::FFFF
F
@A00721:190:HGJW7DSXY:4:1343:11360:1031_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATTCCTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACT
CTA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2424:29821:22200_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAG
ATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAG
+
FF:FFF,FFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1345:18738:31125_1:N:0:TCTGCAAG+GCTGCACT
ACACCCATCTCAACGCGTAAAAAGCTATTTTTCCGTCCTGACCTTAATACACTAATAGAACATCCGCA
AACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTA
CTC
+
F,FFFFF::,F,F,,,F,FF,,::,FFF:F::,F,F,F::,F:::F:,FF,,,F,,,F:::F
,,FFFFFFFF:F:FFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2210:3170:17503_2:N:0:TCTGCAAG+GCTGCACT
ATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATT
ATCTCTTATGTACTTATTGTAACGATCATTCTTTGAGTTTTGTCATT
+

+

@A00721:190:HGJW7DSXY:4:2103:7527:35571_2:N:0:TCTGCAAG+GCTGCACT
TCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCCAGAG
GAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGT

+

@A00721:190:HGJW7DSXY:4:1673:5701:14873_1:N:0:TCTGCAAG+GCTGCACT
AACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATAC
AGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACG
AAG

+

@A00721:190:HGJW7DSXY:4:2204:32768:15843_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCAT

+

@A00721:190:HGJW7DSXY:4:2603:23601:31469_2:N:0:TCTGCAAG+GCTGCACT
CCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGG
CCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCT

+

@A00721:190:HGJW7DSXY:4:1426:8522:10520_1:N:0:TCTGCAAG+GCTGCACT
CCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAA
TTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGCTACTGGCGACAACTGAGAGCAGTCGCTGGGG
AAA

+

@A00721:190:HGJW7DSXY:4:2277:32479:12649_1:N:0:TCTGCAAG+GCTGCACT
CTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAACCTA
TGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGC
ATG

+

@A00721:190:HGJW7DSXY:4:2642:10158:32675_2:N:0:TCTGCAAG+GCTGCACT
CGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGA
CTGATGAGGTTAAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGT

+

@A00721:190:HGJW7DSXY:4:1428:19687:29857_1:N:0:TCTGCAAG+GCTGCACT
CAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTAGACGTTGTACAC

FF
FFF

@A00721:190:HGJW7DSXY:4:1268:24840:13698_2:N:0:TCTGCAAG+GCTGCACT
TGATTGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCT
GTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAG

+
FF:
FF

@A00721:190:HGJW7DSXY:4:2631:8359:34538_1:N:0:TCTGCAAG+GCTGCACT
CTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTTCGTCTTAGTTT
GTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGT
CAT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1304:16188:18223_2:N:0:TCTGCAAG+GCTGCACT
AAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGA
ACTCTTGGGGACTAGATTGAGCATTAATGAGTTCCGAATAACTCGTAA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1507:14163:25645_2:N:0:TCTGCAAG+GCTGCACT
TATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTT
CGTTCTCAATAAAAATTTTCTCAAGAGATTATGGTTGATAAAGTTT

+
FF
FF

@A00721:190:HGJW7DSXY:4:2508:23204:18349_1:N:0:TCTGCAAG+GCTGCACT
TACGTCATGGGGATCACTTCTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAA
CAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTCATATAGATACGAGATACC
TAG

+
FFFFFFFFFFFF:FF,FFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2259:10682:22122_2:N:0:TCTGCAAG+GCTGCACT
AGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACG
TTAGTACCGGAGGTGATCTCTGCTTCTGCGTTACTGAGAGAAAAGA

+
FF:F,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1607:11360:9549_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTtaggTTtagTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAA
AAT

+
FFFF:FFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1413:21323:20666_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
AGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAAC

+

FFFFFFFFFFFFFFFF:FF:FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1557:6894:7827_1:N:0:TCTGCAAG+GCTGCACT
TCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGG
TTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
GAA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2615:26241:5290_2:N:0:TCTGCAAG+GCTGCACT
CGAGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTT
TTCCTACAGAGTGCAGTCGTTTCAACACTTATCACCCTTTTGAAGG
+
FF
FFFFFF:FFFFFFFFFFFFFF,FF,F,,FFF,FFFF,FFF,:FF,F
@A00721:190:HGJW7DSXY:4:2427:4598:11240_2:N:0:TCTGCAAG+GCTGCACT
GGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGACATTGTGG
TTCAATGATCAGGATTCTTCTTTGGTCTTACGTCTTAAGTAATTTG
+
FF
:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2136:17598:12023_2:N:0:TCTGCAAG+GCTGCACT
ACGATTCTTAAAAGAAGTTTATTA AAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGC
AATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGT
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF
FF:FFFF
@A00721:190:HGJW7DSXY:4:1358:24099:2331_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATC
CTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2475:5945:36714_1:N:0:TCTGCAAG+GCTGCACT
CTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAG
GGAGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATG
GAC
+
:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2401:20980:25050_2:N:0:TCTGCAAG+GCTGCACT
TCATAGGTATGTGTACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTC
GTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTTCAGGAAGATC
+
FF
FF:
@A00721:190:HGJW7DSXY:4:1501:1380:10363_1:N:0:TCTGCAAG+GCTGCACT
TTAGATAAATTCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGGTGATCTGAA
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGGACTAATGTCAGCT
TCA
+
FFFFFFFFFFFFFF,FFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF


```
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFFF:FFF
FFFF:FFF:,FFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF,::FFFFFFFF:FFFFFFFFFFFFFFF
FF
```

[illegible][illegible][illegible]

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF;FFFFFFFFFFFFFFFFFFFFFF
```

```

FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFF:F:FFFFFFFFFFFFFF,FFFF
FFFF,FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

```

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
F:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

[illegible]

@A00721:190:HGJW7DSXY:4:1534:17300:2394_2:N:0:TCTGCAAG+GCTGCACT
ACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGA
TCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATT

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1508:31295:4272_2:N:0:TCTGCAAG+GCTGCACT
CTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGA
TCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCT

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1646:24189:18584_1:N:0:TCTGCAAG+GCTGCACT
GTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGA
TCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCAT
CAG

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FF:FFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2245:25373:3035_1:N:0:TCTGCAAG+GCTGCACT
TCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTACAAACGGAAAGACATATCGCA
CCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGATCAGTCTAAGTTGGA
TAA

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2116:16450:1673_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGT
AAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATG

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2645:1063:23281_1:N:0:TCTGCAAG+GCTGCACT
AGCTCATGGTGAAAAGGAAGCTAAGGTAAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCA
CAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGACCTATCTTTAAGGTTCTTGTGAG
GAG

+

FFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1618:24713:7999_1:N:0:TCTGCAAG+GCTGCACT
TCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCTCA
AGATTTCTTTGTAAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTG
AAC

+

FFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2220:29604:13307_2:N:0:TCTGCAAG+GCTGCACT
ACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAAC
ACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTAT

+

[illegible]

@A00721:190:HGJW7DSXY:4:2111:18231:27586_1:N:0:TCTGCAAG+GCTGCACT
TCTATTTTAAGTTTTGTCTTCCTTGTCTTATTCTATTAATCACTCATTTTGTAGGATTATTAA
AAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAG
GGG

+

FF:FFFFF:F:FFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2344:20220:26584_1:N:0:TCTGCAAG+GCTGCACT
CTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATG
ATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGAT
GCT

+

FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2321:25870:25786_1:N:0:TCTGCAAG+GCTGCACT
GAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGTTAATTCTAAAACATTACCCGAAAGA
CGTGCTAAATTAAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTCC
TAC

+

FF:FF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1127:13358:2581_2:N:0:TCTGCAAG+GCTGCACT
AATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTT
CAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTAC

+

FF:FFFFFFFFFFFFFFF,FFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:1367:14959:15342_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTTCCGATCTGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTC
TCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGT
GGT

+

FF:FFFFFFFFFFFFFFF:F
FF:FFFFFFFFFFFFFFF:FFF,FF,FFF,FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1209:10818:17534_2:N:0:TCTGCAAG+GCTGCACT
CTTCTATCGTCTTACGTTACGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGA
GGTCGTGACGTTGATGAAGCTATAAGAGCGTTCCTATTACGGCGCACT

+

FFFFF:FFFFFFFFFFFFFFF,FFFFFFFFFFF,F,FF:FF:FFFF:FFF,FF,FFF,FFFF:FF
FFFFFFFF:F:FFFFFFFF:FF:FFF,FFFFFFFFFFF,,FFFFF

@A00721:190:HGJW7DSXY:4:1109:30138:9815_1:N:0:TCTGCAAG+GCTGCACT
CTTTCAGTTTCACAACTGAAGGAGGAGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATAA
TATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTAA
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1326:25427:20635_2:N:0:TCTGCAAG+GCTGCACT
AAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGC

TATTACTCTTGCTGAAACAGCTATTAAGCTGTTGAGCGGGTAATTAC

+

FFFF:FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2274:19081:6104_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTAT

+

F:FFFFFFFF:FF,FFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2239:23746:21198_1:N:0:TCTGCAAG+GCTGCACT
TTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTCACTCTGGCCTTGTA
TGAGGGTGTCTTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTT
TGG

+

FFFF:FFFF:,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2262:19777:36338_1:N:0:TCTGCAAG+GCTGCACT
AAGTAAAGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCACTAAGCATACTACTTTTGCT
TTGATTACTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGA
TTT

+

FFFFFFFFFFFFFFFF:FF
FFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2107:10384:8609_2:N:0:TCTGCAAG+GCTGCACT
CCAAAGAGAATATCTAAAATATTTACAAAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGT
TGCTTGTGCTTCTCCTTTAATGGCACTACCTCGGTACAATCTTACT

+

FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2305:8006:4679_2:N:0:TCTGCAAG+GCTGCACT
GCGACCTGTTCCGGAGTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGAT
TTCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGAC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF, :FFFF, FF, FFFFF:FFFFFFFFFFFFFFFFFFFF:
FFFF:FF

@A00721:190:HGJW7DSXY:4:1323:7898:20525_1:N:0:TCTGCAAG+GCTGCACT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTGAAAGTTTG
AGAACTTAGTTTACGAACCTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTT
GAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF, FFFFF, :FFFFFFFF:FFFFFFFF:FFF:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2177:16152:19006_2:N:0:TCTGCAAG+GCTGCACT
AAAATTTCTTCTTGATTATAATAAAGATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTT
CTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGG

+

FF:FF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1215:11388:28354_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGAATACTGTCTTCCAAGCTTACCTTTATCTTCAATGAAATTGGACTCTTCGAT

AGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC

+

FFFFFFFFFFFFFFFFFFFFFFFF::F:FF:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1152:24722:13651_1:N:0:TCTGCAAG+GCTGCACT
TTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTTCGTTTTTAGGTGGTCTTTATTCTATTATT
GATTTTATGAGATTGATACGTAAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGT
AAC

+

:FF::FFF:F:,FFFF,F,,FFFFFFF,:,F:,FF:,,,FFF::F::FFFF:FF:,FFFFF,:,FFFF:
FF:FFFFFF:FFFF:F:F,FFFFFFF,FF,FF:FFFFFF,F,FF,FFFF:,,:FFFF,F,FFF:FF:
FFF

@A00721:190:HGJW7DSXY:4:2413:7500:35368_2:N:0:TCTGCAAG+GCTGCACT
AGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAA
TCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2274:5195:10708_1:N:0:TCTGCAAG+GCTGCACT
AAGACGGCATACGAGATCTTGACAGAGTACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTCAGCAAA
GGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAAT
CGC

+

:FF:FFFFFFFF:,F:FF,FF:FFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1648:19895:4288_2:N:0:TCTGCAAG+GCTGCACT
GTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACC
ATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2413:4065:32550_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAAC
TAATAATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATAATAATATTACT
AAT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1367:25979:31516_1:N:0:TCTGCAAG+GCTGCACT
CTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTT
TTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTACCCAAAATGAAGGACACTTC
GAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
F:F

@A00721:190:HGJW7DSXY:4:2330:13150:7889_1:N:0:TCTGCAAG+GCTGCACT
TCAAGACGACGACGAAGCTTATACTACTTTAATTTTGGTTATTATGTGGAGATATCGTGATATCAGTA
CGTCCAGATCCTCTGCTTTTACCGATAACGATAAATTCGTCATCAAATATAAAGAAAAGGACTATGAA
ATA

+
FF,FFF:F,F,FFF,FFFF,FF,FFFFFFFFFFFF,FFFFFFFFFFFF:FFFF:FFFF,F:F,FF
,FF:, :FFFFFFFF:FFFFFFFF:F:FFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
,F:
@A00721:190:HGJW7DSXY:4:2430:32940:16235_1:N:0:TCTGCAAG+GCTGCACT
GTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATNTACC
ACCAAATTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTAC
CAG
+
FFFFFFFF:FFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF#FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1368:29134:25551_1:N:0:TCTGCAAG+GCTGCACT
CCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCTTTAAAGACTGCAGAGGCTGTCAAACA
AGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGG
GTG
+
FF:FFFFFFFF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2626:4101:19460_1:N:0:TCTGCAAG+GCTGCACT
TACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGAGTATATTGTATGTTAATAG
ATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTGAA
GAG
+
:FFFFFFFF, :FFFF:FF
FF:F:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2305:9344:1423_1:N:0:TCTGCAAG+GCTGCACT
TAGTAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTTAGGACTATGTTGACTGACGAAG
ATTTTCCAACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATA
+
F,F,F:FFFF:F,FFF,FF:,FFFF,,FFFF, :FFFFF,,FFF,:F,,,FF:FFF,:FFFF:FFFF
FFFF,FFF:FFFFFFFF,FFF,FFFF,FFFFFFFF,FF:FF:FFF:FFF:, :FF:F:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1345:11912:36620_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTTACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACT
CTA
+
FFFFFFFFFFFFFF:,FF
FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFF:FF:FFFF:FFFFFFFF
,FF
@A00721:190:HGJW7DSXY:4:2463:15510:6339_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGG
ATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAG
+
FF,FFFF,FFFF
FF
@A00721:190:HGJW7DSXY:4:1457:32027:3286_1:N:0:TCTGCAAG+GCTGCACT
ACACCCATCACAACGCGTATAAAGCGAGTTTTCCGTCTGAACGTAATACACGAAGAGATCATCCGCA
AACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTA
CTC
+
F:FFF,,,,,:F:F,,,,F,FF,,:,,,FFFF:F,F,F,F,:,,FF,F,,F,F,,F,F,,:,,FFF,::

@A00721:190:HGJW7DSXY:4:2319:8097:9721_2:N:0:TCTGCAAG+GCTGCACT
ATAACCTTCTTATACTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATT
ATCTCTTATGTACTTATTGTAACGATCATTCTTCGAGTTTTGTCATT

@A00721:190:HGJW7DSXY:4:2601:19461:23735_2:N:0:TCTGCAAG+GCTGCACT
ATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATC
ATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTC

@A00721:190:HGJW7DSXY:4:1165:26332:6637_1:N:0:TCTGCAAG+GCTGCACT
TATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAGTTCAATTCC
TTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTTCGACAAATTTTAGAAGTTTA
TTT

@A00721:190:HGJW7DSXY:4:1237:18448:23109_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTT
TTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAA

@A00721:190:HGJW7DSXY:4:1563:22218:13416_2:N:0:TCTGCAAG+GCTGCACT
TATGATATTTATTTACTTATACTTTAAATAGCACCGATTATACTTGACTGTTGATAATATTACAAT
AGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAG

@A00721:190:HGJW7DSXY:4:1553:1723:30091_1:N:0:TCTGCAAG+GCTGCACT
AGAAGTGAAGAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTTAAAG
AAATAAAAAATACTTCAAGTACCTGAAGTTTACATTTTTTAATGGTATGGTATAATGTGTCTTACAAATA
GAA

@A00721:190:HGJW7DSXY:4:1617:8856:9909_2:N:0:TCTGCAAG+GCTGCACT
TAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCC
TAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAA

@A00721:190:HGJW7DSXY:4:1150:9064:28056_1:N:0:TCTGCAAG+GCTGCACT
GGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGGAAATTGTATAAGAGTTAA
TTGCTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC
TGC

+
FFFFFFFFFFFFFFFF,F,FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1662:19723:25316_2:N:0:TCTGCAAG+GCTGCACT
CCTACCATGACCAATCATCGCTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCG
GCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAA
+
FF
FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2133:32560:11788_2:N:0:TCTGCAAG+GCTGCACT
TCTGCACAGAAGAAGGCTGAAGGTCGTTACCGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAG
GAAAGCAGCGACCAACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2107:31412:20290_1:N:0:TCTGCAAG+GCTGCACT
AACTGAGGCAGTACCTCAGTCAAAAGTCACATTACCACTCCCATACCAATCAATGATGTGACTATAC
AGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGC
AAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2228:24587:35587_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2634:29342:12477_2:N:0:TCTGCAAG+GCTGCACT
CCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGAATAAGAAATCTGCACGGGCCAAAGAGG
CCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCT
+
FF
FF,FFF:
@A00721:190:HGJW7DSXY:4:1432:27914:9189_1:N:0:TCTGCAAG+GCTGCACT
CCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAA
TTCGTCAGTACGAGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGG
AAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2551:3694:6950_1:N:0:TCTGCAAG+GCTGCACT
CTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAC
TGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGC
ATG
+
FF
FF:FF
FFF
@A00721:190:HGJW7DSXY:4:1261:4996:23453_2:N:0:TCTGCAAG+GCTGCACT
GACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAAATCGGGCTTTCTGACTG

$+$

@A00721:190:HGJW7DSXY:4:1601:2871:3552_1:N:0:TCTGCAAG+GCTGCACT
CAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAAATCCCACATATGGTAGACGTTGTACAC
TTTTCTTGAAAATTTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAG
GGT

+

@A00721:190:HGJW7DSXY:4:2456:14009:1454_1:N:0:TCTGCAAG+GCTGCACT
TCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCT
CCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAACGTGCATTTAGAGAGGGGAGCTCTGAAA
AGG

+

@A00721:190:HGJW7DSXY:4:2144:25554:9173_2:N:0:TCTGCAAG+GCTGCACT
AGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAA
GGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAG

+

@A00721:190:HGJW7DSXY:4:1578:3929:14591_1:N:0:TCTGCAAG+GCTGCACT
CCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGC
CAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAA
GAT

+

@A00721:190:HGJW7DSXY:4:2363:11659:13416_2:N:0:TCTGCAAG+GCTGCACT
AGGTCCTTTT GAGTATCGACAGATCTTTCGATCTTGAGGACGTGCATTTAACGTGGCAGAATTCGGTA
ACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACT

+

@A00721:190:HGJW7DSXY:4:1126:4381:2096_2:N:0:TCTGCAAG+GCTGCACT
TGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAAT
ATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTT

+

@A00721:190:HGJW7DSXY:4:2535:21685:13275_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGC
GGCTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC
GTC

+

[illegible]

$+$

@A00721:190:HGJW7DSXY:4:2365:6578:10316_2:N:0:TCTGCAAG+GCTGCACT
TGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCT
GTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAG

 $+$

@A00721:190:HGJW7DSXY:4:1335:9417:18145_1:N:0:TCTGCAAG+GCTGCACT
CTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGT
CCCGCGGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGG

+

@A00721:190:HGJW7DSXY:4:1307:22417:18114_2:N:0:TCTGCAAG+GCTGCACT
AAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTCTTAAGGGCGGACAATTGTTCCATTGTGA
ACTCTTGGGGACTAGATTGAGCATTAAATGAGTTCCGAATAACTCGTAA

+

@A00721:190:HGJW7DSXY:4:1509:1588:24815_2:N:0:TCTGCAAG+GCTGCACT
TATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTT
CGTTCTCAATAAAAAATTTTCTCAAGAGATTAGGGGTGATAAAGTTT

+

@A00721:190:HGJW7DSXY:4:1562:15411:35790_2:N:0:TCTGCAAG+GCTGCACT
ACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAAC
AACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTT

+

@A00721:190:HGJW7DSXY:4:2377:31448:11741_1:N:0:TCTGCAAG+GCTGCACT
GAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACAC
GTTATGCTCGAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG
ATT

+

@A00721:190:HGJW7DSXY:4:1607:11514:8531_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTAGTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAA
AAT

+

[illegible]

$+$ $+$ $+$ $+$ $+$ $+$

+

+

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:F:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1501:1425:10441_1:N:0:TCTGCAAG+GCTGCACT
TTAGATAAATTCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGGTGATCTGAA
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1647:12500:29152_1:N:0:TCTGCAAG+GCTGCACT
CCAAATTTAGCACTTTTTGAATATGACAGAAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTG
TCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1520:17671:25770_1:N:0:TCTGCAAG+GCTGCACT
ACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGA
TGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTT
TCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1432:23610:22686_1:N:0:TCTGCAAG+GCTGCACT
TAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCT
TAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAG
AAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1421:32054:2644_1:N:0:TCTGCAAG+GCTGCACT
TAGGTCTACTAGTACTTAAGGGTTTATGTTTCGTTTTAGCTGGATGGATCTTTTGATGGTATGTTTC
ACATTGCGTGATCACTTCCCGTGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGT
CGC

+

FFF,,,,:,,F,FF:FFFFFFFF:FFFF,FFFF,,FFFF:F,FFFFFF:FF:FFFFFFFFFFFFFF,F:,F
FFFFFF::FFFF:FF,,:FFF:,F:FFF,F:FFFF,:FF,FF,FF::FFF:,:::FFFFFFFFF::F
:F:

@A00721:190:HGJW7DSXY:4:2432:11225:35430_2:N:0:TCTGCAAG+GCTGCACT
GGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTCACAAGGATTAC
TAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1250:17400:1877_2:N:0:TCTGCAAG+GCTGCACT
TTGGTCGAAAAATATCGCCGGGAAGCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGA
TCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1508:25681:1783_2:N:0:TCTGCAAG+GCTGCACT
AAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGTGCCCTGATGAGGACGTTGAAAG

GGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAA

+

FFFFFFFFFFFFFF:FF
FFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1558:26313:14528_1:N:0:TCTGCAAG+GCTGCACT
GGTTGAAGAGAAAAGCTGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCG
GCGATAACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCGAAGAGAAAGTT
TCT

+

FFFFFFFFFFFFFF:FF
FFFF:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2448:23547:28494_1:N:0:TCTGCAAG+GCTGCACT
TCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGCTATAATACCGCCTCCAGATTACTCTAACT
GAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGAATGTCCTAC
GTA

+

FFFFF:FF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2164:7491:25207_1:N:0:TCTGCAAG+GCTGCACT
TTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTGT
GACTACGATCTCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCAC
TGA

+

FF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1344:5475:16016_2:N:0:TCTGCAAG+GCTGCACT
ATTGTCAGTGAATCGTAATTCGCGAGAAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCG
CGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG

+

FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1470:27263:3552_2:N:0:TCTGCAAG+GCTGCACT
GGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTAC
TTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGAT

+

FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1313:16206:2253_2:N:0:TCTGCAAG+GCTGCACT
TATTGATCTCCAAGTCGCAAAGTCAACATCAACGACATCATTCTTGATGAGTGTGTTCTTATC
GAAGTCTCAGTTATCGCTGCCCCGCCGACGTTTGTGCGGAACTCTCAG

+

FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2545:16080:28150_1:N:0:TCTGCAAG+GCTGCACT
AATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACT
TCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCAAGGTGAAAAGTTTGAATTAACAAAGTC
CTT

+

FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1562:13937:30984_2:N:0:TCTGCAAG+GCTGCACT
ACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGA
TCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATT

+

FFFFFFFFFFFFFFFFFFFFFFFFF:F,FFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2206:14055:10050_2:N:0:TCTGCAAG+GCTGCACT
CTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGA
TCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCT

+

FFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2229:15130:6997_1:N:0:TCTGCAAG+GCTGCACT
GTCACTCGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGA
TCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCAT
CAG

+

FFFFFFFFFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2267:6949:20447_1:N:0:TCTGCAAG+GCTGCACT
TCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCAACAGGAAAGACATATCGCA
CCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGATCAGTCTAAGTTGGA
TAA

+

FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2568:4318:22498_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGT
AAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATG

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2672:11496:6370_1:N:0:TCTGCAAG+GCTGCACT
AGCTCATGGTGAAAAGGAAGCTAAGGTAAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCGCA
CAGAATATCGTTTATCACGCAAATTTATTAATGCAATTTTCGACCTATCTTTAAGGTTCTTGTGAG
GAG

+

FFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2212:17436:7044_1:N:0:TCTGCAAG+GCTGCACT
TCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCTCA
AGATTTCTTTGTAAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTG
AAC

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2220:29948:16783_2:N:0:TCTGCAAG+GCTGCACT
ACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGCCAAC
ACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTAT

+

FF
FF
@A00721:190:HGJW7DSXY:4:2634:28158:22263_1:N:0:TCTGCAAG+GCTGCACT
TTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATT
TTGGACAATGGTTTCGAAGCGAAATTTTTGAGGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCT
TTT
+
FFFFFF:FFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1378:26910:1063_1:N:0:TCTGCAAG+GCTGCACT
ATGTTACTCTTGTAGGACTTTGGGAGAGATTCTGTTAGTTTTAAAGACTATACTAAATATCTCCACTAC
GAGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTA
TTC
+
FFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1462:26042:11992_1:N:0:TCTGCAAG+GCTGCACT
GCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCT
TGAAGCATCCCGACCTTTCCTTGTGAAAATTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATT
CTA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2337:26133:24580_1:N:0:TCTGCAAG+GCTGCACT
ACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGAC
CAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAGCTCCCTCCTCTCGCAAGTTTGA
TCT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1534:32081:23578_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTGTCTTCTTTGTT
TCCTTCTTTGCACTGATTTTTCCTCATCAGCTTGTGTTTTACCTAATC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFF:FF:FFFF:F,FFFF:FFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FF,FFFFFFFFFFFF,,FFFF:
@A00721:190:HGJW7DSXY:4:2331:7102:15796_2:N:0:TCTGCAAG+GCTGCACT
GATAACAACATATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGA
AGCACAACGTTTGACCGTGACGAACGTGTTGTTCTTGATCTACGTTA
+
FF:FFF:FFFF:FFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2571:26115:2816_1:N:0:TCTGCAAG+GCTGCACT
CACTTATTACGATATTTCTTTAGTCGATGGGTTTTGACGCTTTAAGCGTCTTCTGTTTCATCGCAAC
CAGATGATATCTTCTATTCTGAACCTATGTTTCGATCAGTGTTTCTTCTATCAGGAGGAAAACACTTGT
TCT
+
FFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFF:FFF:
FFF

@A00721:190:HGJW7DSXY:4:2250:23131:20666_1:N:0:TCTGCAAG+GCTGCACT
TCTATTTTAAGTTTTGTCTTCCTTGTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAA
AAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAG
GGG

+

FF,FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2502:26332:36918_1:N:0:TCTGCAAG+GCTGCACT
CTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATG
ATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGAT
GCT

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2423:25201:24502_1:N:0:TCTGCAAG+GCTGCACT
GAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGTTAATTCTAAAACATTACCCGAAAGA
CGTGCTAAATTAAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTCC
TAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1235:6460:27868_2:N:0:TCTGCAAG+GCTGCACT
AATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGGTGTTAGGGATTTTGAGAGAGTGAAAGGCTT
CAAGTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTAC

+

FF
FF:,FFFFFFFF,FFF:FFFFFFFFFFFFFFFF,FF,FF,FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFF
FF:,:FFFFFFFF,FF,FF,FFFFFF,:F

@A00721:190:HGJW7DSXY:4:2257:15257:21465_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTTCCGATCTGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTC
TCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGT
GGT

+

FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1250:24207:29136_2:N:0:TCTGCAAG+GCTGCACT
CTTCTATCGTCTTACGTTACGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGA
GGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACT

+

FF
FF:
:

@A00721:190:HGJW7DSXY:4:1176:18991:1783_1:N:0:TCTGCAAG+GCTGCACT
CTTTCAGTTTCACAACTGAAGGAGGAGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATAA
TATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTT
CTA

+

FF
FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2216:6424:23954_2:N:0:TCTGCAAG+GCTGCACT
AAAGATAGTGGCATTCAAGGCAAACTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGC

TATTACTCTTGCTGAAACAGCTATTAAGCTGTTGAGCGGGTAATTAC

+

FFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
F:FF:F:FFF

@A00721:190:HGJW7DSXY:4:2402:32570:15468_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGAAT
CAACAGTAACATTACTTCTGAATACAGGTCTCTATCAAGCGCGTATTAT

+

FFF:FFF:,FF,,F,FFF:FFFFF,:FFFFFFFFF:,FF,:FFF::FFFFFFFFF,F:F:FF,,F,FF
,:FF::FF,F,:F,FFF,,F,F,,FFF,F:FFFFF,,F,FF,FF:F,

@A00721:190:HGJW7DSXY:4:2274:19081:6104_1:N:0:TCTGCAAG+GCTGCACT
TTACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTCTACTCTGGCCTTGTA
TGAGGGTGTCTTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTT
TGG

+

F,FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1460:10022:34131_1:N:0:TCTGCAAG+GCTGCACT
CTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATC
GCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAA
ATA

+

FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1620:22815:15170_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCTCTCTTTAATGGCACTACCTCGGTACAATCTTACTTGAACGAAGGCGA
CCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG

+

FFFFFFFFF:FF,FFFFFFFFF:F:FFFFFFFFFFFF
FFFF,FFFFFFFFFFFFF:F:,,:FF:F:,F:FFFF,FFFF,FFFF

@A00721:190:HGJW7DSXY:4:2572:24858:36526_2:N:0:TCTGCAAG+GCTGCACT
TCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATC
TGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCCTCTCTTC

+

FF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1260:2410:8328_2:N:0:TCTGCAAG+GCTGCACT
TATTTGGATGATCTTGATAAAGAACTTCATGAATTTTACAGAGGATGAAAAATTTCTTCTTGATTT
TAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1313:31114:3396_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGTTAATACTTTCTTTCCAAGATTACCATTTATTTCAATTAAATTGGACTATTTCGAT
AGGGGACATTTTATCGTGGGCTTCCGTAAAGTAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC

+

FF,F,F,F,,:FF,F:FFF,F,F:,FF,,F,,,FFFF:,FFFF,FF,FFF,F:,F:F:F,,,FF::,,
FFF,,,,,FFFF:F,FFF,F,FF:FF,FFFF,,FF,FF,FFF:FFF::,F:FFFF::F,FFF,FFFF
F::

@A00721:190:HGJW7DSXY:4:1171:21721:9330_1:N:0:TCTGCAAG+GCTGCACT
TTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTCTTTTTAGGTGGTCTTTATTCTATTATT

GATTTTTATGAGATTGATACGTAAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGT
AAC

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2561:20464:25034_2:N:0:TCTGCAAG+GCTGCACT
AGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAA
TCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCG

+

FF
FFFFFFFFFFFFFFFF:F:FF

@A00721:190:HGJW7DSXY:4:2665:4282:30796_1:N:0:TCTGCAAG+GCTGCACT
AGACGGCATACGAGATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTCAGCAAAG
GGATGCATGGTGTATCTCCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTCGTCATAATC
GC

+

FFFFFFFF:FF:,FF
FF
FF

@A00721:190:HGJW7DSXY:4:1103:19226:7169_1:N:0:TCTGCAAG+GCTGCACT
GTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAAGGTGAGGAGACC
ATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTG
TAG

+

FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2473:15167:24533_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAATTATAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAAC
TAATAATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATAATAATAATATTACT
AAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1375:26386:27179_1:N:0:TCTGCAAG+GCTGCACT
CTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTT
TTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTC
GAA

+

FFFFFFFFFFFF:FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1634:13150:18787_1:N:0:TCTGCAAG+GCTGCACT
TGCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAGATATCGTGATATCAGTA
CGTCCAGATCCTCTGCTTTTACCGATAACGATAAATTCGTCATCAAATATAAAGAAAAGGACTATGAA
ATA

+

FFFFFFFFFFFF:FF:F,::FFFFFFFF:F,FF:FFFFF:FFFFFFFF:FFFF:F:FFFFFFFFFFFFFFFF
FFFF:FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2505:10185:11835_1:N:0:TCTGCAAG+GCTGCACT
GTCAATCCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACC

ACCAAATTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACAC
CAG

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1459:7591:14763_1:N:0:TCTGCAAG+GCTGCACT
CCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCTTTAAAGACTGCAGAGGCTGTCAAACA
AGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGG
GTG

+

FFFF,FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2245:11487:4288_2:N:0:TCTGCAAG+GCTGCACT
CTACGGAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGT
GAACGCGTTCTGTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCT

+

FF:FFFFFFF:FFFFFFF:F
FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF,FFFFFF:FFFF,FFFFFF

@A00721:190:HGJW7DSXY:4:1458:29161:3646_2:N:0:TCTGCAAG+GCTGCACT
AGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTT
TCCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATA

+

FF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF,F:FFFFFF

@A00721:190:HGJW7DSXY:4:1350:1777:5353_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGAACAACCTTTACTTAGAATGACT
CTA

+

FF:FFFFFFFFFFFFFFF
FF:FFFF,FFFFFFFFF:F:F
:FF

@A00721:190:HGJW7DSXY:4:1126:21368:27665_2:N:0:TCTGCAAG+GCTGCACT
ATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAG
TACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2267:26847:36088_1:N:0:TCTGCAAG+GCTGCACT
TGTTGAAGTGTGATTTGTGTTAATACGTGTTATTTTCATTTTTTAACCGATTTTATCATCCGAAAACG
ACTCGAAACCGAGAAGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATTAATCCTGCCTTTACTC

+

F,FF::,::,::,F,F,,F,,,,,F:,,,:::F,,F,F,F:,,,FF,,,,,F,F,F,,FF:F,F
F:FF:FFF:F,F,F,F,:FF:FFFF,FFF,,FFF,F:F,FFFF:FFFF,FFF:FFF,F:FFF,F:

@A00721:190:HGJW7DSXY:4:2547:4661:8375_2:N:0:TCTGCAAG+GCTGCACT
ATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATT
ATCTCTTATGTACTTATTGTAACGATCATTCTTTGAGTTTTGTGATT

+

FF:F
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF::

@A00721:190:HGJW7DSXY:4:2638:2654:15671_2:N:0:TCTGCAAG+GCTGCACT
ATGAGGAGGATTTATAATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATC

$+$

@A00721:190:HGJW7DSXY:4:2155:8513:28134_1:N:0:TCTGCAAG+GCTGCACT
AACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATAC
AGTTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGC
AAG

 $+$

@A00721:190:HGJW7DSXY:4:2257:17626:26976_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCAT

+

@A00721:190:HGJW7DSXY:4:1374:17987:1047_2:N:0:TCTGCAAG+GCTGCACT
AATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCG
CTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTA

+

@A00721:190:HGJW7DSXY:4:1445:31015:26459_1:N:0:TCTGCAAG+GCTGCACT
CCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAA
TTCGTCCTACTGAGGACGAAGGTGAGAGGACTTTTGCTACTGGCGACAACTGAGAGCAGTCGCTGGGG
AAA

+

@A00721:190:HGJW7DSXY:4:2263:29306:3458_1:N:0:TCTGCAAG+GCTGCACT
TTGATTGTGACGAGGCCGGTGACGTTTTTTGTCAAGGGCGTTTGGAGGATTTTATCCGCGCTTATCTAT
GGGGCGAAGATCCCCTATGGAGTCTTGATGGACTTAGGTTGGCATATTTATTCCGACGATAATAAGCA
TG

+

@A00721:190:HGJW7DSXY:4:2515:5367:1141_2:N:0:TCTGCAAG+GCTGCACT
GACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAAAGCGGGCTTTCTGACTG
ATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATA

+

@A00721:190:HGJW7DSXY:4:1624:27552:13479_1:N:0:TC T G C A A G + G C T G C A C T
C A A C C T C T C T T T A G A G A G C A T T A G A A G G A A G T T G G G C A A A T T C C C A C A T A T G G T A G A C G T T G T C A C A C
T T T T C T T G A A A T T T T T C C T T T C C T C C G T C A T T G G G G A T T T C G A T G T G A G A A G G T G G A A G G T G T C A A G
G G T

+

@A00721:190:HGJW7DSXY:4:2671:11496:25097_1:N:0:TCTGCAAG+GCTGCACT
TCTTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCT
CCGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAA
AGG

@A00721:190:HGJW7DSXY:4:2459:24713:18928_2:N:0:TCTGCAAG+GCTGCACT
AGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAA
GGCAAGTGAGAGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAG

@A00721:190:HGJW7DSXY:4:2141:19388:26741_1:N:0:TCTGCAAG+GCTGCACT
CCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGC
CAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAA
GAT

@A00721:190:HGJW7DSXY:4:2427:3513:16720_2:N:0:TCTGCAAG+GCTGCACT
AGGTCCTTTTGAGTATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCTGTA
ACTTACCATATTGTTCCCTCCGGGAAGTTGTGGGATTTAACTTTGACT

@A00721:190:HGJW7DSXY:4:1126:4634:2973_2:N:0:TCTGCAAG+GCTGCACT
TGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAAT
ATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTT

@A00721:190:HGJW7DSXY:4:1111:32045:22451_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGG
CTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC

@A00721:190:HGJW7DSXY:4:2403:15221:27038_2:N:0:TCTGCAAG+GCTGCACT
AAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAACT
CCTTGAATGGAGTACATATTTGCAACCTATTCTTGATGTGAAAGATG

@A00721:190:HGJW7DSXY:4:2365:7509:10770_2:N:0:TCTGCAAG+GCTGCACT
TGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCT
GTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAG

+

FF
FFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1472:12698:26428_1:N:0:TCTGCAAG+GCTGCACT
CTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGT
CCCCGCCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCA
TGG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1414:21784:15671_2:N:0:TCTGCAAG+GCTGCACT
AAAGATAAGATTTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGA
ACTCTTGGGACTAGATTGAGCATTAAATGAGTTCGAATAACTCGTAA
+
FF:F,FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF:FFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:2449:4399:14246_2:N:0:TCTGCAAG+GCTGCACT
TATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTT
CGTTCCTCAATAAAAATTTTTCTCAAGAGATTATGGAGATCGGAAGAG
+
FFF,FFFF:FFFF,F::FFFF:F::FFFFFFFF:FFFF:,FFF:FFF:FFFFFFFFFFFFFFFF
F:FF:FFFFFFFF:FFFF,FFF:FFFFFFFFFFFF,FF:F::F,FF:F:
@A00721:190:HGJW7DSXY:4:1675:8097:20337_2:N:0:TCTGCAAG+GCTGCACT
ACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAAC
AACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F:FF
@A00721:190:HGJW7DSXY:4:1206:6723:22435_1:N:0:TCTGCAAG+GCTGCACT
AGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACG
TTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGA
TTC
+
FFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1615:6298:21731_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTCTAGTTTGTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAA
AAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1550:19036:22185_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
AGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAAC
+
FF:FFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1650:7853:11522_1:N:0:TCTGCAAG+GCTGCACT
TCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGG
TTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTCAAGTTTTTAGATCTTCTTGATAATCTTAA
GAA

+
FFF,FFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1336:19316:5666_1:N:0:TCTGCAAG+GCTGCACT
TCTGAATTACTGTCTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTT
TTCCTACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTTGAAAGGAAAATAATTGGTGATGAAAA
TAC
+
FFF:FFF:FFFFFFF
FFF,FFF
FFF
@A00721:190:HGJW7DSXY:4:2660:26350:15436_2:N:0:TCTGCAAG+GCTGCACT
GGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGACATTGTGG
TTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTG
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:1110:21603:35618_1:N:0:TCTGCAAG+GCTGCACT
GATTCTTAAAAGAAGTTTATTAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAA
TAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAA
TCT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1517:25201:12633_1:N:0:TCTGCAAG+GCTGCACT
GGAGTGGCTAGGTTTTAAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTT
TCGACGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAA
AAT
+
FF:FFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF::FFFF,FFFFFFFFF:FFFFFFF
FFFF:FF,FF::FFFFFFFFFFFFF,:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFF:::
FFF
@A00721:190:HGJW7DSXY:4:2139:16052:28291_1:N:0:TCTGCAAG+GCTGCACT
TTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAACCTTCTTTTATCAT
TGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTAC
ACT
+
FFF:FFFFFFFFFFFFF:FFF
FFF:FFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1273:12120:29590_2:N:0:TCTGCAAG+GCTGCACT
AAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTGACGGACTTTAGCAAC
TTAGATAAATCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGA
+
FFF:F,FFFFFFF
:FFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1435:10276:35133_2:N:0:TCTGCAAG+GCTGCACT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA
CTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCA
+
FFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1252:14027:28416_1:N:0:TCTGCAAG+GCTGCACT
TTCTAACCAGGACTGATGGTGAGATTATTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTC
TTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGTGACCGCTCAATAACACTCTATT
GAA

+

FF,FFF,FFF:FFFFFFF:FFF,FFF,F:FFFFFFFFF:FFFFFFFFFFFFFFF:FFFF:FFFFFFFFF:
FFFF:F:FFFFF:FFFFF:FFFFFFFFFFFFFFF,FFFFFFFFFFF,,F,FFFFF:FFFFFFFFF,FF,FFFF
FFF

@A00721:190:HGJW7DSXY:4:1432:24388:24314_1:N:0:TCTGCAAG+GCTGCACT
TAATGATACTGACGAAGGTTCTATTACCACCCTTGTCAATTGATACAAACATTCTAGGTGATGCTTTCT
TAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAG
AAT

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1459:2908:21997_1:N:0:TCTGCAAG+GCTGCACT
TAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTC
ACATTGCGTGATCACTTCCCGTGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGT
CGC

+

FFFFFFFFFFFFFFFFFFFF:FFF
FFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2110:18475:11443_2:N:0:TCTGCAAG+GCTGCACT
TGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAA
GTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAG

+

FF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFF,FFFFFFFFF::FFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1618:21811:32033_2:N:0:TCTGCAAG+GCTGCACT
TTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGA
TCTCAGTTCTACCACAGAAACCGTCTCAGGAACCTGTCTCCACTGATTC

+

FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:FFFFF:F:FFFFFFFFF:FFFFFFFFFFFFFFF:F:

@A00721:190:HGJW7DSXY:4:1558:10456:30968_2:N:0:TCTGCAAG+GCTGCACT
AAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAG
GGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAA

+

FFFFFFFFFFFFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:1558:27941:15499_1:N:0:TCTGCAAG+GCTGCACT
GGTTGAAGAGAAAACCTGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCG
GCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT
TCT

+

FFFFFFFFFFFFFFF:FFF
FFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2549:23592:25254_1:N:0:TCTGCAAG+GCTGCACT
TCAGTTTTCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAAACT
GAATCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAACCTGTGTAATGTCCTAC
GTA

```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2513:6623:33223_1:N:0:TCTGCAAG+GCTGCACT
TTCATGAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTGTT
GACTACGATCTCTCTTGTAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCAC
TGA
+
FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1357:15863:1438_2:N:0:TCTGCAAG+GCTGCACT
ATTGTCACTGCTAATCGTAATTTCGCGAGAAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCG
CGGTATTTGTGAAATTAAGACAGACGTGAAAAGTTATGATGAGTGATCG
+
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F
FFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:2136:6307:30389_2:N:0:TCTGCAAG+GCTGCACT
GGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTAC
TTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FFF
@A00721:190:HGJW7DSXY:4:1459:23782:26741_2:N:0:TCTGCAAG+GCTGCACT
TATTGATCTCCAAGTCGAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATC
GAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGGAACTCTCAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2573:22571:17190_1:N:0:TCTGCAAG+GCTGCACT
AATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACT
TCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCAAGGTGAAAAGTTTGAAATTAACAAAGTC
CTT
+
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2402:25491:36432_2:N:0:TCTGCAAG+GCTGCACT
ACGACACGTTGAATCTTTACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGA
TCAATCACAGTAAGGAAGTGCACGTTTAGCACGGGAGGTTGCAGATT
+
FFFFF:FFFFFF:FFFFFFFFFFFF::,FFFFFF:,FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
FFFFFFFFFFFF,FFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2240:8088:13244_2:N:0:TCTGCAAG+GCTGCACT
CTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGA
TCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTT
+
FFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FF,FFFFF,:FFFF:,FFFF
FFF:FFFFFF:FFFF:FFFFFFFFF:FFF,FFFF,F:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2426:7355:30921_1:N:0:TCTGCAAG+GCTGCACT
GTCACGCGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGA
TCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCAT
CAG

```

[illegible][illegible][illegible]

```
FF,FF::F,FFF,FFFF::FFF:FFF:FFFFFF:FFFFFFFF:FFFFFF,FFFFFFFFFFFFFF:FFF
FFF,FFF:FFFFFFFFFFFF:FF,,FFFFFFFFF,,,FF:F:FF:FFFF
```

[illegible]

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

[illegible][illegible]

@A00721:190:HGJW7DSXY:4:1570:31602:8750_1:N:0:TCTGCAAG+GCTGCACT
GCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCT
TGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATT
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2428:4246:13009_1:N:0:TCTGCAAG+GCTGCACT
ACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGAC
CAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGA
TCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2133:29197:1611_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAAGACTCTCTTCTTCTTTGTT
TCCTTCTTTCGACTGATTTTTCCTCATCAGCTTGTGTTTACCTAATC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2446:19235:23531_2:N:0:TCTGCAAG+GCTGCACT
GATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGA
AGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1272:6578:19680_1:N:0:TCTGCAAG+GCTGCACT
TATTTTAAAGTTTGTCTTCTTGTGTTGTTCTATTCTAATCACTCATTTTAGTGAGATTATTA
ACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGG
GCA

+

FFFFFF:FF
FF
:FF

@A00721:190:HGJW7DSXY:4:2563:9200:30326_1:N:0:TCTGCAAG+GCTGCACT
CTTTGGTACCACCTTTTCTACTGTCTGTCTCGCTCTTCGAATGAAGTTTAAATGCTTAACAACAATG
ATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGAT
GCT

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2571:30219:31125_1:N:0:TCTGCAAG+GCTGCACT
GAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGA
CGTGCTAAATTAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTACTAAGAATTGGTCC
TAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1538:6650:27602_2:N:0:TCTGCAAG+GCTGCACT
AATCTTCATGAGATCGTTTCTTCTTTATCTCTTTGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTT

$+$

@A00721:190:HGJW7DSXY:4:2428:32226:9893_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTTCCGATCTGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTC
TCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGT
GGT

+

@A00721:190:HGJW7DSXY:4:1519:14136:24972_2:N:0:TCTGCAAG+GCTGCACT
CTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGA
GGTCGTGACGTTGATGAAGCTATAAGAGCGTTCCTTATTACGGCGCACT

+

@A00721:190:HGJW7DSXY:4:1408:17553:15107_1:N:0:TCTGCAAG+GCTGCACT
CTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAA
TATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTAA
CTA

+

@A00721:190:HGJW7DSXY:4:2224:30101:9220_2:N:0:TCTGCAAG+GCTGCACT
AAAGATAGTGGCATTCAAGGCAAACCTTACCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGC
TATTACTCTTGCTGAAACAGCTATTAAGCTGTTGAGCGGGTAATTAC

+

@A00721:190:HGJW7DSXY:4:2522:29342:11506_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGCTCTATCAAGCTCGTATTAT

+

@A00721:190:HGJW7DSXY:4:2402:32570:15468_1:N:0:TCTGCAAG+GCTGCACT
TTACCTTTGAAGGCTAACTCCAAGGTAATTATGAAGTCTGTGATTTATCTTTCCTCTGGCCTTGTT
TGAGGGTGTTTCTAATCGTAACATTTATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTT
TGG

+

@A00721:190:HGJW7DSXY:4:1558:10655:18662_1:N:0:TCTGCAAG+GCTGCACT
CTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATC
GCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAA
ATA

+

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:
F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF

```


FFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1220:1307:14027_2:N:0:TCTGCAAG+GCTGCACT
TAATATTCAACCTCAAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAACTAACTATGTT
ATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAA

+

FFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1211:24243:13886_1:N:0:TCTGCAAG+GCTGCACT
AATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGA
GAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCA
CCC

+

F:FF:FFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1269:29478:31814_1:N:0:TCTGCAAG+GCTGCACT
ACACTTCGAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAG
GACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTGGGTATTATGTGGAGATA
TCG

+

FFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1169:23538:10316_1:N:0:TCTGCAAG+GCTGCACT
CCGTTGAGAAAATTTCTTAGAGGATATTGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAA
TTCTTTTGATACAACCTTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACACGATT
GGT

+

FFFFFFFFF:FFF
FFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1346:32371:29904_2:N:0:TCTGCAAG+GCTGCACT
TGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCC
AGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGGA

+

FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFF:FFFFFFFF:FFFFFFFFFFFF:FFF
FFFFFF:F:FFFFFFFFF:FFFFF::FFFF:F:FFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2547:19226:31845_2:N:0:TCTGCAAG+GCTGCACT
CTACGGAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGT
GAACGCGTTCGTAGAACCAAGTACTTTCGCTCTGAAGAGTTTAGAGCT

+

FFF:F:FFFFFFFF:FFF,FFF:FF:FF:F
FFFFFFFFFFFFFFFFF:FF,FFFFFFFF:F,FFFFF,FFFF,F:,F

@A00721:190:HGJW7DSXY:4:1255:28103:13275_2:N:0:TCTGCAAG+GCTGCACT
AGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCACAG
ATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAA

+

FFF
FFFFFFFFF:FFFFFFFFF:FFF:FFFFFFFFF:F:F

@A00721:190:HGJW7DSXY:4:1433:23637:15969_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTTACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACT
CTA

FFF:FF
FF:F
FFF
@A00721:190:HGJW7DSXY:4:1273:9977:34303_2:N:0:TCTGCAAG+GCTGCACT
ATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTCTTAGCTAATAGATTAATAAAGGATGAG
TACGAAAACCAACTCTTCGTACGAGACCTGATGGTAGAATAGATTTA
+
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFF::FFF:FFFF,F:F
@A00721:190:HGJW7DSXY:4:1271:5484:35728_1:N:0:TCTGCAAG+GCTGCACT
CATCTCAACTAGGATAAAGCTAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCACACGA
CTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCAT
TTT
+
:,F:FF:,,F,F:FF,FF,,,FFFFFF:FFF:F,FF:F:FFFFFFFF,F,,,,F:,F,FFF,F,FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2547:5882:6856_2:N:0:TCTGCAAG+GCTGCACT
ATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATT
ATCTCTTATGTACTTATTGTAACGATCATTCTTTCGAGTTTTGTCATT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1340:16848:25786_2:N:0:TCTGCAAG+GCTGCACT
ATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGAC
TCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2372:4842:29763_1:N:0:TCTGCAAG+GCTGCACT
CACTACCACTGATCTGCCGACTTTAGTCAAGGACTTCAATTCCTTCGATGTTTATATTTTTCTATAA
GGGAAAATATCAATAATCAAATTTGACAAATTTAGAACTTTATTTCAGAACTCTCTCCGATCACCT
TGG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2308:9643:30843_2:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTC
+
FF
FFFFFFFFFFFFFFF:FFFF,FFFFFFFFFF:FFFFFFF:FFF:FFFF:FFF
@A00721:190:HGJW7DSXY:4:1603:22779:5619_2:N:0:TCTGCAAG+GCTGCACT
TTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTC
AGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTAC
+
FFFFF:FFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:F,FFFFFFFFFFFFF:FFFFF:FFF:FFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:,FFF:FFFFFFFFFFFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:2351:7193:14450_1:N:0:TCTGCAAG+GCTGCACT
AGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAG
AAATAAAAATACTTCAAGTACCTGAACTTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATA
GAA

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2122:18304:24580_2:N:0:TCTGCAAG+GCTGCACT
TAATGAGAGTGTATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCC
TAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAA
+
FF
FF
FF
@A00721:190:HGJW7DSXY:4:1445:23601:32972_1:N:0:TCTGCAAG+GCTGCACT
GGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGGAAATTGTATAAGAGTTAA
TTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC
TGC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2638:30770:29951_2:N:0:TCTGCAAG+GCTGCACT
CCTACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCCG
GCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAA
+
FFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFF:F:FFFFFFFFFFFF,FFFFFFFFFFFF
FF
FF
@A00721:190:HGJW7DSXY:4:2553:12825:34976_2:N:0:TCTGCAAG+GCTGCACT
TCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAG
GAAAGCAGCGACCAACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGT
+
FFFFFFFFFFFFFFF:FFFFFFFFF:FFF:FF:FFFF
FFFFFFFFF::FF:FFFF:F:FFFFFFFF:FFFFFFFFFFFF,FFFF,F:FF,
@A00721:190:HGJW7DSXY:4:2268:18304:30091_1:N:0:TCTGCAAG+GCTGCACT
AACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATAC
AGTTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGC
AAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2257:17644:28447_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1418:4209:4899_2:N:0:TCTGCAAG+GCTGCACT
AATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCG
CTGCTACGAAGTCGCTGAAGGCGGCTTGGGTACCTAAGGGTAGCTGTA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1452:3323:34554_1:N:0:TCTGCAAG+GCTGCACT
CCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAA
TTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAAAGTGAAGAGCAGTCGCTGGG
AAA

[illegible]

@A00721:190:HGJW7DSXY:4:1272:15745:2362_1:N:0:TCTGCAAG+GCTGCACT
AGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACG
TTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTGCTTCTGCGTTACTGAGAGAAAAGA
TTC

+

FF
FF:
FFF

@A00721:190:HGJW7DSXY:4:1628:19958:17957_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTGGTTTAGGTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAA
AAT

+

:FFFFFFFFFFFF,FF:
FF:
:FF

@A00721:190:HGJW7DSXY:4:1551:29957:7373_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
AGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAAC

+

FFFFFFFFF:F:FFF,FFFF:FFF:FF
FF:
:FF

@A00721:190:HGJW7DSXY:4:2226:27254:35697_1:N:0:TCTGCAAG+GCTGCACT
TCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGG
TTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
GAA

+

F:FFFFF:FFF::FFF:FFFFFFFFFFFF,FFFFFFFFF:,FFFFFFFF:FFFFFFFFFFFFFFFF,FFFF:
FF:
FFF

@A00721:190:HGJW7DSXY:4:1463:7609:17581_1:N:0:TCTGCAAG+GCTGCACT
TCTGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTT
TTCCTACAGAGTGCAGTCGTTTCAACACTTATCACCCTTTTGAAGGAAAATAATTGGTGATGAAAA
TAC

+

FFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1230:29695:4100_2:N:0:TCTGCAAG+GCTGCACT
TCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGACATTGTGGTTCA
ATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATG

+

FF
FF:
FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1272:26919:14575_1:N:0:TCTGCAAG+GCTGCACT
GATTCTTAAAAGAAGTTTATTAACCTTCAAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAA
TAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAA
TCT

+

FF
FF:
FFF

@A00721:190:HGJW7DSXY:4:1537:18991:10520_1:N:0:TCTGCAAG+GCTGCACT
GGAGTGGCTAGGTTTTAAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTT

TCGACGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAA
AAT

+

FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2353:18873:18145_1:N:0:TCTGCAAG+GCTGCACT
TTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCAT
TGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTAC
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1308:29225:4977_2:N:0:TCTGCAAG+GCTGCACT
AAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGACTTTAGCAAC
TTTAGATAAATCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGA

+

FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
FFF:F

@A00721:190:HGJW7DSXY:4:2208:22245:26271_2:N:0:TCTGCAAG+GCTGCACT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA
CTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1516:23240:23390_1:N:0:TCTGCAAG+GCTGCACT
TTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTC
TTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATT
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1471:2736:28307_1:N:0:TCTGCAAG+GCTGCACT
TAATGATACTGACGAAGGTTCTATTACCACCCTTGTCAATTGATACAAACATTCTAGGTGATGCTTTCT
TAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAG
AAT

+

FFFFFF:FF
FF
F,F

@A00721:190:HGJW7DSXY:4:2124:3260:2284_1:N:0:TCTGCAAG+GCTGCACT
TAGGTCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTC
ACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGT
CGC

+

F,F:FFFF:FFFF:FFF,FF,FFF,F:FF
F,F,FFFF:F:FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2110:18701:12273_2:N:0:TCTGCAAG+GCTGCACT
TGTGGGGATTAACTTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAA
GTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAG

+

FF:F
FFF
@A00721:190:HGJW7DSXY:4:2477:25165:23907_2:N:0:TCTGCAAG+GCTGCACT
TTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGA
TCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTC
+
FFF
FFFFFF:FFF
@A00721:190:HGJW7DSXY:4:2243:27091:13244_2:N:0:TCTGCAAG+GCTGCACT
AAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAG
GGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAA
+
F:FFF
FFFFF:FFF
@A00721:190:HGJW7DSXY:4:2112:28483:8672_1:N:0:TCTGCAAG+GCTGCACT
GGTTGAAGAGAAAAGCTGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCG
GCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT
TCT
+
:F:,FFF:FF:,F,F:,FF:FFFFFF::FFFFFFFF:FF,F,,FFF:FFF,F::FFF,FFFF,F:FF,
,FFFFFF:F,,FF:FFF:FFF,FFF:FFF:FF:FF,FFFF,:FFF:FFFFFFFF:F,FF,FFF
F,F
@A00721:190:HGJW7DSXY:4:1307:30020:22733_1:N:0:TCTGCAAG+GCTGCACT
GTTTTCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAAAGTAA
TCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGTCTTACGTA
CTG
+
F:FFFFFFFF:FFF:
:FF:FF:FFFFFFFF:FFFFFFFFFFFFFFFF:,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1133:10773:7059_2:N:0:TCTGCAAG+GCTGCACT
GAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTGTGACTA
CGATCTCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGG
+
FFFF:FFF,FFFFFF:FFFFFF
FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF:FF:FFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1237:18276:1078_2:N:0:TCTGCAAG+GCTGCACT
ACCACTGAAGTTATAGCGACTTTTGTGCAATTTTTCGAAAAGTCTTGAAGTACGTATTGTCACTGC
TAATCGTAATTCGCGAGAAGAGATAGTACTAAAGTTTTGGCACTTCT
+
FF,FFFFFFFFFFFFFFFF:F::FFFFFFFF:FFFFFFFFFFFFFFFF:F:FFFFFF:F:FFFF
FFFFFFFF:FFF,:FFFFFFFF:FF:FFFFFF,,F:, ,FF:::FF
@A00721:190:HGJW7DSXY:4:1112:26585:2566_1:N:0:TCTGCAAG+GCTGCACT
TTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCA
TGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGT
CAG
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2206:23493:7482_2:N:0:TCTGCAAG+GCTGCACT
CATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTAT
TGATCTCCAAGTCGAAACTACTTCAACATCAACGACATCATTCTTGA
+

FF
FF
@A00721:190:HGJW7DSXY:4:2158:23249:26005_1:N:0:TCTGCAAG+GCTGCACT
TTATCGAAGTCTCAGTTATCGCTGCCCCGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAA
AAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGAC
TTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2261:29631:32957_2:N:0:TCTGCAAG+GCTGCACT
CAAAGTCCTTGGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAGGTAATA
CTTACCAGCACGTTCTGGCTGGTTAGAATTAAACCTCAAGATGACCCTG
+
FFFFFFFFF:FFF
FF:FFFF
@A00721:190:HGJW7DSXY:4:1177:11116:18333_2:N:0:TCTGCAAG+GCTGCACT
ACGTTGAATCTTTACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAAT
CACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAACC
+
FF
FFFFFFFFFFFF:FF:FF:FFF
@A00721:190:HGJW7DSXY:4:2253:7184:8077_2:N:0:TCTGCAAG+GCTGCACT
CTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGA
TCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2520:15148:13385_1:N:0:TCTGCAAG+GCTGCACT
GTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGA
TCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCAT
CAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2357:23131:6511_1:N:0:TCTGCAAG+GCTGCACT
TCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTACAACGGAAAGACATATCGCA
CCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGATCAGTCTAAGTTGGA
TAA
+
FFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2672:11496:6370_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGT
AAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2324:4634:6010_1:N:0:TCTGCAAG+GCTGCACT
CTTGATGCTTCAGCCTTTTGAAGCATAACCCCGCACAGAATATCGTTTATCACGCAAAATTTATTAA
TGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTT
TTA

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2214:20148:4852_1:N:0:TCTGCAAG+GCTGCACT
TCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCTCA
AGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTG
AAC
+
FFFFFFFF,FF::F:FFFFFF,:FFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFFFFFFFFFFFF:FFFFFF:FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1143:17128:18975_1:N:0:TCTGCAAG+GCTGCACT
ACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAAC
ACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTC
GGC
+
FF
FFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1564:22625:22388_1:N:0:TCTGCAAG+GCTGCACT
GCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGA
CAATGGTTTCGAAGCGAAATTTTTGAGGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCTTTTTG
TCA
+
FFF::FFFFFFFF:FFFFFFFF:FFFFFF:F:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFF
FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1553:21450:14810_1:N:0:TCTGCAAG+GCTGCACT
ATGTTACTCTGTAGGACTTTGGGAGAGATTCTGTAGTTTTAAAGACTATACTAAATATCTCCACTAC
GAGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTA
TTC
+
FF
FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1641:12626:22639_1:N:0:TCTGCAAG+GCTGCACT
GCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCT
TGAAGCATCCCGACCTTCTTGTGAAAATTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATT
CTA
+
F:FFFFFFFFFFFFFFFF:FF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2458:25211:33943_1:N:0:TCTGCAAG+GCTGCACT
ACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGAC
CAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAGCTCCCTCCTCTCGCAAGTTTGA
TCT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2155:30391:12727_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTTTTCTTCTTTGTT

TCCTTCTTTGCACTGATTTTTCTCATCAGCTTGTGTTTTACCTAATC

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFF,FFFF:
F:FFFFFFFFFFFFFF,FFFFFFFFFFFFFF,FF:FF:

@A00721:190:HGJW7DSXY:4:2450:6198:19022_2:N:0:TCTGCAAG+GCTGCACT
GATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGA
AGCACACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTA

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:F,FFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1305:14127:27680_1:N:0:TCTGCAAG+GCTGCACT
TATTTTAAGTTTGTCTTCTTGTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTA
ACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGG
GCA

+

FFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2669:29116:22388_1:N:0:TCTGCAAG+GCTGCACT
CTTTGGTACCACCTTTCTACTGTCTGTCTCGCTCTTCGAATGAAGTTTAAATGCTTAACAACAATG
CTAGTGAATTTATACCTACAATCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGAT
GCT

+

:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1355:16306:32142_1:N:0:TCTGCAAG+GCTGCACT
AGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGAC
GTGCTAAATTAACCATTTGTACGATGTCGTCTGTCTCGCGCATCACTTTTCTACTAAGAATTGGTCCT
ACT

+

FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFF,FFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2241:6587:5259_2:N:0:TCTGCAAG+GCTGCACT
AATCTTCATGAGATCGTTTCTTCTTTATCTTTGGGTGTTAGGGATTTTGAGAGAGTGAAAGGCTT
CAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTAC

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,:FFFFFFFF,FFFFFFFF,FFFF
FFF:FFFFFFFFFFFFFF:FFFFFFFF:FF:F:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1145:14199:14497_2:N:0:TCTGCAAG+GCTGCACT
GAAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCT
TTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1420:4083:10786_1:N:0:TCTGCAAG+GCTGCACT
CTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATT
CTGGTGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGC
ACT

+

F:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
FFFFFFFF:FF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1435:20835:28244_1:N:0:TCTGCAAG+GCTGCACT
CTTTCAGTTTCACTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATAA
TATACGTCTTGAACCTACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTAA
CTA

+

FF:FF:,FFFFFFFFFFFFFFFF,FF:FFFF,FFFFFF
FFF:F:FFFFFFFFFFFF,F,FF:FFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2652:23836:13056_2:N:0:TCTGCAAG+GCTGCACT
AAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGC
TATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTAC

+

FF
FF:FFFF

@A00721:190:HGJW7DSXY:4:2527:12689:4241_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTAT

+

FFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2527:12689:4241_1:N:0:TCTGCAAG+GCTGCACT
TTACCGTTGAAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCCTCTGGCCTTGTA
TGAGGGTGTCTTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTT
TGG

+

FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1578:17815:3192_1:N:0:TCTGCAAG+GCTGCACT
CTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATC
GCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAA
ATA

+

FFFFFFFFF:FF:FFFFFFFFFFFF:FFFFF
:FF
FFF

@A00721:190:HGJW7DSXY:4:1639:20247:32643_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCTCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGA
CCTGTTCCGGAGTTTTTACGGGATCCGGACTGTTCTGTCTATATTAGG

+

FF,FFFFFF::FFF:F::FF:F,F::FFF:FFF,FFFFFFFF:FFFFF,F:F:F,FFFFFFFF,FFF
F:,FFFFFFF:FFF,FFFFFF:FFFFF,,FF:::,F:,FFF,FF:F

@A00721:190:HGJW7DSXY:4:1168:29704:19335_1:N:0:TCTGCAAG+GCTGCACT
CGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTTCGTCAATATGATTTGATCT
GGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCCTCTTCTACGAGTATTGCTATTTATAC
GGT

+

FFFFFFFFFFFFF:FF:FFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1424:4481:25911_2:N:0:TCTGCAAG+GCTGCACT
TATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATTT
TAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1542:12210:15217_1:N:0:TCTGCAAG+GCTGCACT
ACACTTCGAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAG
GACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAGATA
TCG

+

FFFF:FFF,
FF
FFF

@A00721:190:HGJW7DSXY:4:1255:23176:18646_1:N:0:TCTGCAAG+GCTGCACT
CCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAA
TTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATT
GGT

+

FF
:FF
FFF

@A00721:190:HGJW7DSXY:4:1405:30707:36417_2:N:0:TCTGCAAG+GCTGCACT
TGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCC
AGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGGA

+

FF
FFFFFFFFF,FFFFFFFFF:FF::FFFFFFFFF:, :F:FF:F:FFFF

@A00721:190:HGJW7DSXY:4:2554:2392:32315_2:N:0:TCTGCAAG+GCTGCACT
CTACGGAAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGT
GAACGCGTTCTGTAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCT

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFF:FFFFF:FFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF,FF,FFFF

@A00721:190:HGJW7DSXY:4:1401:19262:36198_2:N:0:TCTGCAAG+GCTGCACT
AGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCCACAG
ATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1574:24216:5165_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTTACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACT
CTA

+

FF
FFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:1412:3830:20306_2:N:0:TCTGCAAG+GCTGCACT
ATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAG
TACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFF,F,FFFFFFFFFFFFFFFFFFFF
FFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1354:24216:6386_1:N:0:TCTGCAAG+GCTGCACT
CATATCAACGAGTATAAAGCGTGTTCCTTCTGAAGTAAATACACGAAGATATCATCCGCAAACGA
CTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCAT
TTT

+

F:F,,,F,:,FF,,,FF,F,,,,FFF,F:,,,::F,F:::, :F:F,,,::,F,FF,:F,F,FF:,F:FFFF

@A00721:190:HGJW7DSXY:4:1257:13458:30185_1:N:0:TCTGCAAG+GCTGCACT
ATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATT
ATCTCTTATGTACTTATTGTAACGATCATTCTTTCGAGTTTGTCACTTCTTATTCTTTTATTCCTTTA
ACT

@A00721:190:HGJW7DSXY:4:1403:6244:16564_2:N:0:TCTGCAAG+GCTGCACT
ATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGAC
TCCGAAAATGTTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC

@A00721:190:HGJW7DSXY:4:2530:19162:29230_1:N:0:TCTGCAAG+GCTGCACT
CACTACCACTGATCTGCCGACTTTAGTCAAGGAAGTTCAATTCCTTCGATGTTTATATTTTTCTATAA
GGGAAATATCAATAATCAAATTTGACAAATTTAGAACTTTATTTCAGAACTCTCTCCGATCACCT
TGG

@A00721:190:HGJW7DSXY:4:2367:14461:15734_2:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTC

@A00721:190:HGJW7DSXY:4:2274:16568:22294_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTC
AGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTAC

@A00721:190:HGJW7DSXY:4:2522:6253:14606_1:N:0:TCTGCAAG+GCTGCACT
AGAAGTGAAGAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAG
AAATAAAAATACTTCAAGTACCTGAAGTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATA
GAA

@A00721:190:HGJW7DSXY:4:2169:14507:33004_2:N:0:TCTGCAAG+GCTGCACT
TAATGAGAGTGTATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCC
TAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAAATTTTAGAAA

@A00721:190:HGJW7DSXY:4:1539:25283:31125_1:N:0:TCTGCAAG+GCTGCACT
GGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGGAATTGTATAAGAGTTAA
TTGCTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC
TGC

[illegible]

@A00721:190:HGJW7DSXY:4:2234:17472:18067_2:N:0:TCTGCAAG+GCTGCACT
CTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGACTGAT
GAGGTTAAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATT

F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFF::FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1250:16947:4852_2:N:0:TCTGCAAG+GCTGCACT
GATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTTCATATCCAAAACCTCCTTGAATGGAGTACA
TATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTC
+
FFFFFFFFFFFFFFFFFFFFFFFF:,FF:FFFF:FFFFFFFF
FFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1211:28899:23265_1:N:0:TCTGCAAG+GCTGCACT
GATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTG
TTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCT
CTC
+
FFFFFFFFFFFF:FFFF:FFFF:FF,FF:FFFFFFFF
:FFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:::FFFF
FFF
@A00721:190:HGJW7DSXY:4:2166:2835:10473_2:N:0:TCTGCAAG+GCTGCACT
TATGTCATTTTCGTCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTC
GACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGAT
+
FF:FFFF
FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2210:23122:22185_2:N:0:TCTGCAAG+GCTGCACT
AAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGA
ACTCTTGGGACTAGATTGAGCATTAAATGAGTTCGAATAACTCGTAA
+
FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:1105:16848:32831_2:N:0:TCTGCAAG+GCTGCACT
AAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATA
AAAATTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGG
+
FFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFF:FF:FFF:FFFFFFFF:FFF:FFFF
@A00721:190:HGJW7DSXY:4:1131:4878:7748_2:N:0:TCTGCAAG+GCTGCACT
GTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAA
CAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTCA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1402:21079:20776_1:N:0:TCTGCAAG+GCTGCACT
AGATACCTAGAGAAGGTCGAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACG
TTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTGCTTCTGCGTTACTGAGAGAAAAGA
TTC
+
FFFFFFFF:FF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1664:27859:33927_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTAGTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAA
AAT

+
FFFFFFFFFFFFFF,F,:FFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF,FFFFFFFFFFFFFFF,FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
:FF
@A00721:190:HGW7DSXY:4:1606:7545:11397_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
AGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCT
+
FFFF:FF,FF
FFFFFFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFF:FF
@A00721:190:HGW7DSXY:4:2319:5023:31454_1:N:0:TCTGCAAG+GCTGCACT
TCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGG
TTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
GAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGW7DSXY:4:1623:28113:13103_1:N:0:TCTGCAAG+GCTGCACT
TCTGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTT
TTCCTACAGAGTGCAGTCGTTTCAACACTTATCACCACTTTTGAAAGGAAAATAATTGGTGATGAAAA
TAC
+
FFFFFFFFFFFFFFFFF:F:FFFF:FFFF:F:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGW7DSXY:4:1325:30635:3881_2:N:0:TCTGCAAG+GCTGCACT
TCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGACATTGTGGTTCA
ATGATCAGGATTCTTCTTTTGTCCTTACGTCTTAAGTAATTTGGATG
+
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:F,FFFFFFFFFFF:FFFFFFFFFFFFFFFFF
@A00721:190:HGW7DSXY:4:1468:29306:31391_1:N:0:TCTGCAAG+GCTGCACT
GATTCTTAAAGAAGTTTATTTAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAA
TAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAA
TCT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:FF
FF,
@A00721:190:HGW7DSXY:4:2161:7446:26694_1:N:0:TCTGCAAG+GCTGCACT
GGAGTGGCTAGGTTTTAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTT
TCGACGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAA
AAT
+
FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFF
@A00721:190:HGW7DSXY:4:1541:16206:6198_1:N:0:TCTGCAAG+GCTGCACT
GAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTATAAACCTTCTTTTTATCATTGCAACAGG
ACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAAT
ATG
+

FF
FFF

@A00721:190:HGJW7DSXY:4:2105:13530:3161_2:N:0:TCTGCAAG+GCTGCACT
AAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGGACTTTAGCAAC
TTTAGATAAATTCTTTCCGGTCTCAATGACCTTTGCTATGTACGTGGA

+

FFFFFFF:F:FFFFFFFFFFFFFFFF,F,,F,FFFFFFFFF::FFFFFFFFFFF::,FFF:FFFFFF,F:FFF
FFFFFFFFFFFFFFFFFFFFFFFFF:,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2470:15980:19617_2:N:0:TCTGCAAG+GCTGCACT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA
CTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1636:22336:3035_1:N:0:TCTGCAAG+GCTGCACT
TTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTC
TTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATT
GAA

+

FFFFFFFFFFFFFFFFFFFFF:,FFFFFFF:FFFFFFF,FFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFF
FFFFF,FFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF::FFFFFFFFFFFFF:FFF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2257:11803:19304_1:N:0:TCTGCAAG+GCTGCACT
TAATGATACTGACGAAGGTTCTATTACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCT
TAGAGGCTCGTCTAGCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAG
AAT

+

FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1339:28908:24752_1:N:0:TCTGCAAG+GCTGCACT
AGGTCTCCTAGTACTTAAGGTTTATGTTTCGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCA
CATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTC
GC

+

FFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF,FFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2213:16703:16799_2:N:0:TCTGCAAG+GCTGCACT
TGTGGGGATTAACTTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAA
GTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAG

+

FF
FFF:FFFF:FFFF::FF

@A00721:190:HGJW7DSXY:4:2505:22589:5603_2:N:0:TCTGCAAG+GCTGCACT
TTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGA
TCTCAGTTCTACCACAGAAACCGTCTCAGGAACGTCTCCACTGATTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2458:20654:32565_2:N:0:TCTGCAAG+GCTGCACT
AAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAG
GGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAA

+

:FF
FF
@A00721:190:HGJW7DSXY:4:2158:9480:29027_1:N:0:TCTGCAAG+GCTGCACT
GGTTGAAGAGAAAAGCTGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCG
GCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT
TCT
+
FFFFF:FFFFFFFFFFFF:FF
FFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1448:21766:25911_1:N:0:TCTGCAAG+GCTGCACT
GTTTTCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAAAGTGAA
TCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGTCCTACGTA
CTG
+
FF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1266:32633:34084_2:N:0:TCTGCAAG+GCTGCACT
GAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGTTCAAGTCGATTGATTTTGTGACTA
CGATCTCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGG
+
FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF,FFFFFF:FFFF:FFFF:FFFFFFFFFFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:1239:12879:1564_2:N:0:TCTGCAAG+GCTGCACT
ACCACTGAACTTATAGCGACTTTTGTGCAATTTTTCGCAAAAGTCTTGAAGTACGTATTGTCACTGC
TAATCGTAATTCGCGAGAAGAGATAGTGAATAAAGTTTTGGCACTTCT
+
FF:FFFFFFFFFFFFFFFF
FF:FFFF
@A00721:190:HGJW7DSXY:4:1278:23511:23109_1:N:0:TCTGCAAG+GCTGCACT
TTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCA
TGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGT
CAG
+
FF
FFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2229:1551:23218_2:N:0:TCTGCAAG+GCTGCACT
CATCTACTTAAGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTAT
TGATCTCCAAGTCGAAACTACTTCAACATCAACGACATCATTCTTGA
+
FF
F:FF
@A00721:190:HGJW7DSXY:4:2225:24469:36354_1:N:0:TCTGCAAG+GCTGCACT
TTATCGAAGTCTCAGTTATCGCTGCCGCGCCGACGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAA
AAATTTCTCCTGCTTGTAAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGAC
TTC
+
FF:FFFF:FF:FFFFFFFF
FF,FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2336:23032:29888_2:N:0:TCTGCAAG+GCTGCACT
CAAAGTCCTTGGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAGGTAATA

+

@A00721:190:HGJW7DSXY:4:1270:21278:4053_2:N:0:TCTGCAAG+GCTGCACT
ACGTTGAATCTTTACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAAT
CACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAACC

+

@A00721:190:HGJW7DSXY:4:2256:11731:23281_2:N:0:TCTGCAAG+GCTGCACT
CTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGA
TCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCT

+

@A00721:190:HGJW7DSXY:4:1332:12707:25254_2:N:0:TCTGCAAG+GCTGCACT
TCACTCGGTAATCTTTAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGAT
CAAGGCTAATACCTTTATAGGTAAGAAGCCCCCTTGAGCCGCGTAGTCA

+

@A00721:190:HGJW7DSXY:4:2521:9625:14810_1:N:0:TCTGCAAG+GCTGCACT
TCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCAACGGAAGACATATCGCA
CCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTGTTTGATCAGTCTAAGTTGGA
TAA

+

@A00721:190:HGJW7DSXY:4:1262:25545:27164_2:N:0:TCTGCAAG+GCTGCACT
GAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAA
ATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTC

+

@A00721:190:HGJW7DSXY:4:2525:6045:33254_1:N:0:TCTGCAAG+GCTGCACT
CTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCAAAATTTATTAA
TGCAATTTTCGGACCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTACCCAACATTT
TTA

+

@A00721:190:HGJW7DSXY:4:2331:21866:28432_1:N:0:TCTGCAAG+GCTGCACT
TCTCTCTTATGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTCGAAGTTTGACAAATCTCA
AGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTG
AAC

+

@A00721:190:HGJW7DSXY:4:1225:8802:34366_1:N:0:TCTGCAAG+GCTGCACT
ACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAAC

ACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTC
GGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1630:1099:6339_1:N:0:TCTGCAAG+GCTGCACT
GCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGG
CAATGGTTTCGAAGCGAAATTTTTGAGGGATAAACAGCGTACTTCTGCTCGCGATTTATTCTTTT
TCA

+

FFFFFFFFFFFF:FFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1577:32172:24361_1:N:0:TCTGCAAG+GCTGCACT
ATGTTACTCTTGATGACTTTGGGAGAGATTCTGTTAGTTTTAAAGACTATACTAAATATCTCCACT
GAGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATTGATATTGATTGAGGGTCGTTATACCT
TTC

+

:FFFF:FF:FFFF,FFFFFFFF:FFFF,FFFFFFFF,FFFF:FFFF:FF,FFFF,F::F:FF:
FFFFFFFFFFFF:FF,FFF:FF:FF,FFFF:FFFFFFFFFFFFFFFF:FFFFFFFF, :FFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:2158:7943:10739_1:N:0:TCTGCAAG+GCTGCACT
GCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTT
TGAAGCATCCCGACCTTTCCTTGTAATAATTTGATGCGGTTTCATAAGATTATCAGTAATCCTGAT
CTA

+

FFFF:FFFFFFFFFFFFFFFF:FFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2458:26539:34428_1:N:0:TCTGCAAG+GCTGCACT
ACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCG
CAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTT
TCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2221:22634:17801_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTCTTCTTTG
TCCTTCTTTCGACTGATTTTCTCATCAGCTTGTTTACCTAATC

+

FF
FF:FFFF:FF:FFF:FFFF:

@A00721:190:HGJW7DSXY:4:2464:30689:33505_2:N:0:TCTGCAAG+GCTGCACT
GATAACAACATCAGTTGATTAAGACTCTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGA
AGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTA

+

FF
FF::FF, :FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFF

@A00721:190:HGJW7DSXY:4:1358:28348:18584_1:N:0:TCTGCAAG+GCTGCACT
TATTTTAAAGTTTGTCTTCTTGTGTTGTTTATTCTATTAATCACTCATTTTAGTGAGATTATTA
ACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGG
GCA

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:1663:29749:28338_2:N:0:TCTGCAAG+GCTGCACT
CACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACT
TCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCT

+

FFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:2331:2826:21480_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTATGAGGGTGT
TTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATC
GTT

+

FFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2113:1334:22780_1:N:0:TCTGCAAG+GCTGCACT
CTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATC
GCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAA
ATA

+

FFFFFFF,F,FFFF:FFFF:FF,FF:FFFFFFFF,FFFF:F:FFFFFFFF:FFFFFFFF:FFFF:FF
:FFF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1639:20781:31814_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCCTCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCCGA
CCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG

+

FFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFF,:FF,FF:F::FF,FF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1633:30644:34491_1:N:0:TCTGCAAG+GCTGCACT
CGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATCT
GGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCCCTCTTCTACGAGTATTGCTATTTATAC
GGT

+

:FFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1424:5276:26913_2:N:0:TCTGCAAG+GCTGCACT
TATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATTT
TAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTC

+

FFF
FF

@A00721:190:HGJW7DSXY:4:1510:1262:18959_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC

+

FFF
FFFFFFFFF,FFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1224:16758:2112_1:N:0:TCTGCAAG+GCTGCACT
TTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTTCGTTTTTAGGTGGTCTTTATTCTATTATT

GATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGT
AAC

+

FF,FF::FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2134:22643:9298_2:N:0:TCTGCAAG+GCTGCACT
ATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAATCC
TACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTT

+

FFF:FFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1243:28420:14700_1:N:0:TCTGCAAG+GCTGCACT
TTTCTACGATACAAATGATAACTTCTAATTTACGTTTGTACTCAGAGCTGGTCTCTCAGCAAAGG
GATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTG

+

FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2133:3034:30639_1:N:0:TCTGCAAG+GCTGCACT
GTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAAGGTGAGGAGACC
ATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTG
TAG

+

FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1336:22968:5603_2:N:0:TCTGCAAG+GCTGCACT
TAATATTCAACCTCAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAACTAACTATGTT
ATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAAA

+

FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:F:FFFFF

@A00721:190:HGJW7DSXY:4:1516:18728:9377_1:N:0:TCTGCAAG+GCTGCACT
AATGGCAAATAGTGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGA
GAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGCGGCGGCGACTAATCTTAAAGCTTCA
CCC

+

FF
FFFFFFFFFFFFFFFFF:FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2115:15763:28635_1:N:0:TCTGCAAG+GCTGCACT
ACACTTCGAACTTAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAG
GACACTATAAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAGATA
TCG

+

FFF:FF:,FF,FF,:F,F,:F:FF,,F:F,,,:FF:F,:FFFFFF:F,FFFF,F:,,:F,FFFF,
:FFFFFF:FF,,F,FFF,,,FFFFFFFF:FFFF:F:F:FFFFFF,FFFF,FFFFFFFF:F:FFFF:
FFF

@A00721:190:HGJW7DSXY:4:1255:24849:19163_1:N:0:TCTGCAAG+GCTGCACT
CCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAA
TTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATT
GGT

+
FFFFFFFFF:FF,FFF,FF
:FF
FFF
@A00721:190:HGJW7DSXY:4:1430:8901:4257_2:N:0:TCTGCAAG+GCTGCACT
TGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCC
AGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGGA
+
FF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFF,,FF:F
@A00721:190:HGJW7DSXY:4:2669:31828:29215_2:N:0:TCTGCAAG+GCTGCACT
CTACGGAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGT
GAACGCGTTCGTAGAACCAAGTACTTTCGTCTGAAGAGTTTAGAGCT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFF:F
@A00721:190:HGJW7DSXY:4:1420:25057:9815_2:N:0:TCTGCAAG+GCTGCACT
AGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCCACAG
ATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2107:32154:26553_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTATAATGACT
CTA
+
FF
FF:FFFFF,FFFFFFFFF:FFF:FF,FFF,,F
FFF
@A00721:190:HGJW7DSXY:4:2205:16604:2942_2:N:0:TCTGCAAG+GCTGCACT
ATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAG
TACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTA
+
FF
FF,FFF
@A00721:190:HGJW7DSXY:4:1453:5421:4993_1:N:0:TCTGCAAG+GCTGCACT
CATCTCAACGAGTATAAAGCGAGTTTTCCGTCCTTAACGTAATACACGAAGAGAACATCCGCAAACGA
CTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCAT
TTT
+
:FFF,::,:F:F,F:FF,:,,,FFF,F::FF,F,::,:F:,FFFF:F,::,F,,::FF:,FFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1611:8223:17769_1:N:0:TCTGCAAG+GCTGCACT
ATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATT
ATCTCTTATGTACTTATTGTAACGATCATTTCTTCGAGTTTTGTCATTCTTATTCTTTTATTCTTTA
ACT
+
FFFFF,FF:FF:FFFFFFFFFFFFFFFF:FFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1470:21621:5400_2:N:0:TCTGCAAG+GCTGCACT
ATGCTTTTCGATAGTGATTGTATCAATTAAATACATTACTGTTTCAAATCATCTTTACTCACAGAC

$+$

@A00721:190:HGJW7DSXY:4:2614:13955:26788_1:N:0:TCTGCAAG+GCTGCACT
CACTACCACTGATCTGCCGACCTTTAGTCAAGGAACCTTCAATTCCTTCGATGTTTATATTTTTCTATAA
GGGAAATATCAATAATCAAATTTGACAAATTTAGAACTTTATTTCAGAACTCTCTCCGATCACCT
TGG

+

@A00721:190:HGJW7DSXY:4:2441:11577:23265_2:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTC

+

@A00721:190:HGJW7DSXY:4:2362:1823:1172_2:N:0:TCTGCAAG+GCTGCACT
TTTTACTTATACTTTAAATAGCACCGATTATACTTGACTGTTGATAATATTACAATAGCTCTTCTC
AGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTAC

+

@A00721:190:HGJW7DSXY:4:1137:3721:25128_1:N:0:TCTGCAAG+GCTGCACT
GAAGTGAAGAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAGA
AATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAG
AAC

+

@A00721:190:HGJW7DSXY:4:2278:29740:36432_2:N:0:TCTGCAAG+GCTGCACT
TAATGAGAGTGTATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCC
TAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAAATTTTAGAAA

+

@A00721:190:HGJW7DSXY:4:2366:13810:32675_1:N:0:TCTGCAAG+GCTGCACT
GGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAA
TTGCTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC
TGC

+

@A00721:190:HGJW7DSXY:4:2274:26485:27571_1:N:0:TCTGCAAG+GCTGCACT
CTACCATGACCAATCATCGCTCCAACCTGGCAGGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGG
CAGATCGGCACCACTGGTCTCTACGTTCAGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATC
TGC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1176:32253:28948_1:N:0:TCTGCAAG+GCTGCACT
CTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACC
GAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTCTGTGGGAAGTACCTCAGTCAAA
AGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1265:1389:11506_2:N:0:TCTGCAAG+GCTGCACT
ACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGG
AGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCCAAGCC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1130:8549:4210_1:N:0:TCTGCAAG+GCTGCACT
CTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTC
CCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCT
GAA

+

FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1362:8956:7044_2:N:0:TCTGCAAG+GCTGCACT
CCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAA
GGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1643:27724:12774_1:N:0:TCTGCAAG+GCTGCACT
CTCTCTACAGTAGGTTCTGCTACTATGAGCAAATCTGTTGAATTCTGCTACTGAGGACGAAGGTGAG
AGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGG
CC

+

FF:FFFF,FFFFF:FFFFFFFFF::FF:FF:FFF:FFFF:FF,FF:FF:FFFFF:F:FF,FFFFF
FFFFFFFFFFFF:FFFF:,FF::F::FFF:FF:FFFF,FFFF:F::FFFFFFFFFFFF:FFFFF
FF

@A00721:190:HGJW7DSXY:4:1369:23800:30436_1:N:0:TCTGCAAG+GCTGCACT
TCTTGCAAGTACTGGAGTTCAGACGTGTGCTCTTCCGATCTTTTATCCGCGCTTAATATGGGGC
GAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCA
CCC

+

FF
FFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2419:8477:30702_2:N:0:TCTGCAAG+GCTGCACT
CTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTGGCCAGAATGCGGGCTTTCTGACTGAT
GAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATT

+

FFFFFFF:FF:FFF:FFFFFFFFFFFFFFFFF:FF::F,FFFF,F:F:FF:,F,FFFFF,F:FFF:
,F:FFFFFFFF,F,,F,F,,,:F:,F,,FF:,F,FF:FFFF,FFFFF

@A00721:190:HGJW7DSXY:4:2266:9444:34976_1:N:0:TCTGCAAG+GCTGCACT
CAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCCCACATATGGTAGACGTTGTACAC
TTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAG
GGT

+
 F::FFFFFFFF:FF
 FF
 FFF
 @A00721:190:HGJW7DSXY:4:2552:9218:27915_1:N:0:TCTGCAAG+GCTGCACT
 CTTCCGATCTCCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCT
 CCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAA
 AGG
 +
 FFF,FFFFFFFF,,:FFFFF,,FF::FFFF:FFFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 F,FFFF,FFFFFFFFFFFFFFFF:FF::F
 FFF
 @A00721:190:HGJW7DSXY:4:2471:4237:28745_2:N:0:TCTGCAAG+GCTGCACT
 ATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAA
 GTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAGGAGAT
 +
 FFFFFFFFFF:FF
 FFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1410:29206:8985_2:N:0:TCTGCAAG+GCTGCACT
 AAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAG
 CAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAG
 +
 FFFFFFFF:FF
 FFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F
 @A00721:190:HGJW7DSXY:4:2477:20546:10676_1:N:0:TCTGCAAG+GCTGCACT
 ATTTAGGTCAACTTGGGGTTTCAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATC
 GACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACTTACCATATTGTTCC
 TTC
 +
 FFFFFFFFFF:FF
 FFF:FF
 FFF
 @A00721:190:HGJW7DSXY:4:2363:11659:13416_1:N:0:TCTGCAAG+GCTGCACT
 TTTAACTTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTG
 ATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCT
 GTA
 +
 FFFFFFFFFF:FF
 FFFFFFFFFFFFFFFFFF:FF
 FFF
 @A00721:190:HGJW7DSXY:4:1304:18629:19194_1:N:0:TCTGCAAG+GCTGCACT
 CTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGGTTGAGGAGACTTTACAGCGG
 CTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
 CGC
 +
 FFFFFFFFFF:FF
 FFFFFFFFFFFFFFFFFF:FF
 FFF
 @A00721:190:HGJW7DSXY:4:1314:27480:18490_2:N:0:TCTGCAAG+GCTGCACT
 GATTTAGATATTATTGATATTGGAGGCGATATTGTTTTTCATATCCAAAACCTCTTGAATGGAGTACA
 TATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTC
 +
 FFFFFFFFFF:FF
 FFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1269:9534:33755_1:N:0:TCTGCAAG+GCTGCACT
GATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTG
TTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCT
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2173:22010:10614_2:N:0:TCTGCAAG+GCTGCACT
TATGTCATTTTCGTCTTAGTTTGTCCCGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCCCT
GACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2258:7916:3145_2:N:0:TCTGCAAG+GCTGCACT
AAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGA
ACTCTTGGGACTAGATTGAGCATTAAATGAGTTCCGAATAACTCGTAA

+

FF,F:FF,FF
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F,FF:FFF:FFFFFF,FFFFFF

@A00721:190:HGJW7DSXY:4:1418:27462:13917_2:N:0:TCTGCAAG+GCTGCACT
AAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATA
AAAATTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGG

+

FF
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F,FF:FFFFFF

@A00721:190:HGJW7DSXY:4:1149:19958:36839_2:N:0:TCTGCAAG+GCTGCACT
GTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAA
CAGTGCGAGTATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1458:28944:35180_1:N:0:TCTGCAAG+GCTGCACT
AGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACG
TTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGA
TTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1672:25021:11663_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTAGTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAA
AAT

+

FF
FFF:FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1606:8133:11130_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
AGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAAC

+

FFF::FFFFFFFF:F,FF
FFFF,FFFF,,FF:FF:FFFF

@A00721:190:HGJW7DSXY:4:2356:17671:24205_1:N:0:TCTGCAAG+GCTGCACT
TCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTACTTCTTTTTGAATGTTGTAAAGAATTGGG
TTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
GAA

+

FFFFFFFF:FFFFFFFF,FF,F:FF,:FFFF:F,FFFFFFFFFFFFFFFF:FFF,,FFFFFFFF
FFFFFF,FFFF:FFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FF
FFF

@A00721:190:HGJW7DSXY:4:2212:10294:18850_1:N:0:TCTGCAAG+GCTGCACT
TCTGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTT
TTCCTACAGAGTGCAGTCGTTTCAACACTTATCACCCTTTTCAAAGGAAAATAATTGGTGATGAAAA
TAC

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,F:F:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2450:12292:8249_2:N:0:TCTGCAAG+GCTGCACT
TCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGACATTGTGGTTCA
ATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTAATTTGGATG

+

FF:FFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1505:19804:27931_1:N:0:TCTGCAAG+GCTGCACT
GATTCTTAAAAGAAGTTTATTA AAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAA
TAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAA
TCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2357:15402:7811_1:N:0:TCTGCAAG+GCTGCACT
GGAGTGGCTAGGTTTTAAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTT
TCGACGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAA
AAT

+

FFFFFF:FFFF,FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1562:32398:33896_1:N:0:TCTGCAAG+GCTGCACT
GAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTATAAACCTTCTTTTATCATTGCAACAGG
ACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAAT
ATG

+

FF,FFFFFF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2327:29351:25238_2:N:0:TCTGCAAG+GCTGCACT
AAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGACTTTAGCAAC
TTTAGATAAATCTTTCCGGGCTCAATGACCTTGCTATGTACGTGGA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2614:30581:10394_2:N:0:TCTGCAAG+GCTGCACT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA

+

@A00721:190:HGJW7DSXY:4:2112:25030:6073_1:N:0:TCTGCAAG+GCTGCACT
TTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTC
TTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATT
GAA

+

@A00721:190:HGJW7DSXY:4:2465:9109:34867_1:N:0:TCTGCAAG+GCTGCACT
TAATGATACTGACGAAGGTTCTATTACCACCTTGTCAATTGATACAAACATTCTAGGTGATGCTTTCT
TAGAGGCTCGTCTAGCCGCTGAGATTCTCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAG
AAT

+

@A00721:190:HGJW7DSXY:4:1107:29152:9893_2:N:0:TCTGCAAG+GCTGCACT
TCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACAT
TGC GTGATCACTTCCCGTGGACTTGGGAAGAGATTAAACATAAAATCC

+

@A00721:190:HGJW7DSXY:4:1313:30789:3803_2:N:0:TCTGCAAG+GCTGCACT
GCTAAAGCCTGTCCAGTTGTCGATGATGTTCCGGGCTGTGGGGATTAACCTCCCTCGTGAACTTACGA
CGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGC

 $+$

@A00721:190:HGJW7DSXY:4:2115:18421:6308_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGAACCTTAATAGAGGATCCTGATGACATT
ATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGA

+

@A00721:190:HGJW7DSXY:4:1345:19605:14904_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGA
TGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACAGATCGGAAGAG

 $+$

@A00721:190:HGJW7DSXY:4:1130:9037:28667_1:N:0:TCTGCAAG+GCTGCACT
GTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGAGAAAACCTGAT
ATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCC
AGA

+

@A00721:190:HGJW7DSXY:4:2437:8513:2675_1:N:0:TCTGCAAG+GCTGCACT
TTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAA

+

+

+

+

+

+

+

+

[illegible]

[illegible]

@A00721:190:HGJW7DSXY:4:2523:31006:13041_1:N:0:TCTGCAAG+GCTGCACT
AGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGAC
GTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTCCT
ACT

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2536:2790:6417_2:N:0:TCTGCAAG+GCTGCACT
AATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTT
CAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTAC

+

FF
FF
FFF,FFFF,FF:FFFFFFFF,FFFFFFFF:FFFF:FF
FFFFFFFF:FFF:FFFF,FF::F::FFFF:FFFFFFFF:FF:FFFF,

@A00721:190:HGJW7DSXY:4:1515:26467:2988_2:N:0:TCTGCAAG+GCTGCACT
GAAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCT
TTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACG

+

FF:FFFFF:F:FF
FFFFF:FFF:FFFF,FF::F::FFFF:FFFFFFFF:FF:FFFF,
FFFF,FF

@A00721:190:HGJW7DSXY:4:1524:9091:32518_1:N:0:TCTGCAAG+GCTGCACT
CTTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATT
CTGGTGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGC
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1532:28330:22435_1:N:0:TCTGCAAG+GCTGCACT
CTTTCAGTTTCACTGAAGGAGGAGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATAA
TATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTT
CTA

+

FFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2250:5267:4820_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTAATTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTAT
TACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCA
TCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2358:24108:3098_2:N:0:TCTGCAAG+GCTGCACT
CACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACT
TCTAATAAAGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCT

+

FF
FF
FF:F:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1261:31611:16908_2:N:0:TCTGCAAG+GCTGCACT
AGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCCTCTGGCCTTGATGAGGGTGT
TCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAG

+

FFFFFFFFFFFFFFFF:FFFFFFFF:FF
FF:FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1325:12834:1642_2:N:0:TCTGCAAG+GCTGCACT
GCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTA
AAGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAG
+
FFFFFFFFFFFFFFFF:FFFFFF:FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2136:22959:19460_1:N:0:TCTGCAAG+GCTGCACT
CTCTACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATC
GCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAA
ATA
+
FFFFFFFF:FFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1659:4309:15687_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGAACGAAGGCGA
CCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG
+
FF:FFFF
FFFFFFFFFFFFFFFF:FFFFFFF,FFFFFF,FF,FF,FFFF::FFF:F
@A00721:190:HGJW7DSXY:4:2327:5312:24878_1:N:0:TCTGCAAG+GCTGCACT
CGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATCT
GGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCCTCTTCTACGAGTATTGCTATTTATAC
GGT
+
:FFF:FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFF:FFFF:,FFF:FFFFFFFFFFFFFFFF
FFFFFFFF:F:FF:,F,:FFFFFF:FF:F,FFFFFF,FFFFFF::F:FFF,FFF:FFFFFFFF,F
FFF
@A00721:190:HGJW7DSXY:4:1457:16595:3333_2:N:0:TCTGCAAG+GCTGCACT
TATTTGGATGATCTTGATAAAGAACTTCATGAATTTTACAGAGGATGAAAAATTTCTTCTTGATTT
TAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTC
+
FF:FFFFFFFF:FFFF::F:FFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1532:29035:35336_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC
+
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFF:FFFF:FFFFFFFF:,FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1374:21956:2033_1:N:0:TCTGCAAG+GCTGCACT
TTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTCTTTTTAGGTGGTCTTTATTCTATTATT
GATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGT
AAC
+
:FFF:FF:FFFFFFFFFFFFFFFF,F,FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2226:4010:1517_2:N:0:TCTGCAAG+GCTGCACT
ATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAATCC

TACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTT
+
F,FF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1243:28519:12399_1:N:0:TCTGCAAG+GCTGCACT
TTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGG
GATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTG
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2151:7374:33833_1:N:0:TCTGCAAG+GCTGCACT
GTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAAGGTGAGGAGACC
ATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTG
TAG
+
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2133:31602:34835_2:N:0:TCTGCAAG+GCTGCACT
TAATATTCAACCTCAAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAACTAACTATGTT
ATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAAATAAA
+
FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFF:FFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1552:17951:25034_1:N:0:TCTGCAAG+GCTGCACT
AATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGA
GAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCA
CCC
+
:FF,,F:::FF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFF:FFF:F::F:FFF:FFF:FFFFFFFFFFFF
F:FF:FFFFFFFFFFFF,FFFFFF,FFFFFFFF:FFFFFFFF:F:FF,:FF,:FFFF:FFFFFFFF
FF:
@A00721:190:HGJW7DSXY:4:2303:4264:31516_1:N:0:TCTGCAAG+GCTGCACT
ACACTTCGAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAG
GACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAGATA
TCG
+
FFFFFFFFF:F:FFFFFFFFFFFFFFFF:FFF,:FF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FF:FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFF:F:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1662:7591:10911_1:N:0:TCTGCAAG+GCTGCACT
CCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAA
TTCTTTTGATACAACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACAGATT
GGT
+
FFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2314:3468:6621_2:N:0:TCTGCAAG+GCTGCACT
TGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCC
AGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGGA
+

FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF:,FFF:FFFF,FFFFFF,FF,FFF
FFFFFF,FF,FF,FF:FFFFFFF,,F::F,FFFFFF:,::FFF,,:::F
@A00721:190:HGJW7DSXY:4:1263:7102:8625_2:N:0:TCTGCAAG+GCTGCACT
AAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGC
GTTCTAGTAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATT

+
FFFFFFFFFFFFFFFF:FFFF,FF:F
FF
@A00721:190:HGJW7DSXY:4:1506:7283:23062_2:N:0:TCTGCAAG+GCTGCACT
AGTTGAAGATGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCCACAG
ATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAA

+
FF
FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFF:FFF
@A00721:190:HGJW7DSXY:4:2125:19678:34256_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTGCTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACT
CTA

+
FFFFFFF:FFF,FFFFFFFFF:F
FF:F:FFF:FFFF,FFFF::
:FF
@A00721:190:HGJW7DSXY:4:2510:2474:23156_2:N:0:TCTGCAAG+GCTGCACT
ATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAG
TACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTA

+
FFFFFFFFF,FFFFFFF,F,FFFFFFFFF:FFFFFFF:FFFFFF:FFFFFFF,FFFFFFF,FFFFFFFFF
FF:F:FFFFFFF,FF:
@A00721:190:HGJW7DSXY:4:2433:4670:13683_1:N:0:TCTGCAAG+GCTGCACT
ATCTCAACGTGTATAAAGCTTGTTCCTTCTGAACCTAATACACGATGATATAATCCGCAACGAC
TCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTC

+
FF,,F,::,,::,FFF,F,,,FFF,F,F,F,::F,:::FF,FF::,,F:,F,,,FF,:F::FFFF
FFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:1662:22652:14105_1:N:0:TCTGCAAG+GCTGCACT
ATAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATT
ATCTCTTATGTACTTATTGTAACGATCATTCTTCGAGTTTGTGATTCTTATTCTTTATTCCTTTA
ACT

+
FFF,,FFF,FFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFFF,
FFF
@A00721:190:HGJW7DSXY:4:1578:2157:25958_2:N:0:TCTGCAAG+GCTGCACT
ATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGAC
TCCGAAAATGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC

+
FF
FF
@A00721:190:HGJW7DSXY:4:1318:5448:26897_1:N:0:TCTGCAAG+GCTGCACT
ACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTTCAATTCCTTCGATGTTTATATTTTCTATAAG
GGAATAATCAATAATCAAATTTGACAAATTTTGAACCTTATTTCAGAACTCTCTCCGATCACCTT
GG

+
FFFF,:F::F,FFF:F:,FFFFFFFFFFFFFFFF,FFFF:FF,FFF,F:F::FF:F:F:FFFFFFFFF

FFFF:FFFF:FFFFFFFFFFFF,FF:F,,FFFFFFFFFFFFFFFF:FFFFF::FFFF:FFFF
FF

@A00721:190:HGJW7DSXY:4:2560:19171:25739_2:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:::FFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2572:8269:29089_2:N:0:TCTGCAAG+GCTGCACT
TTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTC
AGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2415:23285:14732_1:N:0:TCTGCAAG+GCTGCACT
GAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACACACGATTCTTCGACTATATTAAAGA
AATAAAAATACTTCAAGTACCTGAACCTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAG
AAC

+

FFF:FFFFF:FFFF:FF,FFFFFFFFF:F:FFFFFFFFFFFF,, ,FFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2349:25681:36166_2:N:0:TCTGCAAG+GCTGCACT
TAATGAGAGTGATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCC
TAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAA

+

FF:
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2550:1235:25144_1:N:0:TCTGCAAG+GCTGCACT
GGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGGAAATTGTATAAGAGTTAA
TTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC
TGC

+

FF
:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2542:29152:33254_1:N:0:TCTGCAAG+GCTGCACT
CTACCATGACCAATCATCGCTCCAACCTGGCACGCCAGACGTTGGGTCAAACCTACTACCGCCGGTCGG
CAGATCGGCACCACTGGTCTCTACGTTCAGGGACCGCTGTGCAGAATAACCTTCCCAATCTAGATC
TGC

+

FFF:FFF:FF,:FF,:FFFFFFFF:FFFFFF:FFFF:, ,F:,FFFF,FFFFFF,F:F:FFFFFF,FF
, ,F,FFF,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,F,FFFF:FFFFF:,F,FF:F:FF
FF:

@A00721:190:HGJW7DSXY:4:2103:7527:35571_1:N:0:TCTGCAAG+GCTGCACT
CTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACC
GAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTCTGTGGGAAGTACCTCAGTCAAA
AGT

+

FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1378:25310:24220_2:N:0:TCTGCAAG+GCTGCACT
ACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGG

AGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACACTCCCAAGCC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFF
FF

@A00721:190:HGJW7DSXY:4:2437:4490:31313_1:N:0:TCTGCAAG+GCTGCACT
CTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTC
CCCAAACTGAGAAGAATAAAGGGAAAGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCT
GAA

+

FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFF::FF,F,F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1425:1850:15092_2:N:0:TCTGCAAG+GCTGCACT
CCACCATCTGGGGTTGGAATAAGAAATCTGCACGGCCAATGAGGCCGCTGCTACGAAGTCGCTGAA
GGCGGCTTGGGTCATTAAGGGTAGCGGTAAAGTTGCGCCTGCCGACCC

+

FFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,F,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFFFFFFF:FFFFFFFF,FF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1112:28212:14935_1:N:0:TCTGCAAG+GCTGCACT
CTTGACAGAGTACTGGAGTTCAGACGTGCGCTCTTCCGATCTCGTCACTGAGGACGAAGGTGAGAGGA
CTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGA
CGC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF,F,FFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF:
FFFF:FFFFFFFFFFFFFFFF:FF,FFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1374:9435:11256_1:N:0:TCTGCAAG+GCTGCACT
TCTTGACAGAGTACTGGAGTTCAGACGTGCTCTTCCGATCTTTTATCCGCGCTTAATATGGGGC
GAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCA
CCC

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1514:32841:2722_2:N:0:TCTGCAAG+GCTGCACT
TTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTGGCCAGAATGCGGGCTTTCTGACTGATG
AGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTGTTATATTC

+

FFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2318:30761:14372_1:N:0:TCTGCAAG+GCTGCACT
CAACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTAGACGTTGTCACAC
TTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAG
GGT

+

FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2408:13413:8030_1:N:0:TCTGCAAG+GCTGCACT
CTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTC
CGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAA
GG

+

FF::FFFFFF:FFFFFF:,FF:FFFFFF:F:FFFF:FF,:FFF:FFFFFF::FFFFFFFF

F:FF
FF

@A00721:190:HGJW7DSXY:4:1370:25102:24549_1:N:0:TCTGCAAG+GCTGCACT
TGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTG
GAGAGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGG
GAG

+
FF,FFFFFFFFFFFFFFFFFFFFFFFF
FF:F:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1426:4001:1219_1:N:0:TCTGCAAG+GCTGCACT
TTTTGAGAAGGGGTATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCC
TTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTT
ACG

+
FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF,FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1365:8992:26490_2:N:0:TCTGCAAG+GCTGCACT
TCCTTTTGAGTATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACT
TACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAA

+
F,FF,FFFFFFFF:FFF:FFF,F,FFFFFF:,F:FFF,,FFF:FFFF,FF:FFFF,FFF,F:FFFF
FFF,F::F,FFFFFFFF,FF:FFFF:FF,FF,FFFF:F,F::F::F

@A00721:190:HGJW7DSXY:4:1210:9968:10269_2:N:0:TCTGCAAG+GCTGCACT
TGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAAT
ATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTT

+
FF:FFFFFFFFFFFFFFFFFFFFFFFF:F
FF:FFFFFF:F:FFF

@A00721:190:HGJW7DSXY:4:1312:1262:2581_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAATGTTGAGGAGACTTTACAGCGG
CTTATTGTGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC

+
:F,FF:FFF,FFF,F:FFFFFFFFFFFFFFFFFFFFF,:
,FFFFFFFF,FFFFFFFF::FFFFFFFF:,,,FFFFFFFF:F::FFFFFFFFFFFFF:,FFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1329:18448:18223_2:N:0:TCTGCAAG+GCTGCACT
GATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAAACCTTGAATGGAGTACA
TATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTC

+
:FF
FFFFF,FFF:FFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2128:32452:6120_1:N:0:TCTGCAAG+GCTGCACT
GATTGGGAACGTACCTACTCACGAGACGTATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTG
TTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCT
CTC

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2246:15872:18239_2:N:0:TCTGCAAG+GCTGCACT
TATGTCATTTCTGCTTAGTTTGTCCCGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTT

GACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2439:16550:4257_2:N:0:TCTGCAAG+GCTGCACT
AAAGATAAGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGA
ACTCTTGGGGACTAGATTGAGCATTAAATGAGTTCCGAATAACTCGTAA
+
FFFFFFFFFFFF:FF
FF,FF:FFFFFF
@A00721:190:HGJW7DSXY:4:1507:14290:18004_2:N:0:TCTGCAAG+GCTGCACT
AAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATA
AAAATTTTCTCAAGAGATTATGTTGATAAAGTTTTCTTCATAAGGG
+
FF
FF,FFFFF
@A00721:190:HGJW7DSXY:4:1201:21513:35274_2:N:0:TCTGCAAG+GCTGCACT
GTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAA
CAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTCA
+
FF
FF,FFFFF
@A00721:190:HGJW7DSXY:4:2328:10077:9204_1:N:0:TCTGCAAG+GCTGCACT
AGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACG
TTATGCTCGCAAACCTTAACGTTAGTACCGAGGTGATCTCTGCTTCTGCGTTACTGAGAGAAAAGA
TTC
+
FFFFF:FFFFFFFFFFFF:FF
FFFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:2218:8630:10927_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTAGTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAA
AAT
+
:FFF:FF,FFFF,FF:FFFFFFFFFFFFFFFFFFFF,F,FFF:FFFFFFFFFFFF:,FFFFFFFF,FFFF:FFFF
F:FFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFF,FFF:FFF,FFFFFFFF:,FFFFFFFFFFFFFFFFFFFF
,:F
@A00721:190:HGJW7DSXY:4:1621:18240:17550_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
AGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAAC
+
FFFFFFFFFFFF:FF
FF,F,FF
@A00721:190:HGJW7DSXY:4:2373:4227:30358_1:N:0:TCTGCAAG+GCTGCACT
TCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGG
TTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
GAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2463:6334:12649_1:N:0:TCTGCAAG+GCTGCACT
TCTGAATTATTACTGTTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTT

TTCCTACAGAGTGCAGTCGTTTCAACACTTATCACCACCTTTTGAAAGGAAAATAATTGGTGATGAAAA
TAC

+

FFF,FFFFFFFFFFFFFF:FFFFFFFFFF,FFF::FF:FFF:F,F:FFFFFFFFFFFFFF:FFFFFFF
FFFFFF:FFFFFF::F,FFFF,FFFFFF:FFFFFFFF:FFFFFFFF::FFFFFF:FFFFFF:F:
FF:

@A00721:190:HGJW7DSXY:4:1230:29695:4100_1:N:0:TCTGCAAG+GCTGCACT
GGGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTC
TTAAGTAATTTGGATGTTGTGCGAAACTATCAGGTTCTTGTACGATTCTTAAAAGAAGTTTATTTAA
ACT

+

FFFFFFFFFFFF,FF:FFFF:FFFFFF,FF:FFFF:F
FFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2433:31403:26162_1:N:0:TCTGCAAG+GCTGCACT
GGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGTAGAGGAGTTGA
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTA
AAA

+

FFFFF:FF
FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1257:15908:18145_1:N:0:TCTGCAAG+GCTGCACT
CATACGAGATCTTGCAAGTACTGGAGTTCAGACGTGTGCTCTTCCGATCTTGAAGATTTCCACACT
GTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGATGG
CTC

+

FFFFF::FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1564:8811:22420_1:N:0:TCTGCAAG+GCTGCACT
ACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGG
TATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCTGTTGACG
TC

+

FFF,FFFFFFFFFFFF:F,FFFFFFFFFFFFFFFF:FFFFFF:FFFFFF:F,FFFFFFFFFFFFFF:F
FFFF:FF,:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:F
FF

@A00721:190:HGJW7DSXY:4:2468:20419:26710_2:N:0:TCTGCAAG+GCTGCACT
AAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGGACTTTAGCAAC
TTTAGATAAATTCTTTACGGGCTCAATGACCTTTGCTATGTACGTGGA

+

FFFFFFFFFFFFFF:FFFFFFF:F,FF,,:FF:,FFFFFF:FFFFFFFFFFFF::F:FFFFFFFFF
FFFF::FFFFFFFFF,,F,:FFFF,FFFFFFFF,FFF::FFF,,:F

@A00721:190:HGJW7DSXY:4:2664:18484:27336_2:N:0:TCTGCAAG+GCTGCACT
TCACTACAAAGGCGTTACGTAAAGTAGTTTTACGCTTTATCTTAAAGCATTACCACCAAATTTAGCA
CTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCA

+

FFFF,FFFFFFF:F:FFFF,FFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFF,F:F,FF

@A00721:190:HGJW7DSXY:4:2301:5204:26381_1:N:0:TCTGCAAG+GCTGCACT
TTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTC
TTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATT
GAA

+
FF,FFFF,, ,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF: ,FF:F:FF,, :F:F:FF:,FF,FFF,
FFFF,FFFFFFFF:FFF::FFFFFFFF:FFF:,FFFF:FFFF:FFFF,FF:FFFFFFFF:F:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1135:24198:9643_2:N:0:TCTGCAAG+GCTGCACT
AATGATACTGACGAAGGTTCTATTACCACCCTTGTCAATTGATACAAACATTCTAGGTGATGCTTTCTT
AGAGGCTCGTCTAGCCGCTGAGATTCGTCTTACCTATTTACAATCTGT
+
FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1121:28049:33254_2:N:0:TCTGCAAG+GCTGCACT
TCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACAT
TGCGTGATCACTTCCCGTGGACTTGGGAAGAGATTAAACATAAAATCC
+
FFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF:FFF:FFFFF:FFFF
@A00721:190:HGJW7DSXY:4:1521:17996:12806_2:N:0:TCTGCAAG+GCTGCACT
GCTAAAGCCTGTCCAGTTGTTCGATGATGTTTCGGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGA
CGATGTTCTCTCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGC
+
FFFFF,::,FF:FFF,F,F,:F,,FF:FF:FF,FF,,,FF,FFFF:FFF,FFF:FFFFF,:FF:F
FFFF,:FF:F,:FFFF,,FFF:FFF:FFFFF:,FFFFF:F:,F,:F
@A00721:190:HGJW7DSXY:4:2170:20274:10207_2:N:0:TCTGCAAG+GCTGCACT
AAGTTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATT
ATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGA
+
FF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1514:6352:1877_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGA
TGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACAGATCGGAAGAG
+
FFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1321:23647:5932_1:N:0:TCTGCAAG+GCTGCACT
GTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGAGAAAACCTGAT
ATGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCC
AGA
+
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2555:22661:15217_1:N:0:TCTGCAAG+GCTGCACT
TTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAA
ACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTTCCAAAAGCTATT
AAT
+
FF:FFFFF
FFFFFFFF:FF:
FFF
@A00721:190:HGJW7DSXY:4:2150:29677:16000_2:N:0:TCTGCAAG+GCTGCACT
GAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCAGAGTTCAAGTCGATTGATTTTGTGACTA
CGATCTCTTGTGAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGG
+

[illegible]

@A00721:190:HGJW7DSXY:4:2211:16929:32690_1:N:0:TCTGCAAG+GCTGCACT
CAACGGAAAGACATATCGCACCCGAAATTTTTGGGCAGAA TGCTCTTAACGCGGTTCTTGAACGGTGT
TTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGA
TTG

+

[illegible]

@A00721:190:HGJW7DSXY:4:2469:4218:21010_2:N:0:TCTGCAAG+GCTGCACT
CTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATAGGACCGACTATATGACCTAT
TTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCA

+

F,FF,FFF:F:FFFFFFFFFFFFFFFF:FFFFFFFF:FF:FFF,FFFF:,,:FFFFFFFF:FFFFF:FF:
:,FFFFFFFFFFFFFFFFFFFFFFFF:FFF,,FF:FF:FFFFFFFFFFFFFFFF:,FF:

@A00721:190:HGJW7DSXY:4:2361:19226:7106_2:N:0:TCTGCAAG+GCTGCACT
CCTATCTTTAAGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTACCCAACATTATTATGTATACAGA
GATGACCAGTGACGATTTCTCCCGGAAGCTCTTCTCTCTTAGGAGG

+

F::FFFF,FF::,FFFFFFF,FFFFFFF:FFFFFF,FFFFFF,FFFF,F:FFFF,,F:FF,FFFFFFF
 ,FF,F,FF:FFFF,FF::F:,F,FF,F:FF::FFFF:FF,F,FF:F

@A00721:190:HGJW7DSXY:4:2263:3839:18161_1:N:0:TCTGCAAG+GCTGCACT
GATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATT
TTTGTACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACG
GCC

+

[illegible]

@A00721:190:HGJW7DSXY:4:2278:26666:18114_1:N:0:TCTGCAAG+GCTGCACT
AATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAAGTTTTCGGCTGTGGTTGT
CGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGG
ACA

+

```

FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFF

```

@A00721:190:HGJW7DSXY:4:1630:8666:16689_1:N:0:TCTGCAAG+GCTGCACT
ATGTTACTCTTTTAGGACTTTGGGAGAGATTCTTGGTTTAAATACTATACTAAATATCTCCACTAC
GAGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTA
TTC

+

```

FFFFFF,::FF,FF:F::FFFFFF:FFFFFFFFFFFFFFFFFFFF:F,,FFF,F,FFFF:FFF:FFFF,:FF
FF,FFF,FFF:FFFFFF,FF:FFFFFFFFFF,:FFFF:FF,FFFFFFFFF,F:F,FFFFFF:FFFF::,:
FFF

```

@A00721:190:HGJW7DSXY:4:2378:18141:36385_1:N:0:TCTGCAAG+GCTGCACT
GCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCT
TGAAGCATCCCGACCTTTCCTTGTAATAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATT
CTA

+

```

FFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

@A00721:190:HGJW7DSXY:4:2672:20048:30577_1:N:0:TCTGCAAG+GCTGCACT
TCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAA
GATCTAAATTCGGAACGGTGCCTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCT
GAT

+

FF
FFFFFFF:,FF
FFF

@A00721:190:HGJW7DSXY:4:2314:28510:16360_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTCTGACTTGACCATCTTTTATTTTAAATGACGATCATTAAAGACTCTCTTTCTTCTTTGTT
TCCTTCTTTGCACTGATTTTTCCTCATCAGCTTGTGTTTTACCTAATC

+

FF
FF::FF
FFF

@A00721:190:HGJW7DSXY:4:2606:28962:27477_2:N:0:TCTGCAAG+GCTGCACT
GATAACAACATCAGTTGATTAAGACTCTTCCGAAAGTCGAACCTTGGGACTTTGAAGCTCAGGGTGA
AGCACAACCTTTTGACCGTGACGAACGAGGTGTTCTTGATCTACGTTA

+

,::FF,FFF:FF
F,F:FFF:, ,FFFFFF,FFF:, ,FFFFFF,F,FF,FFF,::F,::F,FFF:FFFFF,FF:
F,F:FFF:, ,FFFFFF,FFF:, ,FFFFFF,F:, ,FFFFFF,FF,FF:FFFF

@A00721:190:HGJW7DSXY:4:1449:31711:25786_1:N:0:TCTGCAAG+GCTGCACT
TATTTTAAAGTTTGTCTTCTTGTGTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTA
ACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGG
GCA

+

FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2278:18521:25864_1:N:0:TCTGCAAG+GCTGCACT
TGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTTTTAATGCTTAACAACAATGATA
GTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCT
ATT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1401:8892:7467_1:N:0:TCTGCAAG+GCTGCACT
GGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACG
TGCTAAATTAAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCCTA
CTT

+

FFFFF:FFFFF:FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2536:2889:6151_2:N:0:TCTGCAAG+GCTGCACT
AATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTT
CAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTAC

+

FF
FFFF:FF
F

@A00721:190:HGJW7DSXY:4:1515:27145:2785_2:N:0:TCTGCAAG+GCTGCACT
GAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCT
TTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACG

+

FF
FFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:2329:1814:12461_1:N:0:TCTGCAAG+GCTGCACT
CTTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTAGAGTGTTATTTATT
CTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGC
ACT
+
FFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1535:28257:1673_1:N:0:TCTGCAAG+GCTGCACT
CTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATAA
TATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTCTA
CTA
+
FFF:FF:FFFFFFFFFFFFFF
FF:FF:FFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2622:24144:11678_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTAACTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTAT
TACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCA
TCG
+
FFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2521:21377:14685_2:N:0:TCTGCAAG+GCTGCACT
CACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACT
TCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCT
+
FFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFF
FFFFFF,FFFFFFFFFFFFFFFFFFFFFF:,F:FFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1347:1859:19335_2:N:0:TCTGCAAG+GCTGCACT
AGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTCCACTCTGGCCTTGTATGAGGGTGT
TCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAG
+
FF
FFF:FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1325:2121:26146_2:N:0:TCTGCAAG+GCTGCACT
GCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTA
AAGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2359:31024:23156_1:N:0:TCTGCAAG+GCTGCACT
CTCTACCGCATTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATC
GCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAA
ATA
+
FFFFF::FF,FFFFF:,FFFFF,FFF:FFFFF,FFFFF,FFFFFFFFFFFF:FFF:FFFFF
::FFFFF:FFFF,FFFFFFFFF:FFF:FF,FFFFFFFFFFFFFFFF,FFF,FFFFF,FF:F
FF:
@A00721:190:HGJW7DSXY:4:2204:29378:9815_2:N:0:TCTGCAAG+GCTGCACT
AGACGTTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGCGA

CCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F000:F00000000000
```

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

+

```
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

 $+$

```
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFF:FFF:FFFFFFF
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
:FF
```

+

[illegible]

+

```
F,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFF  
E:FF..FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

```
FFFF,FF,FFFF:FFF,:FF:FF:F,F,FFFFF,F:F:,FFF:F:FFF,FF:FFFFFFFF::FFFF,F:
FFF:F:FFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,F:FFFFF:F:,FFFFFF
:F:
```

+

[illegible]

@A00721:190:HGJW7DSXY:4:2603:28429:25989_2:N:0:TCTGCAAG+GCTGCACT
TAATATTCAACCTCAAAAAGTTACGTGTTTACAGTAACGAGATCACACATTTTGAGAACTAACTATGTT
ATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAA

+

FFFFFFFFF,FFFFFFFFF:FFFFFFFFF,FFFFFFFFF,FFFFF,F,F,FF,FFFFFFFF:FF
FFFFFFFF:FFFFFFFF::FFFF:FF::FFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1602:2645:9298_1:N:0:TCTGCAAG+GCTGCACT
AATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTTTGGATTACGATGACGTGA
GAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCA
CCC

+

F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2521:4779:23923_1:N:0:TCTGCAAG+GCTGCACT
ACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAG
GACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAGATA
TCG

+

FFFFFFFFF:FFFF:F:FF:F,FFFFFFFF::F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2117:5692:30420_1:N:0:TCTGCAAG+GCTGCACT
CCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAA
TTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATT
GGT

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2327:17409:20682_2:N:0:TCTGCAAG+GCTGCACT
TGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCC
AGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGGA

+

FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFF:FF:FFFFF,FF,FFFFFFFF,FF,FF:FFF,FFF
FFF,FFFFFFFF:FFFF:,FFF::FFFFFFFFFFFFFFFF,FFF:,F,FF

@A00721:190:HGJW7DSXY:4:1276:2944:17143_2:N:0:TCTGCAAG+GCTGCACT
AAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGC
GTTCTGAGAACCAAGTACTTTCGTCTGAAGAGTTTAGAGCTGCTATT

+

FFFFFFFFF::FF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1125:15049:22200_2:N:0:TCTGCAAG+GCTGCACT
TGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTA
CGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAA

+

FF
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2138:14841:25661_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACT
CTA

+

FFFFFFFFF:FFFF:F:FF::FFFFFFFF,FFFF:FFFFF:FFFFFFFFFFFF,FFFFFFFF,FF,FF

```

:FF
:FF
@A00721:190:HGJW7DSXY:4:1131:8730:13761_2:N:0:TCTGCAAG+GCTGCACT
ATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTA
CGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2151:1127:17910_1:N:0:TCTGCAAG+GCTGCACT
ATCTCAACTTGTATAACGTTTTTTTTCTTACCTTAACCTAATACACTTCGATAACATCCGCACACGAC
TCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTC
+
FF:F,F,,,,F,FFF,,,,,,,,:F,,FF,,F,,,,F,F,F,:F,,,,,,F,F,,F,:,,,::FFFFF
FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2570:8305:16407_1:N:0:TCTGCAAG+GCTGCACT
TAACCTTCTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTA
TCTCTTATGTACTTATTGTAACGATCATTCTTTCGAGTTTGTCTATTCTTATTCTTTTATTCTTTAA
CTG
+
FFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,F
FFF
@A00721:190:HGJW7DSXY:4:1612:22372:1031_2:N:0:TCTGCAAG+GCTGCACT
ATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGAC
TCCGAAAATGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC
+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1102:13892:14278_1:N:0:TCTGCAAG+GCTGCACT
TACCACTGATCTGCCGACTTTAGTCAAGGAACCTTCAATTCCTTCGATGTTTATATTTTCTATAAGGG
AAAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGG
TGT
+
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFFF:FFF:FFFFFFFFF::FFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1105:1199:6511_1:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGAAGAGGTCTATGATATTTATTTTACTTA
TAC
+
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FF
@A00721:190:HGJW7DSXY:4:1627:17445:22968_2:N:0:TCTGCAAG+GCTGCACT
CCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGT
GAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2404:12753:4977_1:N:0:TCTGCAAG+GCTGCACT
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAACTTCAAGTACCTGAACCTTT
ACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTAT
TCC

```

```

+
::FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2248:19361:10692_1:N:0:TCTGCAAG+GCTGCACT
GGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAATTT
TAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCC
TTT
+
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF::FFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2333:2311:6308_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATTGCTTACACAAAAGTGACGCGCAAGGACTCTTAATTGATTGAAGCTAGGCGTTGGGGAGA
ATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:F
@A00721:190:HGJW7DSXY:4:2565:4562:36041_1:N:0:TCTGCAAG+GCTGCACT
CTACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGG
CAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATC
TGC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
,FF
@A00721:190:HGJW7DSXY:4:2553:12825:34976_1:N:0:TCTGCAAG+GCTGCACT
CTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACC
GAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTCTGTGGGAAGTGAAGCAGTACCTCAGTCAAA
AGT
+
FFFFFFFFF:F:FFFFFFFF:FFFF,FF,FFFFFFFF,FFFFFF:,F,FFF,FFF:, ,FF,FFFFFF
F,FFFF,:F:FFFF,FFFF::FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:F:FFFFFFF:,FFF
FFF
@A00721:190:HGJW7DSXY:4:1451:30255:25394_2:N:0:TCTGCAAG+GCTGCACT
ACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGG
AGGTAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2605:27615:16313_1:N:0:TCTGCAAG+GCTGCACT
CTTCTGACCAGAATGAAAAGGGGTTTCCCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTC
CCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCT
GAA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFF,:FFFFFFFF:FFFFFFFF:FFFF:FFF:FFFF
F,:F,FF:F::F,FFF:F,FF:,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:F,FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1431:12617:10848_2:N:0:TCTGCAAG+GCTGCACT
CCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAA
GGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCC
+
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```


@A00721:190:HGJW7DSXY:4:2104:17734:4398_2:N:0:TCTGCAAG+GCTGCACT
TCCTTTTGTAGTATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACT
TACCATATTGTTCTTCCGGAAGTTGTGGGATTTAACTTTGACTCAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1452:5195:36949_2:N:0:TCTGCAAG+GCTGCACT
TGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAAT
ATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1375:7157:22028_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAACCTATCGTTGTCTGACCTTACAAGTTGAGGAGACTTTACAGCGG
CTTATTGTGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1366:14190:20306_2:N:0:TCTGCAAG+GCTGCACT
GATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAAACCTTGAATGGAGTACA
TATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2211:28836:17425_1:N:0:TCTGCAAG+GCTGCACT
GATTGGGAACGTACCTACTCACGAGACGTATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTG
TTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCT
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2253:31620:6057_2:N:0:TCTGCAAG+GCTGCACT
TATGTCATTTCTGCTTAGTTTGTCCCGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTT
GACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGAT

+

FFFFFFFFF:FFF,FFFFFFFFFFFFFFFFF
FFFFF:FFF:

@A00721:190:HGJW7DSXY:4:1125:16459:8265_2:N:0:TCTGCAAG+GCTGCACT
GATTTTATCTTTCTTCAAACACCCTGTTTTCCTTAAGGGCGGACAATTGTTCCATTGTGAACCTTGG
GGACTAGATTGAGCATTAATGAGTTCCGAATAACTCGTAATAAATCTT

+

FF,FFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1547:21721:8766_2:N:0:TCTGCAAG+GCTGCACT
AAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATA
AAAATTTTCTCAAGAGATTATGTTGATAAAGTTTTCTTCATAAGGG

+

F:FFF:FFFFFFFFFFFFFFFFF
FFF,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1247:3260:33880_2:N:0:TCTGCAAG+GCTGCACT
GTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAA

CAGTGCAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTCA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2444:8793:30279_1:N:0:TCTGCAAG+GCTGCACT
AGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACG
TTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGA
TTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2326:14796:28494_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTATAGGTTTAGTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAA
AAT
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FF
:FF
@A00721:190:HGJW7DSXY:4:2109:23330:16595_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
AGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAAC
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF:
@A00721:190:HGJW7DSXY:4:2431:15284:22701_1:N:0:TCTGCAAG+GCTGCACT
TCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGG
TTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
GAA
+
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1463:7609:17581_2:N:0:TCTGCAAG+GCTGCACT
TTTTCTCTACCCATAACTTCTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCA
GTCGTTTCAACACTTATCACCCTTTTCAAAGGAAAATAATTGGTGAT
+
FF
FFFFFFFFF:FFFFFFFFFFFFFFFF,FFF,FF:FFFFFF:FFF:F
@A00721:190:HGJW7DSXY:4:1325:30635:3881_1:N:0:TCTGCAAG+GCTGCACT
GGGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTC
TTAAGTAATTTGGATGTTGTCGAAAACCTATCAGGTTCTTGTACGATTCTTAAAAGAAGTTTATTAAA
ACT
+
:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2546:26928:24893_1:N:0:TCTGCAAG+GCTGCACT
GGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGTAGAGGAGTTGA
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGAGTGGCTAGGTTTTA
AAA
+
FFFFFFFFFFFFFFFFF:FFFFFFFF:FF

FF
F:F

@A00721:190:HGJW7DSXY:4:1314:3685:14920_1:N:0:TCTGCAAG+GCTGCACT
CATACGAGATCTTGACAGAGTGGAGTTTCAGACGTGTGCTCTTCCGATCTTGAAGATTTCCACACT
GTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGATGG
CTC

+
FFFFFF,FF,FF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1646:18882:12931_1:N:0:TCTGCAAG+GCTGCACT
ACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGG
TATGTGTCACCTCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTATTGTCGTTGACG
TC

+
F:FFFFF,FFFF,FFFF:FF:F:F:FFF:FFF:FFFFF:FFFF,FFFFFFFF,F,,FFF,: ,FF:FF
FFFFF,FF,: ,F:FFFFFFFFFFFFFFFFF,: :FFFF,FFFFF:FFF:FF:FF,FF,FF:F,FFFFFF
FF

@A00721:190:HGJW7DSXY:4:2476:12744:33144_2:N:0:TCTGCAAG+GCTGCACT
AAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTAAATTTAGGTCGACGGACTTTAGCAAC
TTAGATAAATTCTTCCGGGCTCAATGACCTTTGCTATGTACGTGGA

+
FFFFFFFFFFFFF:F::FFFFFFFF:FF
FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FF:FF

@A00721:190:HGJW7DSXY:4:1677:13702:2832_1:N:0:TCTGCAAG+GCTGCACT
CCAAATTTAGCACTTTTTGAATATGGCAGAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTACCTTTTGAGGTCCAGGAACCTTTACTCCTAGTG
TCT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1546:8748:8375_1:N:0:TCTGCAAG+GCTGCACT
ACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGA
TGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTT
TCT

+
FF,FFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1253:7916:18364_2:N:0:TCTGCAAG+GCTGCACT
AATGATACTGACGAAGGTTCTATTACCACCCTTGTCAATTGATACAAACATTCTAGGTGATGCTTTCTT
AGAGGCTCGTCTAGCCGCTGAGATTCGTCTTACCTATTTACAATCTGT

+
FFFFFFFFFFF,FF:FFFFFFFFFFFFFFFF
FF:FFF

@A00721:190:HGJW7DSXY:4:1403:30861:33489_2:N:0:TCTGCAAG+GCTGCACT
TCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACAT
TGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCC

+
FF
FF:F

@A00721:190:HGJW7DSXY:4:1522:11406:32737_2:N:0:TCTGCAAG+GCTGCACT
GCTAAAGCCTGTCCAGTTGTGATGATGTTTCGGGCTGTGGGGATTAACTCCCTCGTGAAACTTACGA

CGATGTTCTCGCTCGCATTTTACAAGGATTACTAAGTCTGAGATCTGC
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:
@A00721:190:HGJW7DSXY:4:2311:15899:4131_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATT
ATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGA
+
FFFFFFF:FFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF
FFFFFF,:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2275:19985:17503_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAATTAGAGAAAGACGACCTTCTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGA
TGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACAGATCGGAAGAG
+
FFFFFFFFFFFFFFFF:FF
FF:FFF
@A00721:190:HGJW7DSXY:4:1462:12102:35321_1:N:0:TCTGCAAG+GCTGCACT
GTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGAGAAAAGTAT
ATGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCC
AGA
+
FFFFFFFFFFFFFFFF:FF:F:FFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2577:5773:4664_1:N:0:TCTGCAAG+GCTGCACT
TTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAA
ACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGCAACATGGATCAGTTTCCAAAAGCTATT
AAT
+
FF:FFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
:F:
@A00721:190:HGJW7DSXY:4:2447:20799:24017_2:N:0:TCTGCAAG+GCTGCACT
GAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCGAAGGTTCAAGTCGATTGATTTTGTGACTA
CGATCTCTCTTGAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGG
+
FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2239:29396:6402_2:N:0:TCTGCAAG+GCTGCACT
ACCACTGAACCTATAGCGACTTTTGTGCAATTTTTCGAAAAGGTCTTGAAGTACGTATTGTCACTGC
TAATCGTAATTCGCGAGAAGAGATAGTGAATAAGTTTTGGCACTTCT
+
FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2513:5819:36245_1:N:0:TCTGCAAG+GCTGCACT
TTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCA
TGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGT
CAG
+
FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2363:14823:36338_2:N:0:TCTGCAAG+GCTGCACT
CATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTAT

TGATCTCCAAGTCGCAAACACTACTTCAACATCAACGACATCATTCTTGA
+
FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2657:7283:23218_1:N:0:TCTGCAAG+GCTGCACT
TTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAA
AAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGAC
TTC
+
FFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2417:6153:20290_2:N:0:TCTGCAAG+GCTGCACT
CAAAGTCCTTGGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAGGTAATA
CTTACCAGCACGTTGCGCTGGTTAGAATTAACCTCAAGATGACCTG
+
FF
FF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2577:11017:24330_2:N:0:TCTGCAAG+GCTGCACT
ACGTTGAATCTTTACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAAT
CACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAACC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2560:24695:4930_1:N:0:TCTGCAAG+GCTGCACT
TATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGAT
CTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACCACCTTAACGTCATC
GGT
+
FF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1529:4101:30765_2:N:0:TCTGCAAG+GCTGCACT
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTT
AGCTGTATCATCAGTCAGAGTATACCCGATAGGTTACCGAGTCTCCAA
+
FF:
FFFFFFFFF:FFF:FFFFFFFFF:FFFFFFFFF:FFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2319:1298:23563_1:N:0:TCTGCAAG+GCTGCACT
CAACGGAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGT
TTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGA
TTG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2529:27968:20525_2:N:0:TCTGCAAG+GCTGCACT
CTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTAT
TTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAAACTTGATGCTTCA
+
FF
FFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2434:8829:12712_2:N:0:TCTGCAAG+GCTGCACT
CCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGA

+

@A00721:190:HGJW7DSXY:4:2443:9082:33880_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1106:19642:35415_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2261:3233:28917_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2443:17372:35618 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2422:23430:16297 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2343:14922:27868 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1144:23375:20713_2:N:0:TCTGCAAG+GCTGCACT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1610:27154:26788_1:N:0:TCTGCAAG+GCTGCACT
TATTTTAAGTTTTGTCTTCCTTGTGTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTA
ACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGG
GCA

+

FFFFFF,FFF,FF
FFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2641:18005:16329_1:N:0:TCTGCAAG+GCTGCACT
TGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATA
GTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCT
ATT

+

FF
FFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2327:28375:8453_1:N:0:TCTGCAAG+GCTGCACT
GGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACG
TGCTAAATTAAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCCTA
CTT

+

:FF
:FF
FFF

@A00721:190:HGJW7DSXY:4:1339:5520:36354_2:N:0:TCTGCAAG+GCTGCACT
ATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTC
AATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACG

+

FFF:F:FFFFFFFFFFFFFFFF,FF:FFFFFF,:FFFF:FF:FFFFFFFFFFFFFF:FFFFFFFFFFFFF:,FF
FF

@A00721:190:HGJW7DSXY:4:1569:3558:3803_2:N:0:TCTGCAAG+GCTGCACT
GAAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCT
TTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACG

+

FFFFFFFFFFFFFFFF,FF
FF
FFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2529:21395:22044_1:N:0:TCTGCAAG+GCTGCACT
CTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATT
CTGGTGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGC
ACT

+

FFF:FFFFFFFF,FFF
FFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1536:8513:2394_1:N:0:TCTGCAAG+GCTGCACT
CTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAA
TATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTTA
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2511:6569:19476_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTCCGATCTAACTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATT

FFF:FFFF,FFFFFFFFFF:FF:FF,FFF:FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2152:25319:22075_1:N:0:TCTGCAAG+GCTGCACT
TTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTCTGATTTAGGTGGTCTTTATTATATTATT
GATTTTTATTATATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGATTCATTCCGT
AAC

+

FF:FFFF:,F,FF,,FFFF,FFFF:,FFFF:FFFF:FFF::F,,,FF,,,,FFFF:FF,F,F::FFF:
,:FFFF,F,,F,:FF:FFF,FFFFFFFFFF,FFFFFF,F:,,:FF,FFFF:FFFF,,,,FF,F,,,F,
:::

@A00721:190:HGJW7DSXY:4:2517:10004:25708_2:N:0:TCTGCAAG+GCTGCACT
ATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAATCC
TACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTT

+

FF
F:FF:FFFFFFFFFFFFFFFFFFFF:F:FFFF::FFFFFFFF:FF:FFF

@A00721:190:HGJW7DSXY:4:1255:1814:31626_1:N:0:TCTGCAAG+GCTGCACT
TTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGG
GATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2325:19180:22091_1:N:0:TCTGCAAG+GCTGCACT
GTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTATTAAGGTGAGGAGACC
ATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTG
TAG

+

FFFFFFFFF,:FF,F:FF:FFFFFFFF:F:FF,F:FFFFFFFF:FFFFFF:F,FFFF,FFFFFFFFFFFFF
FFFFF,FF:FFFF,FFFFFF:FFFFFFFF:FFF:F:FFF:FFFFFFFF:FFFFFF,FFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2528:16947:33536_2:N:0:TCTGCAAG+GCTGCACT
GAGATCACACATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAAT
AAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGT

+

FFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF::FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2676:15808:11522_2:N:0:TCTGCAAG+GCTGCACT
TACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAA
TCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGA

+

FFFFFFFFFFFFFFFFFFFFF,FFF
FF

@A00721:190:HGJW7DSXY:4:2212:13693:13933_1:N:0:TCTGCAAG+GCTGCACT
CCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAA
TTCTTTTGATACAACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACAGATT
GGT

+

FF:F
FF
FFF

@A00721:190:HGJW7DSXY:4:2665:9742:6652_2:N:0:TCTGCAAG+GCTGCACT
TGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCC

$+$

+

+

+

+

+

+

 $+$ $+$

.....

+
FFFFF:FF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2344:17553:28761_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1570:6795:13917_2:N:0:TCTGCAAG+GCTGCACT
AATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCG
CTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCAATTAAGGGTAGCTGTA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF,FFFFFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:1623:31051:34006_1:N:0:TCTGCAAG+GCTGCACT
CCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAA
TTCGTCACAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGG
AAA
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1657:25889:33489_1:N:0:TCTGCAAG+GCTGCACT
TCTTGACAGAGTACTGGAGTTCAGACGTGTGCTCTTCCGATCTTTTATCCGCGCTTAAGTATGGGGC
GAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCA
CCC
+
FF:FFFFFFFFF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2174:32416:6151_2:N:0:TCTGCAAG+GCTGCACT
TTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGACTGATG
AGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTGTATATTC
+
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1577:28890:14638_1:N:0:TCTGCAAG+GCTGCACT
AACCTCTCTTTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCACATATGGTAGACGTTGTCACACT
TTTCTTGAAAATTTTCTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGG
GT
+
FF:FF,:FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:
FF:FFFF:FFFFF:FFFFFFFFFFFFFFFF:FFFF
FF
@A00721:190:HGJW7DSXY:4:2251:4797:18662_2:N:0:TCTGCAAG+GCTGCACT
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2342:26802:27555_2:N:0:TCTGCAAG+GCTGCACT
AAGGAAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCT

CACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
+
FF
FF:F
@A00721:190:HGJW7DSXY:4:1623:18539:23015_1:N:0:TCTGCAAG+GCTGCACT
CTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAG
AGCCAGCAAGAGAAGCTTATATGCTGGTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACAT
TAA
+
FFFFFFFFFFF:F:FFFFFFFFF:F::FF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2446:1561:32659_2:N:0:TCTGCAAG+GCTGCACT
AGGTCCTTTTGAGTATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTA
ACTTACCATATTGTTCTTCCGGAAGTTGTGGGATTTAACTTTGACT
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:FFF,FFFF:FFFFFFFFFFFFFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:1504:31593:25332_2:N:0:TCTGCAAG+GCTGCACT
TGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAAT
ATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGATCGG
+
FFF:FFFFFFFFFFFFFFFF
FF,FFFFFFFFF,FF:FFFF:FFFFFFFFFFFFFFFFF:F:FF
@A00721:190:HGJW7DSXY:4:1514:10393:36432_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGGTTGAGGAGACTTTACAGCGG
CTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC
+
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFF::FFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFFF:FFFFF,FFFF:FFFF:FFFFF:FF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1446:2401:26819_2:N:0:TCTGCAAG+GCTGCACT
GATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAAACCTTGAATGGAGTACA
TATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTC
+
FF
FFF
@A00721:190:HGJW7DSXY:4:2616:19289:23594_1:N:0:TCTGCAAG+GCTGCACT
GATTGGGAACGTACCTACTCACGAGACGTACGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTG
TTACAAGAACGCTTTGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCT
CTC
+
FFFFFFFFFFF:FFFF,FFF:FF
FFFFFFFFFFF:FFF:
FFF
@A00721:190:HGJW7DSXY:4:2348:19334:15969_2:N:0:TCTGCAAG+GCTGCACT
TATGTCATGTCGTCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCT
GACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGAT
+
FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFF:
@A00721:190:HGJW7DSXY:4:1166:20555:19930_2:N:0:TCTGCAAG+GCTGCACT
GATTTTATCTTTCTTCAAACACCCTGTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTTGG

GGACTAGATTGAGCATTAATGAGTTCCGAATAACTCGTAATAAATCTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1626:3323:6308_2:N:0:TCTGCAAG+GCTGCACT
AAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTTCCTCAATA
AAAATTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGG
+
FFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1367:1877:11036_2:N:0:TCTGCAAG+GCTGCACT
GTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAA
CAGTGCGAGTATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTCA
+
FF,FFFFFFFFFFFFFFFF:
FF:FF
@A00721:190:HGJW7DSXY:4:2469:17119:28886_1:N:0:TCTGCAAG+GCTGCACT
AGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACG
TTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTGCTTCTGCGTTACTGAGAGAAAAGA
TTC
+
FFF,FF
FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2425:7581:30530_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTGGTTTAGTGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAA
AAT
+
FFFF,FFFFF,:F:FF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2176:13838:34444_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
AGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAAC
+
FF:FFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1208:2220:12759_2:N:0:TCTGCAAG+GCTGCACT
CCCGGATGTGGATTGAAGGCTGGCTCTAAGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGT
TGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGA
+
FFFFFF:FF:FFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1623:28113:13103_2:N:0:TCTGCAAG+GCTGCACT
TTTTCTCTACCCATAACTTCTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCA
GTCGTTTCAACACTTATCACCCTTTTGAAGGAAAATAATTGGTGAT
+
FF
FFFFFFFFFFFFF:F:, :FF::FFF,FFFFFFFF:F:FFF:FF,FFFF::F
@A00721:190:HGJW7DSXY:4:1326:16821:10989_1:N:0:TCTGCAAG+GCTGCACT
GGGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTC
TTAAGTAATTTGGATGTTGTGCGAAAACATCAGGTTCTTGTACGATTCTTAAAAGAAGTTTATTTAA
ACT

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2602:31629:13213_1:N:0:TCTGCAAG+GCTGCACT
GGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGTAGAGGAGTTGA
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTA
AAA
+
FFF,F,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1649:10393:6903_1:N:0:TCTGCAAG+GCTGCACT
CATACGAGATCTTGCAAGTACTGGAGTTCAGACGTGTGCTCTTCCGATCTTGAAGATTTCCACACT
GTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTATAAATCCTGATGG
CTC
+
FF:,F,,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1411:30463:10848_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTAT
GTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTG
+
FF
FFFFFFFF:FFF::FF:FFFFFFFFFFFF:FFF:FF,FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1617:6451:11130_1:N:0:TCTGCAAG+GCTGCACT
TTAGATAAATCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGGTGATCTGAA
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2126:30653:22514_1:N:0:TCTGCAAG+GCTGCACT
CCAAATTTAGCACTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGCGACATGCCAGTTAGAGT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTG
TCT
+
FFFFFFFFF,FFFF:FF,FFF::FFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1578:30138:26537_1:N:0:TCTGCAAG+GCTGCACT
ACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGA
TGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTT
TCT
+
:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1448:32334:8829_2:N:0:TCTGCAAG+GCTGCACT
AATGATACTGACGAAGGTTCTATTACCACCTTGTGATTGATACAAACATTCTAGGTGATGCTTTCTT
AGAGGCTCGTCTAGCCGCTGAGATTCGTCTTACCTATTTACAATCTGT
+

FFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1677:13232:5368_2:N:0:TCTGCAAG+GCTGCACT
TCTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACAT
TGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCC
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:1533:27923:3161_2:N:0:TCTGCAAG+GCTGCACT
GCTAAAGCCTGTCCAGTTGTTCGATGATGTTTCGGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGA
CGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGC
+
FFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2644:11234:22733_2:N:0:TCTGCAAG+GCTGCACT
AAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATT
ATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGA
+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,:FFF,FF:FFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2324:4788:36213_2:N:0:TCTGCAAG+GCTGCACT
GATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGA
TGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACAGATCGGAAGAG
+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1463:10095:3317_1:N:0:TCTGCAAG+GCTGCACT
GTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAGAAAAGTAT
ATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCC
AGA
+
FFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2171:25771:25582_1:N:0:TCTGCAAG+GCTGCACT
GTTTTCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAAAGTAA
TCCACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGTCTACGTA
CTG
+
FFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2635:31693:3709_2:N:0:TCTGCAAG+GCTGCACT
GAAGATCTTCGAGTGTTTTATAGTGAGTTATTCTTGCAGAGTTCAAGTCGATTGATTTTGTTGACTA
CGATCTCTTGTGTAATAAGAAGTTCTTCGAGTTGAATCTCCACCAGG
+
FFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFF:F::FFFFFFFFF,:FF
:FFF,F:F,FFFFFFFFF::FFFF,FFFFFFFFFFFFFFFFF:F:F,FF
@A00721:190:HGJW7DSXY:4:2317:28284:34006_2:N:0:TCTGCAAG+GCTGCACT
ACCACTGAAGTATAGCGACTTTTGTGCAATTTTTCGAAAAGGTCTTGAAGTACGTATTGTCACTGC
TAATCGTAATTTCGCGAGAAGAGATAGTGACTAAAGTTTTGGCACTTCT
+
FFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,:FFFFFFFF:F:FFF


```
F::F:FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F::F,FFFFFF
@A00721:190:HGJW7DSXY:4:1161:16685:15264_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCCGAACCTTTGGGAATTTGAAGCTCAGGGTGAAGCACAAACGTT
TGACCGTGACGAACTGTGGTGTCTTGTATCTACGTTACGGATATACTC
+
FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: :FFFFFFFF
FFFFF:FFFFF:FF:FFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1642:10764:2534_1:N:0:TCTGCAAG+GCTGCACT
TATTTTAAGTTTTGTCTTCTTGTGTTGCTTATTCTATTAATCACTCATTTTAGTGAGATTATTA AAA
ACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGG
GCA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2653:26702:35681_1:N:0:TCTGCAAG+GCTGCACT
TGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATA
GTGAATTTATACCTACAATCATTTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCT
ATT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2571:10104:36025_1:N:0:TCTGCAAG+GCTGCACT
GGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACG
TGCTAAATTAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCTAAGAATTGGTCCTA
CTT
+
FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1408:17517:31641_2:N:0:TCTGCAAG+GCTGCACT
ATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTC
AATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACG
+
FF,:F:FFFF:F:FFF,FFFFFFFF:FFFFFFFF:F,,FFF:FFFF:F,FFFFF,FFFF:FF:F,FF,,
FFFFFF:,FFF:FFFFFF,FFFFFFFF,F,F:FFF:,FFFF: :FFFF,
@A00721:190:HGJW7DSXY:4:2150:29713:19382_2:N:0:TCTGCAAG+GCTGCACT
GAAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCT
TTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTCCTACG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1319:20356:28322_1:N:0:TCTGCAAG+GCTGCACT
TTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGTAATTACTATAGTGTTATTTATTC
TGGTGGTGGTATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCA
CTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
::FFFFF:FF:FFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2107:27778:20760_1:N:0:TCTGCAAG+GCTGCACT
CTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTACTGGAAAACCCCTCGTCAATACTTTTCAATAA
```


@A00721:190:HGJW7DSXY:4:1676:24433:18474_2:N:0:TCTGCAAG+GCTGCACT
TATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATT
TAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTC

+

,FFF,FFFFFFFF:FF:FFFF:F:FFFFFF:FFFFFFFFFFFF::FFF:FFFFFFFF:F,FFFF
FFFFFFFFFFFFFFFF:FF:FFFFFFFF::FF:FFF,:FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1671:29017:17206_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTTTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC

+

FF:FF:FFFFFF:FF:FFFFFF:F::FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2209:13657:29904_1:N:0:TCTGCAAG+GCTGCACT
TTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTTCGTTTTTAGGTGGTCTTTATTCTATTATT
GATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCTTCCGT
AAC

+

FF:FFFFFFFF:FFFF::FFFF,FF,FFF:F
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1535:15754:19445_2:N:0:TCTGCAAG+GCTGCACT
TACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTT
TAACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTAC

+

FF,FFF:F
:FFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2311:19325:36746_1:N:0:TCTGCAAG+GCTGCACT
GATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCAATAATCG
CTGCATATTACGATTACACGGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTATTA
ACT

+

FFFFFFF:FFFF:FFFF,FFFFFF:F:FFF,FF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFF
FFFFFFFFFFFFFFFF:FFFFFF::FFF,FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFF,F:FFF
FFF

@A00721:190:HGJW7DSXY:4:1227:13847:10473_2:N:0:TCTGCAAG+GCTGCACT
TCACACATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAAT
AAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAAC

+

FF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2137:3974:3051_1:N:0:TCTGCAAG+GCTGCACT
CGATGACGTGAGAATAGGTGAAGGGATAGTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATC
TTAAAGCTTCACCCAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCT
AAT

+

FF
FF:FFFFFFFFFFFFFFFF:FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2431:32759:5682_1:N:0:TCTGCAAG+GCTGCACT
CCGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAA
TTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATT
GGT

+
FF
FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1120:25843:19100_1:N:0:TCTGCAAG+GCTGCACT
TGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCC
AGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGAT
AAA
+
FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1409:8187:15765_2:N:0:TCTGCAAG+GCTGCACT
AAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGC
GTTCGTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF:F
@A00721:190:HGJW7DSXY:4:1356:2175:23234_2:N:0:TCTGCAAG+GCTGCACT
TGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTA
CGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAA
+
F:FFFFFFFF:FFFFFF:FFFFFF:FFFF:F::FF:FFF,FFFFFFFFFFFFFFFF:FFFFFF
FFFF,:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFF:F:FFF
@A00721:190:HGJW7DSXY:4:2320:15691:8218_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACT
CTA
+
FF:FFFF
FF:FF:FFFF,F,FFF,:FF,FFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1372:3061:14998_2:N:0:TCTGCAAG+GCTGCACT
ATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTA
CGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2675:10818:32440_1:N:0:TCTGCAAG+GCTGCACT
GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCGTAATACACTAAGAGATCATCCGCAAACGACTC
GAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT
+
:F,F:,FF,,FF::,,FF,FF,,,F,F,,F::,,,F,::F,F,F,,,::,,F,F:::F:FFFFFF
FF
@A00721:190:HGJW7DSXY:4:1660:6225:13683_2:N:0:TCTGCAAG+GCTGCACT
CTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTA
TGTAATTATTGTAACGATCATTCTTTCGAGTTTTGTCAATTCTTATTCT
+
FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:2107:15013:3380_2:N:0:TCTGCAAG+GCTGCACT
ATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGAC
TCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC
+

@A00721:190:HGJW7DSXY:4:1517:14154:11600_1:N:0:TCTGCAAG+GCTGCACT
TACCACTGATCTGCCGACTTTAGTCAAGGATCTTCAATTCCTTCGATGTTTATATTTTTCTATAAGGG
AAAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGG
TGT

+

```
FFF,FFFF,FFFF,FFFFFFFF:,FF,,,F:,FFFF:F,F,FFF,F,FFFFFFFFF::,FFFF:FFFF,F
F:FFFF,:FFF,FF,: ,FFFFFFFFF::FFFF,FFFFFFFF:FFF:F:FFFF:F,F:,FFFFFFFF:FFF
:FF
```

@A00721:190:HGJW7DSXY:4:1249:16631:25222_1:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TAC

+

[illegible]

@A00721:190:HGJW7DSXY:4:2145:25012:35415_2:N:0:TCTGCAAG+GCTGCACT
CCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGT
GAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAAGTAAAAAG

+

```

FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F

```

@A00721:190:HGJW7DSXY:4:2623:29649:9064_1:N:0:TCTGCAAG+GCTGCACT
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAACTTCAAGTACCTGAACTTT
ACATTTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTAT
TCC

+

[illegible]

@A00721:190:HGJW7DSXY:4:2603:3314:12430_1:N:0:TCTGCAAG+GCTGCACT
GGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAATTT
TAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCATAGCTTTAGTATTATTTACTATCGCC
TTT

+

```
F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFF
FFF
```

@A00721:190:HGJW7DSXY:4:2573:6994:6120_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGA
ATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAG

+

```

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF

```

@A00721:190:HGJW7DSXY:4:2203:7057:16063_2:N:0:TCTGCAAG+GCTGCACT
TACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACTACCGCCGGTGGC
AGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2651:17490:33849_2:N:0:TCTGCAAG+GCTGCACT
TCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAG

$+$

@A00721:190:HGJW7DSXY:4:2337:32389:32722_1:N:0:TCTGCAAG+GCTGCACT
AACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATAC
AGTTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACG
AAG

+

@A00721:190:HGJW7DSXY:4:2374:20211:26850_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCAT

+

@A00721:190:HGJW7DSXY:4:1666:13241:18662_2:N:0:TCTGCAAG+GCTGCACT
AATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCG
CTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTA

+

@A00721:190:HGJW7DSXY:4:2169:15365:7404_1:N:0:TCTGCAAG+GCTGCACT
CCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAA
TTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGCTACTGGCGACAACTGAGAGCAGTCGCTGGGG
AAA

+

@A00721:190:HGJW7DSXY:4:1678:1262:33395_1:N:0:TCTGCAAG+GCTGCACT
TCTTGAGAGTGACTGGAGTTGAGACGTGTGCTCTTCCGATCTTTTATCCGCGCTTAAGTATGGGGC
GAAGATCCCCATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCA
CCC

+

@A00721:190:HGJW7DSXY:4:2206:22761:30514_2:N:0:TCTGCAAG+GCTGCACT
TTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGACTGATG
AGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTTATATTC

+

@A00721:190:HGJW7DSXY:4:1273:1416:36323_2:N:0:TCTGCAAG+GCTGCACT
TTTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCCCACATATGGTAGACGTTGTCACACTTTTCTTGA
AAATTTTTCCTTTCCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGG

+

@A00721:190:HGJW7DSXY:4:1616:19153:36980_2:N:0:TCTGCAAG+GCTGCACT
GGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAG

TTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTC
+
FF:FFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1507:27742:27680_1:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1642:7762:33035_1:N:0:TCTGCAAG+GCTGCACT
CTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTGTAGATAATCTTTTGAGAAGGGGTCATAG
AGCCAGCAAGAGAAGCTTATATGCTGGTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACAT
TAA
+
F,FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2621:5448:28714_2:N:0:TCTGCAAG+GCTGCACT
AGGTCCTTTTGAGTATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTA
ACTTACCATATTGTTCTTCCGGAAGTTGTGGGATTAACTTTGACT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1550:18168:29199_2:N:0:TCTGCAAG+GCTGCACT
TGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAAT
ATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1534:10050:27352_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAACCTATCGTTGTGCGTACCTTACAAGTTGAGGAGACTTTACAGCGG
CTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC
+
FFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1621:4001:6449_2:N:0:TCTGCAAG+GCTGCACT
GATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTTCATATCCAAAACCTCTTGAATGGAGTACA
TATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTC
+
FFFFF:FF
FF:FF
@A00721:190:HGJW7DSXY:4:1678:31593:20666_2:N:0:TCTGCAAG+GCTGCACT
GCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTC
AGTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGC
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
:FF:FFFFF:FFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2449:11948:15076_2:N:0:TCTGCAAG+GCTGCACT
TATGTCATTTCTGCTTAGTTTGTCCCGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTCT

GACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGAT
+
FF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1169:2392:3380_2:N:0:TCTGCAAG+GCTGCACT
GATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTTGG
GGACTAGATTGAGCATTAAATGAGTTCCGAATAACTCGTAATAAATCTT
+
FF:FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2374:14027:18239_2:N:0:TCTGCAAG+GCTGCACT
AAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATA
AAAATTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFF,FF:FFF::,FFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1445:19578:16266_2:N:0:TCTGCAAG+GCTGCACT
GTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAA
CAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTCA
+
FF
FFFFFFF,FF
@A00721:190:HGJW7DSXY:4:1201:17517:34710_1:N:0:TCTGCAAG+GCTGCACT
CCTAGAGAAGGTCGACGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATG
CTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAG
GAC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2425:7925:30780_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTATAGTTTAGTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAA
AAT
+
FFF:FF,:::,FF::FF::FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2323:26323:25222_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
AGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1272:9652:7968_2:N:0:TCTGCAAG+GCTGCACT
CCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGT
TGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGA
+
FFFFF:FF:FFF:FF
FFFF:FFFFFFFFFFFFFFFF,FFFF:F:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2212:10294:18850_2:N:0:TCTGCAAG+GCTGCACT
TTTTCTCTACCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCA
GTCGTTTCAACACTTATCACCCTTTTGAAGGAAAATAATTGGTGAT
+

@A00721:190:HGJW7DSXY:4:1221:1768:12696_2:N:0:TCTGCAAG+GCTGCACT
CCACTGAAC TTATAGCGACTTTTGT CGAATTTTCGCAAAGGTCTTGAAGTACGTATTGCTACTGCT
AATCGTAATTCGCGAGAAGAGCAGATCGGAAGAGCGTCGTGTAGGGAA

@A00721:190:HGJW7DSXY:4:2647:14036:27242_1:N:0:TCTGCAAG+GCTGCACT
CAACGGAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGT
TTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGA
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1506:32796:3333_2:N:0:TCTGCAAG+GCTGCACT
TAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATT
TTAAGCTCATGGTGAAGGAAGCTAAGGTTAACTTGATGCTTCAG

+

FF:FFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2660:4372:4773_2:N:0:TCTGCAAG+GCTGCACT
CCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGA
GATGACCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGG

+

FF
:FF

@A00721:190:HGJW7DSXY:4:1510:12364:13448_2:N:0:TCTGCAAG+GCTGCACT
TTCGATGCTGAATTTCTTGAACCTTGGAGTGCCAGTGAATATTTTTGTCACGCCAGGAGTATCCATAA
CGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAA

+

FFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1564:11677:26537_1:N:0:TCTGCAAG+GCTGCACT
TCTTGATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGT
CGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGG
ACA

+

FFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2369:3369:2566_1:N:0:TCTGCAAG+GCTGCACT
ATGTTACTCTTGTAGGACTTTGGGAGAGATTCTGTTAGTTTTAAAGACTATACTAAATATCTCCACTAC
GAGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTA
TTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2104:31593:34882_1:N:0:TCTGCAAG+GCTGCACT
CTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTT
GAAGCATCCCACCTTTCCTTGTGAAAATTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTC
TA

+

:FFF,FFFFF:FF:F,FF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
FF
FF

@A00721:190:HGJW7DSXY:4:1139:28212:3129_2:N:0:TCTGCAAG+GCTGCACT
CGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGG
TAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGT

+

FFFFFFFFFFFFFFFF,FF:FFFF
FFFFFFFF:FFFF:FFFFFFFFFFFF,FFFF,FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2535:20781:24737_2:N:0:TCTGCAAG+GCTGCACT
GATCAGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTCTTCTTTGTT
TCCTTCTTTGCACTGATTTTCTCATCAGCTTGTGTTTTACCTAATC
+
FF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:F,FF:FFF
@A00721:190:HGJW7DSXY:4:1202:14552:20118_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTGTT
TGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1673:28999:19304_1:N:0:TCTGCAAG+GCTGCACT
TATTTTAAGTTTTGTCTTCTTGTGTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTA
ACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGG
GCA
+
FFFF:FFFF,FF:FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2654:18059:35806_1:N:0:TCTGCAAG+GCTGCACT
TGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTTTTAATGCTTAACAACAATGATA
GTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCT
ATT
+
FF:FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2407:24080:21402_1:N:0:TCTGCAAG+GCTGCACT
GATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGTTAATTCTAAACATTACCCGAAAGACGT
GCTAAATTAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCCTAC
TT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF:FFFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF
FF
FF
@A00721:190:HGJW7DSXY:4:1440:21016:36824_2:N:0:TCTGCAAG+GCTGCACT
ATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTC
AATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACG
+
FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFF:FFFF:FF
@A00721:190:HGJW7DSXY:4:2343:23746:10081_2:N:0:TCTGCAAG+GCTGCACT
GAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCT
TTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1654:22661:24298_1:N:0:TCTGCAAG+GCTGCACT
TTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTC
TGGTGGTGTGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCA
CTT

+

@A00721:190:HGJW7DSXY:4:2125:15835:9126_2:N:0:TCTGCAAG+GCTGCACT
TATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATTT
TAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTC

+

@A00721:190:HGJW7DSXY:4:2102:3974:15421_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC

+

@A00721:190:HGJW7DSXY:4:2421:2257:27164_1:N:0:TCTGCAAG+GCTGCACT
TTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTCTTTTTAGGTGGTCTTTATTCTATTATT
GATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGT
AAC

+

@A00721:190:HGJW7DSXY:4:1622:28664:15718_2:N:0:TCTGCAAG+GCTGCACT
TACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTT
TAACCTACTTAGACTTTTCTACGATACAAATGATAACTTCTAATTTAC

+

@A00721:190:HGJW7DSXY:4:2425:6641:13933_1:N:0:TCTGCAAG+GCTGCACT
GATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATAATCG
CTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTCTGAGCCTCGACCCGATTATATGGTATTA
ACT

+

@A00721:190:HGJW7DSXY:4:1562:27624:23375_2:N:0:TCTGCAAG+GCTGCACT
TCACACATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAAT
AAATAAATAATATTACTAATGGCAAATAGTGGAAAGGCTCCAGTCAAC

+

@A00721:190:HGJW7DSXY:4:2319:13241:10739_1:N:0:TCTGCAAG+GCTGCACT
CGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATC
TTAAAGCTTCACCCAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCT
AAT

+

[illegible]

@A00721:190:HGJW7DSXY:4:2135:24433:21104_2:N:0:TCTGCAAG+GCTGCACT
ATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGAC
TCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC

+

FF
FFFFFFFF:FF:

@A00721:190:HGJW7DSXY:4:2601:19461:23735_1:N:0:TCTGCAAG+GCTGCACT
TACCACTGATCTGCCGACTTTAGTCAAGGAAC TTCAATTCCTTCGATGTTTATATTTTCTATAAGGG
AAAATAGCAATAATCAAATTTGACAAATTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGG
TGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1252:8784:33990_1:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTA
TAC

+

FFF:FF:,FF,F:FFFFFFFFF,FF:FFFFFFF,FF:FFFFFFF,FFFFFF:FFFFFFFFF:
FFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2145:8721:17597_2:N:0:TCTGCAAG+GCTGCACT
CCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGT
GAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAG

+

FF
FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2650:31340:27806_1:N:0:TCTGCAAG+GCTGCACT
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAAC TTT
ACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTAT
TCC

+

FFFFFFF::FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2632:9109:5118_1:N:0:TCTGCAAG+GCTGCACT
GGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTT
TAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTACTATCGCC
TTT

+

F,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2605:1551:7216_2:N:0:TCTGCAAG+GCTGCACT
AGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGA
ATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2245:25256:34021_2:N:0:TCTGCAAG+GCTGCACT
TACCATGACCAATCATCGCTCCAAC TGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGC
AGATCGGCACCACTGGTCTCTACGTT CAGGGACCCGCTGTGCAGAATA

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1435:31855:3740_2:N:0:TCTGCAAG+GCTGCACT
CACAGAAGAAGGCTGAAGGTCGTACCGGACGACCCTCAAAGGAAACGGGCTGTTGCCCAGAGGAAA
GCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATC
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFF:FF,FFFFFFFFFFFFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:1307:22191:29747_1:N:0:TCTGCAAG+GCTGCACT
CTGAGGCACTACCTCAGTCAAAAGTCACATTCACCACTCCCATAACCAATCAATGATGTGACTATACAG
TTCCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCCTCCGCTGGCACGAA
GAA
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2131:13169:2033_1:N:0:TCTGCAAG+GCTGCACT
CCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTTACCAGGGTAGTCTCTAAGTCTACCAGGAA
GAGGGGAAATGTCCCCAAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAAT
TAC
+
FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFF,
FF:
FFFF
@A00721:190:HGJW7DSXY:4:2276:1705:34601_2:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGA
AGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGC
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1562:9453:20494_1:N:0:TCTGCAAG+GCTGCACT
ATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCAC
TGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAA
TTG
+
FFFFF:FFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2153:24008:9126_1:N:0:TCTGCAAG+GCTGCACT
TCTTGCAAGTGAAGTTCAGACGTCGTCTTCCGATCTTTTTATCCGCGCTTAACCTATGGGGC
GAAGATCCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCA
CCC
+
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFF:
FF:
FFFFF:FFFFFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:2309:2013:15499_2:N:0:TCTGCAAG+GCTGCACT
TTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGACTGATG
AGGTTAAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTC
+
FFF:FFFFFF:,FFFF:F,FFFFFFFFFFFF::FF:F:FFFFFFF:,F,FFFFFFFFFFFFFFFF,,:FF
:F:FFFFFF:FFF,FF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:, :FFFF
@A00721:190:HGJW7DSXY:4:1421:23312:6449_2:N:0:TCTGCAAG+GCTGCACT
TTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCACATATGGGTAGACGTTGTCACACTTTTCTTGA

+

@A00721:190:HGJW7DSXY:4:1136:31629:35258_2:N:0:TCTGCAAG+GCTGCACT
CTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGG
GAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGT

+

@A00721:190:HGJW7DSXY:4:1601:18258:15671_1:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCTAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT

+

@A00721:190:HGJW7DSXY:4:2141:30011:7310_1:N:0:TCTGCAAG+GCTGCACT
CTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAATCTTTTGAGAAGGGGTCTAG
AGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACAT
TAA

+

@A00721:190:HGJW7DSXY:4:2357:25635:17801_2:N:0:TCTGCAAG+GCTGCACT
TCCTTTTGAGTATCGACAGATCTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACT
TACCATATTGTTCCCTTCCGGAAGTTGTGGGATTTAACTTTGACTCAA

+

@A00721:190:HGJW7DSXY:4:1568:7030:20118_2:N:0:TCTGCAAG+GCTGCACT
TGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAAT
ATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGATCGG

+

@A00721:190:HGJW7DSXY:4:1534:11930:27007_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGG
CTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC

+

@A00721:190:HGJW7DSXY:4:2119:32642:3317_2:N:0:TCTGCAAG+GCTGCACT
GATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACA
TATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTC

+

@A00721:190:HGJW7DSXY:4:2502:5891:27445_2:N:0:TCTGCAAG+GCTGCACT
GCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTC

AGTTGCGATAGCTGTAGAGGTATACGATATCTCTCATGATGATGTAGC
+
FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFF:F
:FFFFFF:FFFF,FFFF:FFFFFFFFF:FFF:,,,FFFFFFFF:F
@A00721:190:HGJW7DSXY:4:2449:24641:18270_2:N:0:TCTGCAAG+GCTGCACT
TATGTCATTTCTGCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGACATAACCGTTCCT
GACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGAT
+
FF
FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1670:32560:36620_2:N:0:TCTGCAAG+GCTGCACT
GATTTTATCTTTCTTCAAACACCCTGTTTTCCTTAAGGGCGGACAATTGTTCCATTGTGAACCTTGG
GGACTAGATTGAGCATTAATGAGTTCGAATAACTCGTAATAAATCTT
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFF
FFFFFFFFFFFFFFFF:FFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2529:10095:35978_2:N:0:TCTGCAAG+GCTGCACT
AAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTCGTTCTCAATA
AAAATTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGG
+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1467:23538:35806_2:N:0:TCTGCAAG+GCTGCACT
GTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAA
CAGTGCGAGTATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTCA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1343:24758:24079_1:N:0:TCTGCAAG+GCTGCACT
CCTAGAGAAGGTCGAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATG
CTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAG
GAC
+
F:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2459:31150:5588_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTtaggTTTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAA
AAT
+
:FFFFF,FFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:F:FF
:FF
@A00721:190:HGJW7DSXY:4:2459:27407:14920_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCA
AGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAAT
+
FFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF:FF
@A00721:190:HGJW7DSXY:4:1139:15347:34334_2:N:0:TCTGCAAG+GCTGCACT
CCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTT
GAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGAT
+

FF:F::FFF
FF
@A00721:190:HGJW7DSXY:4:2463:6334:12649_2:N:0:TCTGCAAG+GCTGCACT
TTTTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCA
GTCGTTTCAACACTTATCACCACCTTTTGAAAGGAAAATAATTGGTGAT
+
FFFFFFFFFFFFFF:FFFFFF,::FFF:FFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,,F:FFFFFFFFFFFFFF,F,FFF:
@A00721:190:HGJW7DSXY:4:1565:5159:36041_1:N:0:TCTGCAAG+GCTGCACT
GGGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTC
TTAAGTAATTTGGATGTTGTGCGAAACTATCAGGTTCTTGTACGATTCTTAAAAGAAGTTTATTAAA
ACT
+
FFFFFFFFFFFF:FFFF:FFFF,FF:FFFFFFFFFFFFFF,FFFFFFFF:FF:FFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
,FF
@A00721:190:HGJW7DSXY:4:2264:15899:28369_1:N:0:TCTGCAAG+GCTGCACT
GTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGTAGAGGAGTTGAG
AGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAA
AA
+
FFF:FF:FFFF,FFFF:FFFF,FF:FFF,FFFFFF,FFFF,FFFFFFFF:FF:FF:FF,F,FFFF
FF::FFFFFFFFFFFFFFFF:FF::FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF
FF
@A00721:190:HGJW7DSXY:4:1334:5186:36996_2:N:0:TCTGCAAG+GCTGCACT
AATACCTTCCACTGAGTTCATCACCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACACTG
TTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2270:27010:25191_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTT
TGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTACACTCGAAATATGG
GCC
+
FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF:FF:FFFF
FFFF:FF
:FF
@A00721:190:HGJW7DSXY:4:1635:5421:36307_1:N:0:TCTGCAAG+GCTGCACT
TTAGATAAATTCTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGGTGATCTGAA
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCA
+
FF
FF:FFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2338:22200:12571_1:N:0:TCTGCAAG+GCTGCACT
CCATATTTATCACTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTATTG
TCT
+
::,,,FF:F,F,,, :FFFFFFFF:,, :FFF:F:FFF,FFFFFFFF:F,:F,::FF:F,,,F,FF,F
F:FFFF,F::,F,, :FFFF:FF:F,FF:F:FF,FFF,FFFF::F:::F,FFF,FFF,FF,,FF,:F
F:F

FF
FFFFF:FF
@A00721:190:HGJW7DSXY:4:2648:23710:1438_1:N:0:TCTGCAAG+GCTGCACT
CAACGGAAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGT
TTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGA
TTG
+
:FFFFFFFFFFFFFFFFFFFF,FFFF:FF
FFFFFFFFFFFF,FFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2324:4634:6010_2:N:0:TCTGCAAG+GCTGCACT
TAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATT
TTAAGCTCATGGTGAAGGAAGCTAAGGTTAACTTGATGCTTCAG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1320:16288:5838_1:N:0:TCTGCAAG+GCTGCACT
CTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCAACATTTTTATGTATACAGAG
ATGACCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGG
TGA
+
FFFFF:FF
:FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1662:31828:32189_2:N:0:TCTGCAAG+GCTGCACT
TTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATTTTGTACGCCAGGAGTATCCATAA
CGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1666:17354:36370_1:N:0:TCTGCAAG+GCTGCACT
TCTTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTGT
CGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGG
ACA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2577:2166:33865_1:N:0:TCTGCAAG+GCTGCACT
ATGTTACTCTTGTAGGACTTTGGGAGAGATTTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTAC
GAGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATTCGATATTCGATTGAGGTCGTTATACCTA
TTC
+
FFFFF:F,FFFFF:,F,FFFFFFFFFFFF,F:F:FFFFF,FFFFF:FFFF,FFFFFFFF,,FFFF
FFF,FFFFFFFFFFFF:FFF::FF
,FF
@A00721:190:HGJW7DSXY:4:2532:14208:12978_1:N:0:TCTGCAAG+GCTGCACT
TTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTG
AAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCT
A
+
:FF:F:FFFFFFFF,F:FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F

@A00721:190:HGJW7DSXY:4:1310:18973:5979_2:N:0:TCTGCAAG+GCTGCACT
CGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGG
TAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1539:30038:25238_2:N:0:TCTGCAAG+GCTGCACT
AGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTCTTCTTTGTTTCCT
TCTTTCGACTGATTTTTCCTCATCAGCTTGTGTTTTACCTAATCTGTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1473:15664:26741_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTG
TGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2248:14931:26068_1:N:0:TCTGCAAG+GCTGCACT
TATTTTAAGTTTTGTCTTCTTGTGTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTA
ACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGG
GCA

+

FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1378:5647:4163_1:N:0:TCTGCAAG+GCTGCACT
CCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAA
TTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTAC
TCA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2407:24080:21433_1:N:0:TCTGCAAG+GCTGCACT
GATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGT
TCTAAATTAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCCTAC
TT

+

F,:FFF:F:FFF:FFF:F,:::FFF:FFFFFFFF:F:F,FF:FFFFFFFFFFFFFFFF:FFFFFFFF
,FFFFFFFFF,:::FFF:::FFF,:FFFFFFFFF,:::FFFF,:F,:::FFFFFF:FFFFFFFF:F
FF

@A00721:190:HGJW7DSXY:4:1544:1877:29074_2:N:0:TCTGCAAG+GCTGCACT
ATCTTCATGAGATCGTTTCTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTC
AATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACG

+

FF
FFFFF,FF:FF:FF:FFF

@A00721:190:HGJW7DSXY:4:2404:7157:25097_2:N:0:TCTGCAAG+GCTGCACT
GAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCT
TTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACG

+

FFFFFFF:FFFFFFF,FF
FFFF:FFFF:F:FFFFFFF,FFFFFFFF:FFFF,FFFFFFFFFFFFFF

[illegible][illegible]

+

[illegible] $+$ [illegible]

+

[illegible]

+

```

FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,F,FFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

+

[illegible]

+

[illegible]

$+$

@A00721:190:HGJW7DSXY:4:2310:5819:35086_2:N:0:TCTGCAAG+GCTGCACT
TATTTGGATGATCTTGATAAAGAACTTCATGAATTTT CAGAGGATGAAAAATTTTCTTCTTGATT
TAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTC

 $+$

@A00721:190:HGJW7DSXY:4:2166:6117:14090_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTTTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC

+

@A00721:190:HGJW7DSXY:4:2441:24587:27665_1:N:0:TCTGCAAG+GCTGCACT
TTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTCTTTTTAGGTGGTCTTTATTCTATTATT
GATTTTTATGAGATTGATACGTAAACAGAAGATGATGTTATAGTAGAATACCTGAAGAGTCCTTCCGT
AAC

+

@A00721:190:HGJW7DSXY:4:1658:4544:5321_2:N:0:TCTGCAAG+GCTGCACT
TACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGAAAATTTTATCCTCGTT
TAACCTACTTAGACTTTTCTACGATACAAATGATACTTCTAATTTAC

+

@A00721:190:HGJW7DSXY:4:2464:24370:35086_1:N:0:TCTGCAAG+GCTGCACT
GATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTATTA
ACT

+

@A00721:190:HGJW7DSXY:4:1626:1325:8578_2:N:0:TCTGCAAG+GCTGCACT
TCACACATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAAT
AAATAAATAATATTACTAATGGCAAATAGTGGAAAGGCTCCAGTCAAC

+

@A00721:190:HGJW7DSXY:4:1446:18430:1877_1:N:0:TCTGCAAG+GCTGCACT
GATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCT
TAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTA
AT

 $+$

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFF,FFFF:FF

FF:FF,:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1506:17354:36871_2:N:0:TCTGCAAG+GCTGCACT
CGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAAT
TCTTTTGATACAACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATAC

+
FF,FFFFFF
FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2412:2220:13166_2:N:0:TCTGCAAG+GCTGCACT
CCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTGTCGTTTAAAGACTGC
AGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGTTTT

+
FF:FFFFFFFFFFFF
FF:FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1519:12906:5337_2:N:0:TCTGCAAG+GCTGCACT
AAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGC
GTTCTGTAACAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATT

+
FF:FFFFFF:F
FF

@A00721:190:HGJW7DSXY:4:1478:2003:19398_2:N:0:TCTGCAAG+GCTGCACT
TGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTA
CGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAA

+
FF:FFFFFF:FFF:FFFFF
FF,FFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2367:30147:12023_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACT
CTA

+
FF,FFFFFFFFFFFFFFFF
FFFFFFFF:FF:FFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:2172:1615:30718_2:N:0:TCTGCAAG+GCTGCACT
ATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTA
CGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGT

+
FF:FFFFFFFFFFFFFFFF
FF:FFFFF

@A00721:190:HGJW7DSXY:4:2261:3314:34100_2:N:0:TCTGCAAG+GCTGCACT
CTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTC
GAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGA

+
FF:FFFFFFFFFFFFFFFF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2357:8368:30295_2:N:0:TCTGCAAG+GCTGCACT
CTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATAACCAAGTCTATCGAAGACATTATCTCTTA
TGTAATTATTGTAACGATCATTCTTTCGAGTTTTGTCATTCTTATTCT

+
FF:FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFF:FFF

@A00721:190:HGJW7DSXY:4:2206:21341:3286_2:N:0:TCTGCAAG+GCTGCACT
ATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGAC

TCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2638:2654:15671_1:N:0:TCTGCAAG+GCTGCACT
TACCACTGATCTGCCGACTTTAGTCAAGGAAGTTCAATTCCTTCGATGTTTATATTTTCTATAAGGG
AAAATAGCAATAATCAAATTTGACAAATTTAGAACTTTATTTTCTCAGAACTCTCTCCGATCACCTTGG
TGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1254:17987:33865_1:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2222:25708:32737_2:N:0:TCTGCAAG+GCTGCACT
CCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGT
GAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAG

+

FFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF,FF

@A00721:190:HGJW7DSXY:4:2205:14669:5729_2:N:0:TCTGCAAG+GCTGCACT
TATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACA
TTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCT

+

F:FFF,F:FF
FF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1144:27254:19257_2:N:0:TCTGCAAG+GCTGCACT
TCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCA
ATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATA

+

FFF:FF
FF:F:FFFFFFF

@A00721:190:HGJW7DSXY:4:2142:24587:12508_1:N:0:TCTGCAAG+GCTGCACT
ACTTAATTCATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCT
TACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATGAACTGCCG
CTT

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2263:18367:19335_2:N:0:TCTGCAAG+GCTGCACT
TACCATGACCAATCATCGCTCCAAGTGGCAGCGCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGC
AGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTGTGCAGAATA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1450:29957:9972_2:N:0:TCTGCAAG+GCTGCACT
CACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAA

GCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1344:6008:2347_1:N:0:TCTGCAAG+GCTGCACT
CTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAG
TTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGGAA
GAA

+

FFF:FF,:FFF,:F,FFFFFFF,:F:FFFFFFFFF:,,FFFFF,F:FFF,FF,FFFF,F,FFFFFF:
FFFFFFFFFFFF:,,FFFFFFFFFFFF,:FFFFFF:FF:FFFF:FFFF:FFF:FFFFFFFF,F,FFFF
FFF

@A00721:190:HGJW7DSXY:4:2329:2049:36292_1:N:0:TCTGCAAG+GCTGCACT
CCAATCAATAGTTCTTCTGAACAGATTGAATTGGGGTTTACCAGGGTAGTCTCTAAGTCTACGAGGAA
GAGGGGAAATGTGCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAAT
TAC

+

F,:FF:F,FFFFFFFF:FF:F,FFFF:,FFF,,FF,FF,FFFF:FFFF,FFFFFFFF,:FFF:F,F,FFF
:,:FF,FFFFFF,FFFFFFFF,,FFFFFF:FF,,::FF,:FFFFFFFFFFFFFF:FF:FFFFFF:FFFF:
::F

@A00721:190:HGJW7DSXY:4:1659:27091:10363_1:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGA
AGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAG
ACC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1608:14488:24330_2:N:0:TCTGCAAG+GCTGCACT
ACAGTAGGTTCTGTGCTACTATGAGCAAACTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATT

+

FF
FFFFFFFFFFFFFF:FFFF:F:FFFFFFFFFFFFFFFFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2153:24252:9486_1:N:0:TCTGCAAG+GCTGCACT
TCTTGCAAGTACTGGAGTTCAGACGTGTGCTCTTCCGATCTTTTATCCGCGCTTAAGTATGGGGC
GAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCA
CCC

+

FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2424:29324:18145_2:N:0:TCTGCAAG+GCTGCACT
TTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTGGCCAGAATGCGGGCTTTCTGACTGATG
AGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTC

+

FFFFFFFFF,FFFFFFFFFFFFFFFF:FFFF,FFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1619:12735:17440_2:N:0:TCTGCAAG+GCTGCACT
TTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCACATATGGTAGACGTTGTACACTTTTCTTGA
AAATTTTCTCTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1652:5032:31187_2:N:0:TCTGCAAG+GCTGCACT
CTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGG
GAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1670:25220:3646_1:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT

+

FFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2352:10230:10817_1:N:0:TCTGCAAG+GCTGCACT
CTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAG
AGCCAGCAAGAGAAGCTTATATGCTGGTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACAT
TAA

+

FFFF:F:FFFFFFFF:FFF,:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1306:6831:34835_1:N:0:TCTGCAAG+GCTGCACT
TTTGAGTATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTTACC
ATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCACTACTCCGATCAGATCCGGATGGT
TTG

+

FFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFF,FFFF:FF
FF:

@A00721:190:HGJW7DSXY:4:1474:17852:18724_1:N:0:TCTGCAAG+GCTGCACT
AGAAGACGGCATACGCGATCTTGAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTTGAGGT
CAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTGGCCGACTTTAACTATTCTAAGAGTC
TTT

+

F,:F::FFF,FF:F,,FFF::FF,FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FF:F,FFFFFFFF:FFFFFFFF:FFFFFFF,F:FF,FFFFF:FF:FFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2305:9073:8844_2:N:0:TCTGCAAG+GCTGCACT
CGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGAGTTTCCAGAATTGC
GGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCA

+

FF:FFFFFFF
FF,FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF,

@A00721:190:HGJW7DSXY:4:2417:5710:30639_2:N:0:TCTGCAAG+GCTGCACT
GATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAAACCTTGAATGGAGTACA
TATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTC

+

FF
FF:FFFFF

@A00721:190:HGJW7DSXY:4:1218:7518:10222_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGGAAGCAAAATGTTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTG
CGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTA

+

FFFFFFFF: ,FF
FF:FFFFF
@A00721:190:HGJW7DSXY:4:2577:16206:11710_2:N:0:TCTGCAAG+GCTGCACT
TATGTCATTTCTGCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCCCT
GACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGAT
+
FFFFFFFFF:FFFFF:FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF,FFFFF
@A00721:190:HGJW7DSXY:4:2401:8151:21778_2:N:0:TCTGCAAG+GCTGCACT
GATTTTATCTTTCTTCAAACACCCTGTTTTCCTTAAGGGCGGACAATTGTTCCATTGTGAACCTTG
GGACTAGATTGAGCATTAATGAGTTCGGAATAACTCGTAATAAATCTT
+
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFF:
FFFFFFFFF:FFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:2538:32805:14685_2:N:0:TCTGCAAG+GCTGCACT
AAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATA
AAAATTTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGG
+
FF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF:FF:FF:F::F
@A00721:190:HGJW7DSXY:4:1561:31738:16532_2:N:0:TCTGCAAG+GCTGCACT
GTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAA
CAGTGCGAGTATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTCA
+
FF
FF:FFFFF
@A00721:190:HGJW7DSXY:4:1435:3495:11710_1:N:0:TCTGCAAG+GCTGCACT
CCTAGAGAAGGTCGAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATG
CTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAG
GAC
+
FFFFFFFFFFF:FFFFFFFFF::FF,FFF,FFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2459:32190:5447_1:N:0:TCTGCAAG+GCTGCACT
CTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTAGTAGGTGATCTTG
ACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAA
AAT
+
:FFFFF:FFFFF:F::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:F:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1232:1280:14732_1:N:0:TCTGCAAG+GCTGCACT
ATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCCCGGCGTTGTTCTTGAAAACCAAG
TTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGT
GAT
+
::FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF,FF:FFFF:FF:FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1236:26992:36902_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAA
+

FF
FF
@A00721:190:HGJW7DSXY:4:1523:20654:1532_2:N:0:TCTGCAAG+GCTGCACT
TTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGT
CGTTTCAACACTTATCACCACCTTTTGAAGGAAAATAATTGGTGATGA
+
FF
FFFFF:FF:FFFFFF:F,FFF:FFFF:FFFF:FFFFFFFFF:FF:FFF
@A00721:190:HGJW7DSXY:4:2343:9670:30608_1:N:0:TCTGCAAG+GCTGCACT
GGGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTC
TTAAGTAATTTGGATGTTGTGCGAAACTATCAGGTTCTTGTACGATTCTTAAAAGAAGTTTATTTAA
ACT
+
FF:FFF:FF
FF
:FF
@A00721:190:HGJW7DSXY:4:1138:5791:25770_1:N:0:TCTGCAAG+GCTGCACT
CTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGA
ATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTAAAAG
ATC
+
FFF:FFFFFFFFF:FF
F:FF
FFF
@A00721:190:HGJW7DSXY:4:1455:13693:6198_2:N:0:TCTGCAAG+GCTGCACT
AATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACACTG
TTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTT
+
FFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2462:9715:16564_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTT
TGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTACACTCGAAATATGG
GCC
+
:FFFFFF:FFFFFF:,FFFFFFFFFFFF,FFFFFF:FFFFFFFF:FF:FFFFFFFFFFFF:FFF:FFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1677:17598:1501_1:N:0:TCTGCAAG+GCTGCACT
TTAGATAAATTCTTTCCGGGCTCAATGACCTTTGCTATGTACGTGGATCTAATGCTTGGTGATCTGAA
TCTGACCATCGCAAAGAAGACTTTATTAGTTCATGAAGTTCTTACACTTCTCGCGACTAATGTCAGCT
TCA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2514:13838:30060_1:N:0:TCTGCAAG+GCTGCACT
CCAAATTTAGCACTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTG
TCT
+
:FFFFFF:FFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

FF
FFF
@A00721:190:HGJW7DSXY:4:2209:4887:29653_1:N:0:TCTGCAAG+GCTGCACT
TCTTGCGAAGGTTCAAGTCGATTGATTTTGTGACTACGATCTCTCTTGTAAATAAGAAGTTCTTCGCA
GTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAACTTATAGCGACTTTTGTGCAATTTTCGCAAA
AGG
+
FF
FFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1424:25003:5368_2:N:0:TCTGCAAG+GCTGCACT
ATTGTCACTGCTAATCGTAATTCGCGAGAAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCG
CGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG
+
FF
FF:FF
@A00721:190:HGJW7DSXY:4:2318:16550:30874_2:N:0:TCTGCAAG+GCTGCACT
GGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTAC
TTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGAT
+
FFFFFFFFFFFFFFF,FFF,FF:FFFF:FF
F:F:FF
@A00721:190:HGJW7DSXY:4:1548:8938:30467_2:N:0:TCTGCAAG+GCTGCACT
TATTGATCTCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTGTTCTTATC
GAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGGAACTCTCAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1519:11306:15906_1:N:0:TCTGCAAG+GCTGCACT
ATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCA
AGGTGAAAAGTTTGAATTAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTA
TTC
+
FFFFFFF,FFFFFFFFFFFF:FFFF,FF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FF:FF
FFF
@A00721:190:HGJW7DSXY:4:2106:18728:10160_1:N:0:TCTGCAAG+GCTGCACT
CTTTACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAG
GAACTGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGA
GTA
+
FFFFF::FFF,FFFFF:FF:FF
FFF:FFFFFFFFF:FFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1450:28140:1908_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCTCTGGAACCACTTAACGTCACTCGGTAATCTTTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2211:16929:32690_2:N:0:TCTGCAAG+GCTGCACT
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTT
AGCTGTATCATCAGTCAGAGTATACCCGATAGGTTACCGAGTCTCCAA
+

F:FFFFFFFF, :FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
FFFFFFFF:FFFFFFFFFFFFFFFF::FF::FF:FF, F::F:FFFF:::FF
@A00721:190:HGJW7DSXY:4:2654:15157:13401_1:N:0:TCTGCAAG+GCTGCACT
CAACGGAAGACATATCGCACCCGAAATTTTGGGCAGAAATGCTCTTAACGCGGTTCTTGAACGGTGT
TTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGA
TTG
+
FF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2525:6045:33254_2:N:0:TCTGCAAG+GCTGCACT
TAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATT
TTAAGCTCATGGTGAAGGAAGCTAAGGTTAACTTGATGCTTCAG
+
FF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1535:18891:12101_1:N:0:TCTGCAAG+GCTGCACT
CTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAG
ATGACCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGG
TGA
+
FFFFFFFFFFFFFFFF:FF, FFFFFFFFFFFFF
FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2326:1127:6793_2:N:0:TCTGCAAG+GCTGCACT
TTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATTTTGTACGCCAGGAGTATCCATAA
CGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
F:FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2305:14281:8876_1:N:0:TCTGCAAG+GCTGCACT
TCTTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGT
CGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGG
ACA
+
F:FF:FFF, FFF, FFFFFFFFF:FFFFFFF::FFFFFFFFFFFF:, FFFF:FFFFFFFF::FFFFFFFF
FF, FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFF:FFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2615:16495:9987_1:N:0:TCTGCAAG+GCTGCACT
ATGTTACTCTTGTAGGACTTTGGGAGAGATTCTGTTAGTTTAAAGACTATACTAAATATCTCCACTAC
GAGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATTCGATATTCGATTGAGGTCGTTATACCTA
TTC
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1106:31530:2644_2:N:0:TCTGCAAG+GCTGCACT
TTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCAT
CCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1101:13702:2675_2:N:0:TCTGCAAG+GCTGCACT
TTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACT

$+$

@A00721:190:HGJW7DSXY:4:2608:4969:35994_1:N:0:TCTGCAAG+GCTGCACT
CCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACT
TGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTCTTCTTTGTTTCCTTCTTTGCACTG
ATT

+

@A00721:190:HGJW7DSXY:4:1642:1090:5666_2:N:0:TCTGCAAG+GCTGCACT
TTTACGATAACAACATATCAGTTGATTAAGACTCTTCCGAAAGGCCGAACCTTTGGGAATTTGAAGCTCAG
GGTGAAGCACAAACGTTTGACCGTGACGAACCTGTGGTGTCTTGATCTA

+

@A00721:190:HGJW7DSXY:4:2624:19750:32409_1:N:0:TCTGCAAG+GCTGCACT
TATTTTAAGTTTGTCTTCCTTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTA
ACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGG
GCA

+

@A00721:190:HGJW7DSXY:4:2234:5819:7842_1:N:0:TCTGCAAG+GCTGCACT
CCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAA
TTTATACCTACAATCATTGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTAC
TCA

+

@A00721:190:HGJW7DSXY:4:1166:11080:3145_2:N:0:TCTGCAAG+GCTGCACT
TCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCT
AAATTA AAAACCATTTGTACGATGTCGTCTGTCTCGGCGAGATCGGAAGA

+

@A00721:190:HGJW7DSXY:4:2615:31548:23343_2:N:0:TCTGCAAG+GCTGCACT
ATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAAGAGTGAAGGCTTC
AATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACG

+

@A00721:190:HGJW7DSXY:4:1111:15013:34569_2:N:0:TCTGCAAG+GCTGCACT
AAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGCCGCTCTCTT
TGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCCTACGT

+

@A00721:190:HGJW7DSXY:4:2223:29053:33865_1:N:0:TCTGCAAG+GCTGCACT
TTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTC

TGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCA
CTT

+

FFFFFFFF:FFFFFFFFFFFFFFFF,FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2535:32253:32769_1:N:0:TCTGCAAG+GCTGCACT
CTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGAAAACCTCGTCAATACTTTTCAATAA
TATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTT
CTA

+

FFFFFFFF:FF
FF:FF
FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2610:28818:31454_1:N:0:TCTGCAAG+GCTGCACT
ATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATT
ACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCAT
CGC

+

F,FF
FF:FF
FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1208:10411:7623_2:N:0:TCTGCAAG+GCTGCACT
ACTTTATCTGAGAGTAGCGTTCTTTTTGTGCGATTGTATCAATAGTAACATAACGACAAATAAAGGTCT
CTATCAGGTGGGTATAATAGTTGCCGCCGATCCGCCTTACCATTGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2203:28872:6308_2:N:0:TCTGCAAG+GCTGCACT
AGGTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGTATGAGGGTGTCTAATCGTAACA
TTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1325:2121:26146_1:N:0:TCTGCAAG+GCTGCACT
TACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCT
GGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATA
TTT

+

FFF:, :FF
FF:FF
FFFFFFFF

@A00721:190:HGJW7DSXY:4:2107:10384:8609_1:N:0:TCTGCAAG+GCTGCACT
TTGCTTGTGCTTCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGT
TCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTGCAACGT
CAA

+

FF
FF:FF
FFFFFFFF

@A00721:190:HGJW7DSXY:4:1546:21088:22294_2:N:0:TCTGCAAG+GCTGCACT
GCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCC
TCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGTTTCG

+

FF:FF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2326:16902:8155_2:N:0:TCTGCAAG+GCTGCACT
TATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCTTGATT
TAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTC
+
F:FF:
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2230:24578:4507_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTTTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTTCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC
+
FFFFFFFFFFFFFF:FFF:FF:
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2510:22616:16830_1:N:0:TCTGCAAG+GCTGCACT
TTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTTCGTTTTTAGGTGGTCTTTATTCTATTATT
GATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCTTCCGT
AAC
+
,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFF:FFFFFFFFFFFFFFFF:FF:FF,FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2130:21558:7075_2:N:0:TCTGCAAG+GCTGCACT
TACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTT
TAACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTAC
+
FFFFFFFFFFFFFF:FF:
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1457:15845:29027_2:N:0:TCTGCAAG+GCTGCACT
ATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGC
TGCATATTACGGAGATCGGAAGAGCGTCGTGTAGGGAAGAGTGTAGT
+
FF:FFFFF
FFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2111:15438:15734_2:N:0:TCTGCAAG+GCTGCACT
TCACACATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAAT
AAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAAC
+
FF:FFFFF
FF
@A00721:190:HGJW7DSXY:4:1108:1750:24439_2:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAA
+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF
@A00721:190:HGJW7DSXY:4:1523:12590:32847_2:N:0:TCTGCAAG+GCTGCACT
CGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAAT
TCTTTTGATACAACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATAC
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF
FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFF:FF:FFFF

@A00721:190:HGJW7DSXY:4:2567:16450:9095_2:N:0:TCTGCAAG+GCTGCACT
CCAGATTGGTTTGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGC
AGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGTTTT

+

FF
FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1553:18032:16125_2:N:0:TCTGCAAG+GCTGCACT
AAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGC
GTTTCGTAGAACCAAGTACTTTCGGTCTGAAGAGTTTAGAGCTGCTATT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1516:18882:22545_2:N:0:TCTGCAAG+GCTGCACT
TGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTA
CGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAA

+

FFFFF:FF
FFFF,FFFFFFFFFFFFFF:FFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2367:30210:12007_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACT
CTA

+

FF
FFFFFFFFFFFFFF:F:FFFFFFFF:F:FFFFFFFF:F:FFFFFFFF:F:FFFFFFFF:F:FFFFFFFF,
FFFFF,FFF:F:F
FF:

@A00721:190:HGJW7DSXY:4:2221:30427:7686_2:N:0:TCTGCAAG+GCTGCACT
ATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTA
CGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2271:3305:30639_2:N:0:TCTGCAAG+GCTGCACT
CTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTC
GAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2435:7392:14732_2:N:0:TCTGCAAG+GCTGCACT
CTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTA
TGTACTTATTGTAACGATCATTCTTTCGAGTTTTGTCATTCTTATTCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2253:21947:11287_2:N:0:TCTGCAAG+GCTGCACT
ATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGAC
TCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1152:6307:16642_1:N:0:TCTGCAAG+GCTGCACT
ACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGA
AAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTGGT
GT

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFF:FFFF,FFFF,FFFFFFF
 FFFF:FFFFFFF,FFFFFFFFFFFF:, :FFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF,FFF,FFF
 FF
 @A00721:190:HGJW7DSXY:4:1342:20844:29105_1:N:0:TCTGCAAG+GCTGCACT
 TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTTGAATACTTT
 ATCAAAGATTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTA
 TAC
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:2324:25183:9471_2:N:0:TCTGCAAG+GCTGCACT
 CCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGT
 GAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAG
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:2210:23285:13949_2:N:0:TCTGCAAG+GCTGCACT
 TATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACA
 TTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCT
 +
 FFFFF,FFFFFFF,FFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
 :FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1144:28492:19022_2:N:0:TCTGCAAG+GCTGCACT
 TCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCA
 ATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATA
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFFF:FFF,FFF:FFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:2425:8386:27821_1:N:0:TCTGCAAG+GCTGCACT
 ACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCT
 TACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCG
 CTT
 +
 F,FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:2263:18927:19836_2:N:0:TCTGCAAG+GCTGCACT
 TACCATGACCAATCATCGCTCCAAGTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGC
 AGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTGTGCAGAATA
 +
 FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1557:16043:20415_2:N:0:TCTGCAAG+GCTGCACT
 CACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAA
 GCAGCGACCAACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATC
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFF:FFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1435:31855:3740_1:N:0:TCTGCAAG+GCTGCACT
 CTGAGGCAGTACCTCAGTCAAAGTCAATTACCACTCCCATACCAATCAATGATGTGACTGTACAG
 TTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAA
 GAA

```
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2468:21386:8782_1:N:0:TCTGCAAG+GCTGCACT  
CCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTTACCGGGTAGTCTCTAAGTCTACCAGGAA  
GAGGGGAATGTCCCCAAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAT  
TAC  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2350:26756:21778_1:N:0:TCTGCAAG+GCTGCACT  
GGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGA  
AGTCGCTGAAGGCGGCTTGCGTCATTAAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAG  
ACC  
+  
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2363:17119:30389_2:N:0:TCTGCAAG+GCTGCACT  
ACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACT  
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATT  
+  
:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2354:30635:10833_1:N:0:TCTGCAAG+GCTGCACT  
CTTG CAGAGT GACT GGAG TT CAGAC GTG CTCT TCCG ATCT TTTT ATCC GC GTTA ACTAT GGGG C  
GAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCA  
CCC  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2452:16929:12336_2:N:0:TCTGCAAG+GCTGCACT  
TTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGACGGATG  
AGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTtatattc  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF:,FFFFF  
FFFF:FF,FFFFFFFFFFFF,FFFF,FFFF,FFFFFFFFFFFF:FFFF  
@A00721:190:HGJW7DSXY:4:2258:5439:17769_2:N:0:TCTGCAAG+GCTGCACT  
TTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTAGACGTTGTCACACTTTTCTTGA  
AAATTTTCTTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGG  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFF:FFFFFFF,,FFFFFFFFFFFFFFFFFFFF:  
@A00721:190:HGJW7DSXY:4:2306:21133:5588_2:N:0:TCTGCAAG+GCTGCACT  
CTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGG  
GAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF  
FFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2115:11053:10551_1:N:0:TCTGCAAG+GCTGCACT  
TCAGAGAGGGGAGCTCTGAAAAGGAAACTTCGTCAGAATATGAGGAAGTCTAAGAGGAGGAGTTTgag
```

GAAGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT

+

FFFFFF:F:F,:F:FF:FFFF,:FF,:FF,F::F:FF,FFF:, ,FFFF,FFFFFFFF:FFFFFFFFF
,FFFF,F,FF:F:F:FFFF:, :F:FFFFFF,FFF,FF:F:FF,FFFF:F,FFFFFFFF:FFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2363:21811:14873_1:N:0:TCTGCAAG+GCTGCACT
CTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAATCTTTTGAGAAGGGGTCATAG
AGCCAGCAAGAGAAGCTTATATGCTGGTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACAT
TAA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1414:25834:25254_1:N:0:TCTGCAAG+GCTGCACT
TTTGAGTATCGACAGATCTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTACC
ATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGT
TTG

+

FFFFFFFFFFFFFFFF:FF
FF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1274:31711:36025_1:N:0:TCTGCAAG+GCTGCACT
GAAGACGGCATACGAGATCTTGACAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTTGACAGTC
AAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTGGCCGACTTTAACTATTCTAAGAGTCT
TT

+

:FFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FF

@A00721:190:HGJW7DSXY:4:2511:16712:28682_2:N:0:TCTGCAAG+GCTGCACT
CGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATTGC
GGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2468:16703:5713_2:N:0:TCTGCAAG+GCTGCACT
GATTTAGATATTATTGATATTGGAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACA
TATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTC

+

FF
FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1558:21685:21919_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTG
CGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTA

+

FF
FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1160:5819:6558_2:N:0:TCTGCAAG+GCTGCACT
TCATTTCTGTTAGTTTGTCCGCGCAATTATTGGACACGATGAAAAATGACATACCGTTCTGACC
TTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCAGATCGGAAGA

+

FFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2656:14751:21559_2:N:0:TCTGCAAG+GCTGCACT
AAGGGCGGACAATTGTTCCATTGTGAACTCTTGGGGACTAGATTGAGCATTAATGAGTTCCGAATAAC
TCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1164:22426:13777_1:N:0:TCTGCAAG+GCTGCACT
TGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAAATTTT
CTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTACGTACGTCATGGGGATCACTTCT
TC

+

F,F,F,FFF,FF:FFFFFFFFFFFF:,FFFFF,FFF:FF:FFF:FFF,FFFFFFFFFFFFFFFFFFFF
FFFFF:F:FFFFFFFFF:FFFFF:FF:FFFF:FFF,:F:F:FFF:FFFFF:FFFF,:FFFF:FFF
,F

@A00721:190:HGJW7DSXY:4:2158:17752:22623_1:N:0:TCTGCAAG+GCTGCACT
TCGAATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCAC
CAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAA
GAA

+

FF:F:FFF:FF,F:F::F,FFFF,FFFF:FFF,FFFFFFFFF:FFFFFF:FFFF,FFFFFFFFFFFF
:FF,FFFFFF,FFFFFFFFF:F:F:FFFF:FF,FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1457:15628:2597_1:N:0:TCTGCAAG+GCTGCACT
TCGCAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAG
ACGCCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTA
GTA

+

FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FF:FFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2531:20292:29622_1:N:0:TCTGCAAG+GCTGCACT
TGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATC
TTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTA
AGA

+

FFF,FFFFFFFFF:FF,FF,FFFFFF:FFF:FFFFFFFFF:F,FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2624:18936:27524_2:N:0:TCTGCAAG+GCTGCACT
CTTTGTACCTTCTGTCAAACCTCGAGGTTGAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTG
GCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTG

+

FF,FFFFFFFFFFFFF
FFFFF,FFFFFFFFFFFFFFFFF:FF:F:FFFF:FFFF,F:FF,FF

@A00721:190:HGJW7DSXY:4:2130:7292:22294_1:N:0:TCTGCAAG+GCTGCACT
ACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAATA
AACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGC
GAC

+

FF:FFFFFFFFFFFFFFFFF:FFF:
FF
FFF

@A00721:190:HGJW7DSXY:4:1673:28890:34648_2:N:0:TCTGCAAG+GCTGCACT
TTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGT

$+$

@A00721:190:HGJW7DSXY:4:2450:12292:8249_1:N:0:TCTGCAAG+GCTGCACT
GGGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTC
TTAAGTAATTTGGATGTTGTCGAAAACATCAGGTTCTTGTCCAGATTCTTAAAAGAAGTTTATTAA
ACT

+

@A00721:190:HGJW7DSXY:4:1267:19000:36777_1:N:0:TCTGCAAG+GCTGCACT
CTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGA
ATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAG
ATC

+

@A00721:190:HGJW7DSXY:4:1455:14163:5791_2:N:0:TCTGCAAG+GCTGCACT
AATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGAAAACGATGAAGATTTCCACACTG
TTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTT

+

@A00721:190:HGJW7DSXY:4:1345:12527:17143_1:N:0:TCTGCAAG+GCTGCACT
CCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTT
GAGAAGACTGTTGAAATGGACAAATCTGGGATCATAGGTATGTGTACGCTACACTCGAAATATGGG
CCC

+

@A00721:190:HGJW7DSXY:4:2634:9625:14841_1:N:0:TCTGCAAG+GCTGCACT
CCAACCTTTAGCACTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTACCTTTTGAGGTCCAGGAACCTTTACTCCTAGTG
TCT

+

@A00721:190:HGJW7DSXY:4:2360:9860:26929_1:N:0:TCTGCAAG+GCTGCACT
ACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGA
TGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTT
TCT

+

@A00721:190:HGJW7DSXY:4:1104:26476:14027_1:N:0:TCTGCAAG+GCTGCACT
AAGGTTCTATTACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTA
GCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAA
CGA

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1327:20980:24893_2:N:0:TCTGCAAG+GCTGCACT
CTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATT
GCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCA
+
:F,FFF,F,:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFF,:FF
F:FFF,FFFFFFFF:FFFF:FF:FFF,:F:F,FFFF,FFFF,FFFF
@A00721:190:HGJW7DSXY:4:2278:17933:35462_2:N:0:TCTGCAAG+GCTGCACT
GCTAAAGCCTGTCCAGTTGTCGATGATGTTTCGGGCTGTGGGGATTAACTTCCCTCGTGAACTTACGA
CGATGTTCTCGCTCGCATTTTACAAGGATTACTAAGTCTGAGATCTGC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2262:4191:31735_2:N:0:TCTGCAAG+GCTGCACT
GTTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCTGATGACATTAT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAC
+
F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:,FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2447:32542:17018_1:N:0:TCTGCAAG+GCTGCACT
GGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGG
ACGTTGAAACGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTTCAAAGACCAGAAACGTAACAAG
AAG
+
F:FFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1401:7057:17440_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCG
GCGATACCACTGATCTTCCAGAGTTTCGTAGTGGTCTTCTTTTGGTGATTTTATCAAAGAGAAAGTT
TCT
+
F:FFF:FFF:F,FFFF,FFFF::FFF::FFFFFFFFF:,F,F::F:FFFFFFFFF,FFFFFFF:FFF:
:FFF:F::,FF,FFFF,FFFFF,,FFF,FF,FFFFFFFFF::FFFFFFFFF:FF:FF:FFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1355:8061:9815_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAAACTGAATCC
ACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTGGAACTGTGTAATGTCCTACGTACTG
TTC
+
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2209:4960:28870_1:N:0:TCTGCAAG+GCTGCACT
TCTTGCGAAGGTTCAAGTCGATTGATTTTGTGACTACGATCTCTCTTGTAATAAGAAGTTCTTCGCA
GTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAACCTTATAGCGACTTTTGTGCAATTTTTCGCAAA
AGG
+
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```


@A00721:190:HGJW7DSXY:4:1636:23610:7122_2:N:0:TCTGCAAG+GCTGCACT
ATTGTCAGTCTAATCGTAATTCGCGAGAAGAGATAGTGAATAAGTTTTGGCACTTCTAGTTCATCG
CGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2373:10149:21605_2:N:0:TCTGCAAG+GCTGCACT
GGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTAC
TTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGAT

+

FF:FFFF
FF:FFF

@A00721:190:HGJW7DSXY:4:2124:27462:28072_2:N:0:TCTGCAAG+GCTGCACT
TATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATC
GAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGGAACTCTCAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1569:11903:3756_1:N:0:TCTGCAAG+GCTGCACT
ATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCA
AGGTGAAAAGTTTGAAATTAACAAAGTCCTTGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTA
TTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2135:1090:18067_1:N:0:TCTGCAAG+GCTGCACT
CTTTACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAG
GAACTGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGA
GTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1468:23375:2863_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCAAGATTTCTT
AGAAGAGGTTATTCCTGGAACACCTTAACGTCACCTCGGTAATCTTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2357:23131:6511_2:N:0:TCTGCAAG+GCTGCACT
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTT
AGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAA

+

FFFFFFFFFFFFFF:FFFF:F:FFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF
FFFFFF,F:FFFFFFFFFFFFFF,F,FFF:FFFFFF:F:F:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1147:26323:11068_1:N:0:TCTGCAAG+GCTGCACT
AACGGAAAGACATATCGCACCCGAAATTTTGGGCAGTATGCTCTTAACCTCGGTTATTTAACGGTGTT
TTGATCAGTCTAAGTTGTATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTAAATTGATAGAT
TG

+

FF:,F,,,,:F:F:FF,FF,F:F,FF:FFFF,FF,FF,FFFF,FFFF,F,,FF,FF,F,:FFFF:F
FF,F:F:FFFF,:FFF:,FF,FF:FFFFFF:FF,FFFFFF:FF,FFFFFF:F:F,FFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1267:11677:15765_1:N:0:TCTGCAAG+GCTGCACT
TTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTC
ATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAA
TAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1629:9914:25488_1:N:0:TCTGCAAG+GCTGCACT
CTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAG
ATGACCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGG
TGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2412:9408:33379_2:N:0:TCTGCAAG+GCTGCACT
TTGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATTTTTGTACGCCAGGAGTATCCATAA
CGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAA

+

FFFFFFF:F:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2557:23113:35352_1:N:0:TCTGCAAG+GCTGCACT
TCTTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGT
CGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGG
ACA

+

::FFF,FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2210:28646:35383_1:N:0:TCTGCAAG+GCTGCACT
TAGGACTTTGGGAGAGATTTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTT
TGGCGATTAGCTCTTGGGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTG
TGC

+

FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1134:4065:32299_2:N:0:TCTGCAAG+GCTGCACT
AAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGAC
CTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATC

+

FFFFFFFFFFFFFFFFFFFF:FFF
FFFFF:FFF,FFF

@A00721:190:HGJW7DSXY:4:2332:15420:26882_1:N:0:TCTGCAAG+GCTGCACT
ATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTGCGTAACGGTGCGTGGCGCTTTATTTTAAAAAG
CTC

+

FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2177:21938:22983_1:N:0:TCTGCAAG+GCTGCACT
GATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATG

ACGATCATTAAGACTCTCTTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCATCAGCTTGTGT
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2139:32570:13777_2:N:0:TCTGCAAG+GCTGCACT
TTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGAATTTGAAGCTCAG
GGTGAAGCACAACTTTGACCGTGACGAACTGTGGTGTCTTGATCTA

+

FF
:FFF:FFF:FF:F:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1447:1307:27430_2:N:0:TCTGCAAG+GCTGCACT
TTAAGTTTGTCTTCTTGTGTTGTTGTTATTCTATTAATCACTCATTTTAGTGAGATTATTAACGCG
ACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCA

+

FFFF,,FFFFFFFF:::F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:F:FFFFFF::FFFF
FFFFFFFF:FF:F:,FFFF:FF,FFF,FF,:F,FFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1116:25048:20729_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCC
TCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTC
TAA

+

FF
FF:FFF,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2153:23149:15843_2:N:0:TCTGCAAG+GCTGCACT
TGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACC
TTAAGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2229:6840:4789_2:N:0:TCTGCAAG+GCTGCACT
GTACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTCCTACTTTTGGACAAGGCCAAC
TTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTA

+

FF
FFFFFFFFFFFFFFFF:FFFF,FFFFFFFF,FFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1267:24930:7185_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCAT

+

FFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF
FFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2618:30427:12853_1:N:0:TCTGCAAG+GCTGCACT
CTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGTTTCAAGATGGGATTCTACGTAGTT
TATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGTAATTACTATAGTGTTAT
TTA

+

FF:::FFFFFF,FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2632:17318:26068_1:N:0:TCTGCAAG+GCTGCACT
ATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCC

GCCACCACACAACCTTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAAT
ACT

+

FFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2236:16405:15812_2:N:0:TCTGCAAG+GCTGCACT
TCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATA
GTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCAT

+

FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2666:16993:32863_2:N:0:TCTGCAAG+GCTGCACT
TGAAACAGCTATTAAAGCTGTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAG
GATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCG

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2122:23538:32205_2:N:0:TCTGCAAG+GCTGCACT
AAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAAACTCCA
AGGTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGTATGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1276:24162:6355_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTTTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTTCAAGTGCAT
GGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAA
GGA

+

FFFF:FFFFFFFF:F:,FFFFFFFF:FFFF:FF:, :FFFFFFFF:FFFFFFF::FFF:FFF
FFFFFFFFFFFFFFFF:FFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:1428:15275:22435_1:N:0:TCTGCAAG+GCTGCACT
TACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCT
GGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATA
TTT

+

FF
FF
F:F

@A00721:190:HGJW7DSXY:4:2362:2663:26522_1:N:0:TCTGCAAG+GCTGCACT
TTGCTTGTGCTTCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGT
TCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTCAACGT
CAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2110:25482:14372_2:N:0:TCTGCAAG+GCTGCACT
GCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTCAGCGTGTTCGCTTAGTGCGAGGCC
TCTCTTCTACGAGGATTGCGATTTCTAGGGTTACGCGATGACGGGTCG

+

FFFFF:,F:FFFFF,FFFFFFFF,,FFFFF:FFFFF,FFFF,F,FFFF:FFFF::FF,FFFFFFF
FFFF,FF::F::F,F,:FF,FF:F,FF,,FF,:F:,F,:F,,F:FF:F

@A00721:190:HGJW7DSXY:4:2329:11089:16376_2:N:0:TCTGCAAG+GCTGCACT
TATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATT
TAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTC

GGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGAC
GTG

+

:FFFFFFFF:FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2244:30798:14465_2:N:0:TCTGCAAG+GCTGCACT
AAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGC
GTTTCGTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2306:29993:8970_2:N:0:TCTGCAAG+GCTGCACT
TGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTA
CGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAA

+

FFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:2369:25265:20259_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACT
CTA

+

FF
FF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:,FF
FFF

@A00721:190:HGJW7DSXY:4:2520:17092:27336_2:N:0:TCTGCAAG+GCTGCACT
ATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTA
CGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGT

+

FF
FF,FFFF

@A00721:190:HGJW7DSXY:4:2307:25789:28463_2:N:0:TCTGCAAG+GCTGCACT
CTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTC
GAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2662:21088:34381_2:N:0:TCTGCAAG+GCTGCACT
CTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTA
TGTACTTATTGTAACGATCATTCTTTCGAGTTTTGTCATTCTTATTCT

+

FF
FFFF:FF:F

@A00721:190:HGJW7DSXY:4:2269:8124:18317_2:N:0:TCTGCAAG+GCTGCACT
ATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGAC
TCCGAAAATGTTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1109:3920:1861_1:N:0:TCTGCAAG+GCTGCACT
ACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGA
AAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGT
GTG

+
FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1423:28863:25426_1:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTA
TAC
+
FFFFFFFFFFFFFFFFFFFFFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2412:3079:23797_2:N:0:TCTGCAAG+GCTGCACT
CCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGT
GAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAG
+
FFFF:FFFFFFFFFFFF:FFF:FF:FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2349:23475:10895_2:N:0:TCTGCAAG+GCTGCACT
TATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACA
TTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCT
+
FFFFF:FFFF,FFFFFFFF:FF:FFFF
:FF:FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1418:15402:33520_2:N:0:TCTGCAAG+GCTGCACT
TCCTTAATATTCTAGTAACCGCTATGTGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCA
ATTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATA
+
,FF:FF:FFFF:FFFFFFFF
FF:F:FF:FFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1236:24650:21793_1:N:0:TCTGCAAG+GCTGCACT
CTTAATTCAATAGCTTTAGTATTATTTACTATCGCTTTATTGAAAATTGTATAAGAGTTAATTGCTT
ACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATGAACTGCCGC
TTC
+
FFFFFF:FF
FF
,FF
@A00721:190:HGJW7DSXY:4:2358:19813:9627_2:N:0:TCTGCAAG+GCTGCACT
TACCATGACCAATCATCGCTCCAAGTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGC
AGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2165:30807:30013_2:N:0:TCTGCAAG+GCTGCACT
CACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAA
GCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FF
@A00721:190:HGJW7DSXY:4:1450:29957:9972_1:N:0:TCTGCAAG+GCTGCACT
CTGAGGCAGTACCTCAGTCAAAAGTCACATTCACTACTCCATACCAATCAATGATGTGACTATACAG
TTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAA
GAA

+
FFF:FFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2566:19036:15702_1:N:0:TCTGCAAG+GCTGCACT
CCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAA
GAGGGGAAATGTCCCCAAAAC TGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAAT
TAC
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
:FF
@A00721:190:HGJW7DSXY:4:2508:22073:17989_1:N:0:TCTGCAAG+GCTGCACT
GGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGA
AGTCGCTGAAGGCGGCTTGGGTCATTAAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAG
ACC
+
FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1105:10257:6637_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT
TGGCTACTGGCGACAAAC TGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCT
TCG
+
FF,FF,,FFFF,,F,FFFF:F,F:FFF:FFFFFFFF:FFFF:FFFF:F,FFF:FFFFFFFF::,FFF
F:::FF:F,F,FF:F:,FFFF:,F,,FFFF,FFFF,:FFFFFF:FFF:FFF:FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1240:26223:3850_2:N:0:TCTGCAAG+GCTGCACT
ACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTA ACTATGGGGCGAAG
ATCCCCTATTGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGAC
+
FF
FFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1367:8052:13589_1:N:0:TCTGCAAG+GCTGCACT
TGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTA
TTTTTGCCGAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGT
TTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
:::FFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:2355:4056:30937_2:N:0:TCTGCAAG+GCTGCACT
TTTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCACACATATGGTAGACGTTGTACACTTTTCTTGA
AAATTTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGG
+
FF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2669:5330:35430_2:N:0:TCTGCAAG+GCTGCACT
CTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGG
GAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGT
+
FFFFFFFFFFFFFFF:FF:FFFFFF:FFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFF:FF

+

@

+

@A

 $+$

6

+

94

+

©

+

©

+

©

+

FF
FF
@A00721:190:HGJW7DSXY:4:1119:4716:32706_1:N:0:TCTGCAAG+GCTGCACT
ACAATTGTTCCATTGTGAACCTTTGGGGACTAGATTGAGCATTAAATGAGTTCCGAATAACTCGTAATA
AATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTCATCGCT
ATA
+
FFF:FFF:F:FF
F:FFF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1350:10176:6965_2:N:0:TCTGCAAG+GCTGCACT
AGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTC
AATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGT
+
FF
FFFFF:FFFFF,FF
@A00721:190:HGJW7DSXY:4:2119:1615:8077_2:N:0:TCTGCAAG+GCTGCACT
GATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCG
GAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2356:32235:4398_2:N:0:TCTGCAAG+GCTGCACT
AGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTTCAGGACGCCTACGGTGACTTTATGGACA
AGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTAGTAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2506:29496:27179_1:N:0:TCTGCAAG+GCTGCACT
GTGAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCT
TTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAA
GA
+
FFFFFFFFF:FFF
FFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2303:9281:20447_2:N:0:TCTGCAAG+GCTGCACT
GTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTC
TAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGAGATCGG
+
FF
FFFFFFFFFFFFFFFFF:FFFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2203:7102:14074_2:N:0:TCTGCAAG+GCTGCACT
TTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGT
CGTGTCAAAACATATCACCACAATTGAAATGAAAATAATTGGTGATGA
+
,FFF:FFFFFFFFFFFFF:F:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
FFF,FFFF,FF,:F,,,F,,,F,,,FFF,FF,F,F:F,F,,,F,,,FF
@A00721:190:HGJW7DSXY:4:2536:32859:23484_2:N:0:TCTGCAAG+GCTGCACT
TTTGGTCCTTACGTCTTAAGTAATTTGGATGTTGTGCGAAAACCTATCAGGTTCTTGTACGATTCTTAA
AAGAAGTTTATTAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAA
+
FFFFFFFFFFFFF,FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF,FFFF,FFFF
,FF,F:FFFFFFFFF:FFF:FFF::FFFFFFFFF::FFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1454:32913:29465_1:N:0:TCTGCAAG+GCTGCACT
ACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACG
AGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCC
AGA

+

FFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2669:31286:1219_1:N:0:TCTGCAAG+GCTGCACT
CTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAG
GGAGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATG
GAC

+

FFFFFFFFFFFF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2511:20654:18944_2:N:0:TCTGCAAG+GCTGCACT
TCATAGGTATGTGTACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTC
GTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTGAGGAAGATC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2342:23484:23030_1:N:0:TCTGCAAG+GCTGCACT
CAAATTTAGCACTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTT
CTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGT
CT

+

FFFFFFFFFFFF:FF
FF
FF

@A00721:190:HGJW7DSXY:4:1207:9209:15969_1:N:0:TCTGCAAG+GCTGCACT
GTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATG
AAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTC
TCC

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1221:13349:17065_1:N:0:TCTGCAAG+GCTGCACT
AAGGTTCTATTACCACCTTGTGATTGATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTA
GCCGCTGAGATTGCTCTTACCTATTTACAATCTGTAGAGAGAGAGTTAATCAGAATTTGAGTGATAA
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1330:7184:4100_2:N:0:TCTGCAAG+GCTGCACT
CTCCTAGTACTTAATGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGAATGTTTCACAAA
GAGTGATCACTTCACGTGGAATTGGGAAGAGATTAAACATAAAAACCA

+

,F,,,F:FFFFFFF,FFFFFFF,,,FF,F,F::FF,F,,F:F,FF,,,FF:::,F,FF,F,F::,,
F,F,,FFFF,,,,,,,,,FF,F,,F,FF:FF:F,FFF,F,FFF:,F,F

@A00721:190:HGJW7DSXY:4:2539:7808:36839_2:N:0:TCTGCAAG+GCTGCACT
GCTAAAGCCTGTCCAGTTGTGATGATGTTTCGGGCTGTGGGGATTAACCTCCCTCGTGAACTTACGA

CGATGTTCTCGCTCGCATTTACACAAGGATTACTAAGTCTGAGATCTGC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2605:11089:35102_2:N:0:TCTGCAAG+GCTGCACT
GTTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTTAATAGAGGATCCTGATGACATTAT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2564:8965:2707_1:N:0:TCTGCAAG+GCTGCACT
GGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGG
ACGTTGAAACGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAG
AAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1622:15682:10332_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCG
GCGAGACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT
TCT
+
FF
FFFFF,,::F:FF:F:,F:,FF:FFFF:F::F:FFFFFFFFFFFFFFFFFFFFFFFF:F:F,F:FFFF:FF,,FFF
FFF
@A00721:190:HGJW7DSXY:4:2516:1515:34522_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAAACTGAATCC
ACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAACTGTGTAATGTCTACGTACTG
TTC
+
FF,FF,FF:F,F,FFFFFFFFFFFFFFFF:FF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:F:FFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1324:29803:28839_2:N:0:TCTGCAAG+GCTGCACT
TGCGAAGGTTCAAGTCGATTGATTTTGTGACTACGATCTCTTGTAAATAAGAAGTTCTTCGCAGTT
GAATCTCCACCAGGTGGAGGAAGACCACTGAACAGATCGGAAGAGCG
+
FFFFF:FF,FFFFFFFF:FFF:F:FFFFF,F,FFFF:F:F,FF:FFFFFFFF,F:FF:FFFFFFFF
:FFFFFFFFFFFFFFFF:FFFFFFFF::FFFFFFFF:FFFF:F:F
@A00721:190:HGJW7DSXY:4:2145:2935:14184_2:N:0:TCTGCAAG+GCTGCACT
ATTGTCACTGCTAATCGTAATTCGCGAGAAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCG
CGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG
+
FF
FFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2638:5141:7921_2:N:0:TCTGCAAG+GCTGCACT
GGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTAC
TTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2124:28709:27070_2:N:0:TCTGCAAG+GCTGCACT
TATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTGTTCTTATC

+

@A00721:190:HGJW7DSXY:4:2118:14317:15107_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2137:16658:7827_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1468:5692:32988 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2476:28302:10332 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1529:2844:9768 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2315:24252:4038 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1629:9968:25488 1:N:0:TCTGCAAG+GCTGCACT

 $+$

FF
FFF

@A00721:190:HGJW7DSXY:4:2504:25464:34194_2:N:0:TCTGCAAG+GCTGCACT
TTCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATTTTTGTCACGCCAGGAGTATCCATAA
CGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2651:12852:2487_1:N:0:TCTGCAAG+GCTGCACT
TCTTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGT
CGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGG
ACA

+

F:FF,FFFF::F,FFFFFFFF:FFFF:FF
FFFFFFFFFF:FF,FFFFFFFFFFFFFFFF:FFFFFFFF:F:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2375:22028:27085_1:N:0:TCTGCAAG+GCTGCACT
TAGGACTTTGGGAGAGATTCGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTT
TGCGGATTAGCTCTTGCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTG
TGC

+

FFFFF,FFFF,FFF:FFFFFF:F:F:FFFFFFFFFFFFFFFF:FFFFFFFF:F:FFF,:F,FFFFFF:F
FFFFFFFFF,:F,FFFF,,FFFF:FFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1155:23068:15013_2:N:0:TCTGCAAG+GCTGCACT
AAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGAC
CTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATC

+

FF
FFFFF,F,FFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2366:22715:15280_1:N:0:TCTGCAAG+GCTGCACT
ATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAG
CTC

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2332:8260:36526_1:N:0:TCTGCAAG+GCTGCACT
GATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATG
ACGATCATTAAGACTCTCTTCTCTTTGTTTCCTTCTTTGCACTGATTTTTCCTCATCAGCTTGTGT
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2368:13286:8563_2:N:0:TCTGCAAG+GCTGCACT
TTTACGATAACAACATATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAG
GGTGAAGCACACGTTTGACCGTGACGAACTGTGGTGTCTTGATCTA

+

FF
FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2331:32741:36182_2:N:0:TCTGCAAG+GCTGCACT
TTAAGTTTTGTCTTCTTGTGTTGTTATTCTATTAATCACTCATTTTAGTGAGATTATTAACGA

ACTAAAACGTCTTCGACAACAGCAGGGGTTTTTCGAATAGTGATAGCCA

+

FFFFFFFF,FFF::FFFF:FFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFF:FFFF,F:,
FFFFFFFF,,F:FFF,F:FFF,FFFF,FFF,FFF:FFFF:FFFFFF:F

@A00721:190:HGJW7DSXY:4:1134:31331:23500_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCC
TCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGGATTTATACCTACAATCATTGGTTTTTC
TAA

+

:FFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1158:20726:21198_1:N:0:TCTGCAAG+GCTGCACT
TTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGAGGATTCTCAGTTTACAAGGACCTT
AAGCGATTGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAAAACCATTGTACGA
TGT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2366:9019:29606_1:N:0:TCTGCAAG+GCTGCACT
TCACTTTTCACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTT
CTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGTC
GTT

+

:FFF:FFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2620:26657:23672_2:N:0:TCTGCAAG+GCTGCACT
ACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTAT
GAATGAACCTTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAA

+

FFFFFFF:FFFFFFFFF:FF,FF:FFFF:FFFFFFFF:F::FFF:FF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF,FFFFFFFF:FFFFFFFFF::FFFFFFFF:F::FFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:2541:29930:25050_1:N:0:TCTGCAAG+GCTGCACT
ATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAAT
TACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTTGGAGTCGTGACGTTGATGAAGCTATAAG
AGC

+

F,FFFFFFFFF:FFFFFFFFF:FFF
FFF:F:FFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2543:8929:9596_1:N:0:TCTGCAAG+GCTGCACT
CTTTCAGTTTCACAACTGAAGGAGGAGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATAA
TATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTCTGGAACGTAGTTTTC
CTA

+

FFF:FFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1326:25427:20635_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGCATTCAAGGCAAACCTTACCCTGAGTCCGGCCGGTTGTAGCTCATTTCTACCAGGGGCTATTA
CTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATC
GC

+
F,FFFF,,F,F,F,,,F:FFF,F,:FF,F,FFFFFF,,FFFFFF:FF:::,F,F:FFFF:FFFF:
FFFFFF:FFFF:F:,FFFFFF,FF:FFFFFF:FF,FFFF,F,FF,:F:FF:F:FFFFFFFF:F:::
F:
@A00721:190:HGJW7DSXY:4:1514:32796:24815_2:N:0:TCTGCAAG+GCTGCACT
ACTTTATCTGAGAGTAGCGTTCTTTTGTTCGATTGTATCAATAGTAACATAACGACAAATAAAGGTCT
CTATCAGGTGGGTATAATAGTTGCCGCCGATCCGCCTTACCATTGAA
+
FF:FFFF
FF
@A00721:190:HGJW7DSXY:4:2330:6144:27289_2:N:0:TCTGCAAG+GCTGCACT
AGGTAATTATGAAGACTGTGATTTATCTTCACTCTGGCCTTGTATGAGGGTGTTCCTAATCGTAACA
TTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGG
+
FF
:FF
@A00721:190:HGJW7DSXY:4:1625:22869:31986_1:N:0:TCTGCAAG+GCTGCACT
TACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCT
GGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATA
TTT
+
F,FF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2411:8919:7326_1:N:0:TCTGCAAG+GCTGCACT
TTGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGT
TCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGT
CAA
+
:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2140:32750:3787_2:N:0:TCTGCAAG+GCTGCACT
GCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCC
TCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGTTTCG
+
FFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2448:23276:2691_2:N:0:TCTGCAAG+GCTGCACT
TATTTGGATGATCTTGATAAAGAACTTCATGAATTTTACAGAGGATGAAAAATTTCTTCTTGGATTT
TAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTC
+
FF,F:FFFFFF:F
FF
@A00721:190:HGJW7DSXY:4:2246:10755:35305_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC
+
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2578:20871:25457_1:N:0:TCTGCAAG+GCTGCACT
TTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTTCGTTTTTAGGTGGTCTTTATTCTATTATT

FF
FF
@A00721:190:HGJW7DSXY:4:2411:19759:26757_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACT
CTA
+
FF
FF
:,FF,FFFF::FFF,F:F,:FF:::F
,FF
@A00721:190:HGJW7DSXY:4:2629:28140:18787_2:N:0:TCTGCAAG+GCTGCACT
ATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTA
CGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTAGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2414:4616:5572_2:N:0:TCTGCAAG+GCTGCACT
CTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTC
GAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGA
+
FF
FF
:,FFFF,FFFF
@A00721:190:HGJW7DSXY:4:2112:1154:11099_1:N:0:TCTGCAAG+GCTGCACT
TTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTATGTACTTA
TTGTAACGATCATTCTTTCGAGTTTTGTCATTCTTATTCTTTATTCTTTAACTGTGTATGAGGAGG
ATT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1507:21847:5196_1:N:0:TCTGCAAG+GCTGCACT
TCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAA
ATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAGGGTATCAC
TAC
+
FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1412:2401:25817_1:N:0:TCTGCAAG+GCTGCACT
GACTTTAGTCAAGGAACTTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATC
AAATTTGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAG
GAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1631:23402:1219_2:N:0:TCTGCAAG+GCTGCACT
ATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGA
TTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATAT
+
FFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF:F:FFFF,FF:FFFFFFFFFFFFFFFFFFFF
FF:FFFF:F:FFF:FFFF:FFFFFFFFFF:FF,FFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:1378:26612:22060_2:N:0:TCTGCAAG+GCTGCACT
TTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGTG

AAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAG
+
F:FF,FF,FFFF:FFFFFFFFFFFF,FFFFFFFF,F::FFFFFFFF:FFFFFFFF::FFFFFFFF:FF:F,,
F:F,FF:FFFF:FFFF,:F,FFFF:FFFFFFFF:FFFF,FF,:F:
@A00721:190:HGJW7DSXY:4:2444:26910:36260_2:N:0:TCTGCAAG+GCTGCACT
TTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAG
TACCTGAACTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAA
+
FF
:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1212:8983:25880_2:N:0:TCTGCAAG+GCTGCACT
TCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCA
CACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTT
+
FFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
F,FFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1470:31123:7952_1:N:0:TCTGCAAG+GCTGCACT
GTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGT
ATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGG
GGA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1103:16712:20885_1:N:0:TCTGCAAG+GCTGCACT
ACCATGACCAATCATCGCTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCA
GATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTG
CAC
+
FFF,F,FF,:FF:FFFF,F:F,,,F:F,FFF:F:F::FFFF::,FFFFFF:,FFF::FFF:FFFF:F
,FFFFFFFFF:FFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1633:10529:30311_1:N:0:TCTGCAAG+GCTGCACT
AAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAG
GTCGCTCGTAACATTGACGGCAGTCCCGTCATCTCTGTGGAACTGAGGCAGTACCTCAGTCAAAAGT
CAC
+
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1107:27489:25864_2:N:0:TCTGCAAG+GCTGCACT
CATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTA
CTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCA
+
FF
FFF
@A00721:190:HGJW7DSXY:4:1503:16658:1407_2:N:0:TCTGCAAG+GCTGCACT
TGACCAGAAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCA
AACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
,FFFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1410:18132:17018_2:N:0:TCTGCAAG+GCTGCACT
GAAGATCTCCCAACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAA

GTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCC

+

FFFFFFFFFFFFFFFF:FFFF,FF:FFFF:FF:FFFFFFFFFFFFFFFF,FFF:F::FF:FFFFFFFF,FF
,FFFFFFFF,FFFFF::FFFF:F:F,F,FF:F,:FFF,FFFF,FFF

@A00721:190:HGJW7DSXY:4:2210:14660:21872_1:N:0:TCTGCAAG+GCTGCACT
ATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTATGAGCAAATCTGTTGAATTCGTCAC
TGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAA
TTG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2567:29939:10598_1:N:0:TCTGCAAG+GCTGCACT
TCTTGCAGAGTGAAGTTCAGACGTGTGCTCTTCCGATCTTTTATCCGCGCTTAAGTATGGGGC
GAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCA
CCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2561:10619:19570_2:N:0:TCTGCAAG+GCTGCACT
TTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTGGCCAGAATGCGGGCTTCTGACTGATG
AGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTC

+

FF:FF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2360:32036:14481_2:N:0:TCTGCAAG+GCTGCACT
TTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTAGACGTTGTCACACTTTTCTTGA
AAATTTTTCCTTTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGG

+

FF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2414:20654:7388_2:N:0:TCTGCAAG+GCTGCACT
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTTCA

+

FFFFFFFFFFF:FFFFFF:FF:FF:F::FFFF
FF:

@A00721:190:HGJW7DSXY:4:2374:18222:36025_2:N:0:TCTGCAAG+GCTGCACT
AAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCT
CACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG

+

F:FFFFFFFFFFFFFFFFFFFF,FF:FF:FFFF,FFF:FFFFFFFFFFFFFFFF:FFFF:FFFF,FFFFF
FF:FFFF

@A00721:190:HGJW7DSXY:4:2671:26847:8093_1:N:0:TCTGCAAG+GCTGCACT
CTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTGTAGATAATCTTTTGAGAAGGGGTCATAG
AGCCAGCAAGAGAAGCTTATATGCTGGTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACAT
TAA

+

FFFFFFF,FFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1429:21097:11569_1:N:0:TCTGCAAG+GCTGCACT
TTTGAGTATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAAGTACC

GAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2405:14100:20744_2:N:0:TCTGCAAG+GCTGCACT
AGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGACGCCTACGGTGAAGTTTATGGACA
AGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTATAGTTTAGTAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1232:1280:14732_2:N:0:TCTGCAAG+GCTGCACT
GAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTT
TGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCCCCGGCGTTGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1236:27769:35430_2:N:0:TCTGCAAG+GCTGCACT
CAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAGTACGAG
AGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1111:12536:32221_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTC
TTGATAATCTTAAAGAAAAATTTTGAATAAACTAATGAGAGGTATAG
+
F:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2452:20934:17675_2:N:0:TCTGCAAG+GCTGCACT
TTCTCTACCCATAACTTCTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGT
CGTTTCAACACTTATCACCCTTTTGAAGGAAAATAATTGGTGATGA
+
FF
FFFFFFFFF,F:,FFFF:FFF:FFF:,FF,F:FFF:FFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2657:13196:4241_2:N:0:TCTGCAAG+GCTGCACT
TGGTCCTTACGTCTTAAGTAATTTGGATGTTGTCGAAAACATCAGGTTCTTGTCACGATTCTTAAAA
GAAGTTTATTAAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATG
+
FF
FF:F:FFFFFFFF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:2365:22815:22404_1:N:0:TCTGCAAG+GCTGCACT
ACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACG
AGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCC
AGA
+
FFFFF,FFFFFFFFFFFF,F:FFF:F:FFFFFFFF:F:FFFFFFFFFFFFFFFF:FF:FFFFFF
FF:FFFFFF:F::FFFF:FFFFFFFFFFFFFFFFFFFF:FFFF,FFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2372:16785:35697_2:N:0:TCTGCAAG+GCTGCACT
TCTGATGCTGACTTTGAGGAAAATTTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGG
AGGAGGTAATAGTTATAAAACCTTCTATTATCATTGCAACAGGACTTT
+
FF:FF:F:FF:,FF,FFF:FFF::FF,F,F:FFFF,:FFF,:FF:F,FF:,FF,FFFFFF,::,:F::
FF,FFFF,FFF:F:FFFFFF:FF:FF,,FFFFFF:::FFF:FFFF,F

@A00721:190:HGJW7DSXY:4:2170:9191:30749_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCG
GCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT
TCT

+

FF
FFFF,FF
FFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2628:10673:9330_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAACTGAATCC
ACTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTGGAACTGTGTAATGTCTACGTACTG
TTC

+

FF
FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1236:21748:32268_1:N:0:TCTGCAAG+GCTGCACT
GGTTCAAGTCGATTGATTTTGTGACTACGATCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCT
CCACCAGGTGGAGGGAAGACCACTGAACTTATAGCGACTTTTGTCAATTTTTCGAAAAGGTCTTGA
AGT

+

FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1112:26585:2566_2:N:0:TCTGCAAG+GCTGCACT
ACTGCTAATCGTAATTCGCGAGAAGAGATAGTACTAAAGTTTGGCACTTCTAGTTCATCGCGGTAT
TTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAG

+

FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:2178:24994:11083_1:N:0:TCTGCAAG+GCTGCACT
CGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTA
AGGCGGCTTATACCATAGGTTACGGTGATTCCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCG
CAA

+

FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1443:17716:20087_2:N:0:TCTGCAAG+GCTGCACT
ATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGT
TTGTCGCGAACTCTCAGAGTTTACGGCAGAAAATTTCTCCTGCTAG

+

FF
F:FFFFFFFFFFFF:F:F,FFFFFFFFFFFFFFFFFFFFFFFF:FF,
F:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,:FFFFFFFFFFFF,F

@A00721:190:HGJW7DSXY:4:2133:30490:7451_1:N:0:TCTGCAAG+GCTGCACT
ATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCA
AGGTGAAAAGTTTGAATTAACAAAGTCCTTGTAAGAGTAAGTTAAATGTGAAGATGCTCAGACTA
TTC

+

FFFFF:F::F:FF:F:FF,FFFFFFFFFFFFFF:FFFFF:FF
FFFF:F:FF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FF::FFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1133:9191:26490_2:N:0:TCTGCAAG+GCTGCACT
ACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAC

TGTCACGTTTACGACGGGAGGTTGCAGATTCAACCCCTTATATCGAGG
+
FFFFFFFFFFFFFFFFFFFF,FFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFF
@A00721:190:HGJW7DSXY:4:1469:13404:14246_2:N:0:TCTGCAAG+GCTGCACT
AGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCT
GCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACCACCTTAACG
+
FF
FFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1333:32642:14184_1:N:0:TCTGCAAG+GCTGCACT
TCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTT
TATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCC
GAT
+
:FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2626:6008:11365_1:N:0:TCTGCAAG+GCTGCACT
TCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTACAACGGAAAGACATATCGCA
CCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGATCAGTCTAAGTTGGA
TAA
+
FFFFFFFFFFFFFFFFFFFF:FF
FFFFF:FF
FF:
@A00721:190:HGJW7DSXY:4:1338:7789:11537_2:N:0:TCTGCAAG+GCTGCACT
GAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAA
ATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTC
+
FF
FFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1215:9697:15374_1:N:0:TCTGCAAG+GCTGCACT
ATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCAAAATTTATTAATGCA
ATTTTCGACCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTAT
GTA
+
FFF:FFF:FFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFF::FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2544:4417:14184_1:N:0:TCTGCAAG+GCTGCACT
TCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGATTTTTTCGAAGTTTGACAAATCTCA
AGATTTCTTTTGTAAGCCTATGAGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTG
AAC
+
FF
FFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1275:13865:28385_1:N:0:TCTGCAAG+GCTGCACT
ACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAAC
ACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTC
GGC
+
FFFFFFFFFFFFFFFFFFFF:FFF:F,FFFFFFFFFFFFF,:FFF:FFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1671:31548:1110_1:N:0:TCTGCAAG+GCTGCACT
GCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATACTGATCATTCTGATCATATGATTTTGA
CAATGTTTCGAAGCGAAATTTTTGAGGGATAAACAGCGTACTTCTGCTCGCGATTTATTCTTTTG
TCA

@A00721:190:HGJW7DSXY:4:2375:22110:27070_1:N:0:TCTGCAAG+GCTGCACT
TAGGACTTTGGGAGAGATTCTGTTAGTTTTAAAGACTATACTAAATATCTCCACTACGAGGTTGTTGTT
TGGCGATTAGCTCTTGCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTG
TGC

@A00721:190:HGJW7DSXY:4:2163:9914:5415_2:N:0:TCTGCAAG+GCTGCACT
AAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGAC
CTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATC

@A00721:190:HGJW7DSXY:4:2510:16215:8594_1:N:0:TCTGCAAG+GCTGCACT
ATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAG
CTC

@A00721:190:HGJW7DSXY:4:2421:10366:36479_1:N:0:TCTGCAAG+GCTGCACT
GATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATG
ACGATCATTAAGACTCTCTTCTTTGTTTCCTTCTTTGCACTGATTTTTCCTCATCAGCTTGTGT
TTT

@A00721:190:HGJW7DSXY:4:2549:27561:10770_2:N:0:TCTGCAAG+GCTGCACT
TTTACGATAACAACATATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAG
GGTGAAGCACAAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTA

@A00721:190:HGJW7DSXY:4:2667:6488:7373_2:N:0:TCTGCAAG+GCTGCACT
TTAAGTTTTGTCTTCCTTGTTTGTCTTATTCTATTAATCACTCATTTTGTAGTGAGATTATTA AAAACGC
ACTAAAACGCTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCA

@A00721:190:HGJW7DSXY:4:1151:16929:32690_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCC

TCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTC
TAA

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1172:22426:23578_1:N:0:TCTGCAAG+GCTGCACT
TTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTT
AAGCGATTGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAACCATTGTACGA
TGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2368:12997:21527_1:N:0:TCTGCAAG+GCTGCACT
TCACTTTTCTACTAAGAATTGGTCCTACTTTTGGACAAGGCCAATTTCGTAATCTTCATGAGATCGTTT
CTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTC
GTT

+

:FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1134:10845:33771_2:N:0:TCTGCAAG+GCTGCACT
TCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAA
TGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGG

+

FF
FF
F:,FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2552:1868:1846_1:N:0:TCTGCAAG+GCTGCACT
TTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATT
ACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGA
GC

+

FFFFF,FFF,FFF,FFF:FFF:FF:FFF:F,,FFF:FFF,,FFFF:FFFFFFF,F,FFF:FFFFFF,
FF,:F,F,FFFFFFFFFFFFFFFFFFFFF,:FFFF:FFF,FF:,:FFFF:,FFFFFFFFF:FF:FFF
,F

@A00721:190:HGJW7DSXY:4:2610:6397:22654_1:N:0:TCTGCAAG+GCTGCACT
CTTTCAGTTTCACACTGAAGGAGGAGGTTTCTGTTACTGAAAACCTCGTCAATACTTTTCAATAA
TATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTCTGGAACGTAGTTT
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1169:3974:36025_1:N:0:TCTGCAAG+GCTGCACT
AGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTAGCTCATTTCTACCAGGGGCTATTAC
TCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCG
CTG

+

FFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFF:FFFFFF
FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2135:11171:10066_2:N:0:TCTGCAAG+GCTGCACT
ACTTTATCTGAGAGTAGCGTTCTTTTGTGCGATTGTATCAATAGTAACATAACGACAAATAAAGGTCT

$+$

@A00721:190:HGJW7DSXY:4:2607:7536:20901_2:N:0:TCTGCAAG+GCTGCACT
AGGTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGTATGAGGGTGTTTCTAATCGTAACA
TTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGG

+

@A00721:190:HGJW7DSXY:4:1660:27995:15969_1:N:0:TCTGCAAG+GCTGCACT
TACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAACAAGTTGTACTTATCAATGATTTTATCGCT
GGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATA
TTT

+

@A00721:190:HGJW7DSXY:4:2412:24641:1454_1:N:0:TCTGCAAG+GCTGCACT
TTGCTTGTGCGTTCTCTCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAAACGAAGGCGACCTGT
TCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCGAACGT
CAA

+

@A00721:190:HGJW7DSXY:4:2227:22227:8547_2:N:0:TCTGCAAG+GCTGCACT
GCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCC
TCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTCCG

+

@A00721:190:HGJW7DSXY:4:2568:21630:29371_2:N:0:TCTGCAAG+GCTGCACT
TATTTGGATGATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATT
TAATATAAAGAATCTTACCAGGACTCCTACTACAGGAGGCAGTCTTC

+

@A00721:190:HGJW7DSXY:4:2314:1895:23375_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTTTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC

+

@A00721:190:HGJW7DSXY:4:2674:3125:23594_1:N:0:TCTGCAAG+GCTGCACT
TTGGCCTAGTGGATGTTATTAGTGACATCTGGTCAATTTCTTTTTAGGTGGTCTTTATTCTATTATT
GATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGT
AAC

+

```

:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

@A00721:190:HGJW7DSXY:4:2358:4978:2503_2:N:0:TCTGCAAG+GCTGCACT
TACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTT
TAACCTACTTAGACTTTTCTACGATACAAATGATAACTTCTAATTTAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2448:14163:34757_1:N:0:TCTGCAAG+GCTGCACT
GGAGTTCAGACGTGTGCTCTTCCGATCTCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGC
TGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAA
CTT

+

FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2528:16694:35571_2:N:0:TCTGCAAG+GCTGCACT
TCACACATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAAT
AAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2204:4020:30279_2:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAA

+

FFFFFFFFFFFFFFF:FFF:F:F:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2151:13792:8719_2:N:0:TCTGCAAG+GCTGCACT
CGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAAT
TCTTTTGATACAACCTAGCCTTCAAGTGGGTATGCCTGCGGAATAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1350:16486:5713_1:N:0:TCTGCAAG+GCTGCACT
TTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTTCAAGCTTGTCGTTAAAGACTGCAGA
GGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGAC
GTG

+

: ,FF
FFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2368:7536:23093_2:N:0:TCTGCAAG+GCTGCACT
AAAAGTCCGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGC
GTTTCGTAGAACCAAGTACTTTCGCTCTGAAGAGTTTAGAGCTGCTATT

+

FFFFFFFFFFFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:2661:26512:11772_2:N:0:TCTGCAAG+GCTGCACT
TGTGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTA
CGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2436:2193:1877_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTTACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT

@A00721:190:HGJW7DSXY:4:2215:27516:2550_1:N:0:TCTGCAAG+GCTGCACT
TATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTTACATTTTTAATGGTATGGTATAATGTGT
CTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTG
GGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1321:7157:10535_2:N:0:TCTGCAAG+GCTGCACT
GAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTA
CTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAA

+

FFFFFFFFFFFFFFF:,FFF,F:FFF
FFFFF:F:FFFFFF:FFFFFFFFFFFFFFF:FFF::FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1320:23683:15421_1:N:0:TCTGCAAG+GCTGCACT
ACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCA
GATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTCCCAAATCTAGATCTG
CAC

+

FFFF:FFFFFFFFFFFFFFFFFFFF,FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2242:19705:34867_1:N:0:TCTGCAAG+GCTGCACT
AAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAG
GTCGCTCGTAACATTGACGGCAGTCCCGTCATCTCTGTGGAACTGAGGCAGTACCTCAGTCAAAAGT
CAC

+

:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1126:21893:25567_2:N:0:TCTGCAAG+GCTGCACT
CATACCAATCAATGATGTGACTATACAGTTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTA
CTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCA

+

FFFFFFFFFFFFFFF:FF,FFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FF:FFFF:FF:F:F,FF

@A00721:190:HGJW7DSXY:4:1543:27073:13745_2:N:0:TCTGCAAG+GCTGCACT
TGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCA
AACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGA

+

FFFFF:FF:FFFF:FFF
FF
FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1448:1985:33082_2:N:0:TCTGCAAG+GCTGCACT
GAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAA
GTCGCTGAAGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCC

+

FFFFFFFFFFFFFFFFF:F:FFFF:FFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFFF,:FFFFFF,,F:FFFFFFFFFFFF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2561:17038:15186_1:N:0:TCTGCAAG+GCTGCACT
ATCTTTGAGACCAAGACTCTCTACAGTAGGTTTCGTGCCTACTATGAGCAATCTGTTGAATTCGTAC
TGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAA
TTG

+

FFFFFFFFFFFFFFFFFFFFFFF:FFF

FF
FFF

@A00721:190:HGJW7DSXY:4:1617:3242:15060_2:N:0:TCTGCAAG+GCTGCACT
ACGAGGCCGGTGACGTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAACTATGGGGCGAAG
ATCCCCTATTGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGAC

+
FF:FFFFFF:
FF:FFF:FF

@A00721:190:HGJW7DSXY:4:1657:26702:14732_1:N:0:TCTGCAAG+GCTGCACT
TGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTA
TTTTTGCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGT
TTT

+
FFFFFFFF,FFF:,FFF,FFFFFFFF:F,F:FFFF,FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF,
,::FF,F:FFFFFFFF:FFF:F:FFFF:,FFFFFFFF,FF:FFFFFFFF:F:FFFFFFFFFFFF:FF:F
FFF

@A00721:190:HGJW7DSXY:4:2527:20817:21919_2:N:0:TCTGCAAG+GCTGCACT
TTTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTAGACGTTGCACACTTTTCTTGA
AAATTTTCTCTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGG

+
FFFFFFFFF:FF:FFF
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2418:21052:8296_2:N:0:TCTGCAAG+GCTGCACT
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAAATTAAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTTCA

+
FFFFFFFFF:FF
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2525:22453:18615_2:N:0:TCTGCAAG+GCTGCACT
AAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCT
CACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG

+
FF
FF

@A00721:190:HGJW7DSXY:4:2141:27850:29778_1:N:0:TCTGCAAG+GCTGCACT
CCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATGATACTCTTTGAGAAGGGGTCATAGAGC
CAGCAAGAGAAGCTTATATGCTGGTTTAAGTATGATTATCACTCCTTGAGAAGACAAGCCACATTAA
GAT

+
FF,:FFF:FFFF,FFFF,,:F,F:FFFFFFFF:FF:F:F,,F:FFFFFFFFF::F:FFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1519:10484:12665_1:N:0:TCTGCAAG+GCTGCACT
TTTGAGTATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTACC
ATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCACTACTCCGATCAGATCCGGATGGT
TTG

+
FF
FF:
FFF

@A00721:190:HGJW7DSXY:4:2341:4146:16250_1:N:0:TCTGCAAG+GCTGCACT
GATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTT
TGTAAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATT
CAA

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1563:20618:27023_1:N:0:TCTGCAAG+GCTGCACT
TGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGCTTATTGTCGCGCAGTTTCCAGAATTGCGGT
TGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATAATCAC
TT
+
FF
FF
FF
@A00721:190:HGJW7DSXY:4:1515:3495:27680_2:N:0:TCTGCAAG+GCTGCACT
ATTATTGATATTGGAGGCGATATTCGTTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAA
CCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACAT
+
FF
FFF:FF:
@A00721:190:HGJW7DSXY:4:2524:19786:33317_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGGAAGCAAATGTTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTG
CGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTA
+
FFFFFFFF:FFFF:FFFFFFFF:FFF
FFFFFFFFFFFF,FFFF:FF
@A00721:190:HGJW7DSXY:4:1445:12825:7420_2:N:0:TCTGCAAG+GCTGCACT
TCATTTCTGCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACC
TTGGTATCGTTATCCGTCATGGAGATGATGCCGCATCACTTGATTACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F,FF
@A00721:190:HGJW7DSXY:4:1265:4282:21120_2:N:0:TCTGCAAG+GCTGCACT
GTGAACTCTTGGGGACTAGATTGAGCATTAATGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGT
GGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTC
+
FFFFFFFFF:FFFFFFF:FFF,FFFFFFFFFFFF:FF,FF
FFFFFFFFFFFF:FF:
@A00721:190:HGJW7DSXY:4:1407:24334:30358_2:N:0:TCTGCAAG+GCTGCACT
AGATTATGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTC
AATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF::FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF,FFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1621:24704:27054_1:N:0:TCTGCAAG+GCTGCACT
TTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAGGTCGCAGCGATCTTACTCGTTATCGGAG
CTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGGAGGTGATCTCTCT
GCT
+
FF
FFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1659:27335:14418_1:N:0:TCTGCAAG+GCTGCACT
GAGAGAAAAGATTACAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGT
TTCCCTTTTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACG
AAT

```

+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2203:10447:5494_2:N:0:TCTGCAAG+GCTGCACT
ACCGGTCTCTAAATCTTTTGAATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGC GTTGTTCT
TTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTT
+
FFFFFFFFFFFFFFFFFFFFFF,FFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFF
@A00721:190:HGJW7DSXY:4:1634:29396:28855_2:N:0:TCTGCAAG+GCTGCACT
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTT
GAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
FFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2659:6008:7670_2:N:0:TCTGCAAG+GCTGCACT
TTCTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGT
CGTTTCAACACTTATCACCACTTTTGAAAGGAAAATAATTGGTGATGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FF,FF,FFFFFFFFFFFF:FFFFF:FFFF:F:F:FFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1214:11930:10003_2:N:0:TCTGCAAG+GCTGCACT
ACGTCTTAAGTAATTTGGATGTTGTGAAAACTATCAGGTTCTTGTACGATTCTTAAAAGAAGTTTA
TTAAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTATTGCA
+
F,FFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:
FFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF,F,:FFFFFFFF,FFF,F
@A00721:190:HGJW7DSXY:4:1609:24777:19288_1:N:0:TCTGCAAG+GCTGCACT
CCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGA
GTTAGGGAGTGGCTAGGTTTTAAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCA
GA
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:,F:,FFF:FF:FFFFF::FFFFFFFF,F,:FF:FFFFF:F:
F:F,FFF,FFFFFFFFF:,FF,FFFFFF:FF,,FF:F,,FFF,:FF:FFFFFFFF:FF:F,FFFFFF:
FF
@A00721:190:HGJW7DSXY:4:1235:19162:29387_1:N:0:TCTGCAAG+GCTGCACT
CTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGA
GGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGAC
AAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1306:22309:26569_1:N:0:TCTGCAAG+GCTGCACT
AGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCTGTTG
ACGTCATTACAGTCTGGAAGTTAGATCATTTGTTGAGGAAGATCTCTACAGAGATTATCGAGAGTTGT
GAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF,F:FFFFFFFF:FFFFFFFFFFFF
FFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1519:18421:9220_2:N:0:TCTGCAAG+GCTGCACT
AATTTAGCACTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCT

```

TCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGG

+

FFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:,FFFFF:FF:FFF,FF

@A00721:190:HGJW7DSXY:4:1640:17192:3897_1:N:0:TCTGCAAG+GCTGCACT
GTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATG
AAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCTCTTTGGTGATATCGCCTCTGTCCTTTC
TCC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFF,FF,FFFFFFFF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1339:12906:6057_1:N:0:TCTGCAAG+GCTGCACT
AAGGTTCTATTACCACCTTGTGATTGATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTA
GCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAA
CGA

+

FFFF:FFFFFF,FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1558:13675:2566_2:N:0:TCTGCAAG+GCTGCACT
CTCCTAGTACTTAAGGGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATT
GCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCA

+

FF
FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2630:8585:21903_2:N:0:TCTGCAAG+GCTGCACT
GCTAAAGCCTGTCCAGTTGTGCGATGATGTTTCGGGCTGTGGGGATTAACCTCCCTCGTGAACTTACGA
CGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGC

+

FFFFFFFFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2603:16269:17581_2:N:0:TCTGCAAG+GCTGCACT
TTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGA
TCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF:FF

@A00721:190:HGJW7DSXY:4:2519:13078:33943_2:N:0:TCTGCAAG+GCTGCACT
AAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAG
GGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAA

+

FF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:,FF
FF:FF

@A00721:190:HGJW7DSXY:4:2446:21178:5509_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCG
GCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCTTTTGGTGATTTTATCAAAGAGAAAGTT
TCT

+

FFFFFFFFFFFF:FF:FFFF,FFFFFFFFFFFFFFFFFFFF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1628:7102:20588_1:N:0:TCTGCAAG+GCTGCACT
TTATAAAAAGCTATTAATAGCAGTTGCGGGCTATAATACCGCCTCCAGATTACTCTAACTGAATCC

$+$

@A00721:190:HGJW7DSXY:4:1272:7572:30733_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACACAGAGGAACGTACCGGATTACCTGTCTTTTCAT

 $+$

@A00721:190:HGJW7DSXY:4:1319:20356:28322_2:N:0:TCTGCAAG+GCTGCACT
TCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTA
TGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGG

+

@A00721:190:HGJW7DSXY:4:1633:26350:12555_2:N:0:TCTGCAAG+GCTGCACT
AGTGTATTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC

+

@A00721:190:HGJW7DSXY:4:2146:22408:32941_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAACCCTCGACAATACTTTTCAATAATCTACGTCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATT
AAG

+

@A00721:190:HGJW7DSXY:4:1270:17824:28479_1:N:0:TCTGCAAG+GCTGCACT
GATCTTGCAAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTGCTGAAACAGCTATTAAAGC
TGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTG
CT

+

@A00721:190:HGJW7DSXY:4:2158:25509:4742_2:N:0:TCTGCAAG+GCTGCACT
AAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAAACTCCA
AGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTATGA

+

@A00721:190:HGJW7DSXY:4:1561:29035:36965_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTTTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTTCAGGTGCAT
GGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAA
GGA

 $+$ [illegible]

@A00721:190:HGJW7DSXY:4:1311:3857:2033_2:N:0:TCTGCAAG+GCTGCACT
ACACATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAA
ATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACAC

@A00721:190:HGJW7DSXY:4:2330:11071:14309_2:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAA

@A00721:190:HGJW7DSXY:4:2156:29071:25598_2:N:0:TCTGCAAG+GCTGCACT
CGTTGAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAT
TCTTTTGATACAACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATAC

@A00721:190:HGJW7DSXY:4:2132:8919:24205_1:N:0:TCTGCAAG+GCTGCACT
TTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTTTCAAGCTTGTGTTAAAGACTGCAGA
GGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGAC
GTG

@A00721:190:HGJW7DSXY:4:2532:26449:4304_2:N:0:TCTGCAAG+GCTGCACT
AAAAGTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGC
GTTCTGAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATT

@A00721:190:HGJW7DSXY:4:1106:13612:29262_1:N:0:TCTGCAAG+GCTGCACT
TGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACG
TTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGT
TAC

@A00721:190:HGJW7DSXY:4:1114:5755:7075_2:N:0:TCTGCAAG+GCTGCACT
CGAAGTCTCTTATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTAC
GTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTT

@A00721:190:HGJW7DSXY:4:1610:30165:5541_1:N:0:TCTGCAAG+GCTGCACT
AATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAAC
TCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGA
GTT

[illegible]

FF
F:F

@A00721:190:HGJW7DSXY:4:1428:8124:16438_1:N:0:TCTGCAAG+GCTGCACT
ACTAAGATATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGA
TTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTT
CTT

+

:F,F,,F,F,,F,FF:,F,FF:FFFFFF
FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2536:31087:3944_2:N:0:TCTGCAAG+GCTGCACT
TTGTAACGATCATTCTTTCGAGTTTTGTCATTCTTATTCTTTTATTCTTTAACTGTGTATGAGGAGG
ATTTATAATGATTTTCGATAGTGATTGTTATCAATTTAAATACATTAC

+

FF:FF:FF,FFFFFFFF,FFFF:FFFF:FFF:FFFF
FFFFFFFFFFFF,FFFF,FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1108:26747:5478_1:N:0:TCTGCAAG+GCTGCACT
TCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACTATTATCCGATT
CTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAGTCAATTCCTTCGATGTTTAT
ATT

+

FFFFFFF:FF:F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1508:25075:16892_2:N:0:TCTGCAAG+GCTGCACT
GGAAAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTATTTAGAACTCTCTCCGATCACCTT
GGTGTGATCTCCCGAGGATCTTTTCAATAAGATGTATGATGATAATC

+

FF
FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2242:30138:16297_2:N:0:TCTGCAAG+GCTGCACT
AGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTGGCTTGGTCTATTTACCGCAAAAAGTT
GGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGA

+

FF,FFF
FF:F:FFFF

@A00721:190:HGJW7DSXY:4:2441:9950:15029_2:N:0:TCTGCAAG+GCTGCACT
TGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCA
TTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1147:30183:11835_1:N:0:TCTGCAAG+GCTGCACT
AAACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAATGG
TATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCT
AGT

+

:FFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2666:22489:27665_1:N:0:TCTGCAAG+GCTGCACT
GGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTT
TAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCC
TTT

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2611:26666:28980_2:N:0:TCTGCAAG+GCTGCACT  
AGTTAATTGCTTACACAAAAGTGACGC GCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGA  
ATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAG  
  
+  
FFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:1612:5240:11694_1:N:0:TCTGCAAG+GCTGCACT  
ACCATGACCAATCATCGCTCCA ACTGGCACGCCAGACGTAGGGTCAA ACCTACTACCGCCGTCGGCA  
GATCGGCACCACTGGTCTCTAC GTTCAGGGACCCGCTGTGCAGAATAACCTTCCC AAATCTAGATCTG  
CAC  
  
+  
FFF:FFFFF:FFF:FFFFFFFFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:, FFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2613:32434:2769_1:N:0:TCTGCAAG+GCTGCACT  
AAGGTCGTTACCGGACGACCA CTCAAAGGAAACGGGCTGTTGCC CAGAGGAAAGCAGCGACCACCGAG  
GTCGCTCGTAACATTGACGGCAGTCC CGTCATCTCTGTGG GA ACTGAGGCAGTACCTCAGTCAA AAGT  
CAC  
  
+  
FFFFFFFFFFFFFFF::FFFFFFFFF:, FF:FFFF,FFFF:FFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFF:FFF  
:FFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF, FF:FFFFFFFFFFFFF:FFFFFFFFF: FFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1167:31430:24048_2:N:0:TCTGCAAG+GCTGCACT  
CATACCAATCAATGATGTGACT ATACAGTTTCGGCCATTT CAAGAGTGGTCAATACGTCGTGGGAGGTA  
CTGAAGCCTTCCCC TCCGCTGGCACGA AGAACACTCCCAAGCCAATCA  
  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2122:19144:33489_2:N:0:TCTGCAAG+GCTGCACT  
TGACCAGAATGAAAAGGGGTTT ACCAGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCA  
AAACTGAGAAGAATAAAG GGAAAGGTCCATCAGGACCTAAGAAGGGGA  
  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF  
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:1469:22507:36025_2:N:0:TCTGCAAG+GCTGCACT  
GAAGATCTCCCACCATCTGGGG TTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAA  
GTCGCTGAAGGCGGCTTG GGTCATTAAGGGTAGCTGTAAAGTTGCGCC  
  
+  
FFFFFFFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF  
@A00721:190:HGJW7DSXY:4:1151:12292:21684_2:N:0:TCTGCAAG+GCTGCACT  
TCTTTGAGACCAAGACTCTCTACAGTAGG TTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACT  
GAGGACGAAGGTGAGAGGACTTTTTGGCTACTGGCGACA AACTGAGAGC  
  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF.:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2213:1796:26021_2:N:0:TCTGCAAG+GCTGCACT  
CGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCG GTGACGTTTTTTGTCAACTGCGTT  
TGGAGGATTTTATCCGCGCTTAACTATGGGGCGAAGATCC CATATGGA
```

F:FF:FFFFFF:FFFFFF:FFF,:F,F,FF,FFF:::FFF:F:,FFFFFF:FFFFFF::FFFF,:F,,,
F,:FFF,:,,F:F,F::FFFF:,,,FF:,FFFFFF,FF,,,F:F,F
@A00721:190:HGJW7DSXY:4:2555:15962:36746_2:N:0:TCTGCAAG+GCTGCACT
GGCATATTTATGCCGACGATAATAAGCATGTACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAG
AGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGC
+
FFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2602:30092:35321_2:N:0:TCTGCAAG+GCTGCACT
TTTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCACACATATGGTAGACGTTGTCACACTTTTCTTGA
AAATTTTTCCTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1136:23158:9157_1:N:0:TCTGCAAG+GCTGCACT
GACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATT
AAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACT
TCG
+
FFFF:F:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1228:19388:27054_1:N:0:TCTGCAAG+GCTGCACT
CTGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAG
AGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAG
GTT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2161:27353:19147_1:N:0:TCTGCAAG+GCTGCACT
TTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCC
TTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTTGAATGTCATTAGTGCCTT
ACG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1554:31828:6386_1:N:0:TCTGCAAG+GCTGCACT
TTTGAGTATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTTACC
ATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGT
TTG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1223:16550:4288_1:N:0:TCTGCAAG+GCTGCACT
ATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGA
GGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCGTAC
CT
+
FFF:FF:F,F::F:FF,F:FF:FFF:,:F,,F,FF,FFFF,,FFFF:FFF,FFFF,,FFFF,:FFF
F,FFF,F:FFFFFFFFF,: ,FFFFFFFFF:FFF,F,F:FFFF:FFF:FF,FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1503:10041:27555_1:N:0:TCTGCAAG+GCTGCACT
CGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATA
TCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGG
CGA

+

FFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF, F,
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2215:4300:18333_2:N:0:TCTGCAAG+GCTGCACT
ATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTA
TACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT

+

FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1120:4942:19727_1:N:0:TCTGCAAG+GCTGCACT
TTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTAT
ACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCGTC
TTA

+

FFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2367:9968:18098_1:N:0:TCTGCAAG+GCTGCACT
GAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA
TGATGCCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAAGATTT
TAT

+

FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1274:31295:6151_2:N:0:TCTGCAAG+GCTGCACT
GTGAACTCTTGGGGACTAGATTGAGCATTAATGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGT
GGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTC

+

FFFFFFF:FFFFFFFFFFFFFFF, :FF:FFFFFFFFFFFFFFF:FF, FFF
FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1572:25780:15295_2:N:0:TCTGCAAG+GCTGCACT
AGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTC
AATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGT

+

FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1406:29143:18051_1:N:0:TCTGCAAG+GCTGCACT
TCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAG
CTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGGAGGTGATCTCTCT
GCT

+

FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2304:14525:30749_1:N:0:TCTGCAAG+GCTGCACT
GAGAGAAAAGATTGAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGT
TTCCCTTTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTGTATAGGGAGTGTGAGAAGACAACG
AAT

+
 FFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF
 FF
 FFF
 @A00721:190:HGJW7DSXY:4:1173:4942:26177_1:N:0:TCTGCAAG+GCTGCACT
 ACCGGTCTCTAAATCTTTTGAAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTC
 TTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTCGAGGTTCA
 GCT
 +
 :FF,FFFFFFFF:FF:FFFF,FFFFFFFF,:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFF:
 FFFFFFF,F:F,:FFFF:F,FFF::F:F:F,F:FF:,FFFF:FFFF,FFF,FFFFFFFFFFFF,F
 FFF
 @A00721:190:HGJW7DSXY:4:1644:5204:11099_2:N:0:TCTGCAAG+GCTGCACT
 CCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGT
 GAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGAT
 +
 FF
 FF
 @A00721:190:HGJW7DSXY:4:2659:6587:8140_2:N:0:TCTGCAAG+GCTGCACT
 TTCTCTACCCATAACTTCTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGT
 CGTTTCAACACTTATCACCACCTTTTGAAGGAAAATAATTGGTGATGA
 +
 FFF:FFF
 FFFFFFFF:FF:FFFF:FFFFFFFFFFFF::FF:FFFF:FFFF:FFF
 @A00721:190:HGJW7DSXY:4:1269:25437:19680_2:N:0:TCTGCAAG+GCTGCACT
 ACGTCTTAAGTAATTTGGATGTTGTGCAAACTATCAGGTTCTTGTACGATTCTTAAAGAAGTTTA
 TAAAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCA
 +
 FFF:FF::FFFFFFF
 FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1440:6705:29919_1:N:0:TCTGCAAG+GCTGCACT
 CTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAG
 TTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCAG
 AGT
 +
 FF
 FFFFFFFF:FFF
 FFF
 @A00721:190:HGJW7DSXY:4:1552:15176:33129_1:N:0:TCTGCAAG+GCTGCACT
 CTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGA
 GGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGAC
 AAA
 +
 FFF:FFFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:1317:30698:28260_1:N:0:TCTGCAAG+GCTGCACT
 AGGTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTGTTG
 ACGTCATTACAGTCTGGAAGTTAGATCATTTGTTGAGGAAGATCTCTACAGAGATTATCGAGAGTTGT
 GAT
 +
 FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFF
 FFF

@A00721:190:HGJW7DSXY:4:1638:4987:1924_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCA
GGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGA
GTC

+

FF
FFFFFFFFFFFF,FFF:
FFFFFFFFFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:2121:5900:28494_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCT
TTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGC

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF,:FFFFFFFFFFFFFFFFFFFF
,:F:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,F,FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1649:30490:24267_1:N:0:TCTGCAAG+GCTGCACT
AAGGTTCTATTACCACCTTGTGATTGATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTA
GCCGCTGAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAA
CGA

+

FFFFF:FFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2511:22182:25942_2:N:0:TCTGCAAG+GCTGCACT
CTCCTAGTACTTAAGGGTTTATGTTTCGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATT
GCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATCCA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,:F:FFFFF:FFFFF:FFFFF:FFFFF:FFFFF:FFFFF:
::FFFFFFFFFFFF:FFF:FFFF:FFFFFFFFFFFF,FFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2630:8757:21699_2:N:0:TCTGCAAG+GCTGCACT
GCTAAAGCCTGTCCAGTTGTGCGATGATGTTTCGGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGA
CGATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGC

+

FFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFF:FFFFF,FF
F:F:FFFFFFFFFFFF:F:FFFFFFFFF:FFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1178:22535:17347_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTG
AAT

+

FFFFF:FFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFF,F:FFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1317:29912:27993_1:N:0:TCTGCAAG+GCTGCACT
AGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAAC
AAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGTTGAAGAGAAAACCTGATATGGT
TGC

+

FF,FFFFFFFFFFFF,FFF
FFF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2139:19190:1407_2:N:0:TCTGCAAG+GCTGCACT
CTCGCGGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAA
AGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAA

+

FFFFFFFFFFFFFFFFFFFFFFFF:F:FF:FFFFFFFFF,,FF:FFF
@A00721:190:HGJW7DSXY:4:1354:20166:19163_1:N:0:TCTGCAAG+GCTGCACT
TCCAAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAAACTGAATCCA
CTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGTCCTACGTACTGT
TCA
+
FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:1423:14009:14638_1:N:0:TCTGCAAG+GCTGCACT
GGTTCAAGTCGATTGATTTTGTGACTACGATCTCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCT
CCACCAGGTGGAGGGAAGACCACTGAACTTATAGCGACTTTTGTGAATTTTCGCAAAGGTCTTGA
AGT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1625:12906:12352_2:N:0:TCTGCAAG+GCTGCACT
ACTGCTAATCGTAATTCGCGAGAAGAGATAGTACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTAT
TTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAG
+
FF:FFFFFFFF
FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2422:5068:6668_1:N:0:TCTGCAAG+GCTGCACT
CGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTA
AGGCGGCTTATACCATAGGTTACGGTGATTCCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCG
CAA
+
FFF:FFFFFFFF:FF:FFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2139:18945:32174_2:N:0:TCTGCAAG+GCTGCACT
ATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGT
TTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTAG
+
FF:FF::FFFFFFFF
,,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:1201:9010:16219_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTATGAAGTTCAAGGTAATACTTACCA
GCACGTTGCGCTGGTTAGAATTAACCTCAAGATGACCCTGTTTTTGCATCACAAACACATATTACCG
TTG
+
FF:FFFFFFFF
FF,FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1501:24813:5415_2:N:0:TCTGCAAG+GCTGCACT
ACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAC
TGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGG
+
FFFFFF:FFFF:FFFF:F:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,F
FFFFFFFFFFFF:FFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2307:1154:3020_2:N:0:TCTGCAAG+GCTGCACT
AGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCT

GCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACCACCTTAACG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2314:8196:6230_1:N:0:TCTGCAAG+GCTGCACT
TCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTT
TATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCC
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2172:22101:25426_1:N:0:TCTGCAAG+GCTGCACT
CCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCAACGAAAGACATATCGCAC
CCGAAATTTTTGGGCAGAATGCTCTTAACGCGTTCTTGAACGGTGTTTTGATCAGTCTAAGTTGGAT
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1570:15420:30326_2:N:0:TCTGCAAG+GCTGCACT
GAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAA
ATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1459:7509:11804_1:N:0:TCTGCAAG+GCTGCACT
ATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCAAATTTATTAATGCA
ATTTTCGGACCTATCTTTAAGTTCTTGTGAGGAGAGTCAACAGTGTCTTTTACCCAACATTTTAT
GTA

+

FFFFFFFFFFFF:FFF:FFF
FFFFFFFFFFFF:FF:FFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2417:19162:24408_1:N:0:TCTGCAAG+GCTGCACT
CGAGATCTTGAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTTTTCTTTTGTAAGCCTATG
AGATAAAGATGTATTCTTATTTAGGCTTCGATGCTGAATTTCTTGAACCTTGGAGTGCCAGTGAATAT
TTT

+

:::FFFFFFFF::FFFFF:FFFF:FFFF,,FFF:,FFFF,FFFFF,FFFF:FF:FFFF::FFFF
F,FFFFFFFFFFFFF,FFFFFFFFF:FFF:FF:FFFFF,FFFFF,FFFFFFFFFFFFFFFFFFFFF
FF,

@A00721:190:HGJW7DSXY:4:2165:24542:13463_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTG
GTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2330:23158:17550_2:N:0:TCTGCAAG+GCTGCACT
CTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCAAGCGAA
ATTTTGTAGGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCTTTT

+

FF
 FF
 @A00721:190:HGJW7DSXY:4:2257:13819:32753_2:N:0:TCTGCAAG+GCTGCACT
 AGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATTCGATATTCGATTGAGGGTCGTATACCTAT
 TCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTAAACGATTC
 +
 FFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FF
 @A00721:190:HGJW7DSXY:4:2153:14778:29309_1:N:0:TCTGCAAG+GCTGCACT
 TGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGATGCGGTTTCATAAGA
 TTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGT
 ATC
 +
 FF
 F:FFF
 FFF
 @A00721:190:HGJW7DSXY:4:1624:5755:25614_2:N:0:TCTGCAAG+GCTGCACT
 TCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTT
 ATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCAC
 +
 FF:FFFFFFFFFFFFFFFFFFFFF
 FF
 @A00721:190:HGJW7DSXY:4:2264:13657:12242_2:N:0:TCTGCAAG+GCTGCACT
 AGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTTTTCTTCTTTGTTTCCT
 TCTTGCCTGATTTTTCTCATCAGCTTGTGTTTTACCTAATCTGTG
 +
 ,FFF:FFFFFFFFFFFF::F:FF:FFF::FFFFFFFFFFFFF
 FFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFF:
 @A00721:190:HGJW7DSXY:4:1504:29098:13714_2:N:0:TCTGCAAG+GCTGCACT
 TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTT
 TGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTC
 +
 FF:F:FFF
 FFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:2277:12084:24893_2:N:0:TCTGCAAG+GCTGCACT
 TTTTGTCTTCTTGTGTTGCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAACGCACTAA
 AACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGC
 +
 FF:F:F::FFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFF:FF
 @A00721:190:HGJW7DSXY:4:1673:6415:15890_2:N:0:TCTGCAAG+GCTGCACT
 GGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTCTACTGTCTGTCTGCGCTCTTC
 GAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTAC
 +
 FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
 FFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1353:1045:26663_1:N:0:TCTGCAAG+GCTGCACT
 TTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGG
 AGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGAG
 GTG
 +
 FF
 FFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFF

@A00721:190:HGJW7DSXY:4:2452:18954:6668_2:N:0:TCTGCAAG+GCTGCACT
GTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCCTACTTTTGGACAAGGCCAAC
TTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTA

+

```
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF::FFFFF
```

GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCAT

+

```
FFF,FFFF:FFFF:FFFFFF:FFFFFFFF::FFFFF,FFFFFFFFFF,F
```

TCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTA
TGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGG

+

```

FFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF

```

AGTGTATTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACTTTTCAGTTTC

+

[illegible]

ACTGGAACCGTCTTTTCTGGAACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAG

+

[illegible]

GATCTTGCAGAGTGACTGGAGTTCCAGACGTGTGCTCTTCCGATCTCTTGCTGAAACAGCTATTAAAGC
 TGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTG
 CT

+

[illegible]

CAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAAACTCCAAGGTAATTATGA
AGACTGTGATTTATCTTTCACCTCTGGCCTTGTATGAGGGTGTTTCTAA

+

```

FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF

```

AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCANGGGG
 TTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAG
 CTT

+

[illegible]

@A00721:190:HGJW7DSXY:4:2314:28854:10473_1:N:0:TCTGCAAG+GCTGCACT
TACCGCCTTACAAGTCTAAGGTTAAAGAGTCGATTAAACAAGTTGTACTTATCAATGATTTTATCGCT
GGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATA
TTT

+

F:F,:FFFFFFF:F,FFF:FFFFFFFFF,FFFFFFFFFFFFFFFFF,F,FFFFFFFFF,:F
FFFFFFFFFFFF:FFF,FFFFFF:FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFF
FFF

@A00721:190:HGJW7DSXY:4:1563:13286:25567_1:N:0:TCTGCAAG+GCTGCACT
TTCAGACGTGTGCTCTTCCGATCTCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGAT
CCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTCG
TTT

+

FFFFFFFFFFFFFFFFFFFFFFFFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2370:4101:2738_2:N:0:TCTGCAAG+GCTGCACT
GCTGACTTTCGTC AATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGGCC
TCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGTTTCG

+

FF:FFFF:FFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1422:28366:33489_1:N:0:TCTGCAAG+GCTGCACT
ATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGGATTTTAATATAAAG
AATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATC
CAT

+

F:FF,,F:FFFFFFFFF:FFF:FFFFF:FF:FFFFFFFFF,FFFFFFFFF:FFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2361:19036:28510_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTTTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTTCGTAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1107:7916:1924_2:N:0:TCTGCAAG+GCTGCACT
TAGTGGATGTTATTAGTGACATCTGGTCAATTTCTGTTTTAGGTGGTCTTTATTCTATTATTGATTTT
TATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2115:11261:5963_2:N:0:TCTGCAAG+GCTGCACT
CTTCTTCTTGACAATTTTATTCAATCCTTCTATAATAGTTAAATATAGGATTATGTCTGTGTGAAAG
ACTTTATACCTATAAGGGTCAATAGTCTTACACAATT

+

F,,,FF,FF:,,,FFFF,FF,:F,,:F,,:F,,F::FFF:FF,FF,,:FF,F,F,F,F,FF,FF,,
F:F,F,FF,:,:FF,:F,F:::,F,,FF:::,FFFF

@A00721:190:HGJW7DSXY:4:2105:21160:16031_2:N:0:TCTGCAAG+GCTGCACT
ATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCATACGA
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTC

+

F,FFF:F:FFFFFFFFF:FFFFFFFFF,FFFFFFFF:FFFFFFFFFFFF:FFFFFF,FFF:F
FFFFFFFFFFFFFFFFFFFFFFFF,FFF,:FF:F,FFF::FFFF,F,
@A00721:190:HGJW7DSXY:4:1342:22634:26944_1:N:0:TCTGCAAG+GCTGCACT
TTGGTGTATCTCCTCAGGAGTCCCGGCATTGTGATAATAATGACGAGACTTTCGTCATAATCGCTGCA
TATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTA ACTTA
TAA

+
FFFFFF,FFF:F,FFFFFFFF:,FF::FFFF:::F:FFFFFFFFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFF:FFF:FFFFFFFF:FFFFFF:FFFFFF,FFFFFF,FFFFFFFF:FFFFFF:FFF,
FFF

@A00721:190:HGJW7DSXY:4:2451:13295:6449_2:N:0:TCTGCAAG+GCTGCACT
ACACATTTTGAGAACTA ACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAA
ATAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACAC

+
FFFF:FF:FFFFFFFF:F:FFFFFF:FFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF:,FFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2360:17689:7764_2:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAA

+
FF
FF

@A00721:190:HGJW7DSXY:4:1210:23909:14215_1:N:0:TCTGCAAG+GCTGCACT
GAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTTCTT
TTGATACA ACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTC
GAA

+
FF:FFFF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1202:18032:27492_2:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGC

+
FF:FFF,FFFFFFFF:F
F:F,:FFFFFF:FFF,FF:FF::FFFF,FFFF,,:FFFF:F::F:F

@A00721:190:HGJW7DSXY:4:1225:11143:15655_1:N:0:TCTGCAAG+GCTGCACT
GTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTC
GTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGT
ATA

+
FF
FFFFFFFFFFFFFFFF:FF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1171:14335:26757_1:N:0:TCTGCAAG+GCTGCACT
TGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACG
TTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGT
TAC

+
FFFF:FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1129:27579:25833_2:N:0:TCTGCAAG+GCTGCACT
CGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTAC

$+$

FFFFFFFF:FFFFFFFF:FFFF,FF:FFFFFFFF

TCT

+

FFF

TTA

+

FFF

TTG

 $+$ [illegible]

CTT

+

FFF

GGA

+

FF

AGT

+

```
FFF,F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
```

TTG

+

```
FFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFF,FFF,:FFF::
```

AAA

@A00721:190:HGJW7DSXY:4:1255:30327:18192_1:N:0:TCTGCAAG+GCTGCACT
CTTGACAGAGTGAAGTTCAGACGTGTGCTCTTCCGATCTCGTCACTGAGGACGAAGGTGAGAGGA
CTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGA
CGC

+

FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1666:7726:25113_2:N:0:TCTGCAAG+GCTGCACT
ACGAGGCCGGTGACGTTTTGTCAACGGCGTTTGGAGGATTTATCCGCGCTTAAGTATGGGGCGAAG
ATCCCCTATTGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGAC

+

FFFFF:FFFFFFFFFFFFFFFF:FF
FFFFF,F:FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2253:28239:19930_1:N:0:TCTGCAAG+GCTGCACT
TGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTACTA
TTTTTGCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGT
TTT

+

FFFFFFFF,F,FF:FF
F:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2602:30110:35321_2:N:0:TCTGCAAG+GCTGCACT
TGTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCCCACATATGGTAGACGTTGTACACTTTTCTTGA
AAATTTTTCCTTTCCTCCGTCATTGGGGATTCGATGTGAGAAGGTGG

+

:,FFFFFFFF,F,:FFFF,FFFFFFFF:F,:FFFFFFFFF,:::FF,FF,F,:,,F,FF:F,:FFF,F
FFFF,FF,F:FF,FF:FFF,:,,FF,,FFF,,F:FF::FFF:::F,

@A00721:190:HGJW7DSXY:4:1269:18005:1360_1:N:0:TCTGCAAG+GCTGCACT
GACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATT
AAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACT
TCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2251:29369:11397_1:N:0:TCTGCAAG+GCTGCACT
CTGTCTAAGAGGAGGAGTTTGAAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAG
AGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAG
GTT

+

FF
FFFFFFFFF:FF
F:F

@A00721:190:HGJW7DSXY:4:2230:8549:1141_1:N:0:TCTGCAAG+GCTGCACT
TTTTGAGAAGGGGTATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCC
TTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTT
ACG

+

FFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1609:12301:15217_1:N:0:TCTGCAAG+GCTGCACT
TTTGAGTATCGACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAAGTACC

ATATTGTTCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGT
TTG

+

FF:FFFFFFFFFFFFFFFF
FFFFFFFF:FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2250:14000:9768_1:N:0:TCTGCAAG+GCTGCACT
ATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCATAGATTCTGTAGCTCTGAGGGCGGTTGA
GGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTAC
CT

+

FFFFF:FFFF,F,F,FFF:,FFFFF:,FFFFF:FF,FFFF,FFFFF,FFF:FFF,FFFF,FFFFF::F
F,FFFFFFFFFFFF,,F,:FFF:FFFF:FFFFFFFF:FFFFF,FFFF,,F:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1643:28709:31266_1:N:0:TCTGCAAG+GCTGCACT
CGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGAGCCATA
TCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGG
CGA

+

FFFFF,FFFFF:F,FFFF,F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:F,FFFF
FFFF,F:FFFFFFFF:FFFF:FFFFFFFF:FFFFFFFFFFFF:F:FFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2225:11505:18411_2:N:0:TCTGCAAG+GCTGCACT
ATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTA
TACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1149:17571:7185_1:N:0:TCTGCAAG+GCTGCACT
TTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTAT
ACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTC
TTA

+

FFFFFFFFFF:FF:F::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2377:30156:2456_1:N:0:TCTGCAAG+GCTGCACT
GAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA
TGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAAGATTT
TAT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1316:1515:31673_2:N:0:TCTGCAAG+GCTGCACT
GTGAACTCTTGGGGACTAGATTGAGCATTAATGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGT
GGACAATTGAGAATACCTATTTCCGTACCAAGAGCCACTGCCAATCTC

+

FFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFF,FFFFFFFF,FFFFFFFFFFFFFFFF:FFFF:FFFF
F:F:F:FFFFFFFFFFFFF,F:F:FF:FFFF:FF:FFFFFF,FFF

@A00721:190:HGJW7DSXY:4:1641:28266:27242_2:N:0:TCTGCAAG+GCTGCACT
AGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTAGTACGTCATGGGGATCACTTCTTCGGTC
AATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1406:30599:18129_1:N:0:TCTGCAAG+GCTGCACT
TCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAG
CTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTAACGTTAGTACCGGAGGTGATCTCTCT
GCT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2358:7419:14998_1:N:0:TCTGCAAG+GCTGCACT
GAGAGAAAAGATTACAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGT
TTCCCTTTTATAGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACG
AAT

+
:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1344:21522:23171_1:N:0:TCTGCAAG+GCTGCACT
ACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTC
TTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTCA
GCT

+
FFFFFFFFFFFFFF:F:FFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:F:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2164:10429:27258_2:N:0:TCTGCAAG+GCTGCACT
CCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTT
GAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGAT

+
FF
FF

@A00721:190:HGJW7DSXY:4:1303:14633:1532_2:N:0:TCTGCAAG+GCTGCACT
CTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCG
TTTCAACACTTATCACCACCTTTTGAAAGGAAAATAATTGGTGATGAAA

+
FF
FFF,FF:FF,FFF,F,FFF,FFF:FFF,FFFFFF:F:F,,FFFF,FF

@A00721:190:HGJW7DSXY:4:1478:30544:25864_2:N:0:TCTGCAAG+GCTGCACT
ACGTCTTAAGTAATTTGGATGTTGTCGAAAACATCAGGTTCTTGTACGATTCTTAAAGAAGTTTA
TAAAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCA

+
FF
FF

@A00721:190:HGJW7DSXY:4:1562:27181:23641_1:N:0:TCTGCAAG+GCTGCACT
CTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAG
TTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCAG
AGT

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1635:4725:2002_1:N:0:TCTGCAAG+GCTGCACT
CTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGA

FFFFFFFF:FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1466:21929:12665_1:N:0:TCTGCAAG+GCTGCACT
AGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAAC
AAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGAGAAAACCTGATATGGT
TGC

+
:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:2220:1850:4633_2:N:0:TCTGCAAG+GCTGCACT
CTCGGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAA
AGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAA

+
FF:FFFFFFFFF
FFFFFFFFF::FF

@A00721:190:HGJW7DSXY:4:1455:24306:35571_1:N:0:TCTGCAAG+GCTGCACT
TCCAAAAGCTATTAATAGCAGTTGCGGGCTATAATACCGCCTCCAGATTACTCTAACTGAATCCA
CTCTCTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGTCCTACGTACTGT
TCA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1611:18059:7341_1:N:0:TCTGCAAG+GCTGCACT
GGTTCAAGTCGATTGATTTTGTGACTACGATCTCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCT
CCACCAGGTGGAGGGAAGACCACTGAACTTATAGCGACTTTTGTGCAATTTTCGCAAAAGGTCTTGA
AGT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2142:23592:15828_2:N:0:TCTGCAAG+GCTGCACT
ACTGCTAATCGTAATTCGCGAGAAGAGATAGTACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTAT
TTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAG

+
FF
FF

@A00721:190:HGJW7DSXY:4:2427:15185:31861_1:N:0:TCTGCAAG+GCTGCACT
CGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTA
AGGCGGCTTATACCATAGGTTACGGTGATTCCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCG
CAA

+
FF:FFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2139:19054:31892_2:N:0:TCTGCAAG+GCTGCACT
ATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGT
TTGTCGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTAG

+
FF:FFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1458:5285:9518_1:N:0:TCTGCAAG+GCTGCACT
CTTGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTTCATGAAGTTCAAGGTAATACTTACCA

GCACGTTGCGCTGGTTAGAATTAAACCTCAAGATGACCCTGTTTTTGCATCACAAACACATATTACCG
TTG

+

:F:FFFFFFFFFFFFFFFFFFFF,FFFF,FF,F,FFFFFFFFFFFFFFFFFFFF:FFF:F:FFF::FFFF::F
:F,FFF::FFFF:FFFFFF:FFF:FFFF,FF,FFFFFF,FFFFFF:FFFFFFFFF:FFF::F:FF
FFF

@A00721:190:HGJW7DSXY:4:1546:2031:35383_2:N:0:TCTGCAAG+GCTGCACT
ACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAC
TGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGG

+

FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2326:20283:13792_2:N:0:TCTGCAAG+GCTGCACT
AGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCT
GCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACCACCTTAACG

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2321:12210:4288_1:N:0:TCTGCAAG+GCTGCACT
TCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTT
TATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTAGCTGTATCATCAGTCAGAGTATACCC
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2524:9778:27195_1:N:0:TCTGCAAG+GCTGCACT
CCAAGAGAATATTTATTTCTTATGAGGCTCGAACTTCAACGTTTTTCACAACGGAAAGACATATCGCAC
CCGAAATTTTTGGGCAGAATGCTCTTAACGCGTTCTTGAACGGTGTTTTGATCAGTCTAAGTTGGAT
AAA

+

:FFFFFFFF:FF:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2124:16504:9909_2:N:0:TCTGCAAG+GCTGCACT
GAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAA
ATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTC

+

FFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF
:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2158:18521:12680_1:N:0:TCTGCAAG+GCTGCACT
ATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCAAAATTTATTAATGCA
ATTTTCGACCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTAT
GTA

+

FFFFF:FF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF:F:FFFFFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:2508:22471:18709_2:N:0:TCTGCAAG+GCTGCACT
TTGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATTTTTGTCACGCCAGGAGTATCCATAA
CGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFF

AGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGAC
GTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1116:9362:21684_2:N:0:TCTGCAAG+GCTGCACT
TACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACT
TCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAG

+

FF
FF
FFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1371:2844:13839_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCAT

+

FFFFFF:FFFFFFFFFFFF:FF:FFFF
FF

@A00721:190:HGJW7DSXY:4:2117:24722:35665_2:N:0:TCTGCAAG+GCTGCACT
TCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTA
TGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2107:27778:20760_2:N:0:TCTGCAAG+GCTGCACT
AGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC

+

FFFFFFF:FF
FFFFFFF:FFFFFFFFFFFF:F:F,FFFFFFFFFFFF:FFFFF,FFF

@A00721:190:HGJW7DSXY:4:2325:16839:10113_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAG

+

FF
FFF:FFFF:FF:FFF,FFFFFFFF:FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2404:26241:26804_1:N:0:TCTGCAAG+GCTGCACT
GATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTGCTGAAACAGCTATTAAAGC
TGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCT

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:1520:13286:25441_2:N:0:TCTGCAAG+GCTGCACT
CAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAAACTCCAAGGTAATTATGA
AGACTGTGATTATCTTTCACTCTGGCCTTGATGAGGGTGTCTTCTAA

+

FF
FF:FF

@A00721:190:HGJW7DSXY:4:1360:18276:33771_2:N:0:TCTGCAAG+GCTGCACT
AATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTG

$+$

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFF

1

FF

+

FFF

+

FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

+

FFF

+

FFF

+

FF:FFFFFFFFFFFFFFFF

+

FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1574:17219:2503_2:N:0:TCTGCAAG+GCTGCACT
ACTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATG
ATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAA

+

:FF
FFFF:FFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1430:9426:24424_2:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTAT

+

FF
FFFFF,FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1350:28519:25739_2:N:0:TCTGCAAG+GCTGCACT
CATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAAATA
AATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAG

+

FF,FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2628:11162:36730_2:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1320:25925:29857_1:N:0:TCTGCAAG+GCTGCACT
GAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCCT
TTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTC
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1212:10664:14920_2:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGC

+

FF
F:FFFFFFFFFFFFFFFF,FFFFFFFF,FF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1408:24985:21214_1:N:0:TCTGCAAG+GCTGCACT
GTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTC
GTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGT
ATA

+

FFFFFFFFFFFF:FF
FFFFFFFFFFFF:F:F:FF

@A00721:190:HGJW7DSXY:4:1305:22290:17143_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTAGACGATAATACTTTAATGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACG
TTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGT
TAC

+

FF,::FFF,F,FFF:,F,::FFFF,F,,F:F,FF,F:FFF:F:F:FFFF::FF:::FFF,F:F,FF
FFF,F,FF:FFF:FF,FF,F,,FFFFFFFFFFFFFFFF,FFF:F:FF,FFFF,::,FFFFFF,::FFFF
F:F

@A00721:190:HGJW7DSXY:4:1163:15031:22608_2:N:0:TCTGCAAG+GCTGCACT
CGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCACTTACTCTGTACTTGATCTAC
GTCGTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTT

+

FFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1676:27868:10770_1:N:0:TCTGCAAG+GCTGCACT
AATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAAC
TCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGA
GTT

+

FF:FFFFFF:FFFFFFF,FFFFFFFFFFFFFF,FFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2231:13847:5838_1:N:0:TCTGCAAG+GCTGCACT
ACTAAGAGATCATCCGCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGA
TTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTT
CTT

+

::,F,,F,F,:F:FF::F:FF:FFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2270:28420:1329_2:N:0:TCTGCAAG+GCTGCACT
ATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTCAAATCATCTTTACTCACAGAC
TCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1551:16179:30796_1:N:0:TCTGCAAG+GCTGCACT
ACCACTGATCTGCCGACTTTAGTCAAGGAAC TTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGA
AAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGT
GTG

+

FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1427:31114:34773_1:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGAAGAGGTCTATGATATTTATTTTACTTA
TAC

+

F:FFFFFFFF,FFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2675:17580:35164_2:N:0:TCTGCAAG+GCTGCACT
CCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGT
GAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAG

+

FF:FFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2377:20835:13056_2:N:0:TCTGCAAG+GCTGCACT
TATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACA
TTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCT

+

FFFFF:FFFFFF,FFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1560:11577:20823_2:N:0:TCTGCAAG+GCTGCACT
TCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCA
ATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATA
+
F:FFFFFF:FFFFFFF,FFF:FFFFF:FFF:FFF:FFFFFFFFFFFFFFFFFFFFFFF,,:FFFFFFF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1354:10565:35102_1:N:0:TCTGCAAG+GCTGCACT
CTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTT
ACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATGAAGTCCGC
TTC
+
:FFF:,FFF,FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:,FFFF:F:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
:F:
@A00721:190:HGJW7DSXY:4:2676:27507:17190_1:N:0:TCTGCAAG+GCTGCACT
ACCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCA
GATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTTCCCAATCTAGATCTG
CAC
+
:FFF:FFFFFFFF:FFFFFFFF:FFF
FFFFFFFFFFFFFFF:FFF:FFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1159:28673:21652_1:N:0:TCTGCAAG+GCTGCACT
GGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCAACCGAGGTCGCTCGTAAC
ATTGACGGCAGTCCCGTCATCTCTGTGGGAAGTGAAGGACGTACCTCAGTCAAAAGTCACATTCACCAC
TCC
+
FFF
FFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1241:16893:23516_2:N:0:TCTGCAAG+GCTGCACT
TGTGACTATACAGTTCGCCATTTCAAGAGTGGTCAATACGTCTGGGAGGTACTGAAGCCTTCCCCT
CCGCTGGCACGAAGAACAACCTCCCAAGCCAATCAATAGTTCTTCTGACC
+
FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2222:32344:18677_2:N:0:TCTGCAAG+GCTGCACT
AGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCAAACCTGAGAAGAATAAAGGGAAAGG
TCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGA
+
FFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1263:10411:22999_2:N:0:TCTGCAAG+GCTGCACT
GGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTG
GGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGA
+
FFFFFFFFFFF,FFFFF:FFF
FFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1441:30563:16157_1:N:0:TCTGCAAG+GCTGCACT
CTTGACAGAGTGAAGTTCAGACGTGTGCTCTTCCGATCTCGTCACTGAGGACGAAGGTGAGAGGA
CTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGA
CGC

+
FF
FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1112:31937:8296_1:N:0:TCTGCAAG+GCTGCACT
ATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGA
GGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTAC
CTT
+
FF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2154:30237:1407_1:N:0:TCTGCAAG+GCTGCACT
CGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGAGCCATA
TCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTAGATATTATTGATATTGGAGG
CGA
+
FF:FFFFFFFF:FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFF
FFF
@A00721:190:HGJW7DSXY:4:2225:12002:18959_2:N:0:TCTGCAAG+GCTGCACT
ATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTA
TACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT
+
FFFFFFFFFFFFFFFF:F:FF
FFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1155:17680:8406_1:N:0:TCTGCAAG+GCTGCACT
TTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTAT
ACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGC
TTA
+
FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2434:21341:29872_1:N:0:TCTGCAAG+GCTGCACT
GAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGA
TGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAAGATTT
TAT
+
FFFFFFFFFFFFFF:FF:FFFFFF:FFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1316:1741:31657_2:N:0:TCTGCAAG+GCTGCACT
GTGAACCTTGGGGACTAGATTGAGCATTAATGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGT
GGACAATTCAGAATACCTATATCCGTACCAAGAGCCACTGCCAATCTC
+
FF:F,F,F:,FF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F:FFFF:F:FFFFFFFFFFFFFFFF
F:FFFF:FFFFFFFF:F,FFFF:FFFFFFFF,FFFFFF,:F:
@A00721:190:HGJW7DSXY:4:2136:9815:34334_2:N:0:TCTGCAAG+GCTGCACT
AGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTC
AATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGT
+
FFFF,F:FF,,FFFFFFFF:F,F,FFFF:FFFFFFFF,FFFF,:FF:FFFFFFFF,FFF
F:FFFFFFFF:F,FFFF:FFF,FFFFFFFFFFFFFFFF:::

@A00721:190:HGJW7DSXY:4:2132:29478:28933_1:N:0:TCTGCAAG+GCTGCACT
TCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGAGCGATCTTACTCGTTATCGGAG
CTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGAGGTGATCTCTCT
GCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1250:9896:9204_1:N:0:TCTGCAAG+GCTGCACT
AGAGAAAAGATTGAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTT
TCCCTTTTATAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGA
ATC

+

FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF:FFFFFF:FF:FFFF:
FFFFFF: :FFF
FFF

@A00721:190:HGJW7DSXY:4:2109:11080:25034_1:N:0:TCTGCAAG+GCTGCACT
ACCGGTCTCTAAATCTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTC
TTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTCA
GCT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2209:4065:26349_2:N:0:TCTGCAAG+GCTGCACT
CCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTT
GAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGAT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1453:2284:27774_2:N:0:TCTGCAAG+GCTGCACT
CTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCG
TTTCAACACTTATCACCACCTTTTGAAAGGAAAATAATTTGTGATGAAA

+

FFFFFFFFFFF:FF
F:FFFF:FF:FF,FFFF:FF:FFFF,FFFFFFFFF:,FF:FFFF

@A00721:190:HGJW7DSXY:4:2134:1298:20306_2:N:0:TCTGCAAG+GCTGCACT
ACGTCTTAAGTAATTTGGATGTTGTGAAAACATCAGGTTCTTGTACGATTCTTAAAGAAGTTTA
TAAAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1622:18819:25128_1:N:0:TCTGCAAG+GCTGCACT
CTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAG
TTAGGGAGTGGCTAGGTTTTAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCAG
AGT

+

FFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2140:13612:35055_1:N:0:TCTGCAAG+GCTGCACT
CTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGA
GGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGAC
AAA

+
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2141:26078:13338_1:N:0:TCTGCAAG+GCTGCACT
AGGTATGTGTACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTG
ACGTCATTACAGTCTGGAAGTTAGATCATTTGTT CAGGAAGATCTCTACAGAGATTATCGAGAGTTGT
GAT
+
FF:FFFFFFFFFFFFFFFF
FFFFFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:2519:19190:24173_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCA
GGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGA
GTC
+
FF:F:FFFFFF:
FFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2438:3323:32863_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCT
TTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGC
+
FF
FFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:2516:25545:30358_1:N:0:TCTGCAAG+GCTGCACT
AAGGTTCTATTACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTA
GCCGCTGAGATTGCTCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAA
CGA
+
FFFFFFFFFFFFFFFFF:FFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2346:12943:2049_1:N:0:TCTGCAAG+GCTGCACT
GGTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCC
GTGGACTTGGGAAGAGATTAAACATAAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTG
TCG
+
FF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,F:FFFF:FFFF:FFFFFFFFF,FFFF
FFF:FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1208:7075:12242_2:N:0:TCTGCAAG+GCTGCACT
TTCTCGCTCGCATTTACAAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTGCG
GAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAA
+
FF
FF:FFFFFF:
@A00721:190:HGJW7DSXY:4:1144:5936:17628_1:N:0:TCTGCAAG+GCTGCACT
GGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTG
TCTCCACTGATTGGAATTAGAGAAAGACGACCTTCTTGTTGGGGACTGAGACCTCTGAATTTTCAGGG
TGC
+

FF
FFF

@A00721:190:HGJW7DSXY:4:2313:22589:4288_1:N:0:TCTGCAAG+GCTGCACT
ACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAG
AAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGAGAAAACCTGATATGGTTGC
+

F,::F,F,F:F,FFF:FFF,FFFFFFFF:F,F::FFFF,FF:FFFF,FFFFF:FFFFFFFF,FFF,FFF
FFF,,FFFF::FFFF:FFFF,F:,FF,F:,F:FFF::FFFFFFFFFFFF::F:F:FF:FFFF:F

@A00721:190:HGJW7DSXY:4:2415:29179:3333_2:N:0:TCTGCAAG+GCTGCACT
CTCGGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAA
AGTTTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAA

+
FF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1578:15736:9392_1:N:0:TCTGCAAG+GCTGCACT
TCCAAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAACTGAATCCA
CTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGTCTACGTACTGT
TCA

+
FFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1112:6714:26616_1:N:0:TCTGCAAG+GCTGCACT
CGATCTAGTCGATTGATTTTGTGACTACGATCTCTTTGTAATAAGAAGTTCTTCGCAGTTGAATCT
CCACCAGGTGGAGGGAAGACCACTGAACTTATAGCGACTTTTGTCAATTTTTCGCAAAGGTCTTGA
AGT

+
FF
FFFFFFFFF,FFFFFFFF:F:FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2513:5819:36245_2:N:0:TCTGCAAG+GCTGCACT
ACTGCTAATCGTAATTCGCGAGAAGAGATAGTACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTAT
TTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAG

+
FFFFFFF:FF:FFFFFFF:
FF

@A00721:190:HGJW7DSXY:4:1262:9155:28087_1:N:0:TCTGCAAG+GCTGCACT
GTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAA
GGCGGCTTATACCATAGGTTACGGTGATTCCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGC
AA

+
FFFFFFFFFFFFF:FF,:FFF:FFFFFF,FFFFF:,FFFFFFF:FF:FFFF:FFF:FFFF,FFFFFFFF
FFFF:FFF:FFFFFFFFFFFF,F:FFFFFFF,,:FFFFFFFFFFFF:FFFFFFFFFFFF,FF,FF:FFF,
F:

@A00721:190:HGJW7DSXY:4:2209:16857:13870_2:N:0:TCTGCAAG+GCTGCACT
ATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGT
TTGTCGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTAG

+
FF:FFF
FF

@A00721:190:HGJW7DSXY:4:1627:10818:11678_1:N:0:TCTGCAAG+GCTGCACT
CTTGGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTATGAAGTTCAAGGTAATACTTACCA
GCACGTTGCGCTGGTTAGAATTAACCTCAAGATGACCCTGTTTTTGCATCACAAACACATATTACCG
TTG

+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2106:18728:10160_2:N:0:TCTGCAAG+GCTGCACT
ACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAC
TGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGG
+
FFFFFFF,FF:FFFFFFFFF,FFF:FF:FFFFF:FFFFFFFFFFFFFFF:FFFFFFF:FFF
FFFFFFFF:FFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2364:30156:33833_2:N:0:TCTGCAAG+GCTGCACT
AGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCT
GCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACCACTTAACG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2321:13150:5760_1:N:0:TCTGCAAG+GCTGCACT
TCCGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTT
TATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCC
GAT
+
FF,F,:FFFF,F:::FF,:F:FF:FFFF,F,FFFFFFFFFFFFFFFFFFFFF:F:FFF,F:F
FFFF:,F,F:,FF::FFF:FFFF:FF:FFFFFFF,F,F:FF:FFFFFFFFFFFF:FF:FF:F:F::
F::
@A00721:190:HGJW7DSXY:4:2569:18792:1313_1:N:0:TCTGCAAG+GCTGCACT
CCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCAACGAAAGACATATCGCAC
CCGAAATTTTTGGGCAGAATGCTCTTAACGCGTTCTTGAACGGTGTTTTGATCAGTCTAAGTTGGAT
AAA
+
FF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2647:8712:4492_2:N:0:TCTGCAAG+GCTGCACT
GAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAA
ATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTC
+
FFF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2272:14127:16219_1:N:0:TCTGCAAG+GCTGCACT
ATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCAAAATTTATTAATGCA
ATTTTCGGACCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTAT
GTA
+
FFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2637:3197:26099_2:N:0:TCTGCAAG+GCTGCACT
TTCGATGCTGAATTTCTTGAACCTTGGAGTGCCAGTGAATATTTTGTACGCGCAGGAGTATCCATAA
CGATTTGTCAATTAACACCTTTGCTCAACGACGAAGTGAACGGCAA
+
FFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF
@A00721:190:HGJW7DSXY:4:1261:30698:2581_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTCCGATCTATTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTCGCT

GGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAA
TGG

+

FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2426:12861:26271_2:N:0:TCTGCAAG+GCTGCACT
AGGTTGTTGTTTGGCGATTAGCTCTTGCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTAT
TCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2366:16712:20478_1:N:0:TCTGCAAG+GCTGCACT
TGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTCTGTGAAAATTTTGATGCGGTTTCATAAGA
TTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGT
ATC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2268:5005:27571_2:N:0:TCTGCAAG+GCTGCACT
TCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTT
ATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATAGATCGGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2310:13684:18897_2:N:0:TCTGCAAG+GCTGCACT
AGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTCTTGTGTTTCTTCT
TCGTTGCACTGATTTTTCTCATCAGCTTGTGTTTTACCTAAGCTGTG

+

F:FFFFFF:,,FFFFFF,,FFFFFF:FFF::FF,FFFF,FFFFFF,,F:FF:F,,::,F:FFF:F
FF,:F,FFFFFF,FFFF:F:FFFF:FFFF:FFFFFF,FFF,,:F,F

@A00721:190:HGJW7DSXY:4:2260:3387:34068_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTT
TGACCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTC

+

FFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:F:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2630:22064:16282_2:N:0:TCTGCAAG+GCTGCACT
TTTTGTCTTCTTGTGTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAACGCACTAA
AACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGC

+

FFF:FF::FFFFFFFFFFFFFFFFFFFFFFFF
FFFF::F:F:FFF:FFFFFFFF:FFFFFFFFFFFFFFFF:,F:F:FF

@A00721:190:HGJW7DSXY:4:2341:24487:28244_2:N:0:TCTGCAAG+GCTGCACT
GGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTCTACTGTCTGTCTCGCCTCTTC
GAATGAAGTTTAAATGCTTAACAACAATGATAGTGAATTTATACCTAC

+

FFFFFFFF:FF:FFFF:FFFFFFFFFFF:F,FFFF
FFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F::F

@A00721:190:HGJW7DSXY:4:1540:23167:30342_1:N:0:TCTGCAAG+GCTGCACT
TTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGG
AGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGAC
GTG

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1127:12264:18662_2:N:0:TCTGCAAG+GCTGCACT
TACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACT
TCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1417:13105:21840_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2223:29053:33865_2:N:0:TCTGCAAG+GCTGCACT
TCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTA
TGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2165:5945:36871_2:N:0:TCTGCAAG+GCTGCACT
AGTGTTATTTATTCTGGTGGTGTATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC
+
FFFFF:FF
FFFFFFFFF::FFFFFFFFFFFFFFFFF::FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2325:17255:9549_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAG
+
FFFFFFFFF:FFFF:FFFFFFFFF:F,FF:FFFF::FFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2540:16839:6950_1:N:0:TCTGCAAG+GCTGCACT
GATCTTGCAGAGTGACTGGAGTTCAGACGTGTCTCTTCCGATCTCTTGCTGAAACAGCTATTAAAGC
TGTTGAGCGTGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCT
+
F,FFF,FFFF,FF:FFFFFFFF:F:FFF,FFFF:FF,FFFFFFFFF,:FFFFFFFF:FFFFFFFFFFFF
FFFFFFFFF:F,F:F,FFF:FF:FF,:FFFF:FFFF:FF:,FF:FFF:F:F:FFFF:FFFFFFFFFFFF
F,
@A00721:190:HGJW7DSXY:4:1575:2383:35806_2:N:0:TCTGCAAG+GCTGCACT
CAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGA
AGACTGTGATTTATCTTTCACTCTGGCCTTGATGAGGGTGTCTTCTAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1370:27796:35947_2:N:0:TCTGCAAG+GCTGCACT
AATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTG
GATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGAT
+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF:FFFFFFFF
```

 $+$ $+$

+

+

+

+

+

TATTACGGATTACACGGTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTATTAACCTTA
TAA

+

FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2357:24695:9439_2:N:0:TCTGCAAG+GCTGCACT
CATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAAATAAATA
AATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAG

+

FF
FF,FFFFFFF

@A00721:190:HGJW7DSXY:4:1226:22670:7780_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG

+

FFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FF
F:F

@A00721:190:HGJW7DSXY:4:1323:10917:30232_1:N:0:TCTGCAAG+GCTGCACT
GAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTT
TTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTC
GAA

+

FFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1344:7699:20838_2:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2122:29026:25739_1:N:0:TCTGCAAG+GCTGCACT
GTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTC
GTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGT
ATA

+

FF
FFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1605:19497:34444_1:N:0:TCTGCAAG+GCTGCACT
TGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCCACAGATTTGTCTACG
TTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGT
TAC

+

FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1365:10673:3537_2:N:0:TCTGCAAG+GCTGCACT
CGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTAC
GTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTT

+

FF
FF
@A00721:190:HGJW7DSXY:4:2103:1181:6136_1:N:0:TCTGCAAG+GCTGCACT
AATACTCACTATCGTTTTCTGATTTTTCTTAGCTAATAGATTAATAATGGATGAGTACGAAAACCAAC
TCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGA
GTT
+
FFFFF:,FFFFFF, :FFFFFF, :FFF:,FFF:FFF:FF,FFF, :FFF,F,FFFF:FFF,FFFF:FFF
:FFF,FFFF,FFFFFFFF:FFFFFFFF,FFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFF:FF,FFF
FFF
@A00721:190:HGJW7DSXY:4:1254:21287:28526_2:N:0:TCTGCAAG+GCTGCACT
CGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT
TATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACT
+
FFF
FF:
@A00721:190:HGJW7DSXY:4:2137:24126:18223_1:N:0:TCTGCAAG+GCTGCACT
TTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTATGTACTTA
TTGTAACGATCATTCTTTCGAGTTTTGTCATTCTTATTCTTTTATTCCTTAACTGTGTATGAGGAGG
ATT
+
FFF
FFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFF::FFFF, :FFFF:FFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1537:28366:30921_1:N:0:TCTGCAAG+GCTGCACT
TCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAA
ATGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAGGGTATCAC
TAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1427:26178:14450_1:N:0:TCTGCAAG+GCTGCACT
GACTTTAGTCAAGGAACCTTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATC
AAATTTGACAAATTTTAGAAGCTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAG
GAT
+
FF,FFFFFFFF:FFFFFFFF,FFFFFFFFFFFF:FFFFFFFF:FFF,FFFFFFFFFFFFFFFF:F:FFFFFF
:FFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FF:
@A00721:190:HGJW7DSXY:4:2305:30888:28714_2:N:0:TCTGCAAG+GCTGCACT
ATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGA
TTTGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1672:31042:15953_2:N:0:TCTGCAAG+GCTGCACT
TTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAG
AAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAG
+
FFFFF:FFFFFFFFFFFF:FFFF,FFFF::FFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFF:FFFF:F:FF,FFF:FFFF:FFFF:FF:FF
@A00721:190:HGJW7DSXY:4:2412:18493:34710_2:N:0:TCTGCAAG+GCTGCACT
TATAAGTTACACACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACA

TTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCT
+
FFFFF:FFFFF,FFFFFFFF:FFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FFF
@A00721:190:HGJW7DSXY:4:2111:4562:14246_2:N:0:TCTGCAAG+GCTGCACT
TCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCA
ATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATA
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:1377:25129:3865_1:N:0:TCTGCAAG+GCTGCACT
CTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTT
ACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGC
TTC
+
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFF:F:FFFFF,FFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1551:32741:26287_1:N:0:TCTGCAAG+GCTGCACT
CCATGACCAATCATCGCTCCAAGTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAG
ATCGGCACCACTGGTCTCTACGTTACAGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGC
AC
+
FFFFFFFFF,,FFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFF,FFFFFFFFFFFFF,:FFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1326:7129:29434_1:N:0:TCTGCAAG+GCTGCACT
GGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCAACCGAGGTGCTCGTAAC
ATTGACGGCAGTCCCGTCATCTCTGTGGGAACTGAGGCAGTACCTCAGTCAAAGTCACATTCACCAC
TCC
+
FFFFFFFFF:FFFFF:::FF,,FFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFF:FFFFFFFFFFFF:
FFFF,FFFF,FFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1326:22824:8735_2:N:0:TCTGCAAG+GCTGCACT
TGTGACTATACAGTTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCT
CCGCTGGCACGAAGAACAACCTCCCAAGCCAATCAATAGTTCTTCTGACC
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:2307:15727:15389_2:N:0:TCTGCAAG+GCTGCACT
AGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGG
TCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGA
+
FFF,FFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1268:19407:36730_2:N:0:TCTGCAAG+GCTGCACT
GGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTG
GGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGA
+
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2225:3748:2785_1:N:0:TCTGCAAG+GCTGCACT
CTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCGTCACTGAGGACGAAGGTGAGAGGA

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2673:14696:24815_1:N:0:TCTGCAAG+GCTGCACT
AGGTATGTGTACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCTGTTG
ACGTCATTACAGTCTGGAAGTTAGATCATTTGTTGAGGAAGATCTCTACAGAGATTATCGAGAGTTGT
GAT

+

FFFFFFFFFFFF:F:FFFFFFFFFFFF,FFFFFFFFFFFF:FFFFF:FFFFF:FF,FFFFFFFFFFFFFFFFFFFF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2577:12373:32315_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGAATATGACAGAAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCA
GGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGA
GTC

+

FFF:FF:FFFFF
FFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2530:26313:22482_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCT
TTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGC

+

FF
FF
@A00721:190:HGJW7DSXY:4:1453:11885:36260_2:N:0:TCTGCAAG+GCTGCACT

CTATTACCACCCTTGTCTATTGATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCT
GAGATTCGTCTTACCTATTTACAATCTGTAGAGAGAGAGGAGATCGGA

+

FF
FFFF:FF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1349:18150:15922_1:N:0:TCTGCAAG+GCTGCACT
GTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTACATTGCGTGATCACTTCCCG
TGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGT
CG

+

FFFF,FFFFFF,FFFFFFFFFFFFFFFF:, :FFFFFF,FF:FFF,FFFFFF,FFFFFF, :F:, F:FF:FF
FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFF,F:FFFF:FFFFFF
FF

@A00721:190:HGJW7DSXY:4:1272:13078:4820_2:N:0:TCTGCAAG+GCTGCACT
TTCTCGCTCGCATTTCAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGC
GAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1259:27245:10598_1:N:0:TCTGCAAG+GCTGCACT
GGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACGTG
TCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGG
TGC

+

FF:FF
FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1243:31403:27884_2:N:0:TCTGCAAG+GCTGCACT
TTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAG

$+$

@A00721:190:HGJW7DSXY:4:1373:13819:2033_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCA
GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT

+

@A00721:190:HGJW7DSXY:4:2174:30237:16313_1:N:0:TCTGCAAG+GCTGCACT
TCCAAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAAACTGAATCCA
CTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGTCCTACGTACTGT
TCA

+

@A00721:190:HGJW7DSXY:4:2551:26928:33160_1:N:0:TCTGCAAG+GCTGCACT
CGATCTAGTCGATTGATTTTGTGACTACGATCTCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCT
CCACCAGGTGGAGGGAAGACCACTGAACCTTATAGCGACTTTTGTCAATTTTTCGCAAAGGTCTTGA
AGT

+

@A00721:190:HGJW7DSXY:4:2669:7111:3380_2:N:0:TCTGCAAG+GCTGCACT
ACTGCTAATCGTAATTCGCGAGAAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTAT
TTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAG

+

@A00721:190:HGJW7DSXY:4:1233:24478:1235_1:N:0:TCTGCAAG+GCTGCACT
TCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGG
CGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTC
GCA

+

@A00721:190:HGJW7DSXY:4:1315:13313:32941_1:N:0:TCTGCAAG+GCTGCACT
ACATCAACGACCTCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGAC
GTTTGTGCGCAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACAC
TAT

+

@A00721:190:HGJW7DSXY:4:1635:30282:12540_1:N:0:TCTGCAAG+GCTGCACT
CTTGTAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTTCATGAAGTTCAAGGTAATACTTACCA
GCACGTTCTGGCTGGTTAGAAATTAACCTCAAGATGACCCTGTTTTTGCATCACAACACATATTACCG
TTG

+

FFFFFFFFFFFFFF.F::FF:FFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFF

FFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2135:1090:18067_2:N:0:TCTGCAAG+GCTGCACT
ACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAC
TGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGG
+
:FF
FF
@A00721:190:HGJW7DSXY:4:2605:21784:36276_2:N:0:TCTGCAAG+GCTGCACT
AGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCT
GCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACCACCTTAACG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2622:2266:22106_1:N:0:TCTGCAAG+GCTGCACT
TCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAAGGCTAATACCTT
TATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTAGCTGTATCATCAGTCAGAGTATACCC
GAT
+
FFFFF,FFFFFFFFFFFF::FFFF:FF
FF,FF:FFFF
F:F
@A00721:190:HGJW7DSXY:4:2172:22336:27367_1:N:0:TCTGCAAG+GCTGCACT
CAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCACAACGGAAAGACATATCGCACC
CGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGATCAGTCTAAGTTGGATA
AA
+
F::FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF::F,:FFF:F,FFFF:FFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFF:FFF,FFFF:FFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF::FF
:F
@A00721:190:HGJW7DSXY:4:1237:23448:21371_2:N:0:TCTGCAAG+GCTGCACT
TCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCA
ATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGA
+
FF
FF::,FFFF
@A00721:190:HGJW7DSXY:4:2556:23086:10160_1:N:0:TCTGCAAG+GCTGCACT
ATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCAAAATTTATTAATGCA
ATTTTCGGACCTATCTTTAAGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTAT
GTA
+
FFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2647:20112:7733_2:N:0:TCTGCAAG+GCTGCACT
TTCGATGCTGAATTTCTTGAACCTTGGAGTGCCAGTGAATATTTTTGTCACGCCAGGAGTATCCATAA
CGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAA
+
FF
:FFFFFFFFFFFF:FFF:FFFF:FFFFFFFF,FFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:1271:17418:33505_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTTCCGATCTATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTGGTTGTCGCT
GGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAA
TGG

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1652:15004:27414_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTAT
AAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGG
+
FF:FFFFFFFFFFFFFFFF:FFFFF
FFFFFFFF:FFFFFFFF:FFF,FF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1503:12943:31829_1:N:0:TCTGCAAG+GCTGCACT
CCCAGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACG
GATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGG
TGA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1362:29731:1752_1:N:0:TCTGCAAG+GCTGCACT
CGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCCTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTC
CCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCT
TTC
+
FF:FF:FFFFFFFFFFFFFFFF:FFFFFFFF:FF
FFFFF:FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2227:8820:34209_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCATCAGCTTGTGTTTACCTAATCTGTGTTT
TTACGATAACAACATCATGTTGATTAAGACTCTTCCGAAAGGCGAACT
+
FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFF,FFFF,FFFFFFFFFFFFFFFF:FF:FF:FFFF:FFFF
@A00721:190:HGJW7DSXY:4:1609:20374:31046_1:N:0:TCTGCAAG+GCTGCACT
AGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATA
CTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCG
ACT
+
FFFF:::FFFFFFFFFFFF,FFFFFF:FFFFFF,FFFFFFFF:F:FFFFF,FFF:F,FFFFF
FFFF:FFFFFF:FFFFFF::F:F:FFFFFFFFFFFF:FFFFFF:FFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2639:5611:32440_2:N:0:TCTGCAAG+GCTGCACT
TTTTGTCTTCCTTGTGTTTGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAACGCACTAA
AACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGC
+
FF
FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFF:
@A00721:190:HGJW7DSXY:4:2603:2546:27258_2:N:0:TCTGCAAG+GCTGCACT
GGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTCTACTGTCTGTCTCGCCTCTTC
GAATGAAGTTTAAATGCTTAACAACAATGATAGTGAATTTATACCTAC
+
FFFFFFFFFFFFFFFF,FFFFFFFF:FFFF,FF
FFFFFFFF:FFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:1544:18566:2425_1:N:0:TCTGCAAG+GCTGCACT
TTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGG

AGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGAC
GTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1162:19081:19570_2:N:0:TCTGCAAG+GCTGCACT
TACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACT
TCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAG

+

FF:
FFFFFFFFFFFFFFFF: ,FFFFFFFFFFFFFF:FFFFF:FFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1433:32515:5478_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCAT

+

FFFFF, :FF:F:FFFFFFFFF::F:
FFFFFFFF:FFFFFFFFFFFFFFFF:F:FFFF:FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2548:4580:12054_1:N:0:TCTGCAAG+GCTGCACT
TTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGG
TGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTG
ATG

+

FF
FF,
FFF

@A00721:190:HGJW7DSXY:4:1669:16911:27023_1:N:0:TCTGCAAG+GCTGCACT
GGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACA
ACTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATA
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2437:2130:32550_2:N:0:TCTGCAAG+GCTGCACT
TCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATA
GTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCAT

+

FFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF,FF::FFFFFFFF:F,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2143:32805:30812_2:N:0:TCTGCAAG+GCTGCACT
GAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGG
ATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGACTCTTCGT

+

FF
:FF

@A00721:190:HGJW7DSXY:4:1575:4978:31876_2:N:0:TCTGCAAG+GCTGCACT
CAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGA
AGACTGTGATTATCTTTCACTCTGGCCTTGATGAGGGTGTTTCTAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1371:14335:19272_2:N:0:TCTGCAAG+GCTGCACT
AATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTCGGGCTATCGTTCAGGTGCATGGGGTTG

$+$

@A00721:190:HGJW7DSXY:4:1633:30644:34491_2:N:0:TCTGCAAG+GCTGCACT
TCTAAGGTTAAAGAGTCGATTAACAAGTTGTACTTATCAATTATTTATAGCTGGTTTTTATCTCGA
AAAGTCTATTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATAT

+

@A00721:190:HGJW7DSXY:4:1610:24325:7889_2:N:0:TCTGCAAG+GCTGCACT
 CAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCTCTTTAATGG
 CACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGA

+

@A00721:190:HGJW7DSXY:4:1257:7102:32456_1:N:0:TCTGCAAG+GCTGCACT
TCTGTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTTCAACGTTACCGAGTTTTGTTTCGTACC
TTGATGCTGACTTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCG
AGG

+

@A00721:190:HGJW7DSXY:4:2568:21630:29371_1:N:0:TCTGCAAG+GCTGCACT
ATCTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGGATTTTAATATAAAG
AATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATC
CAT

+

@A00721:190:HGJW7DSXY:4:2565:32163:36933_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTTTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTTCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC

+

@A00721:190:HGJW7DSXY:4:2304:28709:2550_1:N:0:TCTGCAAG+GCTGCACT
TAGTGACATCTGGTCAATTTCTTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATA
CGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCACTTCTTGACAATT
TTC

+

@A00721:190:HGJW7DSXY:4:2469:5104:28307_2:N:0:TCTGCAAG+GCTGCACT
TACACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTT
TAACCTACTTAGACTTTTCTACGATACAAATGATAACTTCTAATTTAC

+

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF::FFFFFFFFFFFF,FFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFF

```


@A00721:190:HGJW7DSXY:4:1430:9588:24674_1:N:0:TCTGCAAG+GCTGCACT
TTGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCA
TATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTTA
TAA

+

FFFFFFFF:FF
FFFFFFFF,FF:FFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2420:21160:2910_2:N:0:TCTGCAAG+GCTGCACT
CATTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAAATA
AATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAG

+

FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1253:14714:28980_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG

+

FFFFFFFFFFF:FFF:F:FF,FFFF:FFFFFFFFFFF:FFFFFFFFF,FFFFFFF:FFF:FFFFFFFF
FFFFFFFFF:FFFF:FF
F:F

@A00721:190:HGJW7DSXY:4:1518:23764:35571_1:N:0:TCTGCAAG+GCTGCACT
GAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTT
TTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTC
GAA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1471:14561:10864_2:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGC

+

FF
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2651:27181:24173_1:N:0:TCTGCAAG+GCTGCACT
GTCCGGAGTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTC
GTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGT
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2256:30861:31829_1:N:0:TCTGCAAG+GCTGCACT
TGGCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCCACAGATTTGTCTACG
TTGCAGATCGCCACTCCAAACACTATATACATTATAAAAATATAAAAATAAGGGAGTCATAACTTTTGT
TAC

+

FFFFFFFFFFF:FFFFFFF,FFFF::FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1577:10013:24940_2:N:0:TCTGCAAG+GCTGCACT
CGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTAC

$+$

@A00721:190:HGJW7DSXY:4:2112:17047:33739_1:N:0:TCTGCAAG+GCTGCACT
AATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAAC
TCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGA
GTT

+

@A00721:190:HGJW7DSXY:4:1270:3260:8516_2:N:0:TCTGCAAG+GCTGCACT
CGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT
TATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACT

+

@A00721:190:HGJW7DSXY:4:2340:10375:9690_1:N:0:TCTGCAAG+GCTGCACT
TTTGGGTATGTTTTGTAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTATGTACTTA
TTGTAACGATCATTCTTTGAGTTTTGTCATTCTTATTCTTTTATTCTTTAACTGTGTATGAGGAGG
ATT

+

@A00721:190:HGJW7DSXY:4:1641:18394:11209_1:N:0:TCTGCAAG+GCTGCACT
TCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAA
ATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACTATTATCCGATTCTTCGAGGGTATCAC
TAC

+

@A00721:190:HGJW7DSXY:4:1540:29758:29230_1:N:0:TCTGCAAG+GCTGCACT
GACTTTAGTCAAGGAAGTTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATC
AAATTTGACAAATTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAG
GAT

+

@A00721:190:HGJW7DSXY:4:2364:19081:34569_2:N:0:TCTGCAAG+GCTGCACT
ATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGA
TTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATAT

+

@A00721:190:HGJW7DSXY:4:2246:11053:23985_2:N:0:TCTGCAAG+GCTGCACT
TTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAG
AAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAG

+

```

FFFFFFFF:FFFFFFFF:FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF
FFFFFFFF:FFFFFFFF:,FFFFFFFF,F:FFFFFFFF:FFF:,FFFF:

```

@A00721:190:HGJW7DSXY:4:2471:29071:11443_2:N:0:TCTGCAAG+GCTGCACT
TATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACA
TTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCT

+

F:FF,FFFFFFFFFFFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF

@A00721:190:HGJW7DSXY:4:2560:11632:25739_2:N:0:TCTGCAAG+GCTGCACT
TCCTTAATATTCTAGTAACCGCTATGTGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCA
ATTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATA

+

FFF:FFFFFFF
FF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1502:13386:2190_1:N:0:TCTGCAAG+GCTGCACT
CTTAATTCAATAGCTTTAGTATTATTTACTATCGCTTTATTGAAAATTGTATAAGAGTTAATTGCTT
ACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATGAAGTCCGC
TTC

+

FFFF,FFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF,:FFFF:FF:FFFF
FFFFFFFFFFFFFFFFF::FFF,,FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:2335:2582:20212_1:N:0:TCTGCAAG+GCTGCACT
CCATGACCAATCATCGCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAG
ATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGC
AC

+

FF:FFFF,:FF,FFFF:FF:F,FF,:F::FF:FFF,FF,F,FF:F:FFFF,F,FFFFFFFFF::
FFFFFFFF:FFFF:FFFFFF::FFFFFFFFFFFFFFFFF:FFF:FFFF,FF,FFFF,FFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1459:21160:9799_1:N:0:TCTGCAAG+GCTGCACT
GGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCAACCGAGGTGCTCGTAAC
ATTGACGGCAGTCCCGTCATCTCTGTGGGAACTGAGGCAGTACCTCAGTCAAAGTCACATTCACCAC
TCC

+

FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2374:15609:35258_2:N:0:TCTGCAAG+GCTGCACT
TGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCT
CCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACC

+

FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2369:28492:15890_2:N:0:TCTGCAAG+GCTGCACT
AGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACGGAGAAGAATAAAGGGAAAGG
TCCATCAGGACCTAAGAAGGGGACATTACCCCTAATTCTGAAGGAAGA

+

FFFFF,FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:F:F,FFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF,,F:

@A00721:190:HGJW7DSXY:4:1517:30680:16736_2:N:0:TCTGCAAG+GCTGCACT
GGGGTTGGGAATAAGAAATCTGCACGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGCGGCTTG
GGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGA

+

FF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2319:21902:3537_1:N:0:TCTGCAAG+GCTGCACT
CTTGACAGAGTACTGGAGTTCAGACGTGTGCTCTTCCGATCTCGTCACTGAGGACGAAGGTGAGAGGA
CTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGA
CGC

+

F:,FF
F:F:FFFFFFFF:FFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2560:31349:33833_2:N:0:TCTGCAAG+GCTGCACT
ACGAGGCCGGTGACGTTTTGTCAACGGCGTTTGGAGGATTTATCCGCGCTTAAGTATGGGGCGAAG
ATCCCCTATTGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGAC

+

:FF
FF
F:F:FFF

@A00721:190:HGJW7DSXY:4:2234:17472:18067_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTTCCGATCTGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCTGCTCTACTA
TTTTTGGCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGT
TTT

+

FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1569:3197:2550_1:N:0:TCTGCAAG+GCTGCACT
TTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCACACATATGGTAGACGTTGTACACTTTTCTTGAA
AATTTTTCCTTCTCCGTCATTGGGGATTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTC
ATG

+

FF,FF
FF
:FF

@A00721:190:HGJW7DSXY:4:2414:20654:7388_1:N:0:TCTGCAAG+GCTGCACT
GACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATT
AAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACT
TCG

+

:FF:F,F:FFFFFF,F:FFFF:FFFF:FFF:FFFFFFFF::FFFF:FFFFFF:FFFFFFF:,FFFF
FFFF,FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2550:22073:31923_2:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACACCTGGAGAAGGCAAGTGGAGAGTCC
AGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTA

+

FFFFFFFFFFFFFF:FFFF:FF
FF
F:FFFF

@A00721:190:HGJW7DSXY:4:2304:1244:5274_2:N:0:TCTGCAAG+GCTGCACT
CTTTGGAGTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTT
AAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATATAA

+

FF
FF
F:FFFF

@A00721:190:HGJW7DSXY:4:2441:10610:23594_1:N:0:TCTGCAAG+GCTGCACT
TTTGAGTATCGACAGATCTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAAGTACC
ATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCACTACTCCGATCAGATCCGGATGGT
TTG

[illegible]

@A00721:190:HGJW7DSXY:4:2169:26286:2331_1:N:0:TCTGCAAG+GCTGCACT
TCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGACGATCTTACTCGTTATCGGAG
CTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGAGGTGATCTCTCT
GCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2335:24162:4445_1:N:0:TCTGCAAG+GCTGCACT
AGAGAAAAGATTGAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTT
TCCCTTTTATAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGA
ATC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2152:15076:30733_1:N:0:TCTGCAAG+GCTGCACT
ACCGGTCTCTAAATCTTTTGAAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTC
TTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTCA
GCT

+

:FF
FFFFFFFFFFFFFFF:FFFFF:FFF:FF:FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2262:7093:22733_2:N:0:TCTGCAAG+GCTGCACT
CCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTT
GAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGAT

+

FFFF:FF
FFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2259:16532:36730_2:N:0:TCTGCAAG+GCTGCACT
CTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCG
TTTCAACACTTATCACCACCTTTTGAAAGGAAAATAATTGGTGATGAAA

+

FFFFFFFFFFFFFFFFF:FF
F:FFFF:FF:FFFFFFFF:F::FF:FFF:FFFF:FF,F,FFFF::FF

@A00721:190:HGJW7DSXY:4:2447:5611:35916_2:N:0:TCTGCAAG+GCTGCACT
ACGTCTTAAGTAATTTGGATGTTGTGCAAACTATCAGGTTCTTGTACGATTCTTAAAGAAGTTTA
TAAAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCA

+

FFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1637:26549:12712_1:N:0:TCTGCAAG+GCTGCACT
CTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAG
TTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAG
AGT

+

FFFFFFFFFFFFFFF,FFFF:FFF:FFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1159:29803:19132_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCA
TTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTA
CAC

+
FFFFFFFFFFFF,FFF:FFFFFF,FF,FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
F:FFFFFFFFFFFFFFFF,FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1220:25482:3630_2:N:0:TCTGCAAG+GCTGCACT
CTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAG
GACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1658:13602:19445_1:N:0:TCTGCAAG+GCTGCACT
GTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATG
AAAGCTCTTTATGAGGTGCTCCATGCAATTTACAGTTCCTCTTGGTGATATCGCCTCTGTCCTTTC
TCC
+
FFFFFFFFFFFFFFFF:FFFFFFFF::F:F:FFFF:FFFF:FFFFFFFF:FFFF:FF:FFF,FF
FFFFFFFF:FFFFFFFFFFFFFFFF:F:FFFF:F::FFFFFFFFFFFFFFFF:FFFFFFFF:FFFF,
F:F
@A00721:190:HGJW7DSXY:4:1508:22670:1391_2:N:0:TCTGCAAG+GCTGCACT
CTATTACCACCCTTGTCAATTGATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCT
GAGATTCGTCTTACCTATTTACAATCTGTAGAGAGAGAGGAGATCGGA
+
FF
FF:FFFF:FF
@A00721:190:HGJW7DSXY:4:1228:21115:16235_1:N:0:TCTGCAAG+GCTGCACT
GTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCG
TGGACTTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGT
CGA
+
FF:FF:FFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFF:F,F,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2274:8142:22232_2:N:0:TCTGCAAG+GCTGCACT
TTCTCGCTCGCATTTCAACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTGCG
GAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAA
+
FF
FF: ,
@A00721:190:HGJW7DSXY:4:1375:3351:12712_1:N:0:TCTGCAAG+GCTGCACT
GGATCCTGATGACATTATTTCAACGATACCGATCTCAGTTCTACCACAGAAACGCTCAGGAAGT
TCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGG
TGC
+
FF:FFFFFFFF
FFFFFFFF:FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1262:9561:11475_2:N:0:TCTGCAAG+GCTGCACT
TTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAG
AATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAG
+
F:FF
FFFFFFF,FFF:F::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1508:16278:35540_2:N:0:TCTGCAAG+GCTGCACT
TGTTGCGGCTGATCGTACCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCA

GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT
+
FF
FF,
@A00721:190:HGJW7DSXY:4:2177:29631:24972_1:N:0:TCTGCAAG+GCTGCACT
TCCAAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAAACTGAATCCA
CTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGTCCTACGTACTGT
TCA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2615:32045:33442_1:N:0:TCTGCAAG+GCTGCACT
CGATCTAGTCGATTGATTTTGTGACTACGATCTCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCT
CCACCAGGTGGAGGGAAGACCACTGAACTTATAGCGACTTTTGTGAATTTTTCGCAAAGGTCTTGA
AGT
+
FFFFFFF:FFF
FFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1226:29668:25661_2:N:0:TCTGCAAG+GCTGCACT
CTGCTAATCGTAATTCGCGAGAAGAGATAGTACTAAAGTTTGGCACTTCTAGTTCATCGCGGTATT
TGTGAAATTAAGACAGACGTGAAAGTTCTGATGAGTGATCGTATTAGA
+
FFFFFFFFFFFF:FFFFFFFFFFFFF,FFF
FFFFFFFF,FF,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1666:21820:1861_1:N:0:TCTGCAAG+GCTGCACT
TCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG
CGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTC
GCA
+
::FFFFFFFFFFFF:FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1370:2935:31000_1:N:0:TCTGCAAG+GCTGCACT
ACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGAC
GTTTGTGCGAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGACAC
TAT
+
FFFFFFFFFFFF:FFF
FFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1635:30960:10770_1:N:0:TCTGCAAG+GCTGCACT
CTTGGTAAGAGTAAGGTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAGGTAATACTTACCA
GCACGTTGCGCTGGTTAGAAATTAACCTCAAGATGACCCTGTTTTTGCATCACAAACACATATTACCG
TTG
+
:FF,FFFF,F,FFFF:,FFFFF:FFFF,FF:FFFF,FFFFFF:F,FFFFFF:FFF,FFF,FF,FFFF
FFFF:FF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2137:16658:7827_2:N:0:TCTGCAAG+GCTGCACT
ACGATACTTTGTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAC
TGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGG
+

FF
FF
@A00721:190:HGJW7DSXY:4:1402:22589:16501_1:N:0:TCTGCAAG+GCTGCACT
AGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAG
ATTTCTTAGAAGAGGTTATTCCTGGAACCACCTTAACGTCACTCGTAATCTTTCAGCCGAATTAAGT
ACT
+
FF:FF
FFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2626:6008:11365_2:N:0:TCTGCAAG+GCTGCACT
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTT
AGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAA
+
FFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1636:8883:32471_1:N:0:TCTGCAAG+GCTGCACT
GAAAGACATATCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGA
TCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGG
TCA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1128:21992:10958_2:N:0:TCTGCAAG+GCTGCACT
AGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGA
AAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATA
+
FFFFFFF:FF
FFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:2125:17137:6089_1:N:0:TCTGCAAG+GCTGCACT
CTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAG
ATGACCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGG
TGA
+
FFFFFFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1220:13602:33786_2:N:0:TCTGCAAG+GCTGCACT
TCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATTTTGTACGCCAGGAGTATCCATAAC
GATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAAC
+
FF
FF:FF
@A00721:190:HGJW7DSXY:4:1463:23375:8750_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTTCCGATCTATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTGCGT
GGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAA
TGG
+
FFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFF:FFF,F::FFFFFF,FFFFFFFFF:F:FFF
FFFFFF,FFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:2214:32325:27226_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTAT

+

@A00721:190:HGJW7DSXY:4:1528:16613:14763_1:N:0:TCTGCAAG+GCTGCACT
CCCGACCTTTCCTTGTGAAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACG
GATTTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGG
TGA

+

@A00721:190:HGJW7DSXY:4:1655:7600:33974_1:N:0:TCTGCAAG+GCTGCACT
CGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTC
CCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCT
TTC

+

@A00721:190:HGJW7DSXY:4:2614:25427:11647_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCCTCATCAGCTTGTTTACCTAATCTGTGTTT
TTACGATAACAACATATCAGTTGATTAAGACTCTTCCGAAAGGCCAACT

+

@A00721:190:HGJW7DSXY:4:2219:7102:16548_1:N:0:TCTGCAAG+GCTGCACT
AGCTCAGGGTGAAGCACACGTTTGACCGTGACGAAGTGTGGTGTTCCTTGATCTACGTTACGGATATA
CTCTCCTTGAGTTCACCTCGTAAGGACACTACCACCTTATTACGATATTTCTTTAGTCGATGGGTTTTTCG
ACT

+

@A00721:190:HGJW7DSXY:4:2653:23113:36511_2:N:0:TCTGCAAG+GCTGCACT
TTTTGTCTTCCTTGTGGTCTTATTCTATTAATCACTCATTTTAGTGAGATTATTAACGCACTAA
AACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGC

+

@A00721:190:HGJW7DSXY:4:2604:6262:25801_2:N:0:TCTGCAAG+GCTGCACT
GGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTC
GAATGAAGTTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTAC

+

@A00721:190:HGJW7DSXY:4:2108:23854:25895_1:N:0:TCTGCAAG+GCTGCACT
TTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGG
AGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGAC
GTG

+

[illegible]

@A00721:190:HGJW7DSXY:4:1563:5249:14121_2:N:0:TCTGCAAG+GCTGCACT
TACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACT
TCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAG

+

FF:FFFFFFFFFFFFFFFF
FF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1449:24749:19460_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTTCAT

+

FF:FFFFFFFFFFFFFFFF:FFFFFFFF:
FFFFFFFFFFFFFFFF,FFFFFFFF:FF:FF

@A00721:190:HGJW7DSXY:4:2615:25545:8625_1:N:0:TCTGCAAG+GCTGCACT
TTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGG
TGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTG
ATG

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2160:27462:20713_1:N:0:TCTGCAAG+GCTGCACT
GGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACA
ACTTTCAGTTTCACAACTGAAGGAGGAGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATA
ATA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2610:28818:31454_2:N:0:TCTGCAAG+GCTGCACT
TCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATA
GTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCAT

+

FFFFFFFFFFFFFF:FF:FFFFFFFF
FFFFFFFFFFFFFFFF:FF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2346:18177:1282_2:N:0:TCTGCAAG+GCTGCACT
GAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGG
ATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGACTCTTCGT

+

FF:FFFFFFFFFFFFFF:FFFFFFF
F:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2344:28501:29716_2:N:0:TCTGCAAG+GCTGCACT
CAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGA
AGACTGTGATTTATCTTTCACTCTGGCCTTGATGAGGGTGTTTCTAA

+

FF,FFFFFFFFFFFFFF
FFFFF:F:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1475:17047:34554_2:N:0:TCTGCAAG+GCTGCACT
AATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTG
GATAGCCAATATTGAAGTGACACCTCTGGTAGTATCGAAGTAAAGAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2327:5312:24878_2:N:0:TCTGCAAG+GCTGCACT
TCTAAGGTTAAAGAGTCGAGTAAACAAGTTGGACTTATCAATTATTTTAAACGCAGGGTGTTATAACGA

+

+

+

 $+$ $+$

+

+

+

FFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1315:32199:31172_2:N:0:TCTGCAAG+GCTGCACT
AATTTTGAGAACTAACTATGTTATGATCTATGATCATTTTGACAATCTCTTCTAATAATAATAAATA
AATAATATTACTAATTGAAAATAGTGGAAGGCTCCAGTCAAACTAG

+

,F::,,FFFF:F,FFF:F,:FFFF:,,,F,FFF::FFFFF,,:F:::,F,,,,:FFF:FFFF:FFF
F:FFF,FF,FF,F::,F,FFF,FF,,,,F,,,,F,:F:,FFF,FF,FF

@A00721:190:HGJW7DSXY:4:1266:26196:36777_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG

+

FFFFFF:FFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2130:19180:16736_1:N:0:TCTGCAAG+GCTGCACT
GAGAAAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTT
TTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTC
GAA

+

FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1556:15935:33661_2:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGC

+

FF
FFF:FFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1143:20971:2707_2:N:0:TCTGCAAG+GCTGCACT
GTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCTAGAAC
CAAGTACTTTCCGTCTGAAGAGTTTAGAGAGATCGGAAGAGCGTCGTG

+

FF
FFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1202:20076:31156_2:N:0:TCTGCAAG+GCTGCACT
GCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTT
GCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAA

+

FF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2511:32497:36229_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTTACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACT
CTA

+

FF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF,F:F:FFF:FF,FFFFFF,:FFFFFFFFF:F:F
FFF

@A00721:190:HGJW7DSXY:4:2115:16269:18584_1:N:0:TCTGCAAG+GCTGCACT
AATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAAC
TCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGA
GTT

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF,FFFFFFFF,FFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1419:6424:7639_2:N:0:TCTGCAAG+GCTGCACT
CGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT
TATGAATCCTGCCTTTACTCATTTTTATAGCAGTTATTTATGTTGTACT
+
FFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2464:4896:15922_1:N:0:TCTGCAAG+GCTGCACT
TTTGGGTATGTTTTGTGAAAAACATGAGATAACCCAAGTCTATCGAAGACATTATCTCTTATGTACTTA
TTGTAACGATCATTCTTCGAGTTTTGTCATTCTTATTCTTTTATTCTTTAACTGTGTATGAGGAGG
ATT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF:FFFFFFFFFFFFFFF,FFF:F:F,FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2157:24704:25175_1:N:0:TCTGCAAG+GCTGCACT
TCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAA
ATGTTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACTATTATCCGATTCTTCGAGGGTATCAC
TAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2134:24008:7968_1:N:0:TCTGCAAG+GCTGCACT
GACTTTTAGTCAAGGAAC TTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATC
AAATTTTCGACAAATTTTAGAAC TTTATTT CAGA ACTCTCTCCGATCACCTTG GTGTGATCTCCC GGAG
GAT
+
FFFF,FFF,FFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2461:5204:25034_2:N:0:TCTGCAAG+GCTGCACT
ATTTTTAAATAGTGATATT CAGCGTATA CT TGAATACTTTATCAAAGATT TGCTTGGTCTATTTACC
GCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTATACTTTAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:2375:17797:25175_1:N:0:TCTGCAAG+GCTGCACT
AACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGT
CGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTT
ACA
+
F,FFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFF:FF
FFFF:F:FFFFFFFFF FFFFF:FFFF:FFFF:FFFF:FFFF:FFFFFFFFFFFF:FFFF:FFFFFFFFF
F:F
@A00721:190:HGJW7DSXY:4:1251:32072:32142_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTTTAATGGTATGGTATAATGTGTCTTAC
AAATAGAACATTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCT
+
FFF:FFF:FF:,FFFF:FFFFFF:FFFF::F:FFFFFFFF:F,FFFF:FFFFFF,F:FFFFFFF
FFFFFFFFF,FFF:FF,:FFFFFFFFF:E::FE,F:F:FFFF:FFFF
```

@A00721:190:HGJW7DSXY:4:2167:1524:12461_1:N:0:TCTGCAAG+GCTGCACT
GCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTT
AGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCT
TT

+

FFFFFFFF:FFFFFFFFFFFFFFFF:FFFF,FF
FF
FF

@A00721:190:HGJW7DSXY:4:1160:14271:33379_1:N:0:TCTGCAAG+GCTGCACT
TTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAAT
GAAC TGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTTGATAAA
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1101:14959:14497_2:N:0:TCTGCAAG+GCTGCACT
ATGACCAATCATCGCTCCAAGTGGCAGCGCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGAT
CGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCT

+

FF
FF
FFFFF

@A00721:190:HGJW7DSXY:4:2267:10547:6042_2:N:0:TCTGCAAG+GCTGCACT
CACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAA
GCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATC

+

FFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1531:6903:18991_1:N:0:TCTGCAAG+GCTGCACT

CTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAG
TTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGAA
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2446:3947:9706_1:N:0:TCTGCAAG+GCTGCACT
CAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGCTAGTCTCTAAGTCTACCAGGAAG
AGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAGGTCCATCAGGACCTAAGAAGGGGAAATT
AC

+

FFFF:FFF,FFFFFFFFFFFF:FFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2642:31792:9048_2:N:0:TCTGCAAG+GCTGCACT
GAAGATCTCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAA
GTGCTGAAGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCC

+

FFFFFFFFFFFF,FFFFFFFFFFFF:FFFF, :FF:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFF
FFFFFFFF:FFFFFFFF:FFFF, :FF, FFFFFFFF, :FFF, :FFFFFF:F

@A00721:190:HGJW7DSXY:4:1434:8006:11631_2:N:0:TCTGCAAG+GCTGCACT
TCTTTGAGACCAAGACTCTCTACAGTAGGTTTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACT
GAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGC

+

FF
FF
@A00721:190:HGJW7DSXY:4:2217:3848:29825_2:N:0:TCTGCAAG+GCTGCACT
CGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTT
TGGAGGATTTTATCCGCGCTTAACCTATGGGGCGAAGATCCCCTATGGA

+
FF
FF
@A00721:190:HGJW7DSXY:4:1124:11324:13620_2:N:0:TCTGCAAG+GCTGCACT
TATTTATGCCGACGATAATAAGCATCACACCATAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAG
AGTGAGAGAGAGTCGCTCAAATAATAATGCACACAAATAGGGCCTTC

+
,FFFFFF,FF,FF,F:FFFFFF,FFF,,,::,F,,FF,FFFF,FF,FF::,FF::,FFFFFF:F,F:F:
F,,F,,F,F,F,F,,FFF:,F:,F::,,F,,,F,FF::,F,,,F,F,
@A00721:190:HGJW7DSXY:4:2115:16369:36699_1:N:0:TCTGCAAG+GCTGCACT
TTAGAGAGCATTAGTAGGAAGTTGGGCAAATCCCACATATGTTAGTCGTTGTCTCTCTTTTCTTGAA
AATTTTCTCTTCTCCGTCATTGGGGATTAGATGTGTGAAGGTGGAAGGTGTCAAGGTCTTCTTC
ATG

+
FFF:F:,FFF:F,F::,,:FF,F:FFF,FF,:FF,FF,FF,F:F,,FFF:,,,,F:,F,:FFFF,
FF,FFFFFF,FFF,,F,F,FFFFFF,FFF:FF,F:FFFF,FFF:FF,FFFF:FFFFFF,,FF,FF:FFF
FF:
@A00721:190:HGJW7DSXY:4:2418:21052:8296_1:N:0:TCTGCAAG+GCTGCACT
GACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATT
AAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACT
TCG

+
FFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2662:7808:22717_2:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCC
AGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGTTACCACTTCCTA

+
FF
FF
@A00721:190:HGJW7DSXY:4:1227:15682:16626_1:N:0:TCTGCAAG+GCTGCACT
TTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTA
AGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTC
GAA

+
FF:FFF,FFFF:FF:FFFF:FFFFFFFF:FFFF,FFFFFFFF:FFF,FF:F:FFFFFFFF,F::F:FFFF
FFFFFFFF:FFFF:FF,FFFFFFFF:FF:FF:FF:FFFFFFFF:FFFF:FFFFFFFFFFFFFFFF
F:F
@A00721:190:HGJW7DSXY:4:2515:31675:22592_1:N:0:TCTGCAAG+GCTGCACT
TTTGAGTATCGACAGATCTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTACC
ATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGT
TTG

+
FFFFFFFFFFFFFFFF:FF
FF:
FFF
@A00721:190:HGJW7DSXY:4:1518:10700:10692_1:N:0:TCTGCAAG+GCTGCACT
ATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGA

FF
FFF

@A00721:190:HGJW7DSXY:4:2356:32235:4398_1:N:0:TCTGCAAG+GCTGCACT
AGAGAAAAGATTACAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTT
TCCCTTTTATAGTTTAGTAGGTGATCTTGACGTGATTCTTTGTATAGGGAGTGTGAGAAGACAACGA
ATC

+
:FF:
FF
FFF

@A00721:190:HGJW7DSXY:4:1318:4788:19648_1:N:0:TCTGCAAG+GCTGCACT
ATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAG
TTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGAGAGGT
GAT

+
FF
FF,FFF,F:FFFF,FFFF:FFFFF:FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1253:8513:21120_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAA

+
FF
FF
FF:FF:FF,FFFF

@A00721:190:HGJW7DSXY:4:2339:31846:4507_2:N:0:TCTGCAAG+GCTGCACT
CTCTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCG
TTTCAACACTTATCACCACCTTTTGAAAGGAAAATAATTGGGGATGAAA

+
FFFFFFF:FFFFFF:FF
F:FF:FFFF:FFF::FFFF,,FFF,:F:FFF:FFF,:FF,,,F:F:,,F

@A00721:190:HGJW7DSXY:4:2456:23873:11898_2:N:0:TCTGCAAG+GCTGCACT
ACGTCTTAAGTAATTTGGATGTTGTGCGAAACTATCAGGTTCTTGTACGATTCTTAAAAGAAGTTTA
TAAAACCTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCA

+
FF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2112:31810:23171_1:N:0:TCTGCAAG+GCTGCACT
CTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAG
TTAGGGAGTGGCTAGGTTTTAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAG
AGT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1204:22670:18803_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGATGAGGTAATAGTTATAAACCTTCTTTTATCA
TTGCAACAGGACTTTGAGAAGACTGTTTGAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTA
CAC

+
FFFFFF,FF,FF,FF,FFFFF:F:F,FFFFFF,F:F,FF::FFFF,FFFF:,,:FF:FFFFFFFF
FF,,,FFFF::,FFF:FFF:FFFFFFFF,,FF:FFF,FFFFFF:F,FF:,FF,FFFFFFFFFFFFFFF
::F

@A00721:190:HGJW7DSXY:4:1250:22218:8093_2:N:0:TCTGCAAG+GCTGCACT
CTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAG

GACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2269:29803:16595_1:N:0:TCTGCAAG+GCTGCACT
GTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATG
AAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCTTCTTTGGTGATATCGCCTCTGTCCTTTC
TCC
+
FF
FF,FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2360:6298:33191_2:N:0:TCTGCAAG+GCTGCACT
CTATTACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCT
GAGATTCTGCTTACCTATTTACAATCTGTAGAGAGAGAGGAGATCGGA
+
FF
FF,FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1408:29297:2691_1:N:0:TCTGCAAG+GCTGCACT
GTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCG
TGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGT
CGA
+
FF
FF,FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2347:21079:7122_2:N:0:TCTGCAAG+GCTGCACT
TTCTCGCTCGCATTTTACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTGCG
GAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAA
+
,FF
FF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:2101:26268:29543_1:N:0:TCTGCAAG+GCTGCACT
GGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTG
TCTCCACTGATTCGGAATTATAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGG
TGC
+
:FFFF,F,FFFF,FFFFFFFF:FF,F:FFF:,FF,FF:FFFFFFFF:F,FFF,:FFFFFFFF,F:
FFF,FFF:,FFF:,,:FF,,F,FF,FFFF:,FFFF:FFFFFF,FFF:FFFFFFFF:FFFFFF
FF:
@A00721:190:HGJW7DSXY:4:1262:9959:9283_2:N:0:TCTGCAAG+GCTGCACT
TTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAG
AATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1508:16306:35462_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCA
GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT
+
F:FFFFFF:FFFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFF
FFFFFF,F:F:FFFFFF,FFFFFFFF:,,FFF:F:FFF
@A00721:190:HGJW7DSXY:4:2246:30138:12414_1:N:0:TCTGCAAG+GCTGCACT
TCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACGCCTCCAGATTACTCTAAACTGAATCCA

CTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTAATGTCCTACGTACTGT
TCA

+

FF
F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2635:31693:3709_1:N:0:TCTGCAAG+GCTGCACT
CAAGTCGATTGATTTTGTGACTACGATCTCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCTCCAC
CAGGTGGAGGGAAGACCACTGAACTTATAGCGACTTTTGTGCAATTTTCGCAAAAGGTCTTGAAGTA
CGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2614:31729:28948_2:N:0:TCTGCAAG+GCTGCACT
TCGTAATTCGCGAGAAGAGATAGTACTAAAGTTTTGGCACTTCTAGTTTCATCGCGGTATTTGTGAAA
TTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTG

+

FFFFFFFFFFFF:FF
FFFFFFFFF,F:FF:,FFFFFFFFFFFFFFFF:FFFFFFFFF,,,FFFF

@A00721:190:HGJW7DSXY:4:2261:1741:15749_1:N:0:TCTGCAAG+GCTGCACT
TCTTTTCATCGACGAATTATTAATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG
CGGATTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTC
GCA

+

F,FFFFF,F::FF,FFFFFFFF,,FFFF::FFF:FFFFFFFF,:FFFFFF,:F:F:FFF,FF:FF:FFF
FFF,FFFFFFFFFFFFFFFFFFFFFFFF::FFF,:FFFF,FFFFFFFFF,,F:F:,FFFF,FFFF:
,FF

@A00721:190:HGJW7DSXY:4:2265:12038:14356_1:N:0:TCTGCAAG+GCTGCACT
ACATCAACGACATCATTCTTGATGAGTGCTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGAC
GTTTGTGCGCAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGACAC
TAT

+

FF,FFFFF:F,,FFFFFFFF:FF
FF:FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2324:1515:20181_1:N:0:TCTGCAAG+GCTGCACT
CTTGTAAGAGTAAGGTAAATGTGAAGATGCTCAGACTATTTCATGAAGTTCAAGGTAATACTTACCA
GCACGTTGCGCTGGTTAGAATTAAACCTCAAGATGACCCTGTTTTTGCATCACAAACACATATTACCG
TTG

+

FFFFFF:FFF:FFF:FFFF:F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1474:1597:18912_1:N:0:TCTGCAAG+GCTGCACT
GTTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGCACGTTT
AGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTG
TTG

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2231:19777:8343_1:N:0:TCTGCAAG+GCTGCACT
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA

CCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGAT
CGA

+

FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2521:1904:22326_2:N:0:TCTGCAAG+GCTGCACT
GGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGT
CAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCT

+

:FFF,FFFF:FF:FF:FFFFF:,F:F,:FF,F:F:FF:F,, :FFFFFFFF:
FFFFFFFFFFFFFFFFFFFF,FF:::FFFFFFFFFFFF:FFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2535:1289:23359_1:N:0:TCTGCAAG+GCTGCACT
GAAAGACATATCGCACCCGAAATTTTTGGGCAGAATGCTCTTAACGCGGTTCTTGAACGGTGTTTTGA
TCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGG
TCA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1369:1389:4867_2:N:0:TCTGCAAG+GCTGCACT
AGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGA
AAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATA

+

FF
FF:FFFF,F:FFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2361:19226:7106_1:N:0:TCTGCAAG+GCTGCACT
CTATCTTTAAGGTTATTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAG
ATGACCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGG
TGA

+

FF:FFFF, :FFFF,FFFFFFFFFFFFFFFF,FFF,FFF,FFFFFFFFFF:FF::FFFFFFFFFFFFFFFF:,F:
FFFF,FF:F::F:FFFFFFFFF,FFFFFFFF:FFFF,F:F,FFFF:,FF:,FFFF,F,FF::FF::FF
FF:

@A00721:190:HGJW7DSXY:4:1220:14344:34569_2:N:0:TCTGCAAG+GCTGCACT
TCGATGCTGAATTTCTTGAACCTTGAGTGCCAGTGAATATTTTTGTACGCCAGGAGTATCCATAAC
GATTTGTCATTTACCACCTTGCTCAACGACGAAGTGAACGCCAAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2174:24352:27289_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTTCCGATCTATTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTGGTTGTGCGT
GGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAA
TGG

+

FFFFFFFFFFFFFFFFFFFF:FFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2222:26585:21887_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTAT
AAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGG

+

FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1628:16080:18787_1:N:0:TCTGCAAG+GCTGCACT
CCCCACCTTTCCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACG
GATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGG
TGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1669:12093:20556_1:N:0:TCTGCAAG+GCTGCACT
CGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTC
CCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCT
TTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2624:12653:11036_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCTTTGTTTCTTCTTTGCACTGATTTTCTCATCAGCTTGTGTTTACCTAATCTGTGTTT
TTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGCGAACT

+

F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2439:1515:1736_1:N:0:TCTGCAAG+GCTGCACT
AGCTCAGGGTGAAGCACAAACGTTTGACCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATA
CTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCG
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1232:27254:25426_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTATTAATCACTCATTTGAGTGAGATTATTAACACGCACTAAACGCTCTTCGA
CAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATT
GGT

+

FF,FFFFFFFF:FF:F,FFF,,FFFFFFFF,F,FFFF:F,FFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFFFF:F,FFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFF,FF,FFFFFFFFFFFFFFFF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2566:4119:22654_1:N:0:TCTGCAAG+GCTGCACT
CCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTTTAAATGCTTAACAACAATGATAGTGAA
TTTATACCTACAATCATTGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTAC
TCA

+

F:FFFFFFFF,FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:1204:7229:9565_2:N:0:TCTGCAAG+GCTGCACT
TCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCT
AAATTAACCATTTGTACGATGTCGTCTGTCTCGGCGAGATCGGAAGA

+

FF:FFF::FFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF,F:FFFF,FFFFFFFF::F
FFFFFFFFFFFF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1436:23466:24001_1:N:0:TCTGCAAG+GCTGCACT
TCGTTTCTTTCTTTATCTCTTTGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGT

TTGGTCGTTTTAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACG
TAC

+

FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
::FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1472:18367:29293_2:N:0:TCTGCAAG+GCTGCACT
TCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCA
GAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGAT

+

FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFF:F,,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1531:18846:12994_2:N:0:TCTGCAAG+GCTGCACT
GTTACGGTAATTACTATAGTGTATTATTCTGGTGGTGTGATAATCTTGGAGGTCGTGACGTTGAT
GAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACC

+

FFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFF:FFF:FF

@A00721:190:HGJW7DSXY:4:2543:8929:9596_2:N:0:TCTGCAAG+GCTGCACT
GTTTCACAACTGAAGGAGGAGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATAATATACG
TCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCT

+

FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2511:3902:32988_1:N:0:TCTGCAAG+GCTGCACT
TACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTG
GTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATT
ACA

+

FF:FFFFFFFF:FFFFFFFF:FFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF, F
FFFFFF::FFFFFFFF,FFFFFFFF:FF:FFFF:FF:FFFFFFFF

+

@A00721:190:HGJW7DSXY:4:2532:20428:27352_2:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTAT

+

FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF
FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2532:20428:27352_1:N:0:TCTGCAAG+GCTGCACT
TTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTA
TGAGGGTGTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTT
TGG

+

:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF
FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1240:20211:33959_2:N:0:TCTGCAAG+GCTGCACT
ATTAAACAAGTTGTACTTATCAATGATTTATCGCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGG
AACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCT

+

FFFFFFFF:FFFFF:,FFFFFF,FF:FFFF,FF,FFFFFFFF,F,:FFFF,F:FF:F:FFFFFFF
FFFFF,FFFF,:FF,FF,FF:,FFFF:F,:FFFFFF:FF,FFFF,F

@A00721:190:HGJW7DSXY:4:2518:29378:7592_1:N:0:TCTGCAAG+GCTGCACT
TTCAGACGTGTGCTCTCCGATCTCGTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGAT

CCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCTGAACGTCAACGTTACCGAGTTTCG
TTT

+

FFFFFFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:2403:8223:20838_2:N:0:TCTGCAAG+GCTGCACT
GCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCC
TCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTTCG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FF:FFF:F,FFFF

@A00721:190:HGJW7DSXY:4:1218:31331:11663_1:N:0:TCTGCAAG+GCTGCACT
CTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGGAATTTAATATAAAGAA
TCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCA
TTT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2610:23484:1736_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTTTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTCTCGACGGTTTATCGTTTACGAAGT
ATC

+

F::FF:FFFFF:F::F::F:F:FFF,:FF,F,FFF:::FF:F,F:,FFF:,FF::FF:::F,FF:
FF:F::FFFFF:FF:FFFF:FF:FF,FF,FF:FFFF,FFFF,,FFFF,FFFF::F:FFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2430:14841:28416_1:N:0:TCTGCAAG+GCTGCACT
TAGTGACATCTGGTCAATTTCTTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATA
CGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATT
TTC

+

FFFFFFFFFFFFFFF:FFFFFF:,FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1363:7148:16125_2:N:0:TCTGCAAG+GCTGCACT
ACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAA
CTAACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTT

+

FFFF::FF,FFFFFFFFFFFF:FFF:F,F,FF,FF:FFFF:FFFFFFFF:FFFF,FFFF:FFFFFFFF
FF,FFFFFFFF:FFF:FFFF,:FFFFFF,FFFFFF:FFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2159:9109:19085_1:N:0:TCTGCAAG+GCTGCACT
TTGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCA
TATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTTA
TAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1102:19542:27602_2:N:0:TCTGCAAG+GCTGCACT
TTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAA
TAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTT

+


```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1325:11207:5525_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACACGTATCGCTAATCATCTGAAA
AAG
+
:FFFF:F,,FF:,FFFFFFF:,FF:FF:F:FFFFFFF,FF::F:FF::F:F:FF:FF::FFFFFFF
:FF,: ,FFFFFFFF:F:FFF:F,F,,FFF:FF,FFF:,F,FFF:,,,FFFFFFFF:F:FFF:FFFFF
::F
@A00721:190:HGJW7DSXY:4:1431:5095:10222_2:N:0:TCTGCAAG+GCTGCACT
AAATTTCTTAGAGGATATTGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGA
TACAACCTCTAGCCTTCAAGTGCGGTATGCCTGCGGAATACGCTTGCTA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1248:30526:27837_2:N:0:TCTGCAAG+GCTGCACT
CGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCA
AACAAGCCCAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1436:8630:18098_2:N:0:TCTGCAAG+GCTGCACT
GTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAAC
CAAGTACTTTCGCTCTGAAGAGTTTAGAGAGATCGGAAGAGCGTCGTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1270:9146:16016_2:N:0:TCTGCAAG+GCTGCACT
GCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCCACAGATTTGTCTACGTT
GCAGATCGCCACTCCAAACACTATATACATTATAAAAATATAAAAAATAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2563:32741:4867_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACT
CTA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2206:13295:1720_1:N:0:TCTGCAAG+GCTGCACT
AATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAAC
TCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGA
GTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1617:18674:4429_2:N:0:TCTGCAAG+GCTGCACT
CGAAGAGATCATCCGAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT
TATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACT
+

```

FF
F:FF
@A00721:190:HGJW7DSXY:4:2331:26530:4225_2:N:0:TCTGCAAG+GCTGCACT
ATGCTTTTCGATAGAGATTGTTATCAATTAAATACATTACTGTTTCAAATCATCTTTACTCACAGAA
TCCGAAAATCGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC
+
FF:,,,FF:FFF:,FF,F,,FFF,FFF,FFFF:FFFFFFFF:,FF:FF::,F:,FFFFFFFF,FFF,
FF::FFFF:,,,FFFFF::FFFFFFFFF,,F:F,,F::FFF:,FFF
@A00721:190:HGJW7DSXY:4:2236:10041:22294_1:N:0:TCTGCAAG+GCTGCACT
ACCACTGATCTGCCGACTTTAGTCAAGGAAC TTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGA
AAATAGCAATAATCAAATTCGACAAATTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGT
GTG
+
FFFFF:FF:F,:FFFFFFFF:F:F,FF:,FFFFF:FF,FFFFFFFF:FFFF:FF:F:,FFFFFFFF:F:F:F:
FFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:1461:25156:4758_1:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGAAGAGGTCTATGATATTTATTTTACTTA
TAC
+
FFFFFFFFFFFF:FFFFFFFFFFFF,F:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2274:16568:22294_1:N:0:TCTGCAAG+GCTGCACT
CGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTG
AACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCT
ATA
+
FFF
FFFFFFFFFFFFF:FFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1370:7916:24721_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAATAAAAATACTTCAAGTACCTGAAC TTTACATTTTTAATGGTATGGTATAATGTGTCTTAC
AAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCTTAATATTCT
+
FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1221:18204:8907_1:N:0:TCTGCAAG+GCTGCACT
GCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTT
AGAAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCT
TTA
+
FFF:FFFFFFFFFFFF:FFFFFFFFF
FFF:
FFF
@A00721:190:HGJW7DSXY:4:1304:21612:28557_1:N:0:TCTGCAAG+GCTGCACT
TTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAAT
GAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTTGATAAA
TTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF


```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1343:8223:12320_2:N:0:TCTGCAAG+GCTGCACT
AAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGT
CTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1531:15628:16031_1:N:0:TCTGCAAG+GCTGCACT
TTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTAT
ACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGTC
TTA
+
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1166:19669:28604_1:N:0:TCTGCAAG+GCTGCACT
TATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGAT
GGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTATTCTCACAACAAAGATAAGATTTTATC
TTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2610:21965:5901_2:N:0:TCTGCAAG+GCTGCACT
GCATTAATGAGTTCCGAATAACTCGTAATAAATCTTTCTTAGTGGAACAATTCAGAATACCTATTTCC
GTACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGG
+
FF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2420:19271:15107_2:N:0:TCTGCAAG+GCTGCACT
AGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACCTCTTCGGTC
AATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:
@A00721:190:HGJW7DSXY:4:2415:9290:6183_1:N:0:TCTGCAAG+GCTGCACT
TCACCAAGATGTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAG
CTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTAACGTTAGTACCGGAGGTGATCTCTCT
GCT
+
FFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2405:14100:20744_1:N:0:TCTGCAAG+GCTGCACT
AGAGAAAAGATTTCAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTT
TCCCTTTTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGA
ATC
+
FFFFFFFFFFFFFFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF
```

@A00721:190:HGJW7DSXY:4:1560:31982:29105_1:N:0:TCTGCAAG+GCTGCACT
ATCTTTTGAAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAG
TTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGT
GAT

+

FFFFFFFF:FF
FFFFFFFF:FF:FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1262:25473:1423_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAA

+

F:FF:FFF
FFFFFFFFFFFFFFFF:FF:FF

@A00721:190:HGJW7DSXY:4:1107:18900:5478_1:N:0:TCTGCAAG+GCTGCACT
CTACCCATAACTTCTTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTT
TCAACACTTATCACCACCTTTTGAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCT
CAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2502:29125:4053_2:N:0:TCTGCAAG+GCTGCACT
ACGTCTTAAGTAATTTGGATGTTGTGCGAAACTATCAGGTTCTTGTACGATTCTTAAAGAATTTTA
TTAAAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAAAGTTCTTGCA

+

FF,:F:FFF,FFFF:,F,F,:F,F,F,F:FF:FFFF,F,:FFFF,FF,FFF,F:,FFFF,FF,FFFF
F,FFFF:,,FFF,FF,FFF,,FF,FFFF:,,FF:FFF,F,F::,F,F

@A00721:190:HGJW7DSXY:4:2137:6262:28964_1:N:0:TCTGCAAG+GCTGCACT
CTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAG
TTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAG
AGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1243:31810:13088_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCA
TTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTA
CAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1341:14208:34272_2:N:0:TCTGCAAG+GCTGCACT
CTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAG
GACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2269:30120:16078_1:N:0:TCTGCAAG+GCTGCACT
GTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATG
AAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTC
TCC

[illegible]

@A00721:190:HGJW7DSXY:4:1117:31919:13839_1:N:0:TCTGCAAG+GCTGCACT
TAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAG
AGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGT
TTT

+

FFFFFFFF:FFFFFF:FF
FF:FFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2648:15519:20415_2:N:0:TCTGCAAG+GCTGCACT
TCGCACCCGAAATTTTGGGCAGAATGCTCTTAACGCGGTTCTAGAACGGTGTTTGTATCAGTCTAAG
TTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTG

+

FFFFFF,F,FF,FF,:FF:FFF,FFF:FFFF:F,FF:,,FF:F,FFFFFFFFFFFFFFFF,,FFFFFF
F,,FFFFFFFFFFFF:FFFF:FFFFFFFF,FF:FFF::F:FFFF,FF

@A00721:190:HGJW7DSXY:4:2469:4218:21010_1:N:0:TCTGCAAG+GCTGCACT
AATAGGGTCGCTAGTATACTTCGTAAAGTCGACAGCTAAATGGTCAATATTGATAATTGGACCGACTA
TATGACCTATTTTAAGCTCATGGTGAAATGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGA
AG

+

F,F,F,F,:FF::F:FFFFFF:FFF:FFFFFF,FF,:FFFFFFFF,,F,FFFFFF,FFF:,FF,:F,
::FFF:FFFFFFFF,::,FFFF:F,:FF,,FF,F,,FFFF,F:FFFF,FFF:FF:FFFFFFFF:
,F

@A00721:190:HGJW7DSXY:4:2660:4372:4773_1:N:0:TCTGCAAG+GCTGCACT
CTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAG
ATGACCAGTGACGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGG
TGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2108:18448:3004_2:N:0:TCTGCAAG+GCTGCACT
TCGATGCTGAATTTCTTGAACCTTGAGGTGCCAGTGAATATTTTGTACGCCAGGAGTATCCATAAC
GATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAAC

+

FF::FF,FFFFFF,FFFF:FFFF:FFF,FFFFFFFF:FFFFFFFFFFFF,FFF:FFFFFF,FFFF
FFFFFFFFFFFF:FFFFFF,F,FFFFFFFFFFFFFFFF, :FFF,FFFF

@A00721:190:HGJW7DSXY:4:2250:19651:5055_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTTCCGATCTATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTGCGT
GGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAA
TGG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
:FF

@A00721:190:HGJW7DSXY:4:2332:15420:26882_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATATTCGATATTCGATTGAGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTAT
AAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGG

+

FF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFFF

@A00721:190:HGJW7DSXY:4:1648:15492:31610_1:N:0:TCTGCAAG+GCTGCACT
CCCGACCTTCTTGTGAAAATTTTGTATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACG
GATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGG
TGA

+
FFFFFFFFF:FFF:FF
FFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2105:8938:24330_1:N:0:TCTGCAAG+GCTGCACT
CGAGAGCGACCAAGATCTAAATTCGGTAACGGTGC GTGGCGCTTTATTTTTAAAAAGCTCCCTCCTCTC
CCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCT
TTC
+
FFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1341:29288:15702_2:N:0:TCTGCAAG+GCTGCACT
TGTTTCCTTCTTTGCACTGATTTTTCTCATCAGCTTGTTTACCTAATCTGTGTTTTTACGATAA
CAACTATCAGTTGATTAAGACTCTTCCGAAAGGCCGAAC TTTGGGAATT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1357:2835:4679_1:N:0:TCTGCAAG+GCTGCACT
AGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGT
TCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACTCCTTTAAGC
GTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1562:15438:8437_1:N:0:TCTGCAAG+GCTGCACT
GTGCTCTTCCGATCTATTAATCACTCATTTTTAGTGAGATTATTA AAAACGCACTAAAACGTCTTCGA
CAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATT
GGT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2133:18150:20964_1:N:0:TCTGCAAG+GCTGCACT
CACTTTTCTACTGTCTGTCTCGCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAAT
TTATACCTACAATCATTGGTTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACT
CA
+
:FF:FFFF,FFFFFFFF:FFFFFFFFF:FFFFFFFFF,FFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFF:FFFFFF,F FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFF:F
:,
@A00721:190:HGJW7DSXY:4:1270:26811:6590_2:N:0:TCTGCAAG+GCTGCACT
TCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCT
AAATTA AAACATTGTACGATGTCGTCTGTCTCGGCGAGATCGGAAGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1516:15157:21136_1:N:0:TCTGCAAG+GCTGCACT
TCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGT
TTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTT CATGAAA ACTACAGAGGAACG
TAC
+
F:FFFFFFFFFFFFFFFFF::FFFFFFFFFFFF,FFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,

@A00721:190:HGJW7DSXY:4:2409:9959:19680_2:N:0:TCTGCAAG+GCTGCACT
GCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCC
TCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTTCG

@A00721:190:HGJW7DSXY:4:1638:28953:18850_1:N:0:TCTGCAAG+GCTGCACT
CTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGGATTTTAATATAAAGAA
TCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCA
TTT

@A00721:190:HGJW7DSXY:4:2623:12825:13777_1:N:0:TCTGCAAG+GCTGCACT
GAAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTTTATCTTCAATGAAATTGGACTCTTCGAT
AGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGT
ATC

@A00721:190:HGJW7DSXY:4:2621:20772:9345_1:N:0:TCTGCAAG+GCTGCACT
TAGTGACATCTGGTCAATTTCTTTTTAGGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATA
CGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATT
TTC

@A00721:190:HGJW7DSXY:4:1406:4155:18521_2:N:0:TCTGCAAG+GCTGCACT
ACAATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTAA
CTTACTTAGACTTTTCCTACGATACAAATGATAACTTCTAATTTACGTT

@A00721:190:HGJW7DSXY:4:2354:26196:17018_1:N:0:TCTGCAAG+GCTGCACT
TTGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCA
TATTACGGATTACACGGTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTATTAACCTTA
TAA

@A00721:190:HGJW7DSXY:4:1148:27290:24455_2:N:0:TCTGCAAG+GCTGCACT
TTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAA
TAATATTACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACACTAGTT

@A00721:190:HGJW7DSXY:4:1343:20518:18396_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC

CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG

+

FFFFFFFFFFFFFFFF:FF
FF,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2314:3161:7717_2:N:0:TCTGCAAG+GCTGCACT
AAATTTCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTGA
TAACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1402:13982:7764_2:N:0:TCTGCAAG+GCTGCACT
CGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCA
AACAAGCCCAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTC

+

FF
FFFFF:FFFF::F:FFF:FFFFFFFFFFFF:FFFFFFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:1514:21947:9972_2:N:0:TCTGCAAG+GCTGCACT
GTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAAC
CAAGTACTTTCGCTCTGAAGAGTTTAGAGAGATCGGAAGAGCGTCGTG

+

FF
FFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1512:14000:8077_2:N:0:TCTGCAAG+GCTGCACT
GCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCCACAGATTTGTCTACGTT
GCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2638:8793:1094_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGTACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCT
CTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGAACAACCTTTACTTAGAATGACT
CTA

+

FF
FF:FFFFF
FF:FFFFF:FF:FFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2249:24388:25316_1:N:0:TCTGCAAG+GCTGCACT
AATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAAGAGATTAATAAAGGATGAGTACGAAAACCAAC
TCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGA
GTT

+

FFFFF,F,:FFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFFF,F,FFFFFFFF:FFFFFFFFFFFF
FF:FFFFF:FFF::FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2547:29071:22905_2:N:0:TCTGCAAG+GCTGCACT
CGAAGAGATCATCCGAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT
TATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2371:27245:17613_2:N:0:TCTGCAAG+GCTGCACT
ATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGAC

$+$

@A00721:190:HGJW7DSXY:4:2461:18502:23202_1:N:0:TCTGCAAG+GCTGCACT
ACCACTGATCTGCCGACTTTAGTCAAGGAAC TTCAATTCTTCGATGTTTATATTTTTCTATAAGGGA
AAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGT
GTG

+

@A00721:190:HGJW7DSXY:4:1540:25789:27586_1:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TAC

+

@A00721:190:HGJW7DSXY:4:2362:1823:1172_1:N:0:TCTGCAAG+GCTGCACT
CGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTG
AACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCT
ATA

+

@A00721:190:HGJW7DSXY:4:1372:30526:27774_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAATAAAAATACTTCAAGTACCTGAACCTTTACATTTTAAATGGTATGGTATAATGTGTCTTAC
AAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCT

 $+$

@A00721:190:HGJW7DSXY:4:1332:29948:36855_2:N:0:TCTGCAAG+GCTGCACT
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGA
AAAACCTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGT

+

@A00721:190:HGJW7DSXY:4:2515:27887:23046_2:N:0:TCTGCAAG+GCTGCACT
CTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGAT
TGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTCCCGGAAGAGATC

+

@A00721:190:HGJW7DSXY:4:1263:24343:32409_2:N:0:TCTGCAAG+GCTGCACT
ATGACCAATCATCGCTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGAT
CGGCACCACTGGTCTCTACGTTACAGGGACCCGCTGTGCAGAATAACCT

+

@A00721:190:HGJW7DSXY:4:2553:13087:35931_1:N:0:TCTGCAAG+GCTGCACT
CTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACC

GAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTCTGTGGGAAGTCTGAGGCAGTACCTCAGTCAAA
AGT

+

FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2148:4146:4163_2:N:0:TCTGCAAG+GCTGCACT
ACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGG
AGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCCAAGCC

+

FFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2437:4490:31313_2:N:0:TCTGCAAG+GCTGCACT
TTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCC
CCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGG

+

FF, FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF
FFF:FFFFFFFF:FFFF, F:FF

@A00721:190:HGJW7DSXY:4:1101:28438:17080_1:N:0:TCTGCAAG+GCTGCACT
CTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCT
GAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGA
CTC

+

FF
FF, FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1127:13259:15749_2:N:0:TCTGCAAG+GCTGCACT
CAAATCTGTTGAATTCGTCAGTACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGA
GCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCG

+

FFFFFFFF:FF:FFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2660:27471:33223_2:N:0:TCTGCAAG+GCTGCACT
ACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAG
ATCCCCTATTGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGAC

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFF, FFFFFFFFF:FFFFFFFFFFFF, FFFFFFF:F
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF, FFFF:FFFF

@A00721:190:HGJW7DSXY:4:1657:26702:14732_2:N:0:TCTGCAAG+GCTGCACT
CACCCCTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTT
TTGCCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTC

+

FFFFFFFFFFFF:FF
FF, FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF, FFFFF, F:::FF:

@A00721:190:HGJW7DSXY:4:2163:1280:19523_1:N:0:TCTGCAAG+GCTGCACT
TTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTAGACGTTGTCACACTTTTCTTGAA
AATTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGTCTTCTTC
ATG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2216:6343:17801_1:N:0:TCTGCAAG+GCTGCACT
TTCAGACGTGTGCTCTCCGATCTCGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAG

ACGGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGT
CAG

+

FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1407:6949:32722_2:N:0:TCTGCAAG+GCTGCACT
GAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGA
AGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGG

+

FF
FFFFFFFF:FF:FFFF

@A00721:190:HGJW7DSXY:4:1348:21621:18740_1:N:0:TCTGCAAG+GCTGCACT
TTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTA
AGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTC
GAA

+

FFFFFFFFFF:FFFF:FF:FF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1272:7925:29496_1:N:0:TCTGCAAG+GCTGCACT
GACTGGAGTTCAGACGTGTGCTCTTCCGATCTATTTAAGTGGCAGAATTCGGTAACCTACCATATTG
TTCCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATT
GGT

+

FF
:FF
FFF

@A00721:190:HGJW7DSXY:4:2112:29405:14622_1:N:0:TCTGCAAG+GCTGCACT
ATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGA
GGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCGTAC
CTT

+

F::FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1241:27064:10504_1:N:0:TCTGCAAG+GCTGCACT
GTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGA
GACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTAGATATTATTGATATTGGAGGCGAT
ATT

+

FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2456:9968:13714_2:N:0:TCTGCAAG+GCTGCACT
AAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGT
CTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAG

+

FFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1670:32172:29528_1:N:0:TCTGCAAG+GCTGCACT
TTCGTTCTGTTACAATAACGCTTTGGATTGTGACCATAAAGCCTCATTTGCGATAGCTGTAGTGGTAT
AAGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGC
TTA

@A00721:190:HGJW7DSXY:4:1311:21748:9032_1:N:0:TCTGCAAG+GCTGCACT
TATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGAT
GGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTATTCTCACAACAAAGATAAGATTTTATC
TTT

@A00721:190:HGJW7DSXY:4:1141:14660:10222_2:N:0:TCTGCAAG+GCTGCACT
ATTAATGAGTTCCGAATAACTCGTAATAAATCTTTCTAGTGGACAATTGAGAATACCTATTTCCGT
ACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAA

@A00721:190:HGJW7DSXY:4:2620:25301:14591_2:N:0:TCTGCAAG+GCTGCACT
AGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTC
AATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGT

@A00721:190:HGJW7DSXY:4:2432:1777:13275_1:N:0:TCTGCAAG+GCTGCACT
TCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAG
CTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTCT
GCT

@A00721:190:HGJW7DSXY:4:2617:13060:30248_1:N:0:TCTGCAAG+GCTGCACT
AGAGAAAAGATT CAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTT
TCCCTTTTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGA
ATC

@A00721:190:HGJW7DSXY:4:2220:25907:26600_1:N:0:TCTGCAAG+GCTGCACT
ATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAG
TTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGT
GAT

@A00721:190:HGJW7DSXY:4:1272:4417:2628_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAA

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,E:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```


FF
FFF

@A00721:190:HGJW7DSXY:4:2161:5891:1360_1:N:0:TCTGCAAG+GCTGCACT
GTTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCG
TGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGT
CGA

+

F:FFFFFFFF:FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2529:25048:13870_2:N:0:TCTGCAAG+GCTGCACT
TTCTCGCTCGCATTTCAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTGCG
GAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2262:4191:31735_1:N:0:TCTGCAAG+GCTGCACT
GGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGT
TCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTTGGGGACTGAGACCTCTGAATTTTCAGGG
TGC

+

FFFFFFFFFFFFFFFFFFFF:F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1630:20518:30765_2:N:0:TCTGCAAG+GCTGCACT
TTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAG
AATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAG

+

FF
FF,FFFFF

@A00721:190:HGJW7DSXY:4:1571:32678:28025_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCA
GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT

+

FFFFFFFFFFFF:FF
FF,FFFFF

@A00721:190:HGJW7DSXY:4:2660:26811:12101_1:N:0:TCTGCAAG+GCTGCACT
TCCAAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAACTGAATCCA
CTCTCTTGGGATATAAATGAGTACATCTATAATAGAGTTTGGAACTGTGTAATGTCCTACGTACTGT
TCA

+

F,FFFFFFFF:FFFFF:FFF,:F:F,,FFFFFFFFFFFF,FFFFFF,FF,FFFFFFFFFFFFFFFFFFFF::F,
::FF:FFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F,FFFFFF::FFFFFFFFFFFF,F:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1247:6460:25332_2:N:0:TCTGCAAG+GCTGCACT
TCGATTGATTTTGTTGACTACGATCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGG
TGGAGGAAGACTACTGAACTTATAGCGACTTTTGTGCAATTTTTCGC

+

FFFF:FFFF:FFFF,FF:FFFFF:FFFFF
FFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2242:30282:13416_2:N:0:TCTGCAAG+GCTGCACT
ATTGTCACTGCTAATCGTAATTCGCGAGAAGAGATAGTGAATAAGTTTTGGCACTTCTAGTTCATCG
CGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG

+

CTAAGGTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCA
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1103:1768:6809_1:N:0:TCTGCAAG+GCTGCACT
GGTTCTTGAGGAGAGTCAAACAGTGTCTTTACCCAACATTTTATGTATACAGAGATGACCAAGTG
ACGATTTCTCCCGGAAGCTCTTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGAT
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2131:19000:36777_2:N:0:TCTGCAAG+GCTGCACT
TCGATGCTGAATTTCTTGAACCTTGAGGTGCCAGTGAATATTTTGTACGCCAGGAGTATCCATAAC
GATTTGTCATTTACCACCTTGCTCAACGACGAAGTGGAACGGCCAAC

+

:FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2438:16134:4069_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTCCGATCTATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTGCGT
GGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAA
TGG

+

FFFFFFFFFFFFFFFFFFFF,FFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2366:22715:15280_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTAT
AAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGG

+

FF,FFFFFFFFFFFFFFFFFFFF:F
FFFFFFFFF:FF:

@A00721:190:HGJW7DSXY:4:2227:6081:34882_1:N:0:TCTGCAAG+GCTGCACT
CCCGACCTTCTTGTAATTTTATGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACG
GATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGG
TGA

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2256:4345:8923_1:N:0:TCTGCAAG+GCTGCACT
CGAGAGCGACCAAGATCTTAATTGGGTATCGGTGCGTGCGCTTTATTTTAAAAAGCTCCCTCCTCTC
CCAAGTTTGATCTGATACTTATCACGATAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCT
TTC

+

FFFFF,F,:F,F,FFF:F:F,:F,F,F,,,F,FF,FFFF:FFFFFFFFFFFF:F,FFF,F,F:,FFFF
,:FF,FFFFFFFF,FF:FF,FFFFFF,:F:F,FFF,:F:FFFFFFFF:FFFFF,:FFF,FFF,FFF
FF:

@A00721:190:HGJW7DSXY:4:2218:9661:32784_2:N:0:TCTGCAAG+GCTGCACT
TGTTTCCTTCTTTGCACTGATTTTCTCATCAGCTTGTTTACCTAATCTGTGTTTTACGATAA
CAACTATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATT

+

FF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFF:FFFFFFFFF,FFFFFF
@A00721:190:HGJW7DSXY:4:1550:5358:14403_1:N:0:TCTGCAAG+GCTGCACT
AGCACAACTTTGACCGTGACGAAGTGTGGTGTCTTGTATCTACGTTACGGATATACTCTCCTTGAGT
TCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACTCCTTTAAGC
GTC
+
FFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1665:28962:14137_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTACGATCTATTAATCACTCATTTTAGTGAGATTATTAACGCACTAAACGTCTTCGA
CAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATT
GGT
+
F:FF:::F:,::FF,FFFFFFFF:F:,F,:FF:FF,:FF::FFFFFFFF:FF:FFFFFFFF::FFFF,FF,
FFFFFFFF:FF,,:::,FFF:F,FFFFFFFFFFF:FFF:FF,FFF,:FFFF:FFFFFFFF,FFFFFF:F:FFFF
FF:
@A00721:190:HGJW7DSXY:4:1231:9381:15107_1:N:0:TCTGCAAG+GCTGCACT
CACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATGATAGTGAAT
TTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACT
CAT
+
FF:
FF
FFF
@A00721:190:HGJW7DSXY:4:1469:6488:32049_2:N:0:TCTGCAAG+GCTGCACT
TCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTAAATTCTAAACATTACCCGAAAGACGTGCT
AAATTAACCATTTGTACGATGTCGTCTGTCTCGCGAGATCGGAAGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1671:20898:2926_1:N:0:TCTGCAAG+GCTGCACT
TCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGT
TTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAACTACAGAGGAACG
TAC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1516:8775:36636_2:N:0:TCTGCAAG+GCTGCACT
TCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCA
GAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGAT
+
FFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:F:F:F,F:FF:FFFFF:FFF
@A00721:190:HGJW7DSXY:4:2214:16622:30686_2:N:0:TCTGCAAG+GCTGCACT
GTTACGGTAATTACTATAGTGTATTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGAT
GAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACC
+
FFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2665:16206:14278_2:N:0:TCTGCAAG+GCTGCACT
GTTTCACAACTGAAGGAGGAGTTTCTGTACTGGAAAACCTCGTCAATACTTTTCAATAATATACG

$+$

@A00721:190:HGJW7DSXY:4:2605:21902:34914_1:N:0:TCTGCAAG+GCTGCACT
TACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCCAACTTACCCTGATTCCGGCCGGTG
GTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAGCTGTTGAGCGGGTAATT
ACA

+

@A00721:190:HGJW7DSXY:4:1604:32181:23093_1:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGT
TAC

+

@A00721:190:HGJW7DSXY:4:1257:7193:4272_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGATGAGGGTGTTTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC

 $+$

@A00721:190:HGJW7DSXY:4:1344:10719:7874_2:N:0:TCTGCAAG+GCTGCACT
ATTAACAAGTTGTA CTATCAATGATTTATCGCTGGTTGTTATCTCGAAAAGTCTCTTATAAAAGG
AACGTCAGTTATAACCCAAAGAGAAAATCTAAAATATTTACAAAATCT

+

@A00721:190:HGJW7DSXY:4:2676:9362:19398_1:N:0:TCTGCAAG+GCTGCACT
TTCAGACGTGTGCTCTTCCGATCTCTTACTTGGAACGAAGGCGACCTGTTCCGGGGTTTTTACGGGAT
CCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTCG
TTT

+

@A00721:190:HGJW7DSXY:4:2477:20690:31031_2:N:0:TCTGCAAG+GCTGCACT
GCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCC
TCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTTCG

+

@A00721:190:HGJW7DSXY:4:1660:26829:4679_1:N:0:TCTGCAAG+GCTGCACT
CTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGGATTTTAATATAAAGAA
TCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCA
TTT

+

[illegible]

+

@

+

@

+

@

+

@

+

@

+

@

+

@

+

@A00721:190:HGJW7DSXY:4:2273:17183:27743_2:N:0:TCTGCAAG+GCTGCACT
TGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCA
AAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGA

+

FF
FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1326:20537:2675_1:N:0:TCTGCAAG+GCTGCACT
CTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCT
GAAGCGGCTTGGGTCAATTAAGGGTAGCTGTAAAGTTGCGCTGCCGACCCCATCTTTGAGACCAAGA
CTC

+

FFFFF:FFFFFFFFFFFF,FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1530:3007:16031_2:N:0:TCTGCAAG+GCTGCACT
CAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGA
GCAGTCGCTGGGGAAAGAGAAATGCGTGGGTGAAGGCCGACGCTTCG

+

,FFF,FF,,,,FF:F,FF:F:FFF,FF,,FF,F::F,F,FFFFFFFF::,FF,F,,:FF,FFFF,FFF
:,F,,F,FF,:FF,F:,F:::,F:FF,FFF,FF,FF::FF,F,

@A00721:190:HGJW7DSXY:4:1434:9842:16564_2:N:0:TCTGCAAG+GCTGCACT
GACGTTTTTGTCAACGGCGTTTGGAGGATTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGG
AGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCA

+

FFFFFFF:FF
FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFF,FFF,F

@A00721:190:HGJW7DSXY:4:1354:29017:10097_1:N:0:TCTGCAAG+GCTGCACT
AAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCA
GAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATA
TTC

+

FF:FFFFFFF
FF,F
FFF

@A00721:190:HGJW7DSXY:4:2615:27679:35336_1:N:0:TCTGCAAG+GCTGCACT
TTAGAGAGCATTAGAAGGAAGTTGGGCAAATCCACATATGGTAGACGTTGTCACACTTTTCTTGAA
AATTTTCTTTCTCCGTCATTGGGGATTCGATGTGAGAAGGTGGAAGGTGTCAAGGGCTTCTTC
ATG

+

F::FFFF::FFFFFFFF:FFFFFFFFF::F,F,F:,FF::FFFFF:FFFF::,FFFFFF:F:F
,FF::FFFFFFFF:FFFFFFFF:F:FFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFF:FFFF:
FFF

@A00721:190:HGJW7DSXY:4:2240:19922:28948_1:N:0:TCTGCAAG+GCTGCACT
TTCAGACGTGTGCTCTTCCGATCTCGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAG
ACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGT
CAG

+

FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F
FFFF:FFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:
FFF

@A00721:190:HGJW7DSXY:4:1477:27624:17487_2:N:0:TCTGCAAG+GCTGCACT
GAGGAGGAGTTTGAAGGAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGA
AGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGG

+

@A00721:190:HGJW7DSXY:4:1135:28583:34867_1:N:0:TCTGCAAG+GCTGCACT
TTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCT
TGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTA
CG

@A00721:190:HGJW7DSXY:4:1335:6271:8093_1:N:0:TCTGCAAG+GCTGCACT
GACTGGAGTTCAGACGTGTGCTCTTCCGATCTATTTAACTGGGCAGAATTCGGTAACTTACCATATTG
TTCCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATT
GGT

@A00721:190:HGJW7DSXY:4:2511:20817:28808_1:N:0:TCTGCAAG+GCTGCACT
ATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGA
GGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTAC
CTT

@A00721:190:HGJW7DSXY:4:1312:27163:2065_1:N:0:TCTGCAAG+GCTGCACT
GTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGA
GACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGAT
ATT

@A00721:190:HGJW7DSXY:4:2460:10755:35994_2:N:0:TCTGCAAG+GCTGCACT
AAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGT
CTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAG

@A00721:190:HGJW7DSXY:4:2138:11586:6057_1:N:0:TCTGCAAG+GCTGCACT
TTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTAT
ACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTGCTC
TTA

@A00721:190:HGJW7DSXY:4:2338:11171:12258_1:N:0:TCTGCAAG+GCTGCACT
TATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGAT
GGCGCATCACTTGATTACTATATGCCCAGGATTGGGTATTCTCACAACAAAGATAAGATTTTATC
TTT

.....

GAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAA
+
FF
FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2413:20537:22780_1:N:0:TCTGCAAG+GCTGCACT
GGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGT
TCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGG
TGC
+
FFFFF::FFFF:FFFFFFFFFFFFFFFF,FFFF:FFFF,FFFFFFFF:FFFFFFFF:,::FFFF,FFFF:
FFFF:FFFF:F:FF
F:,
@A00721:190:HGJW7DSXY:4:2224:28800:20306_2:N:0:TCTGCAAG+GCTGCACT
TTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAG
AATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAG
+
,FFFFFFFF:FFF:FFFFFFFFFFFFFFFF,FF:FFF:FFFFFFFF,FFFFFF:FFFFFF:
FF,F:FFFF:F,FFFFFFFF,FFF::FFF,:F,FFFF,FFF:FF
@A00721:190:HGJW7DSXY:4:2134:16297:29089_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGCGGCTGATCGTACCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCA
GAGTTACGTAGTGGTCGTTCTTTGGTGATTTTATCAAAGAGAAAGTT
+
FF:
FF
@A00721:190:HGJW7DSXY:4:1409:14705:34381_2:N:0:TCTGCAAG+GCTGCACT
AAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAAACTGAATCCACTCT
CTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTA
+
FF
F::FF
@A00721:190:HGJW7DSXY:4:1371:26178:15076_2:N:0:TCTGCAAG+GCTGCACT
TCGATTGATTTTGTGACTACGATCTCTTGTATAAGAAGTTCTTCGAGTTGAATCTCCACCAGG
TGGAGGGAAGACTACTGAACTTATAGCGACTTTTGTGCAATTTTTCGC
+
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF:FFFFFFFF:F,F:FFFF
,FFFFFF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2312:32344:1924_2:N:0:TCTGCAAG+GCTGCACT
ATTGTCAGTAAATCGTAATTCGCGAGAAGAGATAGTGAAGTTTGGCACTTCTAGTTCATCG
CGGTATTTGTGAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:,FFFFFFFFF,FFFFFF
@A00721:190:HGJW7DSXY:4:2502:19623:33724_1:N:0:TCTGCAAG+GCTGCACT
TATTTTCATCGACTAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG
CGGCTTATAACAATAGGTTACGGTTATTCCAATCAAATCGTTTTCATCAATCGTATTGATCTCCAAGTC
GCA
+
F,FFFF,FF::,,FFF:FF,,F,,F:FF:F::,FF,FFFF,,FFFF,FFF,F,FF,FF,FFF:FF
FFF,FFFF,,:F,F,FF::,F,:F,:FFF,FFFF:F,,FF,FFFF:F,,F,FF:FF::,F,,F:
F:F
@A00721:190:HGJW7DSXY:4:1224:14145:27398_1:N:0:TCTGCAAG+GCTGCACT
ATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGT
TTGTGCGGAAGTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGACACTA
TGG

```
+
:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1631:4761:14184_1:N:0:TCTGCAAG+GCTGCACT
TAAGAGTAAAGTTAAATGTGAAGATGCTCAGACTATTTCATGAAGTTCAAGGTAATACTTACCAGCACG
TTCGGCTGGTTAGAATTAACCTCAAGATGACCCTGTTTTTGCATCACAAACACATATTACCGTTGCT
CTA
+
FFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1305:29396:9251_1:N:0:TCTGCAAG+GCTGCACT
TTATCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTA
GCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGT
TG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1454:32334:32189_2:N:0:TCTGCAAG+GCTGCACT
AGAGGACCACCTGGATCTTCTACTGTCTCTGCCTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAAC
CACCTTAACGTCACCTCGGTAATCTTTCAGCCGAATTAAGTACTAATGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:2648:23710:1438_2:N:0:TCTGCAAG+GCTGCACT
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTT
AGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAA
+
FFFFFFFFFFFF:FFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFF:FF:FFFFFF:FFFFFFFFFFFF:FFFF:FF
F:FFFFFF,FFF,:FF:FFFFFFFFFFFF:FFFFFFF,FFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1338:8467:20259_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTGTTTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCT
CAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAA
TAT
+
:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2333:14832:10081_2:N:0:TCTGCAAG+GCTGCACT
AGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCAAAATTTATTAATGCAATTTTCG
GACCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTAC
+
FFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,:FFFFFF,FFFFFFFFFFFFFFFFF,F:FFFFFF
FFFFFFFFFFFF,FFFFFFFFFFFF:FF:FFFFFF,FFFFFF,FFF:FF
@A00721:190:HGJW7DSXY:4:2143:31250:15248_2:N:0:TCTGCAAG+GCTGCACT
TCGATGCTGAATTTCTTGAAGTTTGGAGTGCCAGTGAATATTTTGTACGCCAGGAGTATCCATAAC
GATTTGTCAATTAACACCTTTGCTCAACGACGAAGTGGAACGGCCAAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,:FF:FFFFFFFFFFFFFFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:1138:27661:2206_2:N:0:TCTGCAAG+GCTGCACT
TATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTCGCTG
```


GGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATAGATCGG

[illegible]

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:1661:4679:27195_2:N:0:TCTGCAAG+GCTGCACT
TTTTGAGAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAA
TAATATTACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACACTAGTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1444:10664:29700_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG
+
FFFF:FFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:F
@A00721:190:HGJW7DSXY:4:2365:12472:28291_1:N:0:TCTGCAAG+GCTGCACT
TCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAA
CTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTT
GAT
+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1128:1570:21183_1:N:0:TCTGCAAG+GCTGCACT
TGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAAT
CAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTAGAGATC
TTT
+
FFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2610:3260:6198_2:N:0:TCTGCAAG+GCTGCACT
GTATATTGTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAAC
CAAGTACTTTCGCTCTGAAGAGTTTAGAGAGATCGGAAGAGCGTCGTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2321:10764:21731_2:N:0:TCTGCAAG+GCTGCACT
GCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTT
GCAGATCGCCACTCCAAACACTATATACATTATAAAAATATAAAAATAA
+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1422:4906:30311_1:N:0:TCTGCAAG+GCTGCACT
CTTTTGTTACCAAATTCTTGGCTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTC
TCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTC
TAT
+
FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2562:26250:4085_1:N:0:TCTGCAAG+GCTGCACT
AATACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAAC

```

TCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGA
GTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2265:13648:3583_1:N:0:TCTGCAAG+GCTGCACT
CGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT
TATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTATAATTTATAACCTT

+

: , F , , : , FF , F , F , , FF , FF
FF

@A00721:190:HGJW7DSXY:4:2650:1588:14011_2:N:0:TCTGCAAG+GCTGCACT
ATGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGAC
TCCGAAAATGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC

+

FF , F : : FFFFFFFF : F : : FFFF : FFFFFFFF : FFFFFFFF : FFFFFFFF , FFF : : FFF , FFF , FF : FFFF
 , F : : FFFF : : , FF , FFFFFFFF : : FFFF , , FFFFFFFF , FF : FFFF

@A00721:190:HGJW7DSXY:4:2371:1669:34569_1:N:0:TCTGCAAG+GCTGCACT
GACTTTAGTCAAGGAACTTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATC
AAATTTGACAAATTTTAGAACTTTATTTGAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAG
GAT

+

FFFFFFFF : FFFFFFFFFFFFFFFFFFFFFFFFFF : FFFF : FFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF : FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2512:19208:11553_2:N:0:TCTGCAAG+GCTGCACT
ATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACC
GCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAA

+

FFF : FFFFFFFFFFFFFFFFFF , FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF : FFFFFFFFFFFFFFFFFFFFFFFFFF :

@A00721:190:HGJW7DSXY:4:2434:15628:32597_1:N:0:TCTGCAAG+GCTGCACT
AACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGT
CGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTT
ACA

+

F : : FF , FFF , FF , FFFFFFFF : F , FF , FF , FFFF : F : FF , FFFFF , FFFFFFF : F : FFFF , FFFF
 FFFF : : , FF : : FFFF : FFFFFFFF : FFFFFFFF , FFFFFFFF : FFFF , FFFFFFFFFFFFFFFFFF
 FFF

@A00721:190:HGJW7DSXY:4:1547:24623:25911_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGTATGGTATAATGTGTCTTAC
AAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCTTAATATTCT

+

FF
FF : FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1534:6497:18850_2:N:0:TCTGCAAG+GCTGCACT
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGA
AAAACCTCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGT

+

FFFFFFFFFFFFFFFFFFFFFFFF : FFFFFFFFFFFFFFFFFF : FFFFFFFFFFFFFFFFFF
 FFFFFFFF : FFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1255:27308:22670_2:N:0:TCTGCAAG+GCTGCACT
TTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATT

+

@A00721:190:HGJW7DSXY:4:2371:1416:35571_2:N:0:TCTGCAAG+GCTGCACT
ATGACCAATCATCGCTCCAACTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGAT
CGGCACCACTGGTCTCTACGTTACAGGGACCCGCTGTGCAGAATAACCT

+

@A00721:190:HGJW7DSXY:4:1543:8223:30201_1:N:0:TCTGCAAG+GCTGCACT
GGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAAC
ATTGACGGCAGTCCCGTCATCTCTGTGGGAACTGAGGCAGTACCTCAGTCAAAGTCACATTACCAC
TCC

+

@A00721:190:HGJW7DSXY:4:2468:16278:32847_2:N:0:TCTGCAAG+GCTGCACT
TGTGACTATACAGTTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCT
CCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACC

+

@A00721:190:HGJW7DSXY:4:2476:17002:3129_2:N:0:TCTGCAAG+GCTGCACT
AGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGG
TCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGA

+

@A00721:190:HGJW7DSXY:4:1562:9453:20494_2:N:0:TCTGCAAG+GCTGCACT
GGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTG
GGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGA

 $+$

@A00721:190:HGJW7DSXY:4:2330:30734:11162_1:N:0:TCTGCAAG+GCTGCACT
CTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCGTCACTGAGGACGAAGGTGAGAGGA
CTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGA
CGC

+

@A00721:190:HGJW7DSXY:4:2605:8052:34350_2:N:0:TCTGCAAG+GCTGCACT
GACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTA ACTATGGGGCGAAGATCCCCTATGG
AGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCA

+

@A00721:190:HGJW7DSXY:4:1546:18114:14137_1:N:0:TCTGCAAG+GCTGCACT
AAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCCA
GAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTTATA
TTC

+
FFFFFFFFFFFF:FFFFFFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2618:8630:33285_1:N:0:TCTGCAAG+GCTGCACT
TTAGAGAGCATTAGAAGGAAGTTGGGCAAATTCACATATGGTAGACGTTGTCACACTTTTCTTGAA
AATTTTTCCTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTC
ATG
+
FFFFFFF:FFFFF:FF:FFF::FFF,FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2240:21142:29089_1:N:0:TCTGCAAG+GCTGCACT
TTCAGACGTGTGCTCTTCCGATCTCGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAG
ACGGGGGGATTAAAGAGTCCAGCTGTAAGTGTCACTTTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGT
CAG
+
FFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1514:5647:18129_2:N:0:TCTGCAAG+GCTGCACT
GAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGA
AGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2216:28510:28134_1:N:0:TCTGCAAG+GCTGCACT
TTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCT
TGAGAAGACAAGCCACATTAAGATATAATTTAGGTCAACTTGGGGTTTGAATGTCATTAGTGCCTTA
CG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FF
FF
@A00721:190:HGJW7DSXY:4:1507:13883:27132_1:N:0:TCTGCAAG+GCTGCACT
GACTGGAGTTTCAGACGTGTGCTCTTCCGATCTATTTAACGTGGCAGAATTCGGTAACCTACCATATTG
TTCCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATT
GGT
+
FF::,FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
:FF
FFF
@A00721:190:HGJW7DSXY:4:2555:23963:1595_1:N:0:TCTGCAAG+GCTGCACT
ATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGA
GGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTAC
CTT
+
FFF:,FFFF,FFFFFFF:F:FFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFF:FF:FFF:FFFFFF
F:FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1606:20835:27586_1:N:0:TCTGCAAG+GCTGCACT
GTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTGCGAGCCATATCGA
GACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTAGATATTATTGATATTGGAGGCGAT
ATT

F:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2460:9697:36730_2:N:0:TCTGCAAG+GCTGCACT
AAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGT
CTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAG
+
FF
FFFFFF,FF
@A00721:190:HGJW7DSXY:4:2176:20419:2190_1:N:0:TCTGCAAG+GCTGCACT
TTCGTTCTGTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTAT
ACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGTC
TTA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2438:22182:21778_1:N:0:TCTGCAAG+GCTGCACT
TATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGAT
GGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTATTCTCACAACAAAGATAAGATTTTATC
TTT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1643:7970:13479_2:N:0:TCTGCAAG+GCTGCACT
ATTAATGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGT
ACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAA
+
FF
FF,FF
@A00721:190:HGJW7DSXY:4:1228:1208:17550_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCATAAGGGCTATTACGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAAT
ATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGG
+
:FF
FFFFFFFF,FFFFFF:FFFFFF:F,FFFF:FF:FFFFFFFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:1324:13964:2816_2:N:0:TCTGCAAG+GCTGCACT
TTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAG
ACTTTGGGTACACGTTATGCTCGCAAACCTAACGTTAGTACCGGAGGT
+
FF
FF:FFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1406:6659:4883_2:N:0:TCTGCAAG+GCTGCACT
CTTCTGCGTTACTGAGAGAAAAGATTACAGGACGCCTACGGTGACTTTATGACAAGATGCAAGTTCTT
GGGAAATACTTGTTTTCCCTTTTTAGGTTTAGTAGGTGATCTTGACGTC
+
FF
FFFF:FFFFFFFFFFFFFF,F:FFFFFFFFF,:FFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1560:31982:29105_2:N:0:TCTGCAAG+GCTGCACT
GAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTT
TGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGT
+


```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2121:12084:20134_2:N:0:TCTGCAAG+GCTGCACT
CAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTACGCTACGAG
AGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2270:10447:6590_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTC
TTGATAATCTTAAAGAAAAATTTTCAATAAACTAATGAGAGGTATAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFF:FFFFF:FFFFFFFFFFFFFF,F
:FFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2107:16577:10786_1:N:0:TCTGCAAG+GCTGCACT
CTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTT
TCAACACTTATCACCACCTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCT
CAA
+
FFFFFFFF:FFFF::,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2648:29080:32440_1:N:0:TCTGCAAG+GCTGCACT
TCAGACGTGTGCTCTTCCGATCTCTATCAGGTTCTTGTACGATTCTTAAAAGAAGTTTATTAAAGCT
TCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGA
CCT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1267:6858:8046_2:N:0:TCTGCAAG+GCTGCACT
AGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGC
TAGGTTTTAAAAGATCCTTTCACAAGCAATACCTTCCACTGAGTTCA
+
:FFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF
@A00721:190:HGJW7DSXY:4:2334:2835:20243_2:N:0:TCTGCAAG+GCTGCACT
GTGCGGAAAACGATGAAGATTTCCACACTGTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTT
TTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGG
+
FFFFFFFFFFFF:FFFFFFFF,FFFFFFF:FFF,FFFFFF:FFFFFFFF:FFFF:FFFFFFFF:FFFF::
FFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2364:5086:4539_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTAT
GTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFF
@A00721:190:HGJW7DSXY:4:2407:12626:5071_2:N:0:TCTGCAAG+GCTGCACT
CTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAG
GACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:2567:29080:2347_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCT
TTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGC

+

FF
FF:FF:F

@A00721:190:HGJW7DSXY:4:2150:8549:2613_1:N:0:TCTGCAAG+GCTGCACT
TTACCACCCTTGTCAATTGATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAG
ATTCGTCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTAGT
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2357:28845:31814_1:N:0:TCTGCAAG+GCTGCACT
GTTTATGTTTCGGTTTTGAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCG
TGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGT
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1150:16821:35102_1:N:0:TCTGCAAG+GCTGCACT
TTCTCGCTCGCATTTTACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTGCG
GAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGAAGTCTAATAGAGGATCCTGA
TGA

+

:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1343:25690:22842_2:N:0:TCTGCAAG+GCTGCACT
ACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGA
GAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2372:17924:8641_2:N:0:TCTGCAAG+GCTGCACT
TTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAG
AATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2310:24071:24486_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCA
GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1652:24352:11757_2:N:0:TCTGCAAG+GCTGCACT
AAAAGCTATTAATAGCAGTTGCGGGCTATAATACCGCCTCCAGATTACTCTAAACTGAATCCACTCT
CTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTA

+

FF
F:FFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1463:11957:9612_2:N:0:TCTGCAAG+GCTGCACT
TCGATTGATTTTGTGACTACGATCTCTCTTGTAAATAAGAAGTTCTTCGCAAGTTGAATCTCCACCAGG
TGGAGGGAAGACTACTGAACTTATAGCGACTTTTGTGAATTTTTCGC

+

FFFFFFFF:FFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFF:F:FFFF:FFFFFFFFFFFF:FFFF:FF
,FFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFF:FFFF:FFFF:F

@A00721:190:HGJW7DSXY:4:2547:18358:22138_2:N:0:TCTGCAAG+GCTGCACT
ATTGTCACTGCTAATCGTAATTCGCGAGAAGAGATAGTGAATAAGTTTTGGCACTTCTAGTTCATCG
CGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG

+

FFFFFFFFFFFF:FF,FFFFFFFFFFFF:FFFF:FFF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FF:FFF:FFFFFFFFFFFFFFFF,FFFFFFFF,FFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1621:14714:32017_2:N:0:TCTGCAAG+GCTGCACT
TTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGC
TTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCG

+

FFFFF:FF
FFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFF:FF:FFFF

@A00721:190:HGJW7DSXY:4:1167:7880:22592_1:N:0:TCTGCAAG+GCTGCACT
CGCAAACACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATC
GCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGGTTACGGCAGGAAAATTTCTCTGCTTGTAAT
TCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2215:8006:19805_1:N:0:TCTGCAAG+GCTGCACT
TAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTATGAAGTTCAAGGTAATACTTACCAGCACG
TTCGGCTGGTTAGAATTAACCTCAAGATGACCCTGTTTTTGCATCACAAACACATATTACCGTTGCT
CTA

+

FF:FFFFFFFFFFFFF
FF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1165:22281:4445_2:N:0:TCTGCAAG+GCTGCACT
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCAGTTTAGCA
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGAT

+

FFFFFFFFFFFF:FFFF:FFF:FFFF:F,FFF:F,FFFF:FFFFFFFFFFFF,,FF,F,,:FFF:F
FFFF,FFFFFF:FF:FFF:FFFFFFFF,FF:FFFFFF:FFF:FF

@A00721:190:HGJW7DSXY:4:1530:19497:32315_1:N:0:TCTGCAAG+GCTGCACT
AGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCCTGGATCTTCTACTGTCTCTGCCTTCCAAG
ATTTCTTAGAAGAGGTTATTCCTGGAACACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGT
ACT

+

FFFFFFFFFFFFFFFFFFFF:FFF:FFFF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF:FFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF:F
:FF

@A00721:190:HGJW7DSXY:4:2654:15157:13401_2:N:0:TCTGCAAG+GCTGCACT
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTT
AGCTGTATCATCAGTCAGAGTATACCCGATAGGATACCGAGTCTCAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1533:12283:15468_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTGTTTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCT
CAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAA
TAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2363:18340:35728_2:N:0:TCTGCAAG+GCTGCACT
AGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCAAAATTTATTAATGCAATTTTCG
GACCTATCTTTAAGGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTAC

+

:FF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2352:18358:24079_2:N:0:TCTGCAAG+GCTGCACT
TCGATGCTGAATTTCTTGAACCTTTGGAGTGCCAGTGAATATTTTTGTACGCCAGGAGTATCCATAAC
GATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAAC

+

FF
:FFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF:::FFFFF

@A00721:190:HGJW7DSXY:4:1449:17354:36119_2:N:0:TCTGCAAG+GCTGCACT
TATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCTGCTGTGGTTGTCGCTG
GGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATAGATCGG

+

F:FFFFFFFF,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFF:F,::FFFFF:FFFFF:FF
,,FFFFFFFFFFFFFFF:FFF:FFFF,FF:FFFFFF,FF:FF,FFFFF

@A00721:190:HGJW7DSXY:4:2561:23900:27101_2:N:0:TCTGCAAG+GCTGCACT
GCGACTAATATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTAT
AAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGG

+

FFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,:FFFFFFFFFFFFFFFF
FFFF:FFFF:FFFF:FF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2455:1515:25974_1:N:0:TCTGCAAG+GCTGCACT
CCCGACCTTCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACG
GATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGG
TGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2502:25599:7153_1:N:0:TCTGCAAG+GCTGCACT
CGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCCTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTC
CCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCT
TTC

+

:FFFFFFFF:FFFFF:F,FFFFFFFFFFFFFFFFFFFF,FF,FFF:FFFF:,FFFFFFFFF,FFFF,
:,FFFFFFFFFFFFFFFFFFFF:FF:FF:FF::FF,FF:FFFFFFFF,FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2340:13431:27038_2:N:0:TCTGCAAG+GCTGCACT
TGTTTTCTTCTTTGCACTGATTTTCTCATCAGCTTGTTTACCTAATCTGTGTTTTACGATAA
CAACTATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATT

+

FF:FFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2334:2076:1297_1:N:0:TCTGCAAG+GCTGCACT
AGCACAACTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGT
TCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACTCCTTTAAGC
GTC

+

FF
FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2501:3378:3677_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTATTAATCACTCATTTTAGTGAGATTATTAACGCACTAAACGTCTTCGA
CAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATT
GGT

+

FFFFFFFFFFFF:FF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1401:10836:15812_1:N:0:TCTGCAAG+GCTGCACT
CACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATGATAGTGAAT
TTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACT
CAT

+

FF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1615:1904:32377_2:N:0:TCTGCAAG+GCTGCACT
TCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTAAATTCTAAACATTACCCGAAAGACGTGCT
AAATTAACCATTTGTACGATGTCGTCTGTCTCGGCGAGATCGGAAGA

+

FF
,FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:
,FFFFFFFF:FF:FF,FF

@A00721:190:HGJW7DSXY:4:2302:31195:28307_1:N:0:TCTGCAAG+GCTGCACT
TCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGT
TTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAACTACAGAGGAACG
TAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2224:4797:26490_2:N:0:TCTGCAAG+GCTGCACT
TCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCA
GAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2376:3712:16344_2:N:0:TCTGCAAG+GCTGCACT
AGTGTTATTTATTCTGGTGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTACCCGCCACCACAACTTTCAGTTTC

+

FF
FFFFF:FF,FFF
FFFFF:FF,FFF

@A00721:190:HGJW7DSXY:4:2368:27218:34945_1:N:0:TCTGCAAG+GCTGCACT
ACTTGAAAACCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATT
AAG

+
FFF,,::,,:,F,FF,:::F,F::F:,FFF,FFF:,FFF:F,,,FF:FFFFFF,FF:FFF:,FF,:
,FFFF,FFFF:,FFFFFFFFF,FFFFFFFFFFFF,FF,FFFF,::F:FFFF,F:,,,FF,FFF,FFFF
,::
@A00721:190:HGJW7DSXY:4:2102:20148:25801_1:N:0:TCTGCAAG+GCTGCACT
CTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGCTATTACTCTTGCTGAAACAGCTATTAAAGC
TGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTG
CTA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2676:16016:14418_2:N:0:TCTGCAAG+GCTGCACT
CAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAAACTCCAAGTAATTATGA
AGACTGTGATTATCTTTCACTCTGGCCTTGATGAGGGTGTTCCTAA
+
FF
F:FF
@A00721:190:HGJW7DSXY:4:1666:10230:33865_2:N:0:TCTGCAAG+GCTGCACT
AATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTG
GATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1344:9932:9486_2:N:0:TCTGCAAG+GCTGCACT
ATTAAACAAGTTGTACTTATCAATGATTTTATCGCGGGTGTATCTCGAAAAGTCTCTTCTAAAAGG
AACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCT
+
F:FFFF,FFFFFF,FF,FFFF:F,FFFFFFFF,FFF,FF,FFFF:,FFFFFFFF:,FFFFFFFF
FFF,F,::F,FFF::FF:F:FFFFFFFF:FFFFFF,FF,,FFFF,F:
@A00721:190:HGJW7DSXY:4:1160:23158:13135_1:N:0:TCTGCAAG+GCTGCACT
ATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCG
GAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAGTTTCGTTT
CGT
+
FFFFFF:FFFFFFFFF,FF:F:,FFFFFFFF,F:FFF:FFF::F,F,,FF:FFFFFF:::FFFFFF
FFFFFFFFFFFFFF::FFF:FFF:F,FFFFFFFF:FFFF:FFF,FF:FFFF:FF,FFFFFFFF,FF:F
FFF
@A00721:190:HGJW7DSXY:4:1343:27227:6809_1:N:0:TCTGCAAG+GCTGCACT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTGAAAGTTTG
AGAACTTAGTTTACGAACCTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTT
GAT
+
:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2344:31340:13495_2:N:0:TCTGCAAG+GCTGCACT
AAAATTTTCTTCTTGGAATTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTT
CTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGG
+
FFFF:FF
FFF:FF
@A00721:190:HGJW7DSXY:4:1458:31638:1611_2:N:0:TCTGCAAG+GCTGCACT
AACTCTAAGTGGTAATACTGTCTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAG

$+$

@A00721:190:HGJW7DSXY:4:2565:3992:12853_2:N:0:TCTGCAAG+GCTGCACT
GGTGGTCTTTATTCTATTATTGATTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGA
ATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTCTTCAA

+

@A00721:190:HGJW7DSXY:4:1515:31069:3443_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACT
TACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTG

+

@A00721:190:HGJW7DSXY:4:2649:9281:12587_1:N:0:TCTGCAAG+GCTGCACT
TTGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCTGCATAATCGCTGCA
TATTACGGATTACACGGTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTATTAACCTTA
TAA

+

@A00721:190:HGJW7DSXY:4:1140:21160:4006_2:N:0:TCTGCAAG+GCTGCACT
GACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAATAT
TACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACACTAGTTCGAGTG

+

@A00721:190:HGJW7DSXY:4:1449:8901:25676_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGATTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG

+

@A00721:190:HGJW7DSXY:4:2472:25328:27946_1:N:0:TCTGCAAG+GCTGCACT
TCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAA
CTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTT
GAT

+

@A00721:190:HGJW7DSXY:4:1313:12861:14434_1:N:0:TCTGCAAG+GCTGCACT
TGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAAT
CAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATC
TTT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1603:22779:5619_1:N:0:TCTGCAAG+GCTGCACT
GATTATAACTTGACTTTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGA
ACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAAGTAAAAAGATTCTTTTCGAAAAGAAACCTA
TA

@A00721:190:HGJW7DSXY:4:1575:11243:29450_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAATAAAAATACTTCAAGTACCTGAACCTTTACATTTTAAATGGTATGGTATAATGTGTCTTAC
AAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCT

@A00721:190:HGJW7DSXY:4:2138:5990:36479_2:N:0:TCTGCAAG+GCTGCACT
TTACTAGGATTTATCACACTCCTAAATTTGAAAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGA
AAAACCTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGT

@A00721:190:HGJW7DSXY:4:1272:16604:6574_2:N:0:TCTGCAAG+GCTGCACT
TTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATT
GAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTCCCGGAAGAAACGA

@A00721:190:HGJW7DSXY:4:2425:31864:10269_2:N:0:TCTGCAAG+GCTGCACT
ATGACCAATCATCGCTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGAT
CGGCACCACTGGTCTCTACGTTACAGGGACCCGCTGTGCAGAATAACCT

@A00721:190:HGJW7DSXY:4:1562:11803:10817_1:N:0:TCTGCAAG+GCTGCACT
GGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAAC
ATTGACGGCAGTCCCGTCATCTCTGTGGGAACTGAGGCAGTACCTCAGTCAAAGTCACATTCACCAC
TCC

@A00721:190:HGJW7DSXY:4:1573:23854:35603_2:N:0:TCTGCAAG+GCTGCACT
TGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCT
CCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACC

@A00721:190:HGJW7DSXY:4:2612:3992:20838_2:N:0:TCTGCAAG+GCTGCACT
AGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGG
TCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGA

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
```

@A00721:190:HGJW7DSXY:4:2210:14660:21872_2:N:0:TCTGCAAG+GCTGCACT
GGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTG
GGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGA

+

FFFF:FF
FFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2521:19958:28228_1:N:0:TCTGCAAG+GCTGCACT
CTTGACAGAGTGGAGTTCAGACGTGTGCTCTTCCGATCTCGTCACTGAGGACGAAGGTGAGAGGA
CTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTGAAGGCCGA
CGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2648:8350:4178_2:N:0:TCTGCAAG+GCTGCACT
GACGTTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGG
AGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCA

+

FFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFF
FF:F

@A00721:190:HGJW7DSXY:4:1678:6623:4382_1:N:0:TCTGCAAG+GCTGCACT
AAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTGTCCCA
GAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATA
TTC

+

FFFF:FF:FFFF:FFFFFFFFFFFFFF
FFFF:FF,FFFFFFFFFF:FF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1174:5511:2394_1:N:0:TCTGCAAG+GCTGCACT
GAGAGCATTAGAAGGAAGTTGGGCAAATCCACATATGGTAGACGTTGTCACTTTTCTTGAAAAT
TTTTCTTTCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATG
CTG

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFF:F:FF
FFF

@A00721:190:HGJW7DSXY:4:2561:11487:11616_1:N:0:TCTGCAAG+GCTGCACT
TTCAGACGTGTGCTCTTCCGATCTCGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAG
ACGGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGT
CAG

+

:FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1523:17011:22404_2:N:0:TCTGCAAG+GCTGCACT
GAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGA
AGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGG

+

FF:FFFFFFFFFFFF:FFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2477:2908:9314_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGTAGTATC
GACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTTCGGTAACCTACCATATTGTTCC
TTC

+
FFFFFFFFFFFFFF::FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2426:21911:17143_1:N:0:TCTGCAAG+GCTGCACT
TTTAACCTTTTACTCACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTG
ATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCT
GTA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1551:15031:7200_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAACCTATCGTTGTCTGACCTTACAAGGTTGAGGAGACTTTACAGCGG
CTTATTGTCGCGCAGTTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC
+
FFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1539:8395:27461_2:N:0:TCTGCAAG+GCTGCACT
ATTATTGATATTGGAGGCGATATTCTTTTTTCATATCCAAAACCTCTTGAATGGAGTACATATTTGCAA
CCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACAT
+
FFFFFFF:FF,FF:FFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2524:19976:33458_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTG
CGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTA
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1522:7401:4100_2:N:0:TCTGCAAG+GCTGCACT
TCATTTCTGCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACC
TTGGTATCGTTATCCGTCATGGAGATGATGCCGCATCACTTGATTACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2450:3821:28839_2:N:0:TCTGCAAG+GCTGCACT
ATTAATGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGT
ACCAAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1236:17626:4617_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCATAAGGGCTATTACGTACGTATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAAT
ATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTATCTCGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
@A00721:190:HGJW7DSXY:4:1365:6750:25739_2:N:0:TCTGCAAG+GCTGCACT
TTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAG
ACTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAGTACCGGAGGT
+

FF:FFFFFFFF
FF:
@A00721:190:HGJW7DSXY:4:1659:27335:14418_2:N:0:TCTGCAAG+GCTGCACT
CTTCTGCGTTACTGAGAGAAAAGATTACAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTT
GGGAAATACTTGTTCCTTTTTAGGTTTAGTAGGTGATCTTGACGTC
+
FFFFFFFF:F:FFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFF
FFFFFFFF:FFFFFFFFFFFF,:FFFF,:FF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2220:25907:26600_2:N:0:TCTGCAAG+GCTGCACT
GAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTT
TGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGT
+
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF:FF:FF:FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2229:26024:2002_2:N:0:TCTGCAAG+GCTGCACT
CAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTCAGCTACGAG
AGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTT
+
FF:FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2364:4164:25614_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTC
TTGATAATCTTAAAGAAAAATTTTCAATAAACTAATGAGAGGTATAG
+
FFFFFFFF:F:FFF:FF:FFFF
F,FFFFFFFF:FFFFFFFF,FFFFFF:F:FFF:FFFFFFFF:
@A00721:190:HGJW7DSXY:4:2213:4074:13275_1:N:0:TCTGCAAG+GCTGCACT
CTACCCATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGAGTCGTT
TCAACACTTATCACCACCTTTTGAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCT
CAA
+
FFFF:F:FFF,,FFFF,FFFF:FF:FFF:F:FF,FFFFFFFF:FFFF:FFFF,FFFFFF:FFF
FF:F:FFFFFFFF,:FF:F:F:FFFFFFFF:FFF:FFFFFFFF,FFFFFFFF:FFF:F
FFF
@A00721:190:HGJW7DSXY:4:2641:18240:14450_1:N:0:TCTGCAAG+GCTGCACT
ATTTGGATGTTGTCGAAAATATCAGGTTCTTGTCACGATTCTTAAAAGAAGTTTATTAACCTTCAG
AGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTC
TGT
+
FFFFFFFFFFFFFFFF:FF:FFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2233:29993:25003_1:N:0:TCTGCAAG+GCTGCACT
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTA
AAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCAGAGTTTCGACGTGCGGAAAAC
GAT
+
FF,FFF
FF:FF
FFF
@A00721:190:HGJW7DSXY:4:1246:7545:3223_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGTAATAGTTATAAACCTTCTTTTATCA
TTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTA
CAC

F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2436:22254:5462_2:N:0:TCTGCAAG+GCTGCACT
CTTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCCTTAACCAG
GACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTAC

+

FF
FFF

@A00721:190:HGJW7DSXY:4:2606:20735:9846_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCGCT
TTATGAGGTGCTCCATGCAAATTTACAGTTCCTCTTTGGTGATATCGC

+

:FFFFFFFF:FF:
FF,F:FFFFFFFFFFFFFF,FFFFFFFFFF,FF:::F,FFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2262:24551:16924_1:N:0:TCTGCAAG+GCTGCACT
TTACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTTCTTAGAGGCTCGTCTAGCCGCTGAG
ATTCGTCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGT
ACT

+

FF:
FF,
FFF

@A00721:190:HGJW7DSXY:4:2662:31656:32017_1:N:0:TCTGCAAG+GCTGCACT
GTTTATGTTTCGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCG
TGGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGT
CGA

+

FF:
FF:
FFF

@A00721:190:HGJW7DSXY:4:2168:23701:7373_1:N:0:TCTGCAAG+GCTGCACT
TTCTCGCTCGCATTTCAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTGCG
GAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGAACTTCTAATAGAGGATCCTGA
TGA

+

FF:
FF:
FFF

@A00721:190:HGJW7DSXY:4:1343:26494:22232_2:N:0:TCTGCAAG+GCTGCACT
ACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGA
GAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTG

+

FF:
FFF

@A00721:190:HGJW7DSXY:4:2538:18050:32283_2:N:0:TCTGCAAG+GCTGCACT
TTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAG
AATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGAG

+

FF:
FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2437:8513:2675_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCATACCACTGATCTTCCA

GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2141:21215:27117_2:N:0:TCTGCAAG+GCTGCACT
AAAAGCTATTAATAGCAGTTGTGGGGCTATAATACCGCCTCCAGATTACTCTAAACTGAATCCACTCT
CTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTA
+
FF
FFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:2456:12237:21652_2:N:0:TCTGCAAG+GCTGCACT
TCGATTGATTTTGTGACTACGATCTCTTGTATAAAGAAGTTCTTCGCAGTTGAATCTCCACCAGG
TGGAGGAAGACTACTGAACTTATAGCGACTTTTGTGCAATTTTTCGC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF,FFFF,FF
@A00721:190:HGJW7DSXY:4:2611:28420:28197_2:N:0:TCTGCAAG+GCTGCACT
ATTGTCACTGCTAATCGTAATTCGCGAGAAGAGATAGTGAATAAGTTTTGGCACTTCTAGTTCATCG
CGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCG
+
FFFFFFFFFFFF,FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF
FFFF:FFF,FF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:2472:16595:27070_2:N:0:TCTGCAAG+GCTGCACT
TTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCTTTTTCTTACACATCTACTTAAGGCGGC
TTATACCATAGGTTACGGTGAATCCAATCAAATCGGATTCATCAATCG
+
FFFF:FF
F,FFFFFFFFFFFF:FFFF,FFFFFFFFFFFF:FFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1167:8323:22357_1:N:0:TCTGCAAG+GCTGCACT
CGCAAACACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATC
GCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGGTTACGGCAGAAAAATTTCTCTGCTTGAAT
TCG
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2333:9787:21104_1:N:0:TCTGCAAG+GCTGCACT
TAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCAATGAAGTTCAAGGTAATACTTACCAGCACG
TTCGGCTGGTTAGAATTAAACCTCAAGATGACCCTGTTTTGCATCACAACACATATTACCGTTGCT
CTA
+
FFFFFFFFF:F,FF
FFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1215:30526:21136_2:N:0:TCTGCAAG+GCTGCACT
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCA
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGAT
+
FFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFF,FFFFFFFFFFFF:F:
FFFFFF:FFFFFFF:FFFF:FFF:FFF:FFFFFFFFF,FFFFF
@A00721:190:HGJW7DSXY:4:2305:3215:24846_1:N:0:TCTGCAAG+GCTGCACT
AGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAG
ATTTCTTAGAAGAGGTTATTCCTGGAACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGT
ACT

[illegible]

@A00721:190:HGJW7DSXY:4:2664:2040:18333_1:N:0:TCTGCAAG+GCTGCACT
GATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACCATCTTTCATTTTAAATG
ACGATCATTAAGACTCTCTTTCTTTGTTTCCTTCTTTGCACTGATTTTTCCTCATCAGCTTGTGT
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2177:1506:34726_1:N:0:TCTGCAAG+GCTGCACT
TTTACGATAACAACCTATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAG
GGTGAAGCACAACTTTGACCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCT
TGA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFF,
FFF

@A00721:190:HGJW7DSXY:4:2633:27868:22388_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTATTAATCACTCATTTTAGTGAGATTATTAACACGCACTAAACGTCTTCGA
CAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATT
GGT

+

FF:FFFFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1577:22236:20682_1:N:0:TCTGCAAG+GCTGCACT
CACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATGATAGTGAAT
TTATACCTACAATCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACT
CAT

+

FFFFFFFF:FFFFFFFFFFFF:F,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:F:FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFF,:FFFFFFFFFFFFFFFF,FFF,FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2351:27850:1752_2:N:0:TCTGCAAG+GCTGCACT
TCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTGCT
AAATTAACCATTTGTACGATGTCGTCTGTCTCGGCGAGATCGGAAGA

+

FF
FFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:2348:23538:3646_1:N:0:TCTGCAAG+GCTGCACT
TCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGT
TTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAACTACAGAGGAACG
TAC

+

FF
FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2343:25455:21026_2:N:0:TCTGCAAG+GCTGCACT
TCTTTTCATATTATGAATGAACCTTCGGCCGCTCTTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCA
GAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGAT

+

FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:,FFFFFFFFFFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:2412:21748:1297_2:N:0:TCTGCAAG+GCTGCACT
AGTGTTATTTATTCTGGTGGTGTGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT

CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC

+

FF:FF:FF:FFFFFFFFFFFFFF
FFFFFFFF,FFF,FFFF:FFF::,FFFFFFFFFFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2468:16468:28886_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAG

+

FF:FFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2134:14398:29747_1:N:0:TCTGCAAG+GCTGCACT
CTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGC
TGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTA

+

FF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1268:6234:29919_2:N:0:TCTGCAAG+GCTGCACT
GCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGA
CTGTGATTTATCTTTCACTCTGGCCTTGTATGAGGGTGTTCATCG

+

FF:FFF
F:FFF

@A00721:190:HGJW7DSXY:4:2173:12057:13322_2:N:0:TCTGCAAG+GCTGCACT
AATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTG
GATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGAT

+

FF:FFFFFFF
FFF:FFF

@A00721:190:HGJW7DSXY:4:1508:18548:1391_2:N:0:TCTGCAAG+GCTGCACT
ATTAAGGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATATCGAAAAGTCTCTTCTAAAAGG
AACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATAA

+

F,FF:F,FF,:FFF:F:F::,FF,FFFFFF:F,:,,FF,FF:F,:F,FFFF,F,FF:F,FFFF:F
FF,FF,F,FF,FF:F:F:FF,,,FF,FFFFFF,F,FF:,FFFF,:,

@A00721:190:HGJW7DSXY:4:1412:30002:5102_1:N:0:TCTGCAAG+GCTGCACT
ATGGCACTACCTCGGTACAATCTTACTTGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCG
GAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAGTTTCGTTT
CGT

+

FFFFFFFFFFFFFFFF,FF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1372:3323:26788_1:N:0:TCTGCAAG+GCTGCACT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGTTACGAGAAGAAGGTTGAAAGTTTG
AGAACTTAGTTTACGAACCTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTTGAT

+

FFFFFFFFFFFFFF:F:FF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFF:FFFFFF:
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2359:10077:17284_2:N:0:TCTGCAAG+GCTGCACT
AAAATTTTCTTCCTTGGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTT
CTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGG

+

FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:1478:6298:32315_2:N:0:TCTGCAAG+GCTGCACT
AACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAG
GGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACG

+

FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2565:4110:12649_2:N:0:TCTGCAAG+GCTGCACT
GGTGGTCTTTATTCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGA
ATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAA

+

FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1529:16297:6292_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACT
TACTTAGACTTTCTACGATACAAATGATAACTTCTAATTTACGTTTG

+

FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1430:9588:24674_2:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTAT

+

FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2310:14290:20384_2:N:0:TCTGCAAG+GCTGCACT
GAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATAATAT
TACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTG

+

FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1451:17345:10394_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG

+

F:FFFFFFFFFFFFFFFFFFFF:FF,F,FF
FFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2641:32244:29309_1:N:0:TCTGCAAG+GCTGCACT
TCTTAGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATCTTTTGATACAA
CTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTT
GAT

+

FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2575:7862:32268_1:N:0:TCTGCAAG+GCTGCACT
TGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAAT

+

@

+

@

+

@

+

@

+

@

+

@

+

@

+

```
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
```


@A00721:190:HGJW7DSXY:4:1163:20066:25347_1:N:0:TCTGCAAG+GCTGCACT
GGAGTTTCAGACGTGTGCTCTTCCGATCTGGGAAATGTCCCCAAACTGATAAGAATAAAGGGAAAGGT
CCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGG
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2361:22824:25488_1:N:0:TCTGCAAG+GCTGCACT
GCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAA
AGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTATGAGCA
AAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1530:3007:16031_1:N:0:TCTGCAAG+GCTGCACT
TCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAG
AGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGTGGCCGGTGACGTTTTTGTCAA

+

FF:,FFFF,FFF,,:FFFF:FFFFFFFFF:,FFFF::,,,,,,,,,F,F,FF,FFF,F,FFF,:FF:
,F,FFF::FFFF:FF,,FFFF,:F:FFF:F,F:FFFF:FFFFF,F,:FFFFFF,FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1617:3242:15060_1:N:0:TCTGCAAG+GCTGCACT
TTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATTGAGTCTTGAAGGACTTAGGTTGGCATATTT
ATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGT
GAG

+

FFFFF:,F:FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2305:9715:26584_1:N:0:TCTGCAAG+GCTGCACT
CACTATTTTTGCCAGAAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTG
AGGGTTTTTTGTTATATTCAGTGGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAG
AGC

+

FF
FFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1556:28049:34507_2:N:0:TCTGCAAG+GCTGCACT
AGTTGGGCAAATCCCACATATGGTAGACGTTGTACACTTTTCTTGAAAATTTTCTTTCTCCGT
CATTGGGGATTTGATGTGAGAAGGTGAAGGTGTCAAGGTCTTCTT

+

:FFFFFFFF:FFFFF:FFF
FFF,FFFFFFFFFFFF,FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2672:23963:30812_1:N:0:TCTGCAAG+GCTGCACT
TTCAGACGTGTGCTCTTCCGATCTCGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAG
ACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGT
CAG

+

FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF::FFF
FFF

@A00721:190:HGJW7DSXY:4:2251:29369:11397_2:N:0:TCTGCAAG+GCTGCACT
GAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGAGAGTCCAGAAGTTGA

TGAAGAAGGATTATTTGAAGCAGGGGTACCACTTCCTAAGGTGGATG

[illegible]

+

[illegible]

+

```
FFFF:FFF:FFFFFF,FFFF:,FFFF:FFFFFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF
```

+

```

FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

+

```

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFF,FFFFFFFFF:,FFFFFFF,FFFFF::FFFFFF:F:
F,,:FFFFF,,F,FFFFF:FF:FFFFF,FFF:FFFFF,,:F,F:FFFFF

```

+

```
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

 $+$ [illegible]

+

[illegible]

@A00721:190:HGJW7DSXY:4:1535:17951:27821_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCATAAGGGCTATTAGTACGTATGGGGATCACTTCTCGGTCAATGACAAAACCTTCGAAT
ATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGG

+

FFF:
FFF

@A00721:190:HGJW7DSXY:4:2210:15203:2863_2:N:0:TCTGCAAG+GCTGCACT
TTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAG
ACTTTGGGTACACGTTATGCTCGCAAACCTAACGTTAGTACCGGAGGT

+

FFF:
FFF

@A00721:190:HGJW7DSXY:4:2304:14525:30749_2:N:0:TCTGCAAG+GCTGCACT
CTTCTGCGTTACTGAGAGAAAAGATTACAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTT
GGGAAATACTTGTTCCTTTTCTAGGTTTAGTAGGTGATCTTGACGTC

+

FFF:
FFF

@A00721:190:HGJW7DSXY:4:2320:12066:35289_2:N:0:TCTGCAAG+GCTGCACT
GAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTT
TGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGT

+

FFF:
FFF

@A00721:190:HGJW7DSXY:4:2233:5086:33066_2:N:0:TCTGCAAG+GCTGCACT
CAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAG
AGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTT

+

FFF:
FFF

@A00721:190:HGJW7DSXY:4:2634:28809:13244_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTC
TTGATAATCTTAAAGAAAAATTTTCAATAAACTAATGAGAGGTATAG

+

FFFFF,FFFF:FFFFFFFF:FFFFFF:FFF:
FFFFF,FFFF,FFF,FFFFFFFFFFFFFFFF:FFFF:FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1176:4616:37012_2:N:0:TCTGCAAG+GCTGCACT
CATAACTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAAC
ACTTATCACCCTTTTGAAGGAAAATAATTGGTGATGAAAATACGTA

+

FFF:
FF,FFFFFFFFF,FFF:FFFF,FFFFFFFFF:FF,,,:FFFF:F::

@A00721:190:HGJW7DSXY:4:2662:30327:29904_1:N:0:TCTGCAAG+GCTGCACT
ATTTGGATGTTGTCGAAAACATCAGGTTCTTGTACGATTCTTAAAAGAAGTTTATTAACCTTCAG
AGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTC
TGT

+

FFF:
FFF
FFF

@A00721:190:HGJW7DSXY:4:2249:23909:13088_1:N:0:TCTGCAAG+GCTGCACT
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTA
AAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATACCCAGAGTTTCGACGTCGCGGAAAAC
GAT

+
FF:FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1262:6705:1454_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCA
TTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTA
CAC
+
FF:FF,FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2515:18123:5478_2:N:0:TCTGCAAG+GCTGCACT
CTTTTGAATATGACAGAAGCTCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAG
GACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2576:4887:3067_1:N:0:TCTGCAAG+GCTGCACT
GTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTATGAGGTGCTC
CATGCAAATTTACAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTAATCGTGAGGTTACG
AGA
+
FF,FFFFFFFFFFFF
FFFFFFFFFFFFFFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:2561:10664:6997_1:N:0:TCTGCAAG+GCTGCACT
TTACCACCCTTGTCATTGATACAAACATTCTAGGTGATGCTTCTTAGAGGCTCGTCTAGCCGCTGAG
ATTCGTCTTACCTATTTACAATCTGTAGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGT
ACT
+
FF::F:F,FFF,F,FFFFFFFF:FFF,FFFFFF::F,FFFFFFFF,FFFF,:FFFFFFFF,F,:F:FFFF
FFFFFFFFFF,FF:FFF:F:FF:FFFF::,FFFFFFFFFFFFFFFFFFFFFFFF:FF::FF::F:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:1146:8269:34820_1:N:0:TCTGCAAG+GCTGCACT
TTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGT
GGACTTGGGAAGAGATTAAACATAAATTCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTC
GAT
+
FF:FFFFFFFF:FFFFF,FFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:2417:32407:6292_1:N:0:TCTGCAAG+GCTGCACT
TTCTCGCTCGCATTTACAAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGC
GAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGA
TGA
+
FFFFFFFF:F:FF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1369:8015:10426_2:N:0:TCTGCAAG+GCTGCACT
ACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTGGAATTAGA
GAAAGACGACCTTCTTGTTGGGGACTGAGACCTCTGAATTTTCAGGGTG
+

[illegible]

@A00721:190:HGJW7DSXY:4:1260:15447:16000_2:N:0:TCTGCAAG+GCTGCACT
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCACGTTTAGCA
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGAT

+

FFFFFF:FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FF:FFFFFF
FFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1477:7744:25488_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTCTT
AGAAGAGGTTATTCTCTGGAACCACCTTAACGTCACCTCGGTAATCTTTC

+

FF
FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2314:8549:28823_1:N:0:TCTGCAAG+GCTGCACT
CGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGGTTTA
GCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAG
GCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1654:28248:11334_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTGTTTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCT
CAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAA
TAT

+

FFFFF:FFF:FFFF:FF,FFFF::F:FFF:, :FFFF,FFFF::FFFF,F:FFFFFF:FFFFFF,FFFFF,
FFFFFFFF:F,FFFFFFFF:FFF::FF,FFFFF:,FFFF:FFF:FFF,:FFF:FFFFFFFFFFFF, :
:FF

@A00721:190:HGJW7DSXY:4:1236:14724:16125_1:N:0:TCTGCAAG+GCTGCACT
GGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTG
ACGATTTCTCCCGGAAGCTCTTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGAT
TTT

+

FFFFF:FFFFFFFFFFFFFF,FFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFF
F:FFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F:
FFF

@A00721:190:HGJW7DSXY:4:2634:9453:24471_2:N:0:TCTGCAAG+GCTGCACT
TTGGAGTGCCAGTGAATATTTTGTACGCCAGGAGTATCCATAACGATTTGTCATTTACCACCTTGG
CTCAACGACGAAGTGGAACGGCCAACACTTTCTTTGGTAATTGTATGA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFF:F,FF:FFFFFF

@A00721:190:HGJW7DSXY:4:2427:14561:21637_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATCACTTTATTATGACCTTGGAAAGTTTCGGCTGTGGTTGTCGCTGGGACGATTCCATTCT
GTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGA

+

FFFFFFFFFFFFFF,FF
FFFFFFFF:FFFF:FFF:FFFFFFFF,F:FFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2359:13196:22936_2:N:0:TCTGCAAG+GCTGCACT
ATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAA
TTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1276:32425:18004_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCTCAGTAATCCTGATTATACTACGGATTTCATGGACATTCCATCCTGTACCTCTTCTGGAGAG
ACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCG
GTA

+

FFFFFFFFF,::FFFFFFFFF,FF:FF,:FFF,FFFF:F:,FF:FFFF,FFF,,FFFFFFFFFFFFF
FF,F:F::FFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFF,:FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2319:3305:6997_2:N:0:TCTGCAAG+GCTGCACT
AGTCTCAGACGTGACCAGCTTTCATTTTAAATGACGATCATTAAAGACTCTTTCTTCGTTGTTTCCT
TCTTTCGACTGATTTTTTCATCATCAGCTTGTGTTTTACCTAATCTGTG

+

,,FF,F,,F:,,,FFFF,F,FF:FF,F:FFFF,FFF::FF:FFFF::,,:F:F:F,,,FFF,F:FF
FFF,,:FFFF,FFFF,FF,FFFF:F,F,,FFFFFF:F:,F:F,FF,,F

@A00721:190:HGJW7DSXY:4:2344:24108:15123_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTT
TGACCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTC

+

FFFF,FFFFFFFFFFFFFFFFF:,FFF,FF:FFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FF:FFFFF
FFFFFFFFFFFFFFFFF:F:F,,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1232:17725:19727_1:N:0:TCTGCAAG+GCTGCACT
TGACTGGAGTTCAGACGTGTGCTCTTCCGATCTATTATTAACGCACTAAAACGTCTTCGACAACA
GCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGGGGTTTTCGAATAGTGAT
AGC

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1223:1750:20055_1:N:0:TCTGCAAG+GCTGCACT
ACCTTTTCTACTGTCTGTCTCGCCTCTTTCGAATGAAGTTTAAATGCTTAACAACAATGATAGTGAATT
TATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTC
AT

+

FF,FFFFFFFFFFFFFFFFFFFF,FF:FF:FFFFFFFFFFFFFFFFF:FFF::FFFFFFFFFFFFFFFF:FF,
F,FFFFFF:FFF:FFFFFFFFFFFFFFFFF::FFFFF:F,FF:FFFFFFFF:FFFFFFFF:FFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:2466:23321:29356_2:N:0:TCTGCAAG+GCTGCACT
TCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCT
AAATTAACCATTTGTACGATGTCGTCTGTCTCGCGAGATCGGAAGA

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2546:13096:32315_1:N:0:TCTGCAAG+GCTGCACT
TCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGT
TTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACG
TAC

+

F:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1134:27136:18082_1:N:0:TCTGCAAG+GCTGCACT
TTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGA
ATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACG
GTA

+
FF:FFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1164:20600:32064_2:N:0:TCTGCAAG+GCTGCACT
TATTCTGGTGATGATAATCTTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACG
GCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTTCACAACTGAA

+
FF
:FF
@A00721:190:HGJW7DSXY:4:2475:3866:18584_1:N:0:TCTGCAAG+GCTGCACT
ACTGAAAAACCCTCGTCAATACTTTTCAATAATATACGCTTGAAGCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTCTGGAACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTC
AAG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2223:15962:9565_1:N:0:TCTGCAAG+GCTGCACT
CTGATTCCGGCCGGTAGCTCATTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGC
TGTTGAGCGGGTAATTACACCTAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTCTG
CTA

+
FFFF:FF,FF,, :FF,FF::FFFFFFFFFFFF,FFFF,FF:FF::FFFFFFFFFFFF:FFFF:FF:FFF,
FF:FF:FFFFFFFF,FFFFFFFFFFFF:FFF:FFFFFF
:FF

@A00721:190:HGJW7DSXY:4:1377:8549:17707_2:N:0:TCTGCAAG+GCTGCACT
GCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGA
CTGTGATTTATCTTTCACTCTGGCCTTGTATGAGGGTGTTCCTAATCG

+
FF
:FF
@A00721:190:HGJW7DSXY:4:2321:7148:26428_2:N:0:TCTGCAAG+GCTGCACT
AATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTG
GATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGAT

+
FF
FF:FFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1553:27371:32049_2:N:0:TCTGCAAG+GCTGCACT
ATTAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGG
AACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCA

+
FFFFFFFFFF,FF:FF,:FF:, , FFFFFFFFFF:F:FFFF::FFFF,FFFF:FFFF:,F,FFFF:F
FFFF:F:FF:F:F:FFFF:F,FF,FF,, FFFFFFFFFF,FFFF,,,
@A00721:190:HGJW7DSXY:4:1610:19831:27853_1:N:0:TCTGCAAG+GCTGCACT
ATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCG
GAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTT
CGT

+
FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1639:26838:12085_1:N:0:TCTGCAAG+GCTGCACT
TAGTGCAGGCCTCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTCTGAAAGTTTG

AGAACTTAGTTTACGAACTTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTT
GAT

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2502:17499:7686_2:N:0:TCTGCAAG+GCTGCACT
AAAATTTTCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTT
CTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGG

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2167:17273:20353_2:N:0:TCTGCAAG+GCTGCACT
AACTCTAAGTGGTAATACTGTCTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAG
GGGACATTTTATCGTGGGCTTTCGTAAGGAAGATCTGTTATCGACG

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2141:9842:26365_1:N:0:TCTGCAAG+GCTGCACT
TGGTCTTTATTCTATTATTGATTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAAT
TCCTGAAGAGTCCTTCGTAACCAACTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATCT
AGG

+

F,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2157:28926:2206_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACT
TACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTG

+

FFFFFFFFFFFFFF:FFFFF:FFFFFFFFF:FFFFFFFFF:F,FFFFF,FFFFFFFFFFFF
FFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1552:8205:20369_2:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTAT

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2557:6361:15201_2:N:0:TCTGCAAG+GCTGCACT
GAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATAATAT
TACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTG

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
:FFFFFFFFFFFFFF:F:F:FFFFFFFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1551:2067:25269_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG

+

FFFFFFFFFFFFFFFF:FFFFF:FFFFF:F:FFFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:F:FFFFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1352:7256:21731_2:N:0:TCTGCAAG+GCTGCACT
AGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTTTGGATACAACCTCT

AGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGA
+
FFFFFFFFFFFFFFFF:FF
FF, :FFFFFFF
@A00721:190:HGJW7DSXY:4:1540:27290:4194_1:N:0:TCTGCAAG+GCTGCACT
CCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACA
AGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGG
GTG
+
FFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFF,FFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1643:9263:12430_2:N:0:TCTGCAAG+GCTGCACT
GTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTAC
TTTCCGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGG
+
:FFFFFFFFFFFF::FFFFFFFFF,FFF:F:F:FFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFF,FFF
FFFFFF:FFFFFFFF,F:FF,FFFF:F,F:FFFF:FFFF,FFFFF
@A00721:190:HGJW7DSXY:4:2632:12382:26569_2:N:0:TCTGCAAG+GCTGCACT
GCTTTAGACGATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTT
GCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1114:5755:7075_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGAATTTATTAATCATTACTTTAACGATCTCT
CGGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACATTTACTAATAATGACTCT
A
+
FFFF,, :FFFFFFFF:F,,FFFF,FFFFFFFF,, :F,: ,FFFFFFFF,FFFF,FF:FF,FF,FFFF
,,FF:FFFF,F,F,FF,:FFFFFFFF,:F,:F,FFFF,FFF:FF,:F:, ,F,F,, ,F,FF,:F,,FF
F
@A00721:190:HGJW7DSXY:4:1425:1081:29293_2:N:0:TCTGCAAG+GCTGCACT
ACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCT
TCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCT
+
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFF
FFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFF
@A00721:190:HGJW7DSXY:4:1325:4408:23750_1:N:0:TCTGCAAG+GCTGCACT
AATGCTTTTTTCTCCCTTAACCTTAATACTAAGAGAACACCCGCAAACGACTCGAAACCGAGACG
CCGTAGATCAAAGTCCCTTCTAACTTTAGAT
+
F:,,,::,FFF:F,,,,,F,F,,,:,,,::,F,,,,,F:,FF,,F,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1165:26332:6637_2:N:0:TCTGCAAG+GCTGCACT
TGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACT
CCGAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF,FF:FFFF,FFFFFFFFFFFFFFFF::FFFFF
@A00721:190:HGJW7DSXY:4:2371:1669:34569_2:N:0:TCTGCAAG+GCTGCACT
CAAGGAACTTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTCGA
CAAATTTTAGAATTTATTTTCAAGACTCTCTCCGATCACCTTGGTGTG
+

FF
F:FF:F
@A00721:190:HGJW7DSXY:4:2254:32000:11913_1:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TAC
+
:,FFFFF,FF:FFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2565:12970:26772_1:N:0:TCTGCAAG+GCTGCACT
AACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGT
CGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTT
ACA
+
FFFFF:FFFFFFFF:FF
FF:FFF:FFF:FFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2167:1524:12461_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAATAAAAATACTTCAAGTACCTGAACCTTTACATTTTTAATGGTATGGTATAATGTGTCTTAC
AAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCT
+
FF
FFFFFFFFF::FFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2162:12491:1548_2:N:0:TCTGCAAG+GCTGCACT
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTGA
AAAACCTCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGT
+
FF
FFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1665:24921:28244_2:N:0:TCTGCAAG+GCTGCACT
TTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATT
GAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTCCCGGAAGAAACGA
+
FF
FFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1125:12337:27085_2:N:0:TCTGCAAG+GCTGCACT
TGACCAATCATCGCTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATC
GGCACCCTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTT
+
FF
FFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1642:30300:26757_1:N:0:TCTGCAAG+GCTGCACT
GGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCAACCGAGGTGCTCGTAAC
ATTGACGGCAGTCCCGTCATCTCTGTGGGAACTGAGGCAGTACCTCAGTCAAAGTCACATTCACCAC
TCC
+
FFFFFFFFF:FFFFF:FF
FFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2371:32551:10708_2:N:0:TCTGCAAG+GCTGCACT
TGTGACTATACAGTTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCT
CCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACC
+

AGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTA
AGG

+

FF:FF,FFFFFFFF
FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2626:8865:28369_1:N:0:TCTGCAAG+GCTGCACT
ATTTAGGTCATCTTGGTGTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGTTACTTTTGAGTATC
GACGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTAGGTAACCTACCATATTGTTCC
TTC

+

:FFF,F::FF,,FF:, ,FFFF,FFFFFF,F,:F:F,,:F:,,,FF::,FFFF,,,F:F:,F,FFF:
:F,FFFF:FFF::FF:FFFF:,F,F:F,:FFF,,,F:, ,FFFF,,:F:F,F::,,F:FFF:F:, ,
FFF

@A00721:190:HGJW7DSXY:4:2446:1561:32659_1:N:0:TCTGCAAG+GCTGCACT
TTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTG
ATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCT
GTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1643:1362:28275_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGTTGAGGAGACTTTACAGCGG
CTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1314:27480:18490_1:N:0:TCTGCAAG+GCTGCACT
GAGGCGATATTCGTTTTCATATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGAT
GTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2176:22299:2065_1:N:0:TCTGCAAG+GCTGCACT
TTCGTTCTGTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTAT
ACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTGTC
TTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2367:15456:6277_2:N:0:TCTGCAAG+GCTGCACT
GACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGC
ATCACTTGATTACTATATGCCGAAGGATTGGGTTATTCTCACAACAA

+

FF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1554:23204:5321_1:N:0:TCTGCAAG+GCTGCACT
AATGAGTTCGAATAACTCGTAATAAATCTTCTCTAGTGGACAATTAGAATACCTATTTCCGTACC

AAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATA
AAA

+

FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1537:1958:9330_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAAT
ATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGG

+

:FFFFFFFF,FFFF,FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2368:30083:26694_2:N:0:TCTGCAAG+GCTGCACT
TTCATATAGATACGAGATACCTAGAGAAGTTCGACGATCTTACTCGTTATCGGAGCTAAGAAGAAG
ACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGGAGGT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2358:7419:14998_2:N:0:TCTGCAAG+GCTGCACT
CTTCTGCGTTACTGAGAGAAAAGATTACAGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTT
GGGAAATACTTGTTTCCCTTTTAGGTTTAGTAGGTGATCTTGACGTC

+

FFFFFFFFFFFF:FFFFFFFF:FF:FFFF,FFFFF
FFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2352:10303:4429_2:N:0:TCTGCAAG+GCTGCACT
GAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTT
TGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGT

+

FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2427:20021:15217_2:N:0:TCTGCAAG+GCTGCACT
CAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAG
AGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1253:8513:21120_1:N:0:TCTGCAAG+GCTGCACT
GTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCT
TGATAATCTTAAAGAAAAATTTTGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTA
CAT

+

FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1653:26955:14481_2:N:0:TCTGCAAG+GCTGCACT
CATAACTTCTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAAC
ACTTATCACCCTTTTGAAGGAAAATAATTGGTGATGAAAATACGTA

+

FFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFF:F,FFF
FF:F:F,FFFF,,FFFFFFFFF::FFF:FF:FF,FFF:FFF:F:F,

@A00721:190:HGJW7DSXY:4:1110:21603:35618_2:N:0:TCTGCAAG+GCTGCACT
TTGGATGTTGTGCAAACTATCAGGTTCTTGTCACGATTCTTAAAAGAAGTTTATTAAACTTCAGAG
TCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTT

+

FF
FFF

@A00721:190:HGJW7DSXY:4:1641:24686:35039_2:N:0:TCTGCAAG+GCTGCACT
ACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGA
GAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTG

+
FF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1340:11487:31688_2:N:0:TCTGCAAG+GCTGCACT
GGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAATAAAG
GTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGAGAAAAC TG

+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF,FF,FFFFFFFF
FF:FF::FF

@A00721:190:HGJW7DSXY:4:1622:15682:10332_2:N:0:TCTGCAAG+GCTGCACT
GCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCAGAGTTACG
TAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAG

+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF:F,FFFF
,FFFFFFFFFFFFFFFF,FFFF:FFFF:FFFF,F,F,FFF,FFF:FFFF

@A00721:190:HGJW7DSXY:4:2326:2935:17910_2:N:0:TCTGCAAG+GCTGCACT
AAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAAACTGAATCCACTCT
CTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTA

+
FF
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:

@A00721:190:HGJW7DSXY:4:1112:6714:26616_2:N:0:TCTGCAAG+GCTGCACT
TTGTTGACTACGATCTCTCTTGTAAATAAGAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAG
ACCACTGAAGTTATAGCGACTTTTGTGCAATTTTTCGCAAAAGTCTT

+
FF:FFFFFFFFFFFF
FFFFFFFFFFFF,FFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1305:9019:33395_2:N:0:TCTGCAAG+GCTGCACT
CTGCTAATCGTAATTCGCGAGAAGAGATAGTGAAGTTTGGCACTTCTAGTTCATCGCGGTATT
TGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGA

+
FF
FF

@A00721:190:HGJW7DSXY:4:2560:18439:13573_2:N:0:TCTGCAAG+GCTGCACT
TTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCTTTTTCTTACACATCTACTTAAGGCGGC
TTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCG

+
FFFFFFFFFFFF,FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
:FFFFFFFF,::FFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FF:FFF

@A00721:190:HGJW7DSXY:4:1477:1615:20290_1:N:0:TCTGCAAG+GCTGCACT
CGCAAAGTACTTCAACATCAACGACATCATTCTTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATC
GCTGCCCCGCCGACGTTTGTGCGCAACTCTCAGAGGTTACGGCAGAAAAATTTCTCTGCTTGAAT
TCG

+
FF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2445:8024:34929_1:N:0:TCTGCAAG+GCTGCACT
TAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTATGAAGTTCAAGGTAATACTTACCAGCACG

:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFF,
FF:FFF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:2411:5023:7216_2:N:0:TCTGCAAG+GCTGCACT
ATTCGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAA
TTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGA
+
FFFFFFFF:FF
FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1438:24496:10567_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCTCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAG
ACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCTG
GTA
+
FFFFFFFFFF:FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2378:10474:27555_2:N:0:TCTGCAAG+GCTGCACT
AGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTCTTCTTTGTTTCCT
TCTTTCGACTGATTTTTCCTCATCAGCTTGTGTTTTACCTAATCTGTG
+
FF,FF:FFFFFFFF,FF::FFFF
FFFFFFFFFFFFFFFF:FF:FFF
@A00721:190:HGJW7DSXY:4:2367:22272:31610_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGAATTTGAAGCTCAGGGTGAAGCACAAACGTT
TGACCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTC
+
F:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1265:7310:23954_1:N:0:TCTGCAAG+GCTGCACT
TGACTGGAGTTCAGACGTGTGCTCTTCCGATCTATTATTAACGCACTAAAACGTCTTCGACAACA
GCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGGGGTTTTCGAATAGTGAT
AGC
+
FF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1569:24532:1548_1:N:0:TCTGCAAG+GCTGCACT
TACTGTCTGTCTCGCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTA
CAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGT
TAC
+
FF:F,FFFFFFFFFFFFFFFFFFFFFFFF,FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2624:26259:16971_2:N:0:TCTGCAAG+GCTGCACT
TCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTGCT
AAATTAACCATTTGTACGATGTCGTCTGTCTCGGCGAGATCGGAAGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2512:4878:17300_2:N:0:TCTGCAAG+GCTGCACT
TTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTC
AGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTAC
+

FFFFFFFF,FFFF:FFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1515:26467:2988_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTCATATTATGAATGAACCTTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTT
CAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGT
TAC

+
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF
F::FF
FFF

@A00721:190:HGJW7DSXY:4:2424:8350:29794_2:N:0:TCTGCAAG+GCTGCACT
AGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC

+
FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2609:28528:12195_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATT
AAG

+
FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2550:4426:7968_1:N:0:TCTGCAAG+GCTGCACT
CTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGC
TGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTCTG
CTA

+
FFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2271:32696:23641_2:N:0:TCTGCAAG+GCTGCACT
GCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGA
CTGTGATTTATCTTTCACCTCTGGCCTTGTATGAGGGTGTTCCTAATCG

+
FF:FFF
FFFFF,FFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2118:19768:31657_1:N:0:TCTGCAAG+GCTGCACT
ATTTCAATATTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTTG
ATAGCCAATATTGAAGTGGACACATCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAGGAGCTTA
TAC

+
FFFFF,FF,FF:FF,,,:FF:F,FFFF:FFF:FFFF:FFFF,F,F,FFFF,,F,:FF,,F,FF,F
FFFFF,FFF:FF,:FFFF,FF:,F,FFFFFFFF:F,F,F,:FFFF,FFFFFFFF,,F:FFF::FF,
FF:

@A00721:190:HGJW7DSXY:4:1562:28664:36980_2:N:0:TCTGCAAG+GCTGCACT
ATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGG
AACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCT

+
FFFFFFFFF,FFFF:FFFFFFFF:FFFFFFFF,FFFF:FFFFFFFF,FFF:FFF:FFFFFFFF:F
F:FF,:F,FFFF:FFFFFFFF::FFF,FFF:FFF:FFFFFFFF,F

@A00721:190:HGJW7DSXY:4:1620:22815:15170_1:N:0:TCTGCAAG+GCTGCACT
ATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCG

GAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAGTTTCGTTT
CGT

+

F: ,FFFFFFFFFFFFFFFF,FFFF:FF
FF,FFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2258:8133:8061_1:N:0:TCTGCAAG+GCTGCACT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGTTACGAGAAGAAGGTTGAAAGTTTG
AGAAGCTAGTTTACGAAGTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTT
GAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1147:21088:21856_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCCTTGATTTTAAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATC
GTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTAGAACTCGAAACTCTA
AGT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1336:30273:6762_2:N:0:TCTGCAAG+GCTGCACT
CCAAGCTTACCTGTATCTTCAATGAAATTGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCG
TAAAGGAAGATCTGTTATCGACGTTTATCGTTTACGAAGTATCACTC

+

FF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2254:20509:28119_1:N:0:TCTGCAAG+GCTGCACT
TGGTCTTTATTCTATTATTGATTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAAT
TCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCT
AGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2160:6677:3912_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACT
TACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTG

+

FF:FF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2159:9109:19085_2:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTAT

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF,F:F:FFFFFFFFFFFF,FFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF:FF

@A00721:190:HGJW7DSXY:4:2645:4300:1642_2:N:0:TCTGCAAG+GCTGCACT
GAACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATAATAT
TACTAATGGCAAATAGTGAAAGGCTCCAGTCAACACTAGTTCGAGTG

+

FFFFFFFFFFFF:FF:F
FFFF:FF:FFF:FFFFFFFFFFFFFFFFFFFF::FFFFFF, :F,FFFFFF

@A00721:190:HGJW7DSXY:4:1652:13015:27414_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG

+

:FFFFFF:FFFFFFFFFFFFFF:FF:FFF::FFFFFFFF:FFFFFFFFFFFFFF,FFFFFF
FFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFF:FFFFFF:FFFFFFFF:FFFFFFFFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:1361:3577:3928_2:N:0:TCTGCAAG+GCTGCACT
AGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCT
AGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1602:23647:27007_1:N:0:TCTGCAAG+GCTGCACT
CCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACA
AGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGG
GTG

+

FFFFFF:FFFFFFFFFFFFFF:FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2538:29143:22185_2:N:0:TCTGCAAG+GCTGCACT
GTATGTTAATAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTAC
TTTCCGTCTGAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGG

+

:FF:FF,.,FF:FF,FFFF,FF:F,FF,,FFFF:F:,FF,F,F:FF:FF:F:F:F,FFF:F,FFFF:
F,,:FF,F,,FFFF::FF:FF,.:F:FFFFFFFF,FF::F:FFF

@A00721:190:HGJW7DSXY:4:1629:4761:6511_2:N:0:TCTGCAAG+GCTGCACT
GATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACGTTGCAGATCGC
CACTCCAAACACTATATACATTATAAAAATATAAAAATAAGGGAGTCAT

+

FF:FFFFFFFF:FFFFFFFF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1225:29866:10723_1:N:0:TCTGCAAG+GCTGCACT
ACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCAT
TACTCTGTACTTGATCTACGTCGTTTAAATGTCGAACAACCTTACTTAGAATGACTCTATCTTT
CA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF,FFF:FFF:FFF::FFF,FFFFFFFF::F:FFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1428:10601:23703_2:N:0:TCTGCAAG+GCTGCACT
ACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCT
TCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFF

@A00721:190:HGJW7DSXY:4:1417:31937:9142_1:N:0:TCTGCAAG+GCTGCACT
AAAGCGTTTTTACCGTCCTGAACCTTAATACACGAAGATAACAACCGCAAACGACTCGAAACCGAGACG
CCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTT

+

F:,,,:.,FFF,F,,,,:.,F,,,,,:.,FFF:,F,,,,:F,::,FF,,F,FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1221:4246:19429_2:N:0:TCTGCAAG+GCTGCACT
TGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACT
CCGAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAAC

ATTGACGGCAGTCCCGTCATCTCTGTGGGAACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCAC
TCC

+

FFFFFF,FFFFFF::FFFF:FFF:F:FFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF
:FF

@A00721:190:HGJW7DSXY:4:1152:32570:29841_2:N:0:TCTGCAAG+GCTGCACT
GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGA

+

FF:F:FFFFFFFFFFFFFFFF
FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2443:22101:15405_1:N:0:TCTGCAAG+GCTGCACT
GGAGTTCAGACGTGTGCTCTTCCGATCTGGGAAATGTCCCCAAACTGATAAGAATAAAGGGAAAGGT
CCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGG
GAA

+

:FF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2547:19660:6292_1:N:0:TCTGCAAG+GCTGCACT
GCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAAGGGTAGCTGTAA
AGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCA
AAT

+

FF,FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2263:32732:2973_1:N:0:TCTGCAAG+GCTGCACT
GGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTG
CGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTT
TGG

+

FFFFFFFFFFFFFF,F::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
FF:FFFFFFFFFFFFFF,F
FFF

@A00721:190:HGJW7DSXY:4:1535:29550:32346_2:N:0:TCTGCAAG+GCTGCACT
CTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGA
TAATAAGCATGTACCCCTAAGCACCGAGGTAAGCTCGGGACTTACAA

+

FFFFFFFFFFFFFFFFFFFFFFFF:F:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2124:32506:25661_1:N:0:TCTGCAAG+GCTGCACT
GATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTAAACTCTTGCTCCTTCTGT
GGGTGAGGGTTTTTGTATATTCACTGGTCTGGGAGGCTGCTTCTCCATAATTACAACCTCTCTT
TAG

+

FF:FFFFFFFFFFFF
FFFFFFFF:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1626:31394:6136_2:N:0:TCTGCAAG+GCTGCACT
AGTTGGGCAAATTCACATATGGTAGACGTTGTACACTTTTCTTGAAAATTTTCTTTCTCCGT
CATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTT

+

@A00721:190:HGJW7DSXY:4:2306:5267:19006_2:N:0:TCTGCAAG+GCTGCACT
TCACATCATGATTGATAGTTACGGCTCGTATCGAGGTGGAGGGAGGAAGTTCTCCGAAATTAAGACG
GGGGGATTAAGAGTCCAGCTGTACCTGTCATTTAGAGAGGGGAGCTC

@A00721:190:HGJW7DSXY:4:2122:11225:7341_1:N:0:TCTGCAAG+GCTGCACT
CGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCCCCACCTGG
AGAAGGCAAGTGAGAGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTA
AGG

@A00721:190:HGJW7DSXY:4:1160:14778:14998_1:N:0:TCTGCAAG+GCTGCACT
TTTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATCG
ACAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACTTACCATATTGTTCT
TC

@A00721:190:HGJW7DSXY:4:2621:5448:28714_1:N:0:TCTGCAAG+GCTGCACT
TTTAACTTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTG
ATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCT
GTA

@A00721:190:HGJW7DSXY:4:2102:13331:24361_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTCTACAGCGG
CTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC

@A00721:190:HGJW7DSXY:4:1329:18448:18223_1:N:0:TCTGCAAG+GCTGCACT
GAGGCGATATTCGTTTTCATATCCAAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGAT
GTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT
GAA

@A00721:190:HGJW7DSXY:4:2403:32316:19257_1:N:0:TCTGCAAG+GCTGCACT
TTCGTTCTGTTACAAGACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTAT
ACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTGCTC
TTA

```
FF,FFF:F::FF,,FFFFFF,FF,FFFFFFFFFFFF:,FFF:F,FFF:FFFFFF,FFF:FFFFFF:FFFFFF
```

F:FFFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFF:FFFF:FFF:F:FFFFFFFFFFFFFFFF:FF, F
FFF

@A00721:190:HGJW7DSXY:4:2377:30156:2456_2:N:0:TCTGCAAG+GCTGCACT
GACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGC
ATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAA

+

FF:FFF
FFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1641:5267:26240_1:N:0:TCTGCAAG+GCTGCACT
AATGAGTTCCGAATAACTCGTAATAAATCTTCTCTAGTGACAATTGAGAATACCTATTTCCGTACC
AAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTTCGTTCTCAATA
AAA

+

F:FF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2223:25201:33332_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCATAAGGGCTATTCAGTACGTATGGGGATCACTTCTCGGTCAATGACAAAACCTTCGAAT
ATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGG

+

FF:FFF
FF

@A00721:190:HGJW7DSXY:4:2377:30535:11350_2:N:0:TCTGCAAG+GCTGCACT
TTCATATAGATACGAGATACCTAGAGAAGGTGCGAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAG
ACTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAGTACCGGAGGT

+

FFF:FF, FF:FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1470:25301:1501_1:N:0:TCTGCAAG+GCTGCACT
GAGAAAAGATTGAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTT
CCCTTTTATAGTTTAGTAGGTGATCTTGACGTGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAA
TC

+

F::,F,F:,FF,F:FF:F:FFFF,FFF::FFFFFFFFFFFF,FFF:, ,F:FF:FF,FFFFFFFFFFFF:F
,:FFFF:F:FFFFFFFFFFFF:FF:FF,,,:F:FFFFFFFFFFFF:F::FFF,FFF:FFF,:F,FF:,
FF

@A00721:190:HGJW7DSXY:4:2320:12066:35289_1:N:0:TCTGCAAG+GCTGCACT
ATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAG
TTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGT
GAT

+

FFFF:FF
FFFFFFFF:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1272:4544:4476_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAA

+

FF, FFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2222:30996:33912_2:N:0:TCTGCAAG+GCTGCACT
CATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTGTAAAC
ACTTATCACCCTTTTTGAAAGGAAAATAATTGGTGATGTAAATACGTA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2633:25373:24111_1:N:0:TCTGCAAG+GCTGCACT
TTCTCGCTCGCATTTTACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGC
GAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGAACTTCTAATAGAGGATCCTGA
TGA

+

:FFFFFFFF:FFFFFF:FFFFFFFF:FFFFFFFFFFFF,FFFF:FFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2417:4327:12148_2:N:0:TCTGCAAG+GCTGCACT
ACGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGA
GAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTG

+

FF:FFFF:FFFFFFFFFFFF:FF,FFFFFFFF:FFF
FFFF:FFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1549:25771:1846_2:N:0:TCTGCAAG+GCTGCACT
GGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGATAAAG
GTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGAGAAAACCTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2170:9191:30749_2:N:0:TCTGCAAG+GCTGCACT
GCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCAGAGTTACG
TAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAG

+

FF
FFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2326:3251:18145_2:N:0:TCTGCAAG+GCTGCACT
AAAAGCTATTAATAGCAGTTGCGGGGCTATAATACCGCCTCCAGATTACTCTAAACTGAATCCACTCT
CTTGGGATATAAATGAGTACATCTATAATAGAGTTTTGGAAGTGTGTA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1433:27498:22842_2:N:0:TCTGCAAG+GCTGCACT
TTGTTGACTACGATCTCTCTTGTAAATAAGAAAGTTCTTCGAGTTGAATCTCCACCAGGTGGAGGGAAG
ACCACTGAAGTTATAGCGACTTTTGTGCAATTTTTCGCAAAAGGTCTT

+

FF
F:FF:FFFF,FFFF:FFFFFFFF:F:FFFF:FFFFFFFF:F,FFFF

@A00721:190:HGJW7DSXY:4:1357:3341:20713_2:N:0:TCTGCAAG+GCTGCACT
CTGCTAATCGTAATTCGCGAGAAGAGATAGTACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTATT
TGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1544:24008:35399_1:N:0:TCTGCAAG+GCTGCACT
CGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTTATA
CCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTAC
TTC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:F
FF:FFFFFFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:1601:6406:2221_2:N:0:TCTGCAAG+GCTGCACT
TGAGTGTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGCAACTCTCAGAGG

TTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTA
+
FFF:,FF:FFFFFFFFFFFF:,F,,:F:FFFF:FF,:FF,FFF:F:FF,,,FFFF:FFF,F,,FFFF:
,:FF:FFFFFFFFFFFF:FF,,,F,F,:FFFF:FFFF:F::FFFF,:
@A00721:190:HGJW7DSXY:4:2455:13449:31735_1:N:0:TCTGCAAG+GCTGCACT
TAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAGTAATACTTACCAGCAGC
TTCGGCTGGTTAGAATTAAACCTCAAGATGACCCTGTTTTTGCATCACAACACATATTACCGTTGCT
CTA
+
FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF
FFF
@A00721:190:HGJW7DSXY:4:1367:11360:23516_2:N:0:TCTGCAAG+GCTGCACT
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACAGTCACGTTTAGCA
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGAG
+
:FF:FF,F,FFFFFFFF,:FFFFFFF:, :FFFFFFFFFFFF,FFFF:FFF:FFFF,FFFFFFFF:,F:,F
FFF:F,FFFFFF:FFFFFF:FF,:FFFF: :FFFF:FFFF:,FFF,
@A00721:190:HGJW7DSXY:4:1623:1145:9017_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACCTCGGTAATCTTTC
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFF
:FFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:1508:15474:3928_1:N:0:TCTGCAAG+GCTGCACT
GATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATC
ATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAA
CTT
+
:FFFF:::FFFFFFFFF::FFF:F:FFFFFFFF:FFFFFFFFF,FFFFFFFFF,FFFFFFFFFFFFF,
FF::FFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFF:FFFFFFFFFFFF
:FF
@A00721:190:HGJW7DSXY:4:2270:13322:29857_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTGTTTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCT
CAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAA
TAT
+
FF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1567:5647:4570_1:N:0:TCTGCAAG+GCTGCACT
GGTTCTTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCAGTG
ACGATTTCTCCCGGAAGCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGAT
TTT
+
FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2220:29948:16783_1:N:0:TCTGCAAG+GCTGCACT
ACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAAC
ACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTC
GGC
+
FFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,F:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2461:4444:11287_2:N:0:TCTGCAAG+GCTGCACT
CTGTTTTCAAAGACTCCAATACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAAGCGAA
ATTTTTGAGGGATAAACCGCGTACTTCTGCTCGCGATTTATTCTTTT

@A00721:190:HGJW7DSXY:4:1107:24985:1830_1:N:0:TCTGCAAG+GCTGCACT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTT
TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGA
AAA

@A00721:190:HGJW7DSXY:4:2140:11975:11835_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCTCAGTAATCCTGATTCTACTACGGATTCATGGA^CCTTCCATCCTGTACCTCTTCTGGAGAG
ACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCTG
GTA

@A00721:190:HGJW7DSXY:4:2665:27046:21872_2:N:0:TCTGCAAG+GCTGCACT
AGTCTCTGACTTGACCATCTTTCATTTTAAATGACGATCATTAAGACTCTCTTCTCTTGTTCCT
TCTTTCGCACTGATTTTTCCTCATCAGCTTGTGTTTTACCTAATCTGTG

@A00721:190:HGJW7DSXY:4:2442:1479:8970_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGTGAAGCACAACTT
TGACCGTGACGAACTGTGGTGTCTTGTATCTACGTTACGGATATACTC

@A00721:190:HGJW7DSXY:4:1203:16794:18490_2:N:0:TCTGCAAG+GCTGCACT
AATCACTCATTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGA
ATAGTGATAGCCACCCGCCTTACAGAGGGGAGCAGCATGACCATAAT

@A00721:190:HGJW7DSXY:4:1674:26964:13557_1:N:0:TCTGCAAG+GCTGCACT
CACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATGATAGTGAAT
TTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACT
CAT

@A00721:190:HGJW7DSXY:4:2205:10185:15280_2:N:0:TCTGCAAG+GCTGCACT
GTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATT
AAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACAGAT

+

```

FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF
FFFFF:FFFFF:FF,:FFFFF:FFFFF:FF:F,FFFF::,F,FF
@A00721:190:HGJW7DSXY:4:2606:1425:14888_2:N:0:TCTGCAAG+GCTGCACT
TTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGTTCGTTTC
AGTACCCAGTCAGTATACCTCTACGCAAAGATAATTATGAAAACCTAC
+
FFFF::FFFF,:FFF:::FFFFF:FFFFFFFFFFF:FF:FFFFFFFFFF,:FFF,,F:FF:FF
F,FF,FFFF,FFFFFFFFFF:F,,FFFFF:,FFFF:FFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1515:27145:2785_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTTCATATTATGAATGAACCTTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTT
CAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTACGT
TAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2460:12762:15139_2:N:0:TCTGCAAG+GCTGCACT
AGTGTTATTTATTCTGGTGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC
+
FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2609:3287:11757_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAACCCCTCGTCAATACTTTTCAATAATATACGCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAG
AAG
+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2652:23836:13056_1:N:0:TCTGCAAG+GCTGCACT
TGATTCCGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCT
GTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGC
TAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2649:9769:7326_2:N:0:TCTGCAAG+GCTGCACT
GCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAAGGCTAAAGCTCAAGGTAATTATGAAGA
CTGTGATTTATCTTTCACTCTGGCCTTGTATGAGGGTGTTCCTAATCG
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1252:30689:37012_2:N:0:TCTGCAAG+GCTGCACT
TTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAAT
ATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAG
+
FFFFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFF,FF:F:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2177:5032:4758_2:N:0:TCTGCAAG+GCTGCACT
ATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGG
AACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCT
+

```

FFFFFFFF:FFFF:FFFF:FF:F:FFFFFFFF:FFFFFFFFFFFF::FFFF:FFF,FF,FFFF:F
FF,FFFF:FF,FFF,FFFF,F:FFFF:FFFFFFFFFFFF:FFFF,,
@A00721:190:HGJW7DSXY:4:1620:23185:16031_1:N:0:TCTGCAAG+GCTGCACT
ATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCG
GAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAGTTTCGTTT
CGT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2378:31150:36307_1:N:0:TCTGCAAG+GCTGCACT
TAGTGCGAGGCCTCTATTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTTCAAAGTTTG
AGAACTTAGTTTACGAACCTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTT
GAT

+

FFFFFFFFFFFF,F,F,FF,FF,:F:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
:FFFFFF,FFFF,,FFFFFFFFFFFF:FFFFFFFF:F:FFFF:FFFF:FFFFFF:FFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1148:15953:36636_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCCTTGATTTTAAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATC
GTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCTA
AGT

+

FF:FF
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1470:23393:24032_2:N:0:TCTGCAAG+GCTGCACT
CCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCG
TAAAGGAAGATCTGTTATCGACGTTTATCGTTTACGAAGTATCACTC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF,FFFFFFFF:F:FFFFFFFFFFFFFFFF
:FF,FFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2319:11550:33426_1:N:0:TCTGCAAG+GCTGCACT
TGGTCTTTATTCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAAT
TCCTGAAGAGTCCTTCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCT
AGG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2333:20148:31469_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACT
TACTTAGACTTTCTACGATACAAATGATAACTTCTAATTTACGTTTG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2354:26196:17018_2:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1269:29478:31814_2:N:0:TCTGCAAG+GCTGCACT
AACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATT

ACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGC
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
FFFF:,FF:FFFFFFFF,FFFFFFFFFFFFFFFF:,,F
@A00721:190:HGJW7DSXY:4:1665:27145:20415_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG
+
FFFFFFFFFFFFFF,FFFFFF,FF
FF
F:F
@A00721:190:HGJW7DSXY:4:1625:3152:9612_2:N:0:TCTGCAAG+GCTGCACT
AGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTTCTTTGATACAACTCT
AGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGA
+
FF
FFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1639:16288:18396_1:N:0:TCTGCAAG+GCTGCACT
CCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCTTTAAAGACTGCAGAGGCTGTCAAACA
AGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGG
GTG
+
FFFFF:F:FFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFF:F:FF:FFFFFFFFFFFFFFFF
:FF
FFF
@A00721:190:HGJW7DSXY:4:1145:10203:5071_2:N:0:TCTGCAAG+GCTGCACT
TAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTTCGTAGAACCAAGTACTTTCCGTCT
GAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATA
+
FF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
FF:FFFF:FFFF:FF
@A00721:190:HGJW7DSXY:4:2109:3992:3333_2:N:0:TCTGCAAG+GCTGCACT
GATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGC
CACTCCAAACACTATATACATTATAAAAATATAAAAATAAGGGAGTCAT
+
:FFFFFFFF:FFFFFFFFFFFFFFFF:F:FFFFFFFF:FFFF:FFFFFFFF:FFFF,FFFF
FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFF:::FFFFF
@A00721:190:HGJW7DSXY:4:1507:19533:24079_1:N:0:TCTGCAAG+GCTGCACT
ACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCAT
TACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTACTTAGAATGAATCTATCTTTT
AA
+
FFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFF::FF::FFF,FFFF,FFFFFFFF,FF::F,:FFF:, ,FFF
,F
@A00721:190:HGJW7DSXY:4:1678:15989:15718_2:N:0:TCTGCAAG+GCTGCACT
ACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCT
TCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCT
+
FF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1221:1443:20901_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCTATCTCCTTAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACG

CCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTCATAGCAGTTA
+
:F:F:,,, :F:,FF,,F::,F,,,FF:,F::,,,,,F,F,:F,FF,,, :FFFFFFFFFFFFFFFF:F
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1269:25247:31469_2:N:0:TCTGCAAG+GCTGCACT
TGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACT
CCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC
+
F,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF, :FFFFFFFF, FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1602:1090:4131_1:N:0:TCTGCAAG+GCTGCACT
GGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGAAAATAGCAATAATCAAATTCGACAA
ATTTTAGAACTTTATTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAAT
AAG
+
F:FF,FFFFFFFF,FFFFFFFF, :FFFFFF:FFFFFFFF: ,FFFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF: :FFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2572:17300:19210_2:N:0:TCTGCAAG+GCTGCACT
ATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACC
GCAAAAAGTTGAAGAGGTCTATGATATTTATTTACTTATACTTTAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2636:19208:3912_1:N:0:TCTGCAAG+GCTGCACT
CTCTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGT
CGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTT
ACA
+
:FFF:FF:F:FF:FF:FFFFFF, :FF,F,::FFF,FF:,FFFFFF, ,FFFFFF:F:FFFFFFFF:FF
::FFFF:FFFFFFFF,FFFFFFFF:FFFFFFFF, : :FFFFFFFFFFF,FFFF:FFFF::FF
FFF
@A00721:190:HGJW7DSXY:4:2603:3314:12430_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGTATGGTATAATGTGTCTTAC
AAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCT
+
F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1113:27805:23531_1:N:0:TCTGCAAG+GCTGCACT
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGA
AAAACCTCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTA
TTG
+
FFFF, :FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFF, FFFFFFF:FFFFFFFFFFFF
FF, FFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1402:22019:3239_1:N:0:TCTGCAAG+GCTGCACT
TTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGCGGTTGGGGAGAAT
GAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTGTATAAA
TTT
+
FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF: :FFFFFFFF:F:FFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1273:1416:36323_1:N:0:TCTGCAAG+GCTGCACT
GAGAGCATTAGAAGGAAGTTGGGCAAATTCACATATGGTAGACGTTGCACACTTTTCTTGAAAT
TTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATG
CTG

[illegible]

@A00721:190:HGJW7DSXY:4:2422:14045:36495_2:N:0:TCTGCAAG+GCTGCACT
TCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACG
GGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTC

[illegible]

@A00721:190:HGJW7DSXY:4:2306:4309:8359_1:N:0:TCTGCAAG+GCTGCACT
CGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGG
AGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTA
AGG

[illegible]

@A00721:190:HGJW7DSXY:4:1361:27208:7905_1:N:0:TCTGCAAG+GCTGCACT
TTAGGTCAACTTGGGGTTTCGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATCGA
CAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTTCGGTAACTTACCATATTGTTTCCTT
CCG

[illegible]

@A00721:190:HGJW7DSXY:4:1241:32099:31876_1:N:0:TCTGCAAG+GCTGCACT
TTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGA
TCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTG
TA

```
FFFF:,FFFF:FFFFFF::FFFFFF:FF:FFF:FFFFFFFFFFFFFFF,FFFF:FFFF,F::FFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FFFFFF:FFFFFFFFFFFFFFFFFFFFF:,FFFF,:FFFFFF
FF
```

@A00721:190:HGJW7DSXY:4:2161:4752:4648_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAAACCTATCGTTGTGCTACCTTACAAGTTGAGGAGACTTTACAGCGG
CTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC

[illegible]

@A00721:190:HGJW7DSXY:4:1366:14190:20306_1:N:0:TCTGCAAG+GCTGCACT
GAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGAT
GTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT
GAA

[illegible]

@A00721:190:HGJW7DSXY:4:2514:14208:20494_1:N:0:TCTGCAAG+GCTGCACT
TTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTAT
ACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGTC
TTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2434:21341:29872_2:N:0:TCTGCAAG+GCTGCACT
GACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGC
ATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAAACA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1676:26937:34616_1:N:0:TCTGCAAG+GCTGCACT
AATGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTGAGAATACCTATTTCCGTACC
AAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATA
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2255:29306:28228_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAAT
ATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2377:31448:11741_2:N:0:TCTGCAAG+GCTGCACT
TTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAG
ACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGGAGGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1458:14733:12414_1:N:0:TCTGCAAG+GCTGCACT
AAAAGATTGAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCTCC
TTTTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCT
TGA

+

F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2352:10303:4429_1:N:0:TCTGCAAG+GCTGCACT
ATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAG
TTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGT
GAT

+

FF:FF
FF:FFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:1273:19180:10097_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAA

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFF:
@A00721:190:HGJW7DSXY:4:2373:28700:22482_2:N:0:TCTGCAAG+GCTGCACT
CATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAAC
ACTTATCACCCTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTA
+
FF, F:FFF
FFFFFFFFFFFFFFFF:FF:::FF, FFFFFFFF::FF:F, FF, F, FFFFF, F
@A00721:190:HGJW7DSXY:4:1468:29306:31391_2:N:0:TCTGCAAG+GCTGCACT
TTGGATGTTGTGCAAACTATCAGGTTCTTGTCACGATTCTTAAAAGAAGTTTATTAACACTTCAGAG
TCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTT
+
FF:FFFFFF:F
FFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFF:FFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:2513:6126:32142_1:N:0:TCTGCAAG+GCTGCACT
CTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAG
TTAGGGAGTGGCTAGGTTTTAAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAG
AGT
+
FF
FFFFFFFFFFFFFFFF, FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1304:13774:20337_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAACCTTCTTTTATCA
TTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTA
CAC
+
FF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1372:5837:7874_2:N:0:TCTGCAAG+GCTGCACT
TCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTT
ACCTTTTGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGT
+
FFFFFFFFF:FFFF:FFFF::FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F::FF
FFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2337:14036:13025_1:N:0:TCTGCAAG+GCTGCACT
TCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTA
CAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTAATCGTGAGGTACGAGAGTTTCGTAC
TTG
+
:FF
FFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1235:10013:3364_1:N:0:TCTGCAAG+GCTGCACT
AGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTA
CTACTTTTCTTCCCTCCCCTTTTTCGATTGGATTGACGGGTCTTCGTCTCACGACTAATTTGATA
AGG
+
FFFFFFFFFFF:FFF:FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFF:FFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2666:22453:6308_1:N:0:TCTGCAAG+GCTGCACT
TTTATGTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGT

GGACTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTC
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2675:29541:3928_1:N:0:TCTGCAAG+GCTGCACT
TCTCGCTCGCATTTTACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCG
AAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGAACCTCTAATAGAGGATCCTGAT
GA

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:2447:32542:17018_2:N:0:TCTGCAAG+GCTGCACT
ACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGA
GAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2104:8576:25958_2:N:0:TCTGCAAG+GCTGCACT
GGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAG
GTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGAGAAAAC TG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2446:21178:5509_2:N:0:TCTGCAAG+GCTGCACT
GCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCAGAGTTACG
TAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2257:2980:5306_2:N:0:TCTGCAAG+GCTGCACT
TTGTTGACTACGATCTCTCTTGTAAATAAGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAG
ACCACTGAACCTTATAGCGACCTTTGTGCAATTTTTCGCAAAAGGTCTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1417:17806:33927_2:N:0:TCTGCAAG+GCTGCACT
CTGCTAATCGTAATTCGCGAGAAGAGATAGTACTAAAGTTTGGCACTTCTAGTTCATCGCGGTATT
TGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1666:10122:2300_1:N:0:TCTGCAAG+GCTGCACT
CGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTTATA
CCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGCAAACTAC
TTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2468:32624:28119_2:N:0:TCTGCAAG+GCTGCACT
TGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGG

TTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2515:4833:17409_1:N:0:TCTGCAAG+GCTGCACT
TAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAGTAATACTTACCAGCACG
TTCGGCTGGTTAGAATTAACCTCAAGATGACCCTGTTTTTGCATCACAACACATATTACCGTTGCT
CTA
+
FFFFFFF:F:FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1454:31729:19993_2:N:0:TCTGCAAG+GCTGCACT
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCACGTTTAGCA
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1663:22571:12085_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTCTT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACCTCGGTAATCTTTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1675:26720:22216_1:N:0:TCTGCAAG+GCTGCACT
GATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATC
ATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAA
CTT
+
:FFFFF:F,FFF:F,FFFFFF::FF:FFFFFF:FFFFFFF,FFFFFF:FFFFFFFFFFFFFF:FFF,
FFFFF:FFFFFFFF::FF:FFF:F:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:2603:28230:18380_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTGTTTTGATAAGTCTAAGTTGGATAAATTTATAGGAGACTCAGTTAACCTGAGAGCTCCT
CAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAA
TAT
+
FF,F,FF,FF:FFF:,F,FFF:F,F:FFF:FF,,F,FFFF,FF:F:FFFF:F:,F:FFFF:FFF,:F
FFFFF,:F,:,:FFF:FFF::,FFFFFF,FFFFFFF,:F,FFF,FF,FFFFF,F,FFF:F,FFFF,,
F:F
@A00721:190:HGJW7DSXY:4:1567:6298:4633_1:N:0:TCTGCAAG+GCTGCACT
GGTTCTTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTG
ACGATTTCTCCCGGAAGCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGAT
TTT
+
:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2228:28601:21559_1:N:0:TCTGCAAG+GCTGCACT
ACGCCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAAC
ACTTTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTC
GGC
+
FFFFFFFFFFFFFFFFFFFF::FFFF:FFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFF

FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2517:32108:33176_2:N:0:TCTGCAAG+GCTGCACT
CTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAAGCGAA
ATTTTGTAGGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCTTTT

+
FF:FFFFFFFFFFFFFFFF: :FFFFFFF
FF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1118:18611:21637_1:N:0:TCTGCAAG+GCTGCACT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTT
TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCTTGTGA
AAA

+
FFF,:FFFF:FFFF:,::FFFFFFFF: :FFFFFFFF:FFFFFFFFFFFF:FF:FFFF: :F:FFFFFF
FF,FFFF:FF,FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2474:30382:14591_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCTCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAG
ACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCG
GTA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2349:20112:9768_2:N:0:TCTGCAAG+GCTGCACT
TCTTTCATTTTAAATGACGATCATTAAAGACTCTCTTCTTCTTGTTCCTTCTTGCATGATTTTT
TCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAAC

+
FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1275:28935:34131_2:N:0:TCTGCAAG+GCTGCACT
TCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAAACGTTTGACCGTGACGAAC
GTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCATC

+
FFFFFFFFFFFF:FF:FFFFFFFFFFFF:F
FFFF:FF

@A00721:190:HGJW7DSXY:4:1478:8531:13166_2:N:0:TCTGCAAG+GCTGCACT
AATCACTCATTTTAGTGAGATTATTAACAAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGA
ATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAAT

+
:FFF
FFFFFFF:FF: :

@A00721:190:HGJW7DSXY:4:2138:27362:5008_1:N:0:TCTGCAAG+GCTGCACT
CACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATGATAGTGAAT
TTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACT
CAT

+
FF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2214:16812:31360_2:N:0:TCTGCAAG+GCTGCACT
GTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATT
AAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACAGAT

+

FF
FF
@A00721:190:HGJW7DSXY:4:2606:1642:15201_2:N:0:TCTGCAAG+GCTGCACT
TTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTC
AGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAACTAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1569:3558:3803_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTT
CAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGT
TAC
+
FFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2526:3857:30154_2:N:0:TCTGCAAG+GCTGCACT
AGTGTTATTTATTCTGGTGGTGTATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC
+
FF
FFFFFFFFF:FFF:FFFF:FFFF:FFFFFFFFF:FFFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:2648:1787:4085_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTCCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATT
AAG
+
FF
FFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1252:16776:12258_2:N:0:TCTGCAAG+GCTGCACT
TTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT
GAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGA
+
FFFFFFFFFFFFFFFFFFFFFFFFF,FFF:FF:FF:
FF
@A00721:190:HGJW7DSXY:4:2241:1759:14904_2:N:0:TCTGCAAG+GCTGCACT
ACTTTATCTGAGAGTAGCGTTCTTTTGTGCGATTGTATCAATAGTAACATAACGACAAATAAAGGTCT
CTATCAGGTGGGTATAATAGTTGCCGCCGGATCCGCCTTACCATTGAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1270:3676:3443_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGATGAGGGTGTTTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC
+
F:F,FFF:FFFF:FFF:F
FF,FFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2264:8829:16814_2:N:0:TCTGCAAG+GCTGCACT
ATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGGTGTTATCTCGAAAAGTCTCTTCTAAAAGG
AACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCT
+
F:FFFFFF:FFFFF,FFFF:,FF,FFFFFFFF:FFFFF,FFFFFF,FFF,FF:,FFFFFF,FFFFF,F
:FF:FFFF,FFFFFF:FFFF:FFFFFFFF:FFFFFFFFFFFF,F,FF,:F

@A00721:190:HGJW7DSXY:4:2204:29378:9815_1:N:0:TCTGCAAG+GCTGCACT
ATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCG
GAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAGTTTCGTTT
CGT

+

FFF:FFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2422:7365:6699_1:N:0:TCTGCAAG+GCTGCACT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTTCAAAGTTTG
AGAAGTTAGTTTACGAAGTTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTT
GAT

+

FFFFFFFFFFFFFFFFF:FFF
FFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1419:24605:28009_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCCTTGGAATTTTAAATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATC
GTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCTA
AGT

+

F:,,FFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFFF:FF:,FFFFFFFFF::FFFFFFFFFFFFFFFFFFFFF:
FFFF,,:FF:FFF,,F,FFFFFFFFF,F,FFFFFFFFFFFFFFFFFFFFF::FFFFFFFFF::F:FF,FFF:F,
FF:

@A00721:190:HGJW7DSXY:4:1663:2157:34851_2:N:0:TCTGCAAG+GCTGCACT
CCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCG
TAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCACTC

+

FFFFFFFFFFFFFFFFF:FFFF:F:FFF,FFFFFFFFF
F,,FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2319:12301:33849_1:N:0:TCTGCAAG+GCTGCACT
TGGTCTTTATTCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAAT
TCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCT
AGG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2343:10086:11569_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACT
TACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTG

+

FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFF,

@A00721:190:HGJW7DSXY:4:2406:3070:29011_2:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTAT

+

FFF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1542:12210:15217_2:N:0:TCTGCAAG+GCTGCACT
AACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATT
ACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGC

+

@A00721:190:HGJW7DSXY:4:2149:18521:14497_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG

+

[illegible]

@A00721:190:HGJW7DSXY:4:2105:31467:19758_2:N:0:TCTGCAAG+GCTGCACT
AGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCCTTTGATACAACTCT
AGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2467:27308:2534_1:N:0:TCTGCAAG+GCTGCACT
CCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCTTTAAAGACTGCAGAGGCTGTCAAACA
AGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGG
GTG

+

```

FFFFF,F:,FFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFF::F:FFFF:FFFFFFFF:FF
FFFF::FFFFFF:FFFFF,F:FFFFF,FFFFFFFFFFFFFFFFFFFF:F:FFFFF:FFFFF::FFFFF:,FFF
FFF

```

@A00721:190:HGJW7DSXY:4:1232:16432:30921_2:N:0:TCTGCAAG+GCTGCACT
TAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTTCGTAGAACCAAGTACTTTCCGTCT
GAAGAGTTTtagagctgctattgattatgtaaccgataggagttgtata

+

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1255:28103:13275_1:N:0:TCTGCAAG+GCTGCACT
GATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGC
CACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCT
TGG

+

[illegible]

@A00721:190:HGJW7DSXY:4:1269:22480:2033_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTAACT
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF.FFF:FFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:2129:18096:1830_2:N:0:TCTGCAAG+GCTGCACT
ACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCT
TCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCT

+

```

FFFFFFFFFFFFFFFFFFFFFFFF,FF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF:FFFFF

```

@A00721:190:HGJW7DSXY:4:1517:28501:22952_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTCCTGAACCTTAATACACGAAGATAACATCCGCAAACGACTCGAAACCGAGACG
CCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTA

+

F:F,F,,F,F:,FFF,F::,F:,,,FF,FF,,,::,F,F,,F,FF,,F:FFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1639:7771:6965_2:N:0:TCTGCAAG+GCTGCACT
TGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACT
CCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC

+
FF
FF
@A00721:190:HGJW7DSXY:4:2251:18177:23234_1:N:0:TCTGCAAG+GCTGCACT
GGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAA
ATTTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAAT
AAG

+
:FFFF:FFF,FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:F,FFFFFF
FFFFFFFFFFFF:FF:FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1360:5231:7012_2:N:0:TCTGCAAG+GCTGCACT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAGTTGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGC

+
FFFFFFFFFFFFFFFF:FFFF,FF:F
F:FF:FF:FF:FFFF
@A00721:190:HGJW7DSXY:4:1646:15899:10457_1:N:0:TCTGCAAG+GCTGCACT
ACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTTAACACGTC
GGTATCTTTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA
CA

+
FF:FFF,F:FF:FFFF,FFF:FFF:F,F,FF:F::F,FF,,FFF:F,F,FFF,: ,FFF,FF,FFFF
,FF,,F,FF,:FFFF,FFFFFF,F:FF,F,FF,FFFF,FFF,FFFF:FFFF,F,FF,FFF:F:FFF
FF
@A00721:190:HGJW7DSXY:4:2632:9109:5118_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAATAAAAATACTTCAAGTACCTGAACCTTTACATTTTAAATGGTATGGTATAATGTGTCTTAC
AAATAGAACCTTCACTCTCGGTAATGAGAGTGATTCTCTTAATATTCT

+
FF:FFFFFFFF:FFFFFFFFFFFFFFF
FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1160:21893:14982_1:N:0:TCTGCAAG+GCTGCACT
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGA
AAAACCTCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTA
TTG

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1552:1777:4069_1:N:0:TCTGCAAG+GCTGCACT
TTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAAT
GAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTGTATAAA
TTT

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1203:32253:25379_2:N:0:TCTGCAAG+GCTGCACT
TGACCAATCATCGCTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATC

$+$

@A00721:190:HGJW7DSXY:4:2545:1967:12696_1:N:0:TCTGCAAG+GCTGCACT
GGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAAC
ATTGACGGCAGTCCCGTCATCTCTGTGGGAAGTGAAGGAGTACCTCAGTCAAAGTCACATTACCAC
TCC

+

@A00721:190:HGJW7DSXY:4:1453:21838:8500_2:N:0:TCTGCAAG+GCTGCACT
GACTATACAGTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGA

+

@A00721:190:HGJW7DSXY:4:2574:13277:35916_1:N:0:TCTGCAAG+GCTGCACT
GGAGTTTCAGACGTGTGCTCTTCCGATCTGGGAAATGTCCCCAAACTGATAAGAATAAAGGGAAAGGT
CCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGG
GAA

+

@A00721:190:HGJW7DSXY:4:2148:16938:23657_2:N:0:TCTGCAAG+GCTGCACT
CACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAA
GTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGG

+

@A00721:190:HGJW7DSXY:4:1659:27073:5259_2:N:0:TCTGCAAG+GCTGCACT
CAAATCTGTTGAATTCTGCTACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGA
GCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCG

+

@A00721:190:HGJW7DSXY:4:1115:20925:36667_2:N:0:TCTGCAAG+GCTGCACT
TTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAACATGCGGGCGAAGATCCCTATGGAGTCT
TGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCA

+

@A00721:190:HGJW7DSXY:4:1165:3152:32784_1:N:0:TCTGCAAG+GCTGCAC
CAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGACTGATGAGG
TTAAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCAC TGTTCTGGGAGGCTGCTTTC
CTC

+

@A00721:190:HGJW7DSXY:4:1421:23312:6449_1:N:0:TCTGCAAG+GCTGCACT
GAGAGCATTAGAAGGAAGTTGGGCAAATTCACACATATGGTAGACGTTGTACACACTTTTCTTGAAAT

TTTTCTTTCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATG
CTG

+

FF
FFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2623:4191:1360_2:N:0:TCTGCAAG+GCTGCACT
TCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACG
GGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTC

+

FF
FFFFF:F:FF

@A00721:190:HGJW7DSXY:4:2341:6741:19899_1:N:0:TCTGCAAG+GCTGCACT
CGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGG
AGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTA
AGG

+

FF:FF
FFF:
FFF

@A00721:190:HGJW7DSXY:4:1376:25373:23265_1:N:0:TCTGCAAG+GCTGCACT
TTAGGTCAACTTGGGGTTTCAATGTCAATAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATCGA
CAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACTTACCATATTGTTCTT
CCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2142:28637:20243_1:N:0:TCTGCAAG+GCTGCACT
TTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGA
TCTGGAGTTGTATAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTG
TA

+

FFFF:F:FFFFF,FFFFFFFF:FFFFF::FF:FF:FFFFFFFFFFFFFFFFFFFFF,:FFFFF:,FFF:F
FFFFF:FF:FF,FFFFFFFFF,FFFFFFFFFFFFF,:F::FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
:F

@A00721:190:HGJW7DSXY:4:2211:8142:13714_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGTTGAGGAGACTTTACAGCGG
CTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1446:2401:26819_1:N:0:TCTGCAAG+GCTGCACT
GAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGAT
GTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1204:14859:25222_2:N:0:TCTGCAAG+GCTGCACT
TCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATA

CGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGAT
+
FFFF:FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF:FF:FFFF
:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1416:8558:13839_2:N:0:TCTGCAAG+GCTGCACT
CATTTTCGTCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCT
TGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTA
+
FFFFFFFFFFFFFFFFFFFF:FFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2516:8703:28087_1:N:0:TCTGCAAG+GCTGCACT
AATGAGTTCCGAATAACTCGTAATAAATCTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACC
AAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATA
AAA
+
FFFFFFFFFFFFFFFFFFFF:FFF
FF:FFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2519:10574:36025_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTCATAAGGGCTATTAGTACGTCATGGGGATCACTTCTCGGTCAATGACAAAACCTTCGAAT
ATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGG
+
FF
FF:FFFFFFFFFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:1206:6723:22435_2:N:0:TCTGCAAG+GCTGCACT
ATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTT
GGGTACACGTTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCT
+
FF
FFFF,FFFFFFFFFFFFFFFF:FFFFFFFF:FFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1459:8992:30843_1:N:0:TCTGCAAG+GCTGCACT
AAAAGATTACAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCC
TTTTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGAGAGAAGACAACGAATCT
TGA
+
FFFFFFFFFFFFFFFF,FFFFFFFF,F:FFFFFFFFFFFFFFFF:F:,FFFFFF:FFFFFFFFFFFFFF:,F
F:FFFF:FFFFFFFFFFFFFFFF:FFFF:FFFF:FFFFFFFFFFFF:FFFF:F:F:FF:FFFFFFFF:
F:F
@A00721:190:HGJW7DSXY:4:2410:28772:30185_1:N:0:TCTGCAAG+GCTGCACT
ATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAG
TTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGT
GAT
+
FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1273:21224:9345_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTCAAGTTTTTAGATCTTCTTGATAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2440:7003:8171_2:N:0:TCTGCAAG+GCTGCACT
CATAACTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAAC

ACTTATCACCACCTTTTGAAGGAAAATAATTGGTGATGAAAATACGTA
+
FF:FF:
FF,:FF:FFF,,FFF,FFF:FFFFFFFFFFFF:FFFF:FFFFFF,,FF
@A00721:190:HGJW7DSXY:4:1505:19804:27931_2:N:0:TCTGCAAG+GCTGCACT
TTGGATGTTGTGCAAACTATCAGGTTCTTGTCACGATTCTTAAAAGAAGTTTATTAAACTTCAGAG
TCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTT
+
FF
FFFFFFFF:FFFF:FF:
@A00721:190:HGJW7DSXY:4:1118:24026:12915_1:N:0:TCTGCAAG+GCTGCACT
TCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGT
TAGGGAGTGGCTAGGTTTTAAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGA
GTT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1363:6668:25942_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAACCTTCTTTTATCA
TTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTA
CAC
+
FF
FFFFFFFFFFFF:FF
FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1421:1768:8281_2:N:0:TCTGCAAG+GCTGCACT
TCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTT
ACCTTTTGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGT
+
FFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2418:19352:34287_1:N:0:TCTGCAAG+GCTGCACT
TCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTGTATGAGGTGCTCCATGCAAATTTA
CAGTTCCTCTTTGGTGATATCGCCTCTGTCTTTCTCCTTTAATCGTGAGGTACGAGAGTTTCGTAC
TTG
+
FFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2130:15356:8954_1:N:0:TCTGCAAG+GCTGCACT
AGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTA
CTACTTTTCTTTCCCTCCCCTTTTTCGATTGGATTGACGGGTCTTCGTCTCACGACTAATTTGATA
AGG
+
FFFFFFFFFFFF,F,FFFFFFF:FFFFFFFFFFFF:::FFFF,:F:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:F:,FFFFFFFFF::FF
FFF
@A00721:190:HGJW7DSXY:4:1478:11930:28197_1:N:0:TCTGCAAG+GCTGCACT
ATGTTTTCGTTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGA
CTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTGAT
GAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2532:22299:8359_1:N:0:TCTGCAAG+GCTGCACT
TAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTTCATGAAGTTCAAGGTAATACTTACCAGCACG
TTCGGCTGGTTAGAATTAACCTCAAGATGACCCTGTTTTTGCATCACAAACACATATTACCGTTGCT
CTA

+

FFFFFFFF:F:FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1505:12500:14685_2:N:0:TCTGCAAG+GCTGCACT
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCACGTTTAGCA
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGAT

+

FF
FFFF:FFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1675:13729:27649_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACCTCGGTAATCTTTC

+

FFFFFFFFFFFFFFFF:FF
FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2219:9778:32737_1:N:0:TCTGCAAG+GCTGCACT
GATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATC
ATCAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAA
CTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2629:26377:26819_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTGTTTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCT
CAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAA
TAT

+

FFFFFFF:FFFFFFFFF:FF:F:F:FFFFFFFFFFFFFFFF:.:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2271:9055:33959_1:N:0:TCTGCAAG+GCTGCACT
GGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCAGTG
ACGATTTCTCCCGAAGCTCTTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGAT
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1139:11116:13228_2:N:0:TCTGCAAG+GCTGCACT
CCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACT
TTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTAT

+

FFF:FFFFFFFFFFFF
,FF

@A00721:190:HGJW7DSXY:4:2526:6587:30968_2:N:0:TCTGCAAG+GCTGCACT
CTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAAGCGAA
ATTTTTGAGGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCTTTT

+

FF
FF
@A00721:190:HGJW7DSXY:4:1177:28302:11898_1:N:0:TCTGCAAG+GCTGCACT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTT
TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGA
AAA
+
FF
FFF:FFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2564:17345:5572_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCTCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAG
ACGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCG
GTA
+
FFFFFFFFFF:FFF:FFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2447:16080:28056_2:N:0:TCTGCAAG+GCTGCACT
TCTTTCATTTTAAATGACGATCATTAAAGACTCTCTTCTTCTTTGTTTCCTTCTTGGCACTGATTTTT
TCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAAC
+
,FFFFFFFF,FFF:FFFFFF,FF,F,FFFFFFFF,FFFFFF:FFFFFFFFFFFF,,:FFF:FFF,FF
FFFFFFFF,FFFF:FFF,FFF:FFFF,FF,,FFFFFF,FFFF:FFF
@A00721:190:HGJW7DSXY:4:1315:1597:21104_2:N:0:TCTGCAAG+GCTGCACT
TCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAACT
GTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCT
+
FFFFFFFFFFFFFF:F,FFFF:F::FFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:F:F:FF:FFFFFFFFFFFFFFFF,F:FFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1518:32253:9220_2:N:0:TCTGCAAG+GCTGCACT
AATCACTCATTTTAGTGAGATTATTA AAAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGA
ATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAAT
+
FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:2147:4010:25441_1:N:0:TCTGCAAG+GCTGCACT
CACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATGATAGTGAAT
TTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACT
CAT
+
FFFFFFFFFFFF:FFFFFFFFFFFF:FF,FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
F:F
@A00721:190:HGJW7DSXY:4:1336:6894:19664_2:N:0:TCTGCAAG+GCTGCACT
TACAAGGACCTTAAGCGATGGATCGGGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTTAA
ACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2615:18349:29543_2:N:0:TCTGCAAG+GCTGCACT
TTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTC
AGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTAC
+

+

©

+

9

+

④

+

④

+

Q

+

①

+

④

+

[illegible]

@A00721:190:HGJW7DSXY:4:2646:12201:4053_2:N:0:TCTGCAAG+GCTGCACT
GCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCC
TCTCTTCTACGAGTATTGCTATTTATACGGTTACGAGAAGAAGGTTTCG

@A00721:190:HGJW7DSXY:4:2204:12463:27305_1:N:0:TCTGCAAG+GCTGCACT
CTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGGATTTTAATATAAAGAA
TCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCA
TTT

@A00721:190:HGJW7DSXY:4:2236:7491:30561_2:N:0:TCTGCAAG+GCTGCACT
AACTCTAAGTGGTAATACTGTCTCTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAG
GGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACG

@A00721:190:HGJW7DSXY:4:1653:24740:6042_1:N:0:TCTGCAAG+GCTGCACT
GTCTTTATTCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTC
CTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCTAG
G

@A00721:190:HGJW7DSXY:4:2528:1859:2644_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACT
TACTTAGACTTTTCCTACGATACAAATGATACCTGCTAATTTACGTTTG

@A00721:190:HGJW7DSXY:4:2549:25400:25191_2:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTAT

@A00721:190:HGJW7DSXY:4:2115:15763:28635_2:N:0:TCTGCAAG+GCTGCACT
AACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAAATAAATAAATATT
ACTAATTGCAAATAGTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGC

@A00721:190:HGJW7DSXY:4:2149:18539:14465_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG

@A00721:190:HGJW7DSXY:4:2158:20961:23985_2:N:0:TCTGCAAG+GCTGCACT
AGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCT
AGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2505:1145:30499_1:N:0:TCTGCAAG+GCTGCACT
CCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCTTTAAAGACTGCAGAGGCTGTCAAACA
AGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGG
GTG

+

FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1374:16884:8469_2:N:0:TCTGCAAG+GCTGCACT
TAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTTCGTAGAACCAAGTACTTTCCGTCT
GAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATA

+

FFFFF,FFFFFFFF:FFF
FFFFFFFFFFFF,FFFFFFFFFFFF:FF:FF,FFFFFF:FFFFFF:FF

@A00721:190:HGJW7DSXY:4:1401:19262:36198_1:N:0:TCTGCAAG+GCTGCACT
GATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACGTTGCAGATCGC
CACTCCAAACACTATATACATTATAAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCT
TGG

+

FF:FF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1453:15845:5259_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATTAATCATTACTTTAACGATCTCTCGTCAATTAAGTCTGTACTTGATCTACGTCGTTTAACT
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFF:FF,FFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFF:FFF

@A00721:190:HGJW7DSXY:4:2330:28185:36808_2:N:0:TCTGCAAG+GCTGCACT
ACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCT
TCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCT

+

FF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2569:30779:4570_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTATTCCGATCTCCTGAACCTTAATACACGAATAGATCATCCGAAAACGACTCGAAACCGAGACG
CCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTA

+

F:,::,F:F,::,F:,F,::F:,F:F:,F,::F:,F,F:F,F,FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2204:16034:31391_2:N:0:TCTGCAAG+GCTGCACT
TGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACT
CCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACT

+

FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFF
FFF:FFFFF

@A00721:190:HGJW7DSXY:4:2324:5674:34679_1:N:0:TCTGCAAG+GCTGCACT
GGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAA

ATTTTAGAACTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAAT
AAG

+

FFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2236:15691:34554_2:N:0:TCTGCAAG+GCTGCACT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACGCAAA
AAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGC

+

FF
FF
FFFF:FFFF:

@A00721:190:HGJW7DSXY:4:1241:12753:32534_1:N:0:TCTGCAAG+GCTGCACT
TCTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTC
GGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA
CA

+

F,FFFFFFFF:FF
F:FFFFF:F:FF
FF

@A00721:190:HGJW7DSXY:4:2666:22489:27665_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGTATGGTATAATGTGTCTTAC
AAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCT

+

FF
,FF
,FFFFFFFF,FFFFFFF

@A00721:190:HGJW7DSXY:4:1330:18530:10097_1:N:0:TCTGCAAG+GCTGCACT
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGA
AAAACCTCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTA
TTG

+

FFFFFFF:FFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2121:19036:19774_1:N:0:TCTGCAAG+GCTGCACT
TTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAAT
GAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTTGTATAAA
TTT

+

FF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1347:7093:23109_2:N:0:TCTGCAAG+GCTGCACT
TGACCAATCATCGCTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATC
GGCACCCTGGTCTCTACGTTCCAGGGACCCGCTGTGCAGAATAACCTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2545:2736:14967_1:N:0:TCTGCAAG+GCTGCACT
GGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTGCTCGTAAC
ATTGACGGCAGTCCCGTCATCTCTGTGGAACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCAC
TCC

+

FFFFFFFFFFFFFFFF:FFFFFFF:FF::F,:FFFFFFFF:F:FFFFF:FFFFFF:F:FFFFFF:FFFF

FFFFFFFFFFFF:FFFFFFFF:F:F:F:F:FFFF::FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:1541:28031:6417_2:N:0:TCTGCAAG+GCTGCACT
GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTGGCACGAAGAACAACCTCCCAAGCCAATCAATAGTTCTTCTGACCAGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F
FF

@A00721:190:HGJW7DSXY:4:2612:30581:25989_1:N:0:TCTGCAAG+GCTGCACT
GAGTTCAGACGTGTGCTCTTCCGATCTGGGAAATGTCCCCAAAAGTATAAGAATAAAGGGAAAGGTC
CATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGG
AA

+

FF,FF::F::FFF::F,FF,,FFFF:FFFFFFFF,F:FFFF,F:FFF,FFF:FFFFFFFF,
FFFFFFFFFFFFFFFF,FF,FF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2321:31015:7952_2:N:0:TCTGCAAG+GCTGCACT
CACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGCTTGGGTCTTAAGGGTAGCTGTAAA
GTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGG

+

FF:FFF:F:FFFF,FFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1659:28022:7185_2:N:0:TCTGCAAG+GCTGCACT
CAAATCTGTTGAATTCGTCAGTACGAGGAGGAGGAGGACTTTTGGCTACTGGCGACAAAGTGA
GCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCG

+

F,:F,F:FF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFF:F,FF:FFFFFF
FFFFFFFF:FFF:,FFFF,FFFF,FFF:F:FFFFFF:FFF:FF

@A00721:190:HGJW7DSXY:4:1206:18087:14121_2:N:0:TCTGCAAG+GCTGCACT
TTTTGTCAACGGCGTTTGGAGATTTTATCCGCGCTTAATATGGGGCGAAGATCCCCTATGGAGTCT
TGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCA

+

F:FFFFFFFF,FF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1227:8648:1814_1:N:0:TCTGCAAG+GCTGCACT
CAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTGGCCAGAATGCGGGCTTCTGACTGATGAGG
TTAAAGTCTTGCTCCTTCTGTGGGTGAGGGTTTTGTTATATTCACTGGTTCTGGGAGGCTGCTTC
CTC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1619:12735:17440_1:N:0:TCTGCAAG+GCTGCACT
GAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTAGACGTTGTCACACTTTTCTTGAAAAT
TTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATG
CTG

+

FFFFFFF,FF
:FFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2673:22860:3067_2:N:0:TCTGCAAG+GCTGCACT
TCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACG
GGGGGAGTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTC

+

@A00721:190:HGJW7DSXY:4:2647:6424:12148_1:N:0:TCTGCAAG+GCTGCACT
AATGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTGAGAATACCTATTTCCGTACC
AAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATA
AAA

+

FFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1438:5755:11459_1:N:0:TCTGCAAG+GCTGCACT
TCTTCATAAGGGCTATTGAGTACGTGATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATAT
GTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGT
TCA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1435:3531:12305_1:N:0:TCTGCAAG+GCTGCACT
CCTAGAGAAGGTCGAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATG
CTCGAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAG
GAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1519:23032:23343_1:N:0:TCTGCAAG+GCTGCACT
TTTATGGACAAGATGCAAGTCCTTGGGAAATACTTGTTTCCCTTTTATAGTTTAGTAGGTGATCTTGA
CGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTCCTTATCAAAGAAA
AT

+

FF
FFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2542:1633:15311_1:N:0:TCTGCAAG+GCTGCACT
ATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAG
TTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGT
GAT

+

:FF
FFFFFFFFF:F,F,FFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1351:2474:25441_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAA

+

FFFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFF
FF,F

@A00721:190:HGJW7DSXY:4:2463:11758:36886_2:N:0:TCTGCAAG+GCTGCACT
CATAACTTCTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAAC
ACTTATCACCCTTGTGAAAGGAAAATAATTGGTGATGAAAATACGTA

+

FFFFFFF,FFFF,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFF:::FFFF:F:
FFFF:F:FFFF:F,FF,FFFF:FF,,FF:F,FFFFFF,F:F:F:,F

@A00721:190:HGJW7DSXY:4:1539:22064:1658_2:N:0:TCTGCAAG+GCTGCACT
TTGGATGTTGTGAAAACATCAGGTTCTTGTCACGATTCTTAAAAGAAGTTTATTAATAACTTCAGAG

TCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTT
+
FF
:FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1262:20916:34867_1:N:0:TCTGCAAG+GCTGCACT
TCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGT
TAGGGAGTGGCTAGGTTTTTAAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGA
GTT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1402:24894:18333_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCA
TTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTA
CAC
+
FF:F:FFFFFFFF:FFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1638:4987:1924_2:N:0:TCTGCAAG+GCTGCACT
TCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTT
ACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGT
+
FFFFF::FF
FFF:FFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2665:25825:33880_1:N:0:TCTGCAAG+GCTGCACT
TCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTA
CAGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTAATCGTGAGGTTACGAGAGTTTCGTAC
TTG
+
FF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2451:32289:36495_1:N:0:TCTGCAAG+GCTGCACT
AGAGAGAGAGGTTAATCAGAATTTGAGTGATAACGATTTAGTACTGGGAAATGGTGGTAGTCAGTTTA
CTACTTTTCTTCCCTCCCCTTTTTCGATTGGATTGACGGGTCTTCGTCTCACGACTAATTTGATA
AGG
+
FF:F:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2153:27588:33708_1:N:0:TCTGCAAG+GCTGCACT
ATGTTTCGTTTTAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGA
CTTGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGAT
GAT
+
FF,FFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1552:23610:15045_1:N:0:TCTGCAAG+GCTGCACT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTGCGGAAAAGAAAGTTTCAT
GAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAAC
GGA

+
FFFFFFFFFFFFFF:F:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1650:31991:23422_2:N:0:TCTGCAAG+GCTGCACT
CTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTG
GGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:1558:27941:15499_2:N:0:TCTGCAAG+GCTGCACT
CTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAG
AACAAGCGAGCGGTTGAAGAGAAAACCTGATATGGTTGCGGCTGATCGT
+
FFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFF,FFFF
FFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1513:10267:3959_1:N:0:TCTGCAAG+GCTGCACT
GGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGT
TTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAAGTACCCTT
ACA
+
FFF:FFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2615:32045:33442_2:N:0:TCTGCAAG+GCTGCACT
TTGTTGACTACGATCTCTTGTAAATAAGAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAG
ACCACTGAAGTTATAGCGACTTTTGTGCAATTTTTCGCAAAAGGTCTT
+
FFFFFFFFFFFFFFFFFFFF::FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFFFF:FFFFFF:F,FFFFFFFFFFFFFFFF:F:FFF,FFF::F
@A00721:190:HGJW7DSXY:4:2174:16821:32503_2:N:0:TCTGCAAG+GCTGCACT
CTGCTAATCGTAATTCGCGAGAAGAGATAGTACTAAAGTTTGGCACTTCTAGTTCATCGCGGTATT
TGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:2165:16423:20854_1:N:0:TCTGCAAG+GCTGCACT
CGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTTATA
CCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTAC
TTC
+
FFFFFFFFFFFFFFFFFFFF,FFFF:FF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1233:22697:18255_2:N:0:TCTGCAAG+GCTGCACT
GAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCCGCGCCGACGTTTGTGCGCAACTCTCAGAGGT
TTACGGCAGAAAAATTTCTCCTGCTTGAATTCGAGAGAGGACACTAT
+
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFF
FFFFFFFFFFFF,FFFFFFFFFF:FF:F,FFF:FFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2561:20627:5337_1:N:0:TCTGCAAG+GCTGCACT
TAAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTATGAAGTTCAAGGTAATACTTACCAGCACG
TTCGGCTGGTTAGAATTAACCTCAAGATGACCCTGTTTTTGCATCACAAACACATATTACCGTTGCT
CTA

+
FFFFFFFFFFFF:FF
FF:FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1613:14516:29230_2:N:0:TCTGCAAG+GCTGCACT
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCACGTTTAGCA
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGAT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2104:25744:32174_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTCTT
AGAAGAGGTTATTCTCTGGAACCACCTTAACGTCACTCGGTAATCTTTC
+
FFFFFFFF:FF:FF:FFFFFFFFFFFFFFFF:F:FFFFFF
,FFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:,FFF
@A00721:190:HGJW7DSXY:4:2273:26377:14544_1:N:0:TCTGCAAG+GCTGCACT
GATCAAGGATAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGGTTTAGCTGTATC
ATCAGTCAGTGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTCTTCTTATGAGGCTCGAAA
CTT
+
FFF,,,FF,FF:F,,,FF,FF:F:F:FFF:,,,FFFFFF,F,,FFFFFF,F,,F,FF:,F:,:F:F:
,F,,,FF,F,:FFFF,FFFF,FFF:,,FFFF:FF::F,FFFFFF:F,,F,FF:F:,,,FF,FF:
:FF
@A00721:190:HGJW7DSXY:4:2653:31060:12978_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTGTTTTGATCAGTCTAAGTTGGATAAAGTTATAGGAGACTCAGTTAACCTGAGAGCTCCT
CAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAA
TAT
+
FFFF:FFFF,FF:FF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2277:28971:11772_1:N:0:TCTGCAAG+GCTGCACT
GGTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTG
ACGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGAT
TTT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1139:11342:13526_2:N:0:TCTGCAAG+GCTGCACT
CCAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAACACT
TTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTAT
+
FFFFFFFFFFFFFFFFFFFF::F:FF:FFFFFFFFFFFF
FFFF,FFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2546:17707:4163_2:N:0:TCTGCAAG+GCTGCACT
CTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTGAAGCGAA
ATTTTTGAGGGATAAACCAGCGTACTTCTGCTCGGATTTATTCTTTT
+
FFFFFFFFFFFFFFFFFFFF:FF
FF:FFFFF,FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1177:30047:13917_1:N:0:TCTGCAAG+GCTGCACT
CGATATTCGATTGAGGGTCGTTATACCTATTGGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTT

TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGA
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2672:20048:30577_2:N:0:TCTGCAAG+GCTGCACT
CCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGAT
CGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAA

+

FF
FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2522:26395:10786_2:N:0:TCTGCAAG+GCTGCACT
TCTTTTCATTTTAAATGACGATCATTAAGACTCTCTTTCTTTGTTTCCTTCTTTGCACTGATTTTT
TCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAAC

+

FF
FFFFFFFFFFFF,:FFFFFFFFFFFF:FF:F:FFF:FFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1452:3378:11162_2:N:0:TCTGCAAG+GCTGCACT
TCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAAACGTTTGACCGTGACGAAC
GTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCATC

+

FFFFFFFFFFFFFFFFFFFF:FF:FF
FF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1646:22390:26334_2:N:0:TCTGCAAG+GCTGCACT
AATCACTCATTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGA
ATAGTGATAGCCACCCGCCTTACAGAGGGCAGCAGCATGACCATAAT

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2473:31729:28291_1:N:0:TCTGCAAG+GCTGCACT
CACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAATGCTTAACAACAATGATAGTGAAT
TTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACT
CAT

+

FFFFFFFFFFFFFFFF:FFFFFFF,F:FFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFF
:FF
FFF

@A00721:190:HGJW7DSXY:4:1465:7907:33974_2:N:0:TCTGCAAG+GCTGCACT
TACAAGGACCTTAAGCGATGGATCGGGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTAAA
ACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2675:6822:25520_2:N:0:TCTGCAAG+GCTGCACT
TTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTC
AGTACCCAGTCAGTATACCTCTACGCAAAGATATTCATGAAAACCTAC

+

FFFFFFF::FF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2343:23746:10081_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTCATATTATGAATGAACCTTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTT
CAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGT
TAC

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2632:17318:26068_2:N:0:TCTGCAAG+GCTGCACT
AGTGTATTATTCTGGTGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC
+
FFFF,FF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2667:16324:21934_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAACCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAA
ATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATT
AAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1619:31882:33692_2:N:0:TCTGCAAG+GCTGCACT
TTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGT
GAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2628:4634:31908_2:N:0:TCTGCAAG+GCTGCACT
ACTTTATCTGAGAGTAGCGTTCTTTTGTGCGATTGTATCAATAGTAACATAACGACAAATAAAGGTCT
CTATCAGGTGGGTATAATAGTTGCCGCCGGATCCGCCTTACCATTGAA
+
FF
FFFFFFFF:FF:
@A00721:190:HGJW7DSXY:4:1346:3613:1955_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCCTCTGGCCTTGTATGAGGGTGTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC
+
FFFF:FFFF:F:FFFFFFFF:FFFF,FFF,,FFF,F,FFFFFFFFFFFFFFFF:FFFF,FFFF:
FFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2342:1624:36808_2:N:0:TCTGCAAG+GCTGCACT
ATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAG
AACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATAT
+
FFF:FF,FF,:F:FFFFFFFF:FFFF:FFF:,,:F:FFFF:FFFF,FFFFF,F,:F,FFFF,F
,F,FF:F,FF,FFF,FFFF,F,FF:FF,,FFF:F:FFF:FFFF,,
@A00721:190:HGJW7DSXY:4:2125:28076:3302_2:N:0:TCTGCAAG+GCTGCACT
TGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGG
AATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCGAACGTCAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2444:23610:11945_1:N:0:TCTGCAAG+GCTGCACT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGTTACGAGAAGAAGGTTGAAAGTTTG
AGAACTTAGTTTACGAACCTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCT
GAT
+
FFFFF:FFFFFFFFFFFFFFFF:FF,FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1440:29017:23062_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCCTTGGAATTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATC
GTAAGAAGTTTATAAGGAACATATCCATTGTGTGAATAGGGTCATCAACTTAGAACTCGAACTCTA
AGT

@A00721:190:HGJW7DSXY:4:2563:31494:9721_2:N:0:TCTGCAAG+GCTGCACT
CCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCG
TAATGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCACTC

@A00721:190:HGJW7DSXY:4:1244:26214:2237_1:N:0:TCTGCAAG+GCTGCACT
TCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAATGATGTTAGAGTAGAATTCCTGAAGAG
TCCTTCCGTAACCAACTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGT
CTG

@A00721:190:HGJW7DSXY:4:2666:17535:5274_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACT
TACTTAGACTTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTG

@A00721:190:HGJW7DSXY:4:2649:9281:12587_2:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTAT

@A00721:190:HGJW7DSXY:4:2303:4264:31516_2:N:0:TCTGCAAG+GCTGCACT
AACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAAATAAATAAATAATATT
ACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGC

@A00721:190:HGJW7DSXY:4:2161:20491:17065_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG

@A00721:190:HGJW7DSXY:4:2448:9869:1391_2:N:0:TCTGCAAG+GCTGCACT
AGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCT
AGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGA

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2630:18511:30639_1:N:0:TCTGCAAG+GCTGCACT
CCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCTTTAAAGACTGCAGAGGCTGTCAAACA
AGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGG
GTG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1506:18475:24095_2:N:0:TCTGCAAG+GCTGCACT
TAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCT
GAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATA

+

FF
FF:F

@A00721:190:HGJW7DSXY:4:1420:25057:9815_1:N:0:TCTGCAAG+GCTGCACT
GATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGC
CACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCT
TGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1455:13232:20087_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATTAATCATTACTTTAACGATCTCTCGGTAATTTACTCTGTAATTTATCTACGTATTTAACT
GTCGGA AAAACATTTACTTAGAATGACTCTATCTTTAAGACACTTAT

+

F:FFFF,FFF,FFF,FF,:FFF,:FF,FF,,F,F,FFF,F,:,,F,F,,FFF:FFF,,,FFFF,F
FF:::FF,FF,,F,F::,FF,:FF,:FFF,F,FFF,FF,,FFF,::

@A00721:190:HGJW7DSXY:4:2517:21224:26757_2:N:0:TCTGCAAG+GCTGCACT
ACTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCT
TCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCT

+

FF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1118:7048:7310_1:N:0:TCTGCAAG+GCTGCACT
AAAGCTTGTTTTCCGTCCTGAACCTTAATACTAATAGATCACCCGCAAACGACTCGAAACCGAGACG
CCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATT
TA

+

F:,,,,:FFF,F:,,,F,F,,,FF,:,,,F:,F:F,,F,FF,,,FFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2367:2727:18834_2:N:0:TCTGCAAG+GCTGCACT
TGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACT
CCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2351:10203:19351_1:N:0:TCTGCAAG+GCTGCACT
GGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAA
ATTTTAGAACTTTATTTCAAGACTCTCTCCGATCACCTGGTGTGATCTCCCGGAGGATCTTTTCAAT
AAG

+
FFFFF:FFFF,FF
F,FF:FF
FFF
@A00721:190:HGJW7DSXY:4:2462:2320:2159_2:N:0:TCTGCAAG+GCTGCACT
TAAATAGTGATATTCAGCGTATACGTGAATACTTTATCAAAGATTGGCTTGGTCTATTTACCGCAA
AAGTTGGAAGAGGTCTATGATATTTATTTACTTATACTTTAAATAGC
+
FFFF:FFFFFFFF:FF::FFFFFF,F:FF:F,:F:FFFFFF:FFF,F:FFFF,FF:FF,FFFF:FFF
,F:FFFFFFFF:FFFF:FFFFFF,FFFFFFFFFFFFFFFF:F,FFF:F,,
@A00721:190:HGJW7DSXY:4:1229:20229:18427_1:N:0:TCTGCAAG+GCTGCACT
ACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACTGGTGAACACGTC
GGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA
CAA
+
FF:FFFFFFFFFFFFFFFF
FF,FFF
FFF
@A00721:190:HGJW7DSXY:4:2672:19633:14450_2:N:0:TCTGCAAG+GCTGCACT
TAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGTATGGTATAATGTGTCTTAC
AAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCT
+
FFF:FF:FFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1478:10583:20729_1:N:0:TCTGCAAG+GCTGCACT
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGA
AAAACCTCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTA
TTG
+
FF:FFFFFFFFFFFF:FFFF
FF:F:FFFFFFFFFFFFFFFFFFFFFFFF
:FF
@A00721:190:HGJW7DSXY:4:2172:17616:34726_1:N:0:TCTGCAAG+GCTGCACT
TTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAAT
GAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTTGTATAAA
TTT
+
FF
FF:FF:FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1567:6352:14434_2:N:0:TCTGCAAG+GCTGCACT
TGACCAATCATCGCTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATC
GGCACCCTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTT
+
FFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2562:13602:17065_1:N:0:TCTGCAAG+GCTGCACT
GGACGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAAC
ATTGACGGCAGTCCCGTCATCTCTGTGGGAACTGAGGCAGTACCTCAGTCAAAGTCACATTCACCAC
TCC
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1554:1823:14199_2:N:0:TCTGCAAG+GCTGCACT
GACTATACAGTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGA

@A00721:190:HGJW7DSXY:4:1630:28357:9173_1:N:0:TCTGCAAG+GCTGCACT
GGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTC
CATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGG
AAT

@A00721:190:HGJW7DSXY:4:2413:22227:34068_2:N:0:TCTGCAAG+GCTGCACT
CACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAA
GTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGG

@A00721:190:HGJW7DSXY:4:1662:13386:8923_2:N:0:TCTGCAAG+GCTGCACT
CAAATCTGTTGAATTCGTCCTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGA
GCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCG

@A00721:190:HGJW7DSXY:4:1454:32940:21057_2:N:0:TCTGCAAG+GCTGCACT
TTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAACATGCGGGCGAAGATCCCTATGGAGTCT
TGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCA

@A00721:190:HGJW7DSXY:4:1255:3188:20322_1:N:0:TCTGCAAG+GCTGCACT
CAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGACTGATGAGG
TAAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTTATATTCAGTGGTCTGGGAGGCTGCTTTC
CTC

FFF
@A00721:190:HGJW7DSXY:4:2258:5439:17769_1:N:0:TCTGCAAG+GCTGCACT
GAGAGCATTAGAAGGAAGTTGGGCAAATTCACACATATGGTAGACGTTGTACACTTTTCTTGAAAAT
TTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATG
CTG

FFF
@A00721:190:HGJW7DSXY:4:1127:24704:6793_1:N:0:TCTGCAAG+GCTGCACT
GCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGAGGAAGTTCTCCGAAATTAAAGACGGGG
GGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAG
ATG

FF
FFF

@A00721:190:HGJW7DSXY:4:2527:20998:33317_2:N:0:TCTGCAAG+GCTGCACT
GAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGGAGGCAAGTGGAGAGTCCAGAAGTTGA
TGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATG

+
FF
FFFFFFFF:FFFFF:F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2208:16116:13683_1:N:0:TCTGCAAG+GCTGCACT
TTAGGTCAACTTGGGGTTTCAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTTGAGTATCGA
CAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTACCATATTGTTCTT
CCG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1112:13087:6402_1:N:0:TCTGCAAG+GCTGCACT
TAACCTTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT
CTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGT
AGC

+
FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2372:20437:20353_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGG
CTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1612:18367:36933_1:N:0:TCTGCAAG+GCTGCACT
GAGGCGATATTCGTTTTTCATATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGAT
GTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT
GAA

+
FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2462:28456:28447_2:N:0:TCTGCAAG+GCTGCACT
TCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATA
CGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGAT

+
FF
FFFF:FF
FFFFFFFF

@A00721:190:HGJW7DSXY:4:1564:17291:36605_2:N:0:TCTGCAAG+GCTGCACT
CATTTTCGTCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCT
TGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTA

+
FFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1467:26666:28980_1:N:0:TCTGCAAG+GCTGCACT
ATGAGTTCGAATAACTCGTAATAAATCTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCA

GGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAA

+

FFFFF:,FFF,FFFF:FFF:FFFFFFFF:FFF:FFF:FF:FFF:FFFFFFFFFFFF,FFF:FF,FFF
F:FFFFFFFFFFFF,FFF:FFFFFFFFFFFF:FFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2112:28483:8672_2:N:0:TCTGCAAG+GCTGCACT
CTTATAAGAGAGTTTCAAAAGACAAGAAAAGTAACAAGAAGATAAAGGTACGAAGGGGAGAAAACAG
AACAAGCGAGCGGTTGAAGAGAAAACCTTATATGGTTGCGGCTGATCGT

+

FF,,,FFFF,,,F:FFFFFF,FF,FFFF:,,FF::FFFF,,,FFFF::F:,,:F,FF,F,FFFF:,,
FFFF:,,,,,,FFF,:F,F:FFFF,F,,,F:,,F:F,:F,,FFF,F,

@A00721:190:HGJW7DSXY:4:1553:28393:18693_1:N:0:TCTGCAAG+GCTGCACT
GGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAAGT
TTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAAGTACCCTT
ACA

+

FFFFFFFFF:FF
FF:F:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2436:21866:27398_1:N:0:TCTGCAAG+GCTGCACT
AGAAGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAAGTTATAGCGACTTTTGTG
GAATTTTTCGCAAAGGTCTTGAAGTACGTATTGTCACTGCTAATCGTAATTCGCGAGAAGAGATAGT
GAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1221:8675:36965_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAAC
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGT

+

FFFFFFF:FFFFFF:FFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1634:6253:1767_1:N:0:TCTGCAAG+GCTGCACT
ACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGCTTATACC
ATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTACTT
CAA

+

:F:FFFFFFFFF:FFFFFFFFFFFF:FFF::FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF::FFF
FFFFFF:FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1356:32099:10989_2:N:0:TCTGCAAG+GCTGCACT
GAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGGAAGTCTCAGAGGT
TTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTAT

+

FF
FF,F:FF

@A00721:190:HGJW7DSXY:4:1264:5728:17049_1:N:0:TCTGCAAG+GCTGCACT
AAGAGTAAGGTTAAATGTGAAGATGCTCAGACTATTCATGAAGTTCAAGGTAATACTTACCAGCACGT
TCGGCTGGTTAGAATTAACCTCAAGATGACCCTGTTTTTGCATCACAAACACATATTACCGTTGCTC
TA

+

FF:F,,F,FFF:F:FF:FFFF,FFFFFFFFF,FFFFF,FFF:FFF::FFFF:FFFFFF:FFFF,FF
:F:::FFFFFFF::FFFFFFFFF:FF:FFFFFFFFF:FFFFF:FF:FFFF:,F,FFFFFFFFFFFF:FF
FF

+

+

+

+

+

+

+

+

• • •

@A00721:190:HGJW7DSXY:4:1276:32425:18004_2:N:0:TCTGCAAG+GCTGCACT
TTCTACTACGGATTCATGGACCTTCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACT
TCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCTG

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:2576:9444:34225_2:N:0:TCTGCAAG+GCTGCACT
CCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCG
TAAAGGAAGATCTGTTATCGACGTTTATCGTTTACGAAGTATCACTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1658:18530:33144_1:N:0:TCTGCAAG+GCTGCACT
TCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAG
TCCTTCCGTAACCAACTTCTTTACAATTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGT
CTG

+

::FFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF,FFFFF:,FFFFF::F:FFFF,FF,FFFFF,F::F:FF
FF,FFF,FFFFF,FFFFF,F:,F,FF::FF::FFFFF,FFF:,FFFF:F:F:FFF::FF,FFFF:FFF
F:F

@A00721:190:HGJW7DSXY:4:2666:18475:6089_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGAAATAATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACT
TACTTAGACTTTCTACGATACAAATGATAACTTCTAATTTACGTTTG

+

FF:FFF,FFFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF,::

@A00721:190:HGJW7DSXY:4:1375:21323:35352_1:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGCGACCTCGACCCGATTATATGGTATTAACCTTATAAAGGTGAGGAG
ACC

+

FFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2521:4779:23923_2:N:0:TCTGCAAG+GCTGCACT
AACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATATT
ACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2407:8052:17910_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG

+

FF:FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2545:27868:8359_2:N:0:TCTGCAAG+GCTGCACT
AGAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTTCTTTGATACAACTCT
AGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGA

+

FF:FFFFFFFFFFFFFFFF:FF:FFF
FFF:FFFF,FFFFFFFF:FFF:FFFFFFFF:FFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1409:23032:29230_1:N:0:TCTGCAAG+GCTGCACT
GTTTCAGACGTGTGCTCTTCCGATCTTTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGC
CCAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTG
ATA

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1560:30056:13182_2:N:0:TCTGCAAG+GCTGCACT
TAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTTCGTAGAACCAAGTACTTTCCGTCT
GAAGAGTTTtagagctgctatttgattatgtaaccgataggagttgtata
+
FF
FFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1506:7283:23062_1:N:0:TCTGCAAG+GCTGCACT
GATAATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCCACAGATTTGTCTACGTTGCAGATCGC
CACTCCAAACACTATATACATTATAAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCT
TGG
+
FFFFFFF,FF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1540:4634:25676_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATTAATCATTACTTTAACGATCTCTCGTcatttactctgtacttgatctacgtcgtttaact
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT
+
,FFFFFFFFFFFFFFFF:F::F:F:F:F,FFFF,FFFF:FFF:FF,FFF:F:FFFFFFFFFFFFFFFFFFFF
F::F:F,FFFFFFFF,FFFFFFFFFFFF:FFFFFFF,FFFF:FFF:F:F
@A00721:190:HGJW7DSXY:4:1139:30436:20854_2:N:0:TCTGCAAG+GCTGCACT
CTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTT
CGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1118:6903:7310_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGTTTTCCGTCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCC
GTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2465:23131:6637_2:N:0:TCTGCAAG+GCTGCACT
TGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACT
CCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAAC
+
FF:FFF:FFF
FF:FFFF,FFFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:2360:30662:21715_1:N:0:TCTGCAAG+GCTGCACT
GTAAC TTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAA
ATTTTAGAACTTTATTTcagaactctctccgatcaccttggtgtgatctcccggaggatcttttcaat
AAG
+
:,FFFFFFFFFFFF,FFFF:FFFF,FFFF,FFFF,FFF,FFFF,FFFF,FFFFFFFF::F:FFF,FFFF
,:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2473:21368:19961_2:N:0:TCTGCAAG+GCTGCACT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGCTATTTACCGCAAA
AAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGC

FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2127:13729:23923_2:N:0:TCTGCAAG+GCTGCACT
CAAATCTGTTGAATTCGTCAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGA
GCAGTCGCTGGGGAAAGAGAATTGCGTGCGTGAAGGCCGACGCTTCG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2525:2374:11866_2:N:0:TCTGCAAG+GCTGCACT
TTTTGTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAACATATGGGGCGAAGATCCCCTATGGAGTCT
TGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCA

+

:FFFFFFFFFFFFFF:FF
FF,FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1360:29288:11631_1:N:0:TCTGCAAG+GCTGCACT
CAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAAATGCGGGCTTTCTGACTGATGAGG
TAAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTTCTGGGAGGCTGCTTTC
CTC

+

FFFFFFFF:FF
FFF,FF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2355:4056:30937_1:N:0:TCTGCAAG+GCTGCACT
GAGAGCATTAGAAGGAAGTTGGGCAAATCCACATATGGTAGACGTTGTCACACTTTTCTTGAAGAAAT
TTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATG
CTG

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1416:1280:8594_1:N:0:TCTGCAAG+GCTGCACT
GCAGAGTGAAGGAGTTGAGAGTGTGCTCTTCCGATCTGAGGAAGTTCTCCGAAATTAAAGACGGGG
GGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAG
ATG

+

FF:FFFFFFFFFFFFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1217:29243:28682_2:N:0:TCTGCAAG+GCTGCACT
AGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGAT
GAAGAAGGATTATTTGAAGCAGGGGTACCCTCCTCAGGTGGATGA

+

FF:FFFFFFFF,FFFFFFFF:FFFFF:FFF:FFFFFFFF:FFFFF,:FFFF:FFFFFFFF:FFF
FFFFFFFFFFFF:FFFFFFFF:FFFF:FFF,FFFF,FF,FFFFFF

@A00721:190:HGJW7DSXY:4:2516:20302:16078_1:N:0:TCTGCAAG+GCTGCACT
TTAGGTCAACTTGGGGTTTGAATGTCATTAGTGCCTTACGATTGAAAGAGGTCCTTTGAGTATCGA
CAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACTTACCATATTGTTCTT
CCG

+

FF::F:,F,FF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1165:19533:16157_1:N:0:TCTGCAAG+GCTGCACT
TAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT

CTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGT
AGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2421:27624:35775_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGTACCTTACAAGGTTGAGGAGACTTTACAGCGG
CTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC

+

FF:FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1612:19678:22764_1:N:0:TCTGCAAG+GCTGCACT
GAGGCGATATTCTTTTTTCATATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGAT
GTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1114:7310:8766_2:N:0:TCTGCAAG+GCTGCACT
GTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACG
ATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTG

+

FF:FFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2477:7609:31391_2:N:0:TCTGCAAG+GCTGCACT
GACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGC
ATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2225:31439:28948_1:N:0:TCTGCAAG+GCTGCACT
ATGAGTTCCGAATAACTCGTAATAAATCTTCTCTAGTGGACAATTGAGAATACCTATTTCCGTACCA
AGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTTCGTTCTCAATAA
AAA

+

FFFFFFF:FFFFFF:FF:FFFFFFF:FFFFFFF
FFFFFFFFF:FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1548:10890:8359_1:N:0:TCTGCAAG+GCTGCACT
TCTTCATAAGGGCTATTACGTACGTATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATAT
GTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCTCTCGGGGAAAGTATTACCAAGATGT
TCA

+

FFFFFFFFFFFFFFF:FF:FFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1550:17915:30953_1:N:0:TCTGCAAG+GCTGCACT
CCTAGAGAAGGTCGACGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATG
CTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAG
GAC

[illegible]

@A00721:190:HGJW7DSXY:4:1329:18918:24236_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAAC
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGT

@A00721:190:HGJW7DSXY:4:2339:18756:23046_1:N:0:TCTGCAAG+GCTGCACT
ACGAATTATTCATGATTCACGCTGGTCAGACCCCTTTTCTTACACATCTACTTAAAGGCGGCTTATACC
ATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTACTT
CAA

@A00721:190:HGJW7DSXY:4:1519:11026:15577_2:N:0:TCTGCAAG+GCTGCACT
GAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGCAACTCTCAGAGGT
TTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTAT

@A00721:190:HGJW7DSXY:4:2242:24505:8860_2:N:0:TCTGCAAG+GCTGCACT
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCA
CGGGAGGTTGCAGATTC AACCCCTTATATCGAGGCTATCGAGGACGAT

@A00721:190:HGJW7DSXY:4:2148:28556:2566_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCTGGAACCACCTTAACGTCACTCGGTAATCTTTC

@A00721:190:HGJW7DSXY:4:2314:8549:28823_2:N:0:TCTGCAAG+GCTGCACT
TCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCAT
CAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTA

@A00721:190:HGJW7DSXY:4:2648:15519:20415_1:N:0:TCTGCAAG+GCTGCACT
GATAAATTTATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGA
CGCTAGTATACTTCGTAAAGTCGTCAGCGAAATTGTCAATATTGATAATTGGACCTACTATATGACCT
ATT

@A00721:190:HGJW7DSXY:4:2434:9462:11835_1:N:0:TCTGCAAG+GCTGCACT
GTTTCTTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCACTG
ACGATTTCTCCCGAAGCTCTTCTCTCTTAGGAGGTCATGATGACTACTATAAGGGTGAAATCGAT
TTT

FF
FFF

@A00721:190:HGJW7DSXY:4:1336:16251:8782_2:N:0:TCTGCAAG+GCTGCACT
CCAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAAACGGCCAACACT
TTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTAT

+
FF:FFFFFFFFFFFFFFFFFFFF
FFFF,FFFF,FFFFFFFF,FFFFF:FFFFFFF:,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2253:7808:2080_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAAGCGAAATT
TTTGAGGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTATCTTC
GTT

+
FF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1439:16532:23109_1:N:0:TCTGCAAG+GCTGCACT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTT
TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGA
AAA

+
FF:FFFFFFFFFFFFFFFFFFFF
FF:FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1413:30544:3537_2:N:0:TCTGCAAG+GCTGCACT
TTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACT
TCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCG

+
FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2330:29731:28275_2:N:0:TCTGCAAG+GCTGCACT
TAAATGACGATCATTAAGACTCTCTTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCATCAGC
TTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATATCAGTTGAT

+
FF:FFFFFFFFFFFFFFFFFFFF
:FFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2335:7500:7028_1:N:0:TCTGCAAG+GCTGCACT
CCGAAAGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAACTGTGG
TGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACG
ATA

+
F:FFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2344:20220:26584_2:N:0:TCTGCAAG+GCTGCACT
AATCACTCATTTTAGTGAGATTATTAACGCACTAAACGCTTCGACAACAGCAGGGGTTTTCGA
ATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAAT

+
FF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2176:27516:7811_1:N:0:TCTGCAAG+GCTGCACT
TACTGTCTGTCTCGCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTA
CAATCATTTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGT
TAC

@A00721:190:HGJW7DSXY:4:2360:8730:27289_2:N:0:TCTGCAAG+GCTGCACT
ATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGG
AACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCT

+

FFFFFF,FFFFFF:,FFFF,FF:,FFFF:FFFFFFFFF:FFFF,F::FFFF,FFF::FFFFFFFF:F
FF:FF,F,FF,,F:FFFFFFFF,FFFF,:FFFFFFFFF,FFFFFF

@A00721:190:HGJW7DSXY:4:1206:2962:27352_1:N:0:TCTGCAAG+GCTGCACT
TGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGG
AATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCGAACGTCAACGTTACCGAGTTTCGTTTC
GTA

+

FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:F:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2578:6840:23766_1:N:0:TCTGCAAG+GCTGCACT
TAGTGCGAGGCCTCTCTTCTACGAGTATTGCTATTTATACGTTACGAGAAGAAGGTTCGAAAGTTTG
AGAACTTAGTTTACGAACCTGACTCTACTATACGTGACATACTAAATACTAGATATTTGGATGATCTT
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1617:13051:18646_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCTTGATTTTAAATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATC
GTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAACTCTA
AGT

+

FFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1336:30273:6762_1:N:0:TCTGCAAG+GCTGCACT
CAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCGT
AAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAGAA
TAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2169:24867:10989_1:N:0:TCTGCAAG+GCTGCACT
TCTATTATTGATTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAG
TCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGT
CTG

+

FF:FFFF:FFFFFFF
FF:,FFFFFFFFFFFF:FFFFFF:F,:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1523:30987:25254_2:N:0:TCTGCAAG+GCTGCACT
ATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTT
CCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCT

+

FFFFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:1504:24017:2722_1:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTAC

CGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1118:7048:7310_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCC
GTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2552:16568:29058_2:N:0:TCTGCAAG+GCTGCACT
TGCTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACT
CCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAC
+
FF,:F,FF:FFFFF:, ,FF,FFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFF:FFFFFFFF:FFF
FFFFFFFF,FFFFFF,FFFF, ,FF: :FFFF:FFFFFFFF,FFF,
@A00721:190:HGJW7DSXY:4:1568:23113:6856_2:N:0:TCTGCAAG+GCTGCACT
AACTTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAAAT
TTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTC
+
FFFFFFF,FF:F
FF:F:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2308:11053:36855_1:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTA
TAC
+
:FFFFFFFFFFFFFFFFFFFFF::FFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFFFFFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1459:5511:24408_1:N:0:TCTGCAAG+GCTGCACT
ACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACTGGTGAACACGTC
GGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA
CAA
+
FF
FF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1359:28049:7075_1:N:0:TCTGCAAG+GCTGCACT
AAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGTATGGTATAATGTGTCTTACA
AATAGAACCTTCACTCTCGTAATGAGAGTGATTCTTAATATTCTAGTAACCGCTATGTGGGCATT
ACT
+
FF:FFFFFFFF
F:FFF
FFF
@A00721:190:HGJW7DSXY:4:1377:25129:3865_2:N:0:TCTGCAAG+GCTGCACT
GAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTA
CTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAA
+
FFFFFFFFFFFF:FFFF:FFFF, :FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2167:4056:19476_2:N:0:TCTGCAAG+GCTGCACT
TGACCAATCATCGCTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATC

GGCACCCTGGTCTCTACGTTGAGGGACCCGCTGTGCAGACTAACCTT
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFF, FFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF, :F:FFFF
@A00721:190:HGJW7DSXY:4:2518:7419:20823_2:N:0:TCTGCAAG+GCTGCACT
ACGACCCTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACAT
TGACGGCAGTCCCGTCATCTCTGTGGGAACTGAGGCAGTACCTCAGTC
+
FF:FFFFFFFFFF:FF:FFFFFF, FFFFF:FFFFFFFF:FFFF
F:FFF:F:F:F:FFFFFFFFFFFF::FFF, FFFFFFFFFFFFF, FFFFFF
@A00721:190:HGJW7DSXY:4:1168:7880:16360_2:N:0:TCTGCAAG+GCTGCACT
CACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGG
GAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGC
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFF:FF
@A00721:190:HGJW7DSXY:4:2420:24035:26772_2:N:0:TCTGCAAG+GCTGCACT
TGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCA
AACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1459:18530:19836_1:N:0:TCTGCAAG+GCTGCACT
CTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCT
GAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCTGCCGACCCCATCTTTGAGACCAAGA
CTC
+
FFFFFF:FFFFFFFF, FFFFFFFFF, FF
FFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2131:26539:36933_2:N:0:TCTGCAAG+GCTGCACT
CAAATCTGTTGAATTCGTCCTGAGGACGAAGGTGAGAGGACTTTTGCTACTGGCGACAACTGAGA
GCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCG
+
:FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF, FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2526:26693:13432_2:N:0:TCTGCAAG+GCTGCACT
TTTTGTCAACGGCGTTTGGAGATTTTATCCGCGCTTAACATATGGGGCGAAGATCCCCTATGGAGTCT
TGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCA
+
FFFFFF:FFFFFF, FF, F:FFFFFF
FF:FFFF
@A00721:190:HGJW7DSXY:4:1515:16938:15295_1:N:0:TCTGCAAG+GCTGCACT
CAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGACTGATGAGG
TTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTGTTATATTCACTGGTTCTGGGAGGCTGCTTTC
CTC
+
FF:F::FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2360:32036:14481_1:N:0:TCTGCAAG+GCTGCACT
GAGAGCATTAGAAGGAAGTTGGGCAAATCCCACATATGGTAGACGTTGTACACTTTTCTTGA
TTTTCTTTCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATG
CTG

+
FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1632:10899:9596_1:N:0:TCTGCAAG+GCTGCACT
GCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGAGGAAGTTCTCCGAAATTAAAGACGGGG
GGATTAAGAGTCCAGCTGTAACGTGCATTTAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAG
ATG
+
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1217:30382:28087_2:N:0:TCTGCAAG+GCTGCACT
AGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGAT
GAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2666:26964:3035_1:N:0:TCTGCAAG+GCTGCACT
TTAGGTCAACTTGGGGTTTGAATGTCTAGTGCCTTACGATTGAAAGAGGTCCTTTGAGTATCGA
CAGATCTTTCGATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACTTACCATATTGTTCTT
CCG
+
F:FF
FF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1376:21160:34632_1:N:0:TCTGCAAG+GCTGCACT
TAACCTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT
CTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGT
AGC
+
FF
FF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2555:4517:3114_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAAACCTATCGTTGTGCTACCTTACAAGGTTGAGGAGACTTTACAGCGG
CTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC
+
FF
FF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1621:4001:6449_1:N:0:TCTGCAAG+GCTGCACT
GAGGCGATATTCGTTTTATATCCAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGAT
GTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT
GAA
+
FFFFFFFFFFFFFFFF:FF
F:FFFFFFFFFFFFFFFF,FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1376:27163:6042_2:N:0:TCTGCAAG+GCTGCACT
GTTCTGTTACAAGAAGCGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACG
ATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTG
+

[illegible]

$+$

@A00721:190:HGJW7DSXY:4:2246:20247:18552_2:N:0:TCTGCAAG+GCTGCACT
TTGGATGTTGTCGAAACTATCAGGTTCTTGTCACGATTCTTAAAAGAAGTTTATTAAAACTTCAGAG
TCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTT

+

@A00721:190:HGJW7DSXY:4:1646:1452:16971_1:N:0:TCTGCAAG+GCTGCACT
TCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGT
TAGGGAGTGGCTAGGTTTTAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATTACCCAGA
GTT

+

@A00721:190:HGJW7DSXY:4:2149:7383:4131_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCA
TTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTA
CAC

+

@A00721:190:HGJW7DSXY:4:2577:12373:32315_2:N:0:TCTGCAAG+GCTGCACT
TCGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTT
ACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGT

 $+$

@A00721:190:HGJW7DSXY:4:2430:22290:4523_2:N:0:TCTGCAAG+GCTGCACT
CAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTAC
AGTTCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTTAATCGTGA

+

@A00721:190:HGJW7DSXY:4:1101:19289:36213_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGAC
TTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATG
ATG

+

@A00721:190:HGJW7DSXY:4:2278:17933:35462_1:N:0:TCTGCAAG+GCTGCACT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCAT
GAGGATGTCTTGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAAC
GGA

 $+$

@A00721:190:HGJW7DSXY:4:2520:23023:13777_2:N:0:TCTGCAAG+GCTGCACT
CTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTG
GGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAA

@A00721:190:HGJW7DSXY:4:2216:22987:34820_2:N:0:TCTGCAAG+GCTGCACT
CTTCTAAGAGTGTTC AAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAG
AACAAGCGAGCGGTTGAAGAGAAAACCTGATATGGTTGCGGCTGATCGT

@A00721:190:HGJW7DSXY:4:2126:6144:2769_1:N:0:TCTGCAAG+GCTGCACT
GGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGT
TTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACCACTT
ACA

@A00721:190:HGJW7DSXY:4:1205:9010:29559_2:N:0:TCTGCAAG+GCTGCACT
AGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAACCTTATAGCGACTTTTGTGCAA
TTTTTCGCAAAAGGTCTTGAAGTACGTATTGTCACCTGCTAATCGTAAT

@A00721:190:HGJW7DSXY:4:1354:5104:10582_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAAC
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGT

@A00721:190:HGJW7DSXY:4:2543:6144:28917_1:N:0:TCTGCAAG+GCTGCACT
ACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAAGGCGGCTTATACC
ATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTACTT
CAA

@A00721:190:HGJW7DSXY:4:1519:11306:15906_2:N:0:TCTGCAAG+GCTGCACT
GAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGGT
TTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTAT

@A00721:190:HGJW7DSXY:4:2509:10782:33943_2:N:0:TCTGCAAG+GCTGCACT
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCA
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGAT

[illegible]

@A00721:190:HGJW7DSXY:4:2222:3622:26209_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATATCTT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACTCGGTAATCTTTC

+

,:F:FFFFFF:FFFFFF,FFFFFF,FFFF,FF,F,FFF:FF,FFFF,: ,FFF,F,: :FFF,FF::
FFFF:FF,,,: ,FF: ,FFFF:FFFF,FFFF:FFFFFF,FFFFFF,,FF,

@A00721:190:HGJW7DSXY:4:2451:18313:19492_2:N:0:TCTGCAAG+GCTGCACT
TCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCTAGTCAGCGCGTTTAGCTGTATCAT
CAGTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2413:2428:29309_1:N:0:TCTGCAAG+GCTGCACT
ATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTAT
ACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGC
TCA

+

FFFFFFFFFFFFFFFF:FF
FF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1150:26612:13385_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCAGTGA
CGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTA

+

FF
F:FF

@A00721:190:HGJW7DSXY:4:1444:12057:8249_2:N:0:TCTGCAAG+GCTGCACT
CCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAAACGGCCAACACT
TTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2373:7726:36417_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTGAAGCGAAATT
TTTGAGGATAAACCAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGATTACATCTATCTTC
GTT

+

FFFFFFFFFFFFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1446:18466:3599_1:N:0:TCTGCAAG+GCTGCACT
CGATATTGATTGAGGGTCGTTATACCTATTTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTT
TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGA
AAA

+

FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1438:24496:10567_2:N:0:TCTGCAAG+GCTGCACT
TTCTACTACGATTGATGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACT
TCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCTG

+

FFF
FFFFFFFFFFFFFFFF:FF

+

@A00721:190:HGJW7DSXY:4:2610:26973:9095_1:N:0:TCTGCAAG+GCTGCACT
CCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAACTGTGG
TGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACG
ATA

 $+$

@A00721:190:HGJW7DSXY:4:2502:26332:36918_2:N:0:TCTGCAAG+GCTGCACT
AATCACTCATTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGA
ATAGTGATAGCCACCCGCCTTACAGAGGGGCGAGCAGCATGACCATAAT

+

@A00721:190:HGJW7DSXY:4:2540:19859:14215_1:N:0:TCTGCAAG+GCTGCACT
TACTGTCTGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTA
CAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGT
TAC

+

@A00721:190:HGJW7DSXY:4:2225:29279:36949_2:N:0:TCTGCAAG+GCTGCACT
TACAAGGACCTTAAGCGATGGATCGGGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTA
ACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAAT

+

@A00721:190:HGJW7DSXY:4:1533:8449:21699_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTAACCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCAT

+

@A00721:190:HGJW7DSXY:4:1672:10176:10379_2:N:0:TCTGCAAG+GCTGCACT
CGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACT
TTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATT

+

@A00721:190:HGJW7DSXY:4:1214:26630:27884_1:N:0:TCTGCAAG+GCTGCACT
TTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACC
ACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAATACTTTT
CAA

+

[illegible]

$+$ $+$

+

+

+

+

+

+

@A00721:190:HGJW7DSXY:4:2206:9733:36699_1:N:0:TCTGCAAG+GCTGCACT
TCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAG

TCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGT
CTG

+

FFFFFFFFFFFFFFFF:FFFFFFF,FFF:F:F:FF,F,FFFFFFFF:FFFF:FF,FFF:FFFFFF:FF
FFFFFFFFFFFFFFFF:FFFFFF,FF,:FFF:FFFF:F,FF,FFFFFF,FFFFFF,:F,,F:FFF:F
FF:

@A00721:190:HGJW7DSXY:4:1570:29170:10207_2:N:0:TCTGCAAG+GCTGCACT
ATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTT
CCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2205:10239:10645_1:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAAGGTGAGGAG
ACC

+

FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1102:19542:27602_1:N:0:TCTGCAAG+GCTGCACT
ACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATTA
CTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGT
GAG

+

FFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1406:22146:13667_2:N:0:TCTGCAAG+GCTGCACT
ATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGA
CACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCA

+

FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF,:FF
FF

@A00721:190:HGJW7DSXY:4:1457:14470:3630_2:N:0:TCTGCAAG+GCTGCACT
GAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATCTTTTGATACAACCTA
GCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:1649:10954:1423_1:N:0:TCTGCAAG+GCTGCACT
GTTGAGACGTGTGCTCTTCCGATCTTTCAAGCTTGTGCTTTAAAGACTGCAGAGGCTGTCAAACAAGC
CCAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTG
ATA

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF:
FFF,FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2218:22607:27680_2:N:0:TCTGCAAG+GCTGCACT
TAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTTCGTAGAACCAAGTACTTTCCGTCT
GAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATA

+

FF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFF:

@A00721:190:HGJW7DSXY:4:1118:14895:10598_2:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACT
CCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACT

+

FF,FFF:FFFF:FFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF:FFFF:F

@A00721:190:HGJW7DSXY:4:1208:27896:26757_2:N:0:TCTGCAAG+GCTGCACT
AATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTAC
TCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAG

+

FF,:FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF,FFFFFFFF:F::FFFF

@A00721:190:HGJW7DSXY:4:1337:23411:10911_2:N:0:TCTGCAAG+GCTGCACT
CTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTT
CGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTC

+

FF,FFFF
FFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1367:18575:24298_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCC
GTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACT

+

FF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1108:26747:5478_2:N:0:TCTGCAAG+GCTGCACT
CTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCC
GAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAAGTAT

+

FF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FF::FFF

@A00721:190:HGJW7DSXY:4:2159:13557:36714_2:N:0:TCTGCAAG+GCTGCACT
AACTTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAAT
TTTAGAACTTTATTTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTC

+

FF,
:FF,::F::FFFFF

@A00721:190:HGJW7DSXY:4:2357:17237:14653_1:N:0:TCTGCAAG+GCTGCACT
TCAATCAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGAAGATGTCTATGATATTTATTTTACTTA
TAC

+

FFFFF,F,FFFFF,FF:FF:FFFFF:F:FFFFF:FF:,F,FFFF:FF,FFFF,:FFF:FFFFF
F,F:F::FFF:F,FFFFFFFF:FFFF:F,:F::,FFFFFF::FF,FFFFFFFF:F,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1627:27832:14779_1:N:0:TCTGCAAG+GCTGCACT
ACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACTGGTGAACACGTC
GGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAACTATAAGTTA
CAA

+

FFFFFFFFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1528:29649:35305_1:N:0:TCTGCAAG+GCTGCACT
AAAGAAATAAAAATACTTCAAGTACCTGAACCTTTACATTTTAAATGGTATGGTATAATGTGTCTTACA

$+$

@A00721:190:HGJW7DSXY:4:1628:27977:16282_1:N:0:TCTGCAAG+GCTGCACT
CAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGACTGATGAGG
TTAAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTTATATTCCTGTTCTGGGAGGCTGCTTTC
CTC

+

@A00721:190:HGJW7DSXY:4:2527:20817:21919_1:N:0:TCTGCAAG+GCTGCACT
GAGAGCATTAGAAGGAAGTTGGGCAAATTCACATATGGTAGACGTTGTACACTTTTCTTGAAAT
TTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATG
CTG

+

@A00721:190:HGJW7DSXY:4:1650:16893:26710_1:N:0:TCTGCAAG+GCTGCACT
GCAGAGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATCTGAGGAAGTTCTCCGAAATTAAAGACGGGG
GGATTAAGAGTCCAGCTGTA ACTGTCA TTTCA GAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAG
ATG

+

@A00721:190:HGJW7DSXY:4:1253:17616:17879_2:N:0:TCTGCAAG+GCTGCACT
AGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGAT
GAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGA

 $+$

@A00721:190:HGJW7DSXY:4:2336:32560:35524_1:N:0:TCTGCAAG+GCTGCACT
GACTGGAGTTTCAGACGTGTGCTCTTCCGATCTATTTAACGTGGCAGAATTCGGTAACTTACCATATTG
TTCCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATT
GGT

+

@A00721:190:HGJW7DSXY:4:1535:8929:22654_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGG
GAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCGTACCT
TAC

+

@A00721:190:HGJW7DSXY:4:2107:27778:22576_1:N:0:TCTGCAAG+GCTGCACT
GTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGA
GACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGAT
ATT

```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2604:22978:30545_2:N:0:TCTGCAAG+GCTGCACT
AAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGT
CTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1422:20238:21981_2:N:0:TCTGCAAG+GCTGCACT
GTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACG
ATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTG
+
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1524:26765:29778_2:N:0:TCTGCAAG+GCTGCACT
TGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCGCTTGATTACTATATGCCCGAAGGAT
TGGGTTATTCTCACAACAAAGATAAGATTTTATCTTTCTTCAAACACC
+
FFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFF:FFFFFFFF:FFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1125:16459:8265_1:N:0:TCTGCAAG+GCTGCACT
TGAGTTCCGAATAACTCGTAATAAATCTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAA
GAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAA
AAT
+
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2102:4887:13557_1:N:0:TCTGCAAG+GCTGCACT
TCTTCATAAGGGCTATTACGTACGTATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATAT
GTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGT
TCA
+
FFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2108:25464:26835_1:N:0:TCTGCAAG+GCTGCACT
CCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATG
CTCGCAAACCTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAG
GAC
+
FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2675:4209:31203_2:N:0:TCTGCAAG+GCTGCACT
GAGAAGACAACGAATCTTGAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTT
TGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGT
+
FFFFF:FFF:FF:FFF::,FFFFFF:FFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,F
FFF:FFFFFF:FFF::FFF:FFF:FFFFFFF:,F::FF,,FF::FF
@A00721:190:HGJW7DSXY:4:1673:25075:1861_1:N:0:TCTGCAAG+GCTGCACT
AAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGAGA

```


GGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAA
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2410:6732:24424_1:N:0:TCTGCAAG+GCTGCACT
ACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAATA
AACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCAGATTCTTCATGGGGC
GAC

+

F:FF:FFF,F:FFF:FFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2637:25355:11804_2:N:0:TCTGCAAG+GCTGCACT
CATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAAC
ACATATCACCCTTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTA

+

FF
FF,FFFFFFFFF::FF,,FF:F:FFF,:F::FFF,F,:FFF,,,::,

@A00721:190:HGJW7DSXY:4:2274:14525:16752_2:N:0:TCTGCAAG+GCTGCACT
TTGGATGTTGTGCAAACTATCAGGTTCTTGTACGATTCTTAAAAGAAGTTTATTAAACTTCAGAG
TCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTT

+

FF
FF
:FFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1661:1154:19742_1:N:0:TCTGCAAG+GCTGCACT
TCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGT
TAGGGAGTGGCTAGGTTTTAAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATTACCCAGA
GTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2149:7780:3599_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCA
TTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTA
CAC

+

:FF
FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1157:14678:13385_1:N:0:TCTGCAAG+GCTGCACT
CGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTA
CCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAG
GAT

+

FFFFF:FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1127:27751:26694_1:N:0:TCTGCAAG+GCTGCACT
CAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTAC
AGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTAATCGTGAGGTTACGAGAGTTTCGTACT
TGG

+
FFFF,FFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
:F,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,,FFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1127:19271:31109_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTGCTGGATGGATCTTTTGTATGTTTCACATTGCGTGATCACTTCCCGTGGAC
TTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATG
ATG
+
F,FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFF:
F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2347:21079:7122_1:N:0:TCTGCAAG+GCTGCACT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTAGGAAACGTCGCGAAAAGAAAGTTTCAT
GAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAAC
GGA
+
FFFFFFFF,F:F:FF
FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2530:24713:35399_2:N:0:TCTGCAAG+GCTGCACT
CTACCACAGAAACCGTCTCAGGAACGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTG
GGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAA
+
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF,FFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1124:25717:14747_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGA
ACAAGCGAGCGGTTGAAGAGAAACTGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAG
ATC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1329:17291:23202_1:N:0:TCTGCAAG+GCTGCACT
ACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGC
TAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACCACTTACAAGA
GTG
+
FFF,FFF:F:FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF,FFFFFF:FFFF:FFFFFFFF:FF
FF::,FF,,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF::FF,:FFFF,FFFFFF:FF::FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1242:9308:30921_2:N:0:TCTGCAAG+GCTGCACT
AGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGAAGACCACTGAACTTATAGCGACTTTTGTGCGAA
TTTTTCGCAAAGGTCTTGAAGTACGTATTGTCACCTGCTAATCGTAAT
+
F:FF
FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2116:18819:25222_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAAC
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2167:14470:32534_2:N:0:TCTGCAAG+GCTGCACT
CTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAAT
CAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTACTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1569:11903:3756_2:N:0:TCTGCAAG+GCTGCACT
GAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGGAACTCTCAGAGGT
TTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTAT

+

FFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2509:10827:33990_2:N:0:TCTGCAAG+GCTGCACT
TCAATGTAAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCACGTTTAGCA
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGAT

+

FF
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2232:7012:32268_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACCTCGGTAATCTTTC

+

FFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FF
FFFFFFFFFF::FFF:FF:FFFF

@A00721:190:HGJW7DSXY:4:1119:9986:29684_2:N:0:TCTGCAAG+GCTGCACT
AAGGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCA
GTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATT

+

FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2540:1118:14575_1:N:0:TCTGCAAG+GCTGCACT
ATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTAT
ACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGC
TCA

+

FFFFFFFFFFFF,FFFFFFFF:F:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1150:27561:14559_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGA
CGATTTCTCCCGGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTA

+

FF:FFFFFFFFFFFF,FFFF
FFFFFFFF:FFFFF,FFF:FF

@A00721:190:HGJW7DSXY:4:1445:14335:21934_2:N:0:TCTGCAAG+GCTGCACT
CCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACT
TTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTAT

+

:FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF
:F,F,F,FFFF:FFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2375:22028:27085_2:N:0:TCTGCAAG+GCTGCACT
AGACTCCAATAACTGATCATTCTGATCATATGATTTTGACAATGGTTTCGAAGCGAAATTTTGAGG
GATAAACAGCGTACTTCTGCTCGCGATTTATTCTTTTTGTCAATGAT

+

FFFFF,FFFFFFFFFFFFFF:FFFFFF::FFFF,FFFFFFFFFFFFFF:FFFFFF:F::FF:FFF:FFFFFF
FFFFF::FFFFFF:FF,:FF,FFFFF,FFF:FFF:FFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1469:3974:8155_1:N:0:TCTGCAAG+GCTGCACT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTT
TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGA
AAA
+
FF:FFFFFFF
FF:FF
FFF
@A00721:190:HGJW7DSXY:4:2140:11975:11835_2:N:0:TCTGCAAG+GCTGCACT
TTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACT
TCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1207:12129:3709_1:N:0:TCTGCAAG+GCTGCACT
TGACGATCATTAAGACTCTCTTCTTCTTTGTTTCCTTCTTTCGACTGATTTTCTCATCAGCTTGT
GTTTTACCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGCGAACT
TTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1550:5358:14403_2:N:0:TCTGCAAG+GCTGCACT
GGGTGAAGCACAACGTTTGACCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCC
TTGAGTTCACCTCGTAAGGACACTACCACTATTACGATATTTCTTTAG
+
FF:FFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2563:9200:30326_2:N:0:TCTGCAAG+GCTGCACT
AATCACTCATTTTAGTGAGATTATTAACAAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGA
ATAGTGATAGCCACCCGCCTTACAGAGGGGAGCAGCATGACCATAAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2549:2808:1532_1:N:0:TCTGCAAG+GCTGCACT
TACTGTCTGTCTCGCCTCTTCGAATGAAGTCTTAATGCTTAACAACAATGATAGTGAATTTATACCTA
CAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGT
TAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFFF:FFFFFFF,:FFFFF,FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2376:23845:1611_2:N:0:TCTGCAAG+GCTGCACT
TACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTTAA
ACCATTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1537:15275:21559_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTTCAT
+

[illegible]

@A00721:190:HGJW7DSXY:4:2351:30951:2143_1:N:0:TCTGCAAG+GCTGCACT
CTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGGATTTTAATATAAAGAA
TCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCA
TTT

+

FFFFFFFFFFFF,FFFF:FF:FF,FFF:
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2501:5168:4554_2:N:0:TCTGCAAG+GCTGCACT
AACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAG
GGGACATTTTATCGTGGGCTTTCGTAAGGAAGATCTGTTATCGACG

+

FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:,F
FFFFFFFF:FFFFFFFF:FFF:F,FFFF:FFFFFFFFFFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:2335:9299:18662_1:N:0:TCTGCAAG+GCTGCACT
TCTATTATTGATTTTTATGAGATTGATACGTAAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAG
TCCTTCCGTAACCAACTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGT
CTG

+

FF:FFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:F:FFFFFFFFF:FFFFFF:FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2155:21603:25473_2:N:0:TCTGCAAG+GCTGCACT
ATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTT
CCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCT

+

FF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2215:31015:21261_1:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTATTAATAAAGGTGAGGAG
ACC

+

FFF,:FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1148:27290:24455_1:N:0:TCTGCAAG+GCTGCACT
ACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATATTA
CTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGT
GAG

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2219:16288:6402_2:N:0:TCTGCAAG+GCTGCACT
ATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGA
CACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCA

+

FFFFF:FF:FFFFFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1525:17038:14904_2:N:0:TCTGCAAG+GCTGCACT
GAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATCTTTTGATACAACTCTA
GCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGAT

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFF  
@A00721:190:HGJW7DSXY:4:2655:8440:34961_1:N:0:TCTGCAAG+GCTGCACT  
GTTCAGACGTGTGCTCTTCCGATCTTTCAAGCTTGTCGTTAAAGACTGCAGAGGCTGTCAAACAAGC  
CCAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTG  
ATA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2238:30364:36135_2:N:0:TCTGCAAG+GCTGCACT  
TAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCT  
GAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:1251:25889:34867_2:N:0:TCTGCAAG+GCTGCACT  
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCCACAGATTTGTCTACGTTGCAGATCGCCACT  
CCAAACACTATATACATTATAAAAATATAAAAAATAAGGGAGTCATAACT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFF:FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF  
@A00721:190:HGJW7DSXY:4:2157:25409:14685_2:N:0:TCTGCAAG+GCTGCACT  
AATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTTACTTTAACGATCTCTCGGTCATTTAC  
TCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAG  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF:F,  
@A00721:190:HGJW7DSXY:4:1623:22498:19038_2:N:0:TCTGCAAG+GCTGCACT  
CTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTT  
CGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTC  
+  
FFFFFFFFFFFF:FFFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF  
@A00721:190:HGJW7DSXY:4:1445:12038:33144_2:N:0:TCTGCAAG+GCTGCACT  
AGCGAGTTTTCTTCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCC  
GTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
F:FFFFFFF,:FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFF  
@A00721:190:HGJW7DSXY:4:1108:28302:4852_2:N:0:TCTGCAAG+GCTGCACT  
CTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCC  
GAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGA ACTAT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFF:F:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2159:14100:36589_2:N:0:TCTGCAAG+GCTGCACT  
AACTTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAAAT  
TTTAGAACTTTATTT CAGA ACTCTCTCCGATCACCTTGGTGTGATCTC  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFF:F:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2378:1868:34569_1:N:0:TCTGCAAG+GCTGCACT  
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
```

ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2345:11849:31187_1:N:0:TCTGCAAG+GCTGCACT
ACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAAGTGGTGAACACGTC
GGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA
CAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2327:26603:29215_1:N:0:TCTGCAAG+GCTGCACT
AAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAATGGTATGGTATAATGTGTCTTACA
AATAGAACCTTCACTCTCGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATT
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1511:32145:12070_2:N:0:TCTGCAAG+GCTGCACT
GAAAATTTTAGAAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTA
CTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAA

+

FF
FFFFFFFF:FFF:FFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2351:23050:36902_2:N:0:TCTGCAAG+GCTGCACT
TGACCAATCATCGCTCCAAGTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATC
GGCACCCTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTT

+

:F:FFFFFF:F:F:FFFFFFF,FFF:FFF:FFFFFF:,FFFFFFFFF:F,FFF:F,:,FF:FFFF
FFFFF:FF::FFFF,FF:F:FFFF,F,FF:FFFF:FFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2143:4535:23093_1:N:0:TCTGCAAG+GCTGCACT
GACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTG
ACGGCAGTCCCGTCATCTCTGTGGGAAGTGAAGGAGTACCTCAGTCAAAGTCACATTCACCACTCCC
ATA

+

FFFFFFFFFFFFFF:FFF::FFFF::FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1574:27742:35446_2:N:0:TCTGCAAG+GCTGCACT
GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGA

+

FFFF:FF
FF,F:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2544:1732:9784_1:N:0:TCTGCAAG+GCTGCACT
GGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTC
CATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGG
AAT

+

FFF::FFFFFFF,:FF:FFF:FFFFFF:F:F:FFFFFFFF:FF::FFF:FFF,F:FF:F:F:FFFF:::

F:FF:FFFF:FFFF:,F:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFF::F:FFFF:F:FFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:2564:1145:2159_2:N:0:TCTGCAAG+GCTGCACT
CACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAG
GTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F:FFFFFFFF,FFFFFFFFFFFF:FF:
FFF
@A00721:190:HGJW7DSXY:4:1105:10257:6637_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAG
CAGTCGCTGGGGAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGA
+
:FFF:FFFFFFFF:FFFF:,FFF:FFFF,FFFFFF:F:FFFF:FFFF,,:FFFFFFFF,,FFF
:F,:FFF:F:FFFFFFFF::,F,:FF:F,FF,FFF,FFF:FF,FF
@A00721:190:HGJW7DSXY:4:1123:18385:2300_1:N:0:TCTGCAAG+GCTGCACT
GTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCG
GGA
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2124:32759:25911_1:N:0:TCTGCAAG+GCTGCACT
GATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTAAACTCTTGCTCCTTCTGT
GGGTGAGGGTTTTTGTATATTCACTGGTTCTGGGAGGCTGCTTCTCCATAATTACAACCTCTCTT
TAG
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:F,FFF
FFF
@A00721:190:HGJW7DSXY:4:2153:29794:35305_2:N:0:TCTGCAAG+GCTGCACT
AGTTGGGCAAATTCACATATGGTAGACGTTGTCACTTTTCTTGAAAATTTTCTTTTCTCCGT
CATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGTCTTCTT
+
FFF:FFFFFFFFF
FFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1661:4182:20322_1:N:0:TCTGCAAG+GCTGCACT
GCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGAGGAAGTTCTCCGAAATTAAAGACGGGG
GGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAG
ATG
+
F,:F:FFF:F:FFFFFFFF,:FF,F:FFFF,FFFF,:FFFFFFFF:F:,FF:FFF:F::FFF
FFFFFFFFFFFF:FF:FFFF,FFFF::FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF,F:,FF
FFF
@A00721:190:HGJW7DSXY:4:1452:17381:33536_2:N:0:TCTGCAAG+GCTGCACT
AGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGAGAGTCCAGAAGTTGAT
GAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCTAAGGTGGATGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:F,FFFFFFFF:FFFFFFFFFFFF:FFFF:FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:F:FFFF,FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2404:2763:23719_1:N:0:TCTGCAAG+GCTGCACT
GACTGGAGTTCAGACGTGTGCTCTTCCGATCTATTTAACGTGGCAGAATTCGTAACCTACCATATTG
TTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATT
GGT

[illegible]

TTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTA
CAC

+

:FFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1169:22987:5290_1:N:0:TCTGCAAG+GCTGCACT
CGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTA
CCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAG
GAT

+

FF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2430:22290:4523_1:N:0:TCTGCAAG+GCTGCACT
CAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTAC
AGTTCCTCTTTGGTGATATCGCCTCTGTCCTTTCTCCTTAATCGTGAGGTTACGAGAGTTTCGTACT
TGG

+

FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1259:3097:10895_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGAC
TTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATG
ATG

+

FFF:FFFFFFFF
FF, :FFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2466:14479:12665_1:N:0:TCTGCAAG+GCTGCACT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTCAT
GAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAAC
GGA

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2562:17644:28009_2:N:0:TCTGCAAG+GCTGCACT
CTACCACAGAAACCGTCTCAGGAAGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTCG
GGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAA

+

FF:FFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFF
FF: :

@A00721:190:HGJW7DSXY:4:1340:11487:31688_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGA
ACAAGCGAGCGGTTGAAGAGAAAACCTGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAG
ATC

+

FFFFFFFFFFFFFFFFFFFF:FF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2628:1154:34679_1:N:0:TCTGCAAG+GCTGCACT
ACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGC

@A00721:190:HGJW7DSXY:4:1177:24876:13823_2:N:0:TCTGCAAG+GCTGCACT
TGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATGATAGTGAATTTATACCTACAA
TCATTGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATG

+

:FF:F
FF

@A00721:190:HGJW7DSXY:4:1114:21522:12430_2:N:0:TCTGCAAG+GCTGCACT
GGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAACCAT
TGTACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTC

+

FF,F
FF

@A00721:190:HGJW7DSXY:4:1554:24939:34757_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCAT

+

FF
FF:F

@A00721:190:HGJW7DSXY:4:1260:15167:21715_2:N:0:TCTGCAAG+GCTGCACT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCG
ATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATT

+

FF,F
FF

@A00721:190:HGJW7DSXY:4:1339:19813:36839_1:N:0:TCTGCAAG+GCTGCACT
TTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACC
ACACAACTTTCAGTTTCACTGAAGGAGGAGGTTTCTGTTACTGGAACCCCTCGTCAATACTTTT
CAA

+

FF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2256:6768:19914_2:N:0:TCTGCAAG+GCTGCACT
CGTCCTTTTCTGGAACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAA
ACTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGAGATCGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2626:2889:8406_2:N:0:TCTGCAAG+GCTGCACT
GAAACAGCTATTAAAGCTGTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGG
ATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGACTCTTCGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2146:7166:18255_1:N:0:TCTGCAAG+GCTGCACT
TACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCCTCTGGCCTTGTAT
GAGGGTGTCTTCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTT
GG

+

F:FF
FF
FF

@A00721:190:HGJW7DSXY:4:2638:21730:14356_2:N:0:TCTGCAAG+GCTGCACT
ATTAAACAAGTTGTACTTATCAATGATTTTATCGCTGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGG

AACGTCAGTTCTAACCCAAAGAGAATATCTAAAATATTTACAAAATCT

+

FFFFFFFF:FFFFFF::FF,FFFFFFFFFFFFFFFF:FFFF:FFFF:F:FFFF:F::,,FFFFFFFF:F
FF,:FFF::F:FFFF:F:FF:FFFFFFFF,FFFFFFFFFFFFFFFF,F

@A00721:190:HGJW7DSXY:4:1619:2085:7232_1:N:0:TCTGCAAG+GCTGCACT
TGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGG
AATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTC
GTA

+

FFFFFFFFFFFFFFFF:FF:FF
FF:FF
F:F

@A00721:190:HGJW7DSXY:4:2415:4155:4805_1:N:0:TCTGCAAG+GCTGCACT
CTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATTATTAATATAAAGAA
TCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCA
TTT

+

FF:FFFF
FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2567:10068:26663_2:N:0:TCTGCAAG+GCTGCACT
AACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAG
GGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACG

+

FF:FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2353:14091:17597_1:N:0:TCTGCAAG+GCTGCACT
TCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAG
TCCTTCCGTAACCAACTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGT
CTG

+

FFFFFFFF:FFFF:FFFF:FFFFFFFF,FF:FFFFFFFFFFFF:F:FFF:FFFF,F,F,:FF:F,
F:FF,,F:FFFFFFFF,FFFFFFFFFFFF,FF::FFF,FFF,F:FF:FF,FFFF,:FF,FFFF,F
,FF

@A00721:190:HGJW7DSXY:4:2229:28501:1157_2:N:0:TCTGCAAG+GCTGCACT
ATCCTACATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTT
CCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCT

+

FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2317:22462:19038_1:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAG
ACC

+

FFFFFFFFFFFF:FF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1342:1705:8046_1:N:0:TCTGCAAG+GCTGCACT
ACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTATAATAATAATAATAATATTA
CTAATGGCAAATAGTGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGATTACGATGACGT
GAG

+

FFFFFFFF,F:FFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:F

FF
FFF

@A00721:190:HGJW7DSXY:4:2343:3070:10285_2:N:0:TCTGCAAG+GCTGCACT
ATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGA
CACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCA

+
FFFFFF:FFFFFF:FFFF,FF:FF,FFFFFFFF
FF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1531:32371:33098_2:N:0:TCTGCAAG+GCTGCACT
GAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCTA
GCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGAT

+
FF
FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1507:28510:17080_1:N:0:TCTGCAAG+GCTGCACT
TGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCC
AGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGAT
AAA

+
FFFFF,FFFF:FFFFFFFF:FF,FFFF:FFFF::FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,F:FF
FFF

@A00721:190:HGJW7DSXY:4:2305:9344:1423_2:N:0:TCTGCAAG+GCTGCACT
TAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAAAGCGTTTGAAGAACCAAGTACTATCCGTCT
GAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATA

+
,F:F:F::F::FFFF:F,,FFF:FFFFFF,FFF:FF,F:FFFF,,F:FFFFFF:FFF,,FF:,FF
:FFFF:FFFFFF,FFF:FF:FF:F:FF,F:,F,FFF:::,F,FFFF

@A00721:190:HGJW7DSXY:4:1268:26422:32941_2:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACGTTGCAGATCGCCACT
CCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATACT

+
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2226:21052:23015_2:N:0:TCTGCAAG+GCTGCACT
AATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTAC
TCTGTACTTGATCTACGTCGTTTAAATGTCTGAACAACCTAACTTAG

+
FFFFFF:F::FF,:FF,:FFFF:, :FF:FF,FFFF::FFFF:F::FF:FFF,,,FF:,,FF,F:F,
FFFF:FFFF,FFFFFF:,F,F:FFF,F:FF,FFFF::,,,F:, :F,

@A00721:190:HGJW7DSXY:4:2309:10257:28995_2:N:0:TCTGCAAG+GCTGCACT
CTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTT
CGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTC

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1557:1398:19445_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGTTTTCCGTCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCC
GTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACT

+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1141:17852:30279_2:N:0:TCTGCAAG+GCTGCACT
CTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCC

GAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACTAT

[illegible]

AACTTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAAT
TTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTC

```

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF

```

TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TAC

[illegible]

CTTGA CTGTTGATAATA TACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCG

[illegible]

AAACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAGTACCTGAACTTTACATTTTTAATGG
TATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCTTAATATTCT
AGT

```
F:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFF  
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF
```

TTACTAGGATTATCACACTCCTAAAATTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGA
AAAACCTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTA
TTG

```
FFFFFFFFFFFFFFFFFFFFFFF:FFF,F:FFFF,FFF:FFF,FFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
FFF
```

TTAATTGCTTACACAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAAT
GAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTTGTATAAA
TTT

[illegible]

TGACCAATCATCGTCCAACTGGCAGCCAGACGTAGGCCTCAAACCTACTACCGCCGGTCGGCAGATC
GGCACCACTGGTCTCTCACTTCAGGGACCGCTGTGCAGAATAAACCCT

[illegible]

@A00721:190:HGJW7DSXY:4:2272:19090:27289_1:N:0:TCTGCAAG+GCTGCACT
GACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTG
ACGGCAGTCCCGTCATCTCTGTGGAACTGAGGCAGTACCTCAGTCAAAGTCACATTCACCACTCCC
ATA

+

FFFF:FF,,F:FF:,F:FF:FFFF:FF,F:F:FFFFFFFFFFFFFFFF:F,F:FFF,FFFFFF:FF,FF:
FFFFFF:FF,F:FF,FFFFFFFF,::FFFFFFFF:FF:F:F:FFFFFFFF,FF:FFF,FFF:FF:
:FF

@A00721:190:HGJW7DSXY:4:2117:3314:14904_2:N:0:TCTGCAAG+GCTGCACT
GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGA

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2545:11731:31955_1:N:0:TCTGCAAG+GCTGCACT
GGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTC
CATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGG
AAT

+

FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFF,F::FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2605:29595:8719_2:N:0:TCTGCAAG+GCTGCACT
CACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAA
GTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGG

+

FFFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1105:11035:7670_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAG
CAGTCGCTGGGGAAGAGAATTGAGTGGGTTGAAGGCCGACGCTTCGA

+

FFFFFFF,:FFFFFFF,FF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,F,FFFFFFFFFFFFFFFF
FFF:FFFFFFFFF:FFF,F::FF,F,FFF:F::FFFFFFFF:FF:FFF

@A00721:190:HGJW7DSXY:4:1137:22092:4398_1:N:0:TCTGCAAG+GCTGCACT
GTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCG
GGA

+

FFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2303:12048:17190_1:N:0:TCTGCAAG+GCTGCACT
GATCTTGACAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTAAAGTCTTGCTCCTTCTGT
GGGTGAGGGTTTTGTTATATTCAGTGGTCTGGGAGGCTGCTTCTCCATAATTACAACCTCTCTT
TAG

+

FFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFF:FFFFFFFF
F:FFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2407:1389:19241_2:N:0:TCTGCAAG+GCTGCACT
AGTTGGGCAAATTCACATATGGTAGACGTTGTCAACTTTTCTTGAAAATTTTCTTTCTCCGT
CATTGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGCTCTTCTT

+

FF:FFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2273:29767:20322_1:N:0:TCTGCAAG+GCTGCACT
GCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGAGGAAGTTCTCCGAAATTAAAGACGGGG
GGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAG
ATG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1543:24804:18803_2:N:0:TCTGCAAG+GCTGCACT
AGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGAT
GAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGA
+
FF
FFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2663:22932:2347_1:N:0:TCTGCAAG+GCTGCACT
GACTGGAGTTCAGACGTGTGCTCTTCCGATCTATTTAACGTGGCAGAATTCGGTAACCTACCATATTG
TTCCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATT
GGT
+
FFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
,FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2675:10719:26631_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGG
GAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTGCTACCT
TAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2237:1380:21793_1:N:0:TCTGCAAG+GCTGCACT
GTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTGCGAGCCATATCGA
GACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTAGATATTATTGATATTGGAGGCGAT
ATT
+
FF:FFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2614:22507:5556_2:N:0:TCTGCAAG+GCTGCACT
AAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGT
CTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAG
+
FF:::FFFF:FFFFFFFFFFFFFF:,F,,FFF:,FFFFFFFFFFFFFFFF:FFFF:F:,FFF:FF:F:,F
:FFFFFFFF,FFFF:F,FFFFFF,FFFF:F,,FFFF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:2206:1696:16642_2:N:0:TCTGCAAG+GCTGCACT
GTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACG
ATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTG
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1610:3712:25551_2:N:0:TCTGCAAG+GCTGCACT
TGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGAT

$+$

@

+

@

+

@

+

@

+

@

+

@

+

©

@A00721:190:HGJW7DSXY:4:1314:6479:2722_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATTTTTCTACAGAGTGAGTCGTTTCAACA
CTTATCACCACCTTTGAAAGGAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGC
TCT

+
FFFF,FF:FFFFFF:FFFFFF:, :FFFF:FFFFFFFF:FFFFFFFFFFFFFFF:F:FFFFFF,FF
FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF:FFFFFFFFFFFFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:2560:21160:24330_2:N:0:TCTGCAAG+GCTGCACT
TTGGATGTTGTGCAAACTATCAGGTTCTTGTCACGATTCTTAAAAGAAGTTTATTAAACTTCAGAG
TCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTT
+
FF:FFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2238:7726:25708_1:N:0:TCTGCAAG+GCTGCACT
TCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGT
TAGGGAGTGGCTAGGTTTTAAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGA
GTT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:F
@A00721:190:HGJW7DSXY:4:2350:11442:3239_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAACCTTCTTTTATCA
TTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTA
CAC
+
FFFFFFFFFFF,F:FF:FFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1217:7392:2926_1:N:0:TCTGCAAG+GCTGCACT
CGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTA
CCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAG
GAT
+
FF:FFFF:FF:FFF
FF:FFFFFFFFFFFFFFFF:FF
FF:
@A00721:190:HGJW7DSXY:4:2417:30436:2409_1:N:0:TCTGCAAG+GCTGCACT
AATAACACTCTATTGAATCCCTTTTCCCGATGAAAGCTCTTTATGAGGTGCTCAATTAATAATTTACT
GTTCTCTTTGGTGATATCGCCTCTGTCTTTCTCCTTTAATCGTGAGGTACGAGAGTTTCGTACTT
GG
+
:FFFFF,F,FF,F,,,F,FFF:F:,,,F:FF,FF,,F,F:F,FF,FFF,,:F,F:,,F,FFFF,,,
,,F,,:FF:F,FFFFFFFF,F,FF:F,F,,F:FFF,,, :FF,FF,F:F:FFFF:,FFFF,FFF:FF,F
FF
@A00721:190:HGJW7DSXY:4:1313:23746:32002_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGAC
TTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATG
ATG
+
FF::FFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2529:25048:13870_1:N:0:TCTGCAAG+GCTGCACT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTGCGGAAAAGAAAGTTCAT
GAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAAC
GGA

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1348:5294:30639_2:N:0:TCTGCAAG+GCTGCACT
TACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGG
GGAAGTGAACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAA
+
FFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFF:FFFFFFFF:FFFFFFF,FFFFFFFFFFFFFFFFFFFF:F:
FFFF:FFFFFFFF:,FFFFFFFF:FFFF,FFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:1549:25771:1846_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGA
ACAAGCGAGCGGTTGAAGAGAAAAGTATGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAG
ATC
+
FF
FF::FF
FFF
@A00721:190:HGJW7DSXY:4:2403:28330:1548_1:N:0:TCTGCAAG+GCTGCACT
CACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTA
GTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACCACTTACAAGAGT
G
+
:F,F:FF:FFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFF:FFFF:FF:FFFF:FF::F,FFFFFFF
FF,:F:FFFF,FF,FFFFFFFF:FFFFFF:FFFFFFF,FFFF,:FFFFFFFF:F::FFFFF,F:FFFFF
F
@A00721:190:HGJW7DSXY:4:2350:26386:33818_2:N:0:TCTGCAAG+GCTGCACT
AGTTCTTCGCAGTTGAATCTCCACCAGGTGGAGGGAAGACCACTGAACCTATAGCGACTTTTGTGCGAA
TTTTTCGCAAAAGGTCTTGAAGTACGTATTGTCAGTCTAATCGTAAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2303:5222:34679_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAAC
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2263:27335:7216_2:N:0:TCTGCAAG+GCTGCACT
CTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAAT
CAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2133:30490:7451_2:N:0:TCTGCAAG+GCTGCACT
GAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCCGCGCCGACGTTTGTGCGCAACTCTCAGAGGT
TTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTAT
+
FFFFFFFFFFFFFFFFFFFF,FFF,F:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFF
FF:::FFFFFFFFFFFFFFFF:FFF:FF,FF:FFF::FFFFF,FF:FFF
@A00721:190:HGJW7DSXY:4:1507:8079:36182_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGTAAGTGTACGTTTAGCACGGG
AGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGT
+

FFFFFFFFFFFF:FF
FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2474:5900:14372_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACTCGGTAATCTTTC
+
FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFF:FF:F:FFFFF
F:FF:FFFFFFFF:FFF,FFFFFFFFFFFFFFFF:FFFF,FFF::FF,F
@A00721:190:HGJW7DSXY:4:1344:32407:27837_2:N:0:TCTGCAAG+GCTGCACT
AAGGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCA
GTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2623:3197:29982_1:N:0:TCTGCAAG+GCTGCACT
ATAGGAGACTCAGTTAACCTGAGAGCTCCTCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTAT
ACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGC
TCA
+
FFFFFF:F:F:FFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1322:10303:34992_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCAGTGA
CGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTA
+
FF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2165:24542:13463_2:N:0:TCTGCAAG+GCTGCACT
CCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAAACGGCCAACACT
TTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2555:22562:18991_2:N:0:TCTGCAAG+GCTGCACT
AGACTCCAATAACTGATCATTCTGATCATATGATTTTGACAATGGTTTCGAAGCGAAATTTTGAGG
GATAAACAGCGTACTTCTGCTCGCGATTTATTCTTTTGTCAATGAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
FFFFFFFFFFFF:FFFFFFFF,FFF:FFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1641:32136:5697_1:N:0:TCTGCAAG+GCTGCACT
CGATATTCGATTGAGGGTCGTTATACCTATTTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTT
TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGA
AAA
+
F:FFFFFF:FFFFFF:F:FFFFFFFFFFFFFFFF:FFFF:F,F:FFFF,FFFFFFFFFFFF:FFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2550:32579:5149_2:N:0:TCTGCAAG+GCTGCACT
TTCTACTACGATTTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACT
TCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1257:3730:12555_1:N:0:TCTGCAAG+GCTGCACT
TGACGATCATTAAGACTCTCTTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTTCCTCATCAGCTTGT
GTTTTACCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGCGAACT
TTG

+

FF
FF:
FFF

@A00721:190:HGJW7DSXY:4:2334:2076:1297_2:N:0:TCTGCAAG+GCTGCACT
GGGTGAAGCACAACTTTGACCGTGACGAACGTGGTGTCTTGATCTACGTTACGGATATACTCTCC
TTGAGTTCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAG

+

FF
FF,

@A00721:190:HGJW7DSXY:4:1160:7012:3646_2:N:0:TCTGCAAG+GCTGCACT
ATCACTCATTTTAGTGAGATTATTAACAAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAA
TAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATT

+

FF:
FF

@A00721:190:HGJW7DSXY:4:1431:5963:23156_2:N:0:TCTGCAAG+GCTGCACT
TGTCTGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAA
TCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATG

+

FFFFFF:FF:
,FF,FFFF:FFFFFFFFFFFF:FFFFFF:FF:,FF:FFF,FFFF,FFF

@A00721:190:HGJW7DSXY:4:1178:30689:19727_2:N:0:TCTGCAAG+GCTGCACT
GGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTAACCAT
TGTACGATGTCGTCTGTCTCGCGATCACTTTTCACTAAGAATTGGTC

+

FF:
FF

@A00721:190:HGJW7DSXY:4:1611:26567:29152_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTAAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACATGTCTTTTCAT

+

FFFF:F,F,FFFF,FFFFFFFF,FFFF:F,FF:,F,F::,FFF,F::,FFFF:FFFF,FF,FFFFFF
FF,FFFF,FFFFFF,FFF,F:,FFF::FF,F,F:FFF,F:,F,,,:F,

@A00721:190:HGJW7DSXY:4:2160:27462:20713_2:N:0:TCTGCAAG+GCTGCACT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCG
ATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATT

+

FF:
FF

@A00721:190:HGJW7DSXY:4:2267:2175:20666_1:N:0:TCTGCAAG+GCTGCACT
TTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACC
ACACAACTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAACCCCTCGTCAATACTTTT
CAA

+

FF
FF:
FF:

@A00721:190:HGJW7DSXY:4:2315:28330:22968_2:N:0:TCTGCAAG+GCTGCACT
CGTACTTTTCTGGAACGTAGTTTTACTATTATGAACCAAGTTATCAAAGATAGTGGCATTCAAGGCAA

ACTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGAGATCGG
+
FF,,,,FFF,:F,FF,FFFF,FF,,FF,:F:FF,,FFF,FFFF:FF,:FF,FF,FF,:F:,,,FFF
FF,FFFFFF,FFF:,F:FF:F:FFFF:FF:F,,FFF,:F,,:F,FF,
@A00721:190:HGJW7DSXY:4:2639:32434:7780_2:N:0:TCTGCAAG+GCTGCACT
GAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGG
ATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGT
+
FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,F,FFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFF::FFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2158:25509:4742_1:N:0:TCTGCAAG+GCTGCACT
TACCGTTGAAGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGTAT
GAGGGTGTTCCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTT
GG
+
FFF:,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF::FF,FF:FFFFFFFFFFFFFF:FFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2276:13404:1689_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAAT
ATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGT
+
FFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2227:13286:31641_1:N:0:TCTGCAAG+GCTGCACT
TGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGG
AATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCGAACGTCAACGTTACCGAGTTTCGTTTC
GTA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2636:23023:31501_1:N:0:TCTGCAAG+GCTGCACT
CTTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCTTGGATTTTAATATAAAGAA
TCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCA
TTT
+
FFFFF:F,FF,FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2567:10520:26130_2:N:0:TCTGCAAG+GCTGCACT
AACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAG
GGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACG
+
FFFFF,FF:FF:FFF:
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2353:14597:17503_1:N:0:TCTGCAAG+GCTGCACT
TCTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAG
TCCTTCCGTAACCAACTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGT
CTG
+
FFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2258:4010:31172_2:N:0:TCTGCAAG+GCTGCACT
ATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGA
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTC

+

F,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2516:8901:28651_1:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAG
ACC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1661:4679:27195_1:N:0:TCTGCAAG+GCTGCACT
ACTAACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATTA
CTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGT
GAG

+

FFFFF,FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2248:20898:25285_1:N:0:TCTGCAAG+GCTGCACT
TAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAATGAAGGAC
ACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGA
CAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2473:23493:8797_2:N:0:TCTGCAAG+GCTGCACT
GAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCTA
GCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGAT

+

FFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2356:31693:20901_1:N:0:TCTGCAAG+GCTGCACT
TGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAATCCC
AGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGAT
AAA

+

:FFF,FFFF:F:F::F:FFF:FFF,FF::,:FF:F:F,FFFF:FFFF,:F:F:FF,:FFFFFF,F:,
F,F:F:FFF,:FF:::F:FFF:F:F,FF,FFFFFFFF,FF,F:FFF:FFFF:FFFFFF::FFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2508:29939:21277_2:N:0:TCTGCAAG+GCTGCACT
TAGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTCCGTCT
GAAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATA

+

FF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1453:25084:1251_2:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACGTTGCAGATCGCCACT
CCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1643:9914:22952_1:N:0:TCTGCAAG+GCTGCACT
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGA
AAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTA
TTG

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1438:11975:11929_1:N:0:TCTGCAAG+GCTGCACT
CTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGC
CGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTTGTATAAATTTATAT
GAT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF,FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFF
FFFFFFFF:FFFFFFFF:FFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2611:32334:20948_2:N:0:TCTGCAAG+GCTGCACT
TGACCAATCATCGATCCAAGTGGCAGCGGACGCTAGGGTCAAACCTACTACCGCCGGACGGCAGATC
GGCACCCTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTA

+

:FFFFFFFF:FF,,FFFFFF:F,F,F,FFF:F,,FF:FFFFFFFF,FFFFFFFF,FFFFFF:,F
FFF,F,:FFF,:FF:FFFFFF:FFF:FFFFFFFF,F:FFFFFFFF,

@A00721:190:HGJW7DSXY:4:2356:31593:31501_1:N:0:TCTGCAAG+GCTGCACT
GACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTG
ACGGCAGTCCCGTCATCTCTGTGGGAAGTGAAGCAGTACCTCAGTCAAAGTCACATTCACCACTCCC
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2175:32542:5243_2:N:0:TCTGCAAG+GCTGCACT
GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCTCCG
CTGGCAGCAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF:FFFF:FFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:
F,FFFF:FFF,FFFF:FFFF:FFFFFFFF:FFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2656:28537:27336_1:N:0:TCTGCAAG+GCTGCACT
GGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTC
CATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGG
AAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1130:7808:27633_2:N:0:TCTGCAAG+GCTGCACT
ACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAG
TTGCGCTGCCGACCCATCTTTGAGACCAAGACTCTCTACAGTAGGT

+

FFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFF:FFFF:FF,F:FFF,FFF:FFFFFFFF:F
FFFFFFFFFFFFFFFF:FF:FFFF:FFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1223:19144:18239_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTCGCTACTGGCGACAACTGAGAG
CACTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGA

+

```

FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1165:29017:29105_1:N:0:TCTGCAAG+GCTGCACT
GTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTACCCTTAAGCACCGAGGTAAGCTCG
GGA
+
FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF
FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2369:3351:35884_1:N:0:TCTGCAAG+GCTGCACT
GATCTTGCAAGTGAAGTTCAGACGTGTGCTCTTCCGATCTGTTAAACTCTTGCTCCTTCTGT
GGGTGAGGGTTTTTGTATATTCACTGGTCTGGGAGGCTGCTTCTCCTCATAATTACAACCTCTCTT
TAG
+
FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF
FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2438:28447:20259_2:N:0:TCTGCAAG+GCTGCACT
AGTTGGGCAAATTCACATATGGTAGACGTTGTACACTTTTCTTGAAAATTTTCTTTCCTCCGT
CATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGTCTTCTT
+
FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF
FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2510:19416:16047_1:N:0:TCTGCAAG+GCTGCACT
GCAGAGTGAAGTTCAGACGTGTGCTCTTCCGATCTGAGGAAGTTCTCCGAAATTAAAGACGGGG
GGATTAAGAGTCCAGCTGTAAGTGTCAATTTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAG
ATG
+
FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF
FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2142:11153:23124_2:N:0:TCTGCAAG+GCTGCACT
AGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGAT
GAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGA
+
FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF
FFFFFFFFFFF:FFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1134:7591:8656_2:N:0:TCTGCAAG+GCTGCACT
GATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTACCATATTGTTCTTCCGGGAAGTT
GTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTT
+
FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF,FFF:FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF
FFFFFFFFFFF:FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1223:16550:4288_2:N:0:TCTGCAAG+GCTGCACT
GACTACTCGACTTTTATCTGGAGTTGACTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATAT
GCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGC
+
:F:,FF,,,F,F:,,:FF,F,,FF:,,,,,F:,F,FFF,:,F,FFF:FF,F,F:FF::FF:FF:FF:
,FF,,FF:FF,F,,:F,,F,,F,,:FF,F:,F,F,FF::F,:
@A00721:190:HGJW7DSXY:4:2623:28411:13777_1:N:0:TCTGCAAG+GCTGCACT
CTAAGAGTCTTTATGATTCAAAACCTATCGTTGTGCTACCTTACAAGGTTGAGGAGACTTTACAGCGG
CTTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGT
CGC

```

FF,:FFFF:FFFFFFFF:FF:,F::FF:F:F:FFFFFFFFFFFFFFF,,FF:FFFFFFFFFFFFFF:FFFFFF
 FFFFF,FFFFFF,,FFFFFFFF::FFF:FFFFFFFF,FFFFFF:FFF:,FFFFFFFFFFFFFF:FFFF
 FF:
 @A00721:190:HGJW7DSXY:4:2119:32642:3317_1:N:0:TCTGCAAG+GCTGCACT
 GAGGCGATATTCGTTTTTCATATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCTATTCTTGAT
 GTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT
 GAA
 +
 FFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:2232:19732:21825_2:N:0:TCTGCAAG+GCTGCACT
 GTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACG
 ATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTG
 +
 FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFF:FFFFF
 FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:2157:27814:29496_2:N:0:TCTGCAAG+GCTGCACT
 TGACCTTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGAT
 TGGGTTATTCTCACAACAAAGATAAGATTTTATCTTTCTTCAAACACC
 +
 FFFFFFFFFFFFFFFFFFFFFFFF:FFF
 FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1169:2392:3380_1:N:0:TCTGCAAG+GCTGCACT
 TGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTGAGAATACCTATTTCCGTACCAA
 GAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAA
 AAT
 +
 FFFFFFFFFFFFFFFFFFFFFFFF:FFF:
 FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:1132:1163:11490_1:N:0:TCTGCAAG+GCTGCACT
 CTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATG
 TTACGACATGGCTTCGTAACAACAGTACGAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTT
 CA
 +
 FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
 FF
 @A00721:190:HGJW7DSXY:4:2119:1615:8077_1:N:0:TCTGCAAG+GCTGCACT
 GAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCA
 AACTTAACGTTAGTACCGGAGGTGATCTCTGCTTCTGCGTTACTGAGAGAAAAGATTACAGACGCC
 TAC
 +
 FFFFFFFFFFFFFFFFFFFFFFFF:FFF
 FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:2109:11080:25034_2:N:0:TCTGCAAG+GCTGCACT
 AACGAATCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTGAGATTG
 AGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAA
 +
 FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

$+$

@A00721:190:HGJW7DSXY:4:2177:21974:31876_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGAC
TTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCTGATG
ATG

 $+$

@A00721:190:HGJW7DSXY:4:2539:7808:36839_1:N:0:TCTGCAAG+GCTGCACT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAAGAAAGTTCAT
GAGGATGTCTTGTCGAAAAATATCGCCGGGAAGCTTCTAATAGAGGATCCTGATGACATTATTTCAAC
GGA

 $+$

@A00721:190:HGJW7DSXY:4:1408:22806:25332_2:N:0:TCTGCAAG+GCTGCACT
TACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGG
GGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAA

+

@A00721:190:HGJW7DSXY:4:2104:8576:25958_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGA
ACAAGCGAGCGGTTGAAGAGAAAAC TGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAG
ATC

+

@A00721:190:HGJW7DSXY:4:1502:23312:5321_1:N:0:TCTGCAAG+GCTGCACT
AATGATCTTCCAGAGTTTCGTAGTGTCGTTATTTTGGTGATTTTATCAAAGAGTAAGTTTCTGCTAG
TCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAAACTTCGAACTGACCACTTACAAGAG

 $+$

@A00721:190:HGJW7DSXY:4:1657:32325:21590_2:N:0:TCTGCAAG+GCTGCACT
CCACTGAAC TTATAGCGACTTTTGT CGAATTTTCGCAAAGGTCTTGAAGTACGTATTGCTACTGCT
AATCGTAATTCGCGAGAAGAGCAGATCGGAAGAGCGTCGTGTAGGGAA

$$+$$

@A00721:190:HGJW7DSXY:4:1249:18177:16783_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA

+

```

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFF

```

@A00721:190:HGJW7DSXY:4:1151:28004:13698_1:N:0:TCTGCAAG+GCTGCACT
ATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATT
GATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAG
TCT

+

:FFFFFF:FFFFFF,FFF:FFFFFF:FFF:FFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1253:24858:7404_2:N:0:TCTGCAAG+GCTGCACT
TGCCCGGCCGACGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTC
GAGAGAGGACACTATGGAATTAGACCTATCAGATGTCTTGACGACTT

+

FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1669:13096:33755_2:N:0:TCTGCAAG+GCTGCACT
TGTAAGTTAAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGTAAGTGTACGTTTAGCACGGG
AGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGT

+

FF
:FFF:FFFFFF:FFFFFFFF:FFFFF,FFF

@A00721:190:HGJW7DSXY:4:2550:27480:5525_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACTCGGTAATCTTTC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:F::FFFF

@A00721:190:HGJW7DSXY:4:1418:5737:20008_2:N:0:TCTGCAAG+GCTGCACT
AAGGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCA
GTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1326:28556:12962_2:N:0:TCTGCAAG+GCTGCACT
TCAATTGATAGATTGGGTCAACAATAGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCA
ATATTGATAATTGGACCGACTATATGACCTATTTAAGCTCATGGTGA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1514:15989:4476_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGAGAGAGTCAAACAGTGCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGA
CGATTTCTCCCGAAGCTCTTCTCTCTTAGGAGGTCATGATGACTA

+

FF
FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2320:21721:27305_2:N:0:TCTGCAAG+GCTGCACT
CCAGGAGTATCCATAACGATTTGTCAATTTACCACCTTGTCAACGACGACGTGGAACGGCCAACACT
TTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTAT

+

FFF:F::,,FFFF:,FFF,:FF,,FFF:FFF:,FFFFFF:F:FF,:FF,FFF:FFFFFFF
FFFF,:,,FFFF:FFF,:FFFF,FFFFFFFF:FF,FF,:FFFF

@A00721:190:HGJW7DSXY:4:2142:17164:6918_2:N:0:TCTGCAAG+GCTGCACT
CCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTGAAGCGAAATTTTGGAGGATAA
ACCAGCGTACTTCTGCTCGGATTTATTCTTTTGTCAATGATTACAT

+

[illegible]

@A00721:190:HGJW7DSXY:4:2445:5882:19789_2:N:0:TCTGCAAG+GCTGCACT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCG
ATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATT

+

FF
FF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2274:18059:35055_1:N:0:TCTGCAAG+GCTGCACT
TTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACC
ACACAACTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAACCCCTCGTCAATACTTTT
CAA

+

FF::FFFFF,FFFF:FFFFFFFF::FF,FFFFFFFFFF:FFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF:FF::F,FFF:FFFF,FFFF::FFFF:FFFFFFFFFFFFFFFF:FFF:FFFF
FF:

@A00721:190:HGJW7DSXY:4:2418:16116:36886_2:N:0:TCTGCAAG+GCTGCACT
CGTCTTTTCTGGAACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAA
ACTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGAGATCGG

+

FF
FF
FF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2333:26512:35634_1:N:0:TCTGCAAG+GCTGCACT
AAACAGCTATTAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGA
TGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGACTCTTCGTCGATTGTATCAACAGTAACAT
TAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2522:29342:11506_1:N:0:TCTGCAAG+GCTGCACT
CGTTGAAGGCTAACTCCAAGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTATGAG
GGTGTCTTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGG

+

FFFF:F:FFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFF:FF:FFF,FF:FFFFFFFF,FFFFFFFF,FFFFFFFFFFFFFFFFFFFF:F:FFF,FFFF

@A00721:190:HGJW7DSXY:4:2311:6623:12806_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAAT
ATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGT

+

FF
FF
FFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2401:11776:7795_1:N:0:TCTGCAAG+GCTGCACT
TGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGG
AATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCGAACGTCAACGTTACCGAGTTTCGTTTC
GTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2224:31575:4507_1:N:0:TCTGCAAG+GCTGCACT
ATTGATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGATTATTAATATAAAGAA
TCTTTACCAGGACTCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCA
TTT

+

:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2567:10547:25989_2:N:0:TCTGCAAG+GCTGCACT
AACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAG
GGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACG

@A00721:190:HGJW7DSXY:4:1101:15212:28526_1:N:0:TCTGCAAG+GCTGCACT
CTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGT
CCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTC
TGT

@A00721:190:HGJW7DSXY:4:2402:21169:27665_2:N:0:TCTGCAAG+GCTGCACT
ATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCCTACGA
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTC

@A00721:190:HGJW7DSXY:4:2540:18096:16016_1:N:0:TCTGCAAG+GCTGCACT
CTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTAC
ACGTTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTATTAAC TTATAAAGGTGAGGAG
ACC

@A00721:190:HGJW7DSXY:4:1227:13847:10473_1:N:0:TCTGCAAG+GCTGCACT
AACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAAATAAATAATATTACTA
ATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAG
AAT

@A00721:190:HGJW7DSXY:4:2446:12337:18255_1:N:0:TCTGCAAG+GCTGCACT
TAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGAC
ACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGA
CAC

@A00721:190:HGJW7DSXY:4:1268:12020:36902_1:N:0:TCTGCAAG+GCTGCACT
GAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTA
GCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGATGC
TAT

[illegible]

@A00721:190:HGJW7DSXY:4:1254:5620:23062_2:N:0:TCTGCAAG+GCTGCACT
TATTCAAGCTTGTCTGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAA
AGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATA

+

FFFF:FFFFFFFF:F:FFFF:FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:1230:1362:27806_1:N:0:TCTGCAAG+GCTGCACT
AGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTG
AAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGAC
GAT

+

FFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1213:18466:21198_2:N:0:TCTGCAAG+GCTGCACT
ATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATA
CATTATAAAATATAAAAAATAAGGGAGTCATAACTTTTGTACCAAATT

+

FFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:2129:13584:15906_2:N:0:TCTGCAAG+GCTGCACT
CGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGTCAATTTACTCTGTACTTGATCTAC
GTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTT

+

FFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2540:21893:20212_2:N:0:TCTGCAAG+GCTGCACT
CTCACTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTT
CGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTC

+

FFFFFFFFFFFF:F:FFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1616:1452:13808_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGTTTTCTTCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCC
GTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACT

+

FF,FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFF,FFFFF

@A00721:190:HGJW7DSXY:4:1259:7066:19366_2:N:0:TCTGCAAG+GCTGCACT
CTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCC
GAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATAT

+

FFF
FFFFFFFFFFFFFFFFFFFFF:FFFFF::FFFFFFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2563:21549:7467_2:N:0:TCTGCAAG+GCTGCACT
AACTTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAAAT
TTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTC

+

F:FFFFFFFFFFFFFFFF:FFF::
FFFF:FF

@A00721:190:HGJW7DSXY:4:2471:16839:8077_1:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TAC

@A00721:190:HGJW7DSXY:4:1134:7636:8672_2:N:0:TCTGCAAG+GCTGCACT
GATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACTTACCATATTGTTCCCTTCCGGGAAGTT
GTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTT

+

FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFF:FF:FF

@A00721:190:HGJW7DSXY:4:1261:7798:32033_2:N:0:TCTGCAAG+GCTGCACT
CAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGA
GCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAA

+

FF:FFFF:F
FFFFFFFFFFFFFFFF:FF:

@A00721:190:HGJW7DSXY:4:2262:12011:30937_1:N:0:TCTGCAAG+GCTGCACT
GTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGA
GACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGAT
ATT

+

FF:FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2359:24180:25363_2:N:0:TCTGCAAG+GCTGCACT
ACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGG
AACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAA

+

FFFFFFFFFFFFFFFF:FF:FFFFFFF
FFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1526:16432:4523_1:N:0:TCTGCAAG+GCTGCACT
TTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCT
CTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGTTAGTTTGT
CCC

+

FFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2173:22010:10614_1:N:0:TCTGCAAG+GCTGCACT
TCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCAGAGATTGGGTATTCTCACAAAGATA
AGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTTG
GGG

+

FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFF:FFFFFFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:1265:4282:21120_1:N:0:TCTGCAAG+GCTGCACT
TGAGTTCCGAATAACTCGTAATAAATCTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAA
GAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTTCGTTCTCAATAAA
AAT

+

FF
FFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1312:13639:36573_1:N:0:TCTGCAAG+GCTGCACT
ATAAGGGCTATTAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTAC
GACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTCATA
TAG

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:2405:13069:33270_1:N:0:TCTGCAAG+GCTGCACT
GTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCA
TTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTA
CAC

+
FFFF:FFFFFF:F,FFFFFFF::FF:FFF:FFFFFF:F::F:FFFFF,:F:FFF:FFFFFFFFFFFFFFF,
F:FFFFFFFFF:FFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF::FFF:FFFFFFFFFFFF,FF:,F:
F:F

@A00721:190:HGJW7DSXY:4:2265:22598:11694_1:N:0:TCTGCAAG+GCTGCACT
CGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTA
CCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAG
GAT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2110:17463:10755_2:N:0:TCTGCAAG+GCTGCACT
ACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTC
CTCTTTGGTGATATCGCCTCTGTCTTTCTCCTTTAATCGTGAGGTTA

+
FF:F:F:FFFFF:FFFFFFFFF:F,FFFFFFFFF
FF:FF:FFFFFFFFFFFFFFFFF,FFFFFFFFF,FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2629:8115:32424_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTGCTGGATGGATCTTTTGATGGTATGTTTACATTGCGTGATCACTTCCCGTGGAC
TTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATG
ATG

+
FF,FFFFFFFFF
FFFFFFFFFFFFFFFFF:FFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2608:22544:17895_1:N:0:TCTGCAAG+GCTGCACT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTGCGGAAAAGAAAGTTTCAT
GAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAAC
GGA

+
FFFFF:FF:F
FFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2256:28971:16094_2:N:0:TCTGCAAG+GCTGCACT
TACCACAGAAACCGTCTCAGGAACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGG
GGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAA

+
FF:F:FFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2121:32108:32142_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGA
ACAAGCGAGCGGTTGAAGAGAAACTGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAG
ATC

+
FF,:FFFFFF,:F:FFF:FFFF::FFFF:FFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF

$+$ $+$

+

+

+

+

+

+

+

```
FFFF,F:FFF,FFFFFFFF::FFFFFFFF,FF,FFFFFFF:F:FF,FFFFFFFF,F,FF,FFFFFFFFFFFF
FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::F:FFFFFFF::
```

 $+$

+

+

+

+

+

 $+$

+

@A00721:190:HGJW7DSXY:4:2329:14073:3317_2:N:0:TCTGCAAG+GCTGCACT
GGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTTAAACCAT
TGTACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTC

+

FF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1627:18864:28870_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTTCAT

+

FFFFFFFFFFFF,FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
FF

@A00721:190:HGJW7DSXY:4:2445:6397:19147_2:N:0:TCTGCAAG+GCTGCACT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCG
ATACTTCTATCGTCTTACGTTACGTAATTACTATAGTGTATTATT

+

F:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFF:,FFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF,FFFF::F

@A00721:190:HGJW7DSXY:4:2349:17616:10958_1:N:0:TCTGCAAG+GCTGCACT
TTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACC
ACACAACCTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTT
CAA

+

FF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2448:30174:8187_2:N:0:TCTGCAAG+GCTGCACT
CGTCCTTTTCTGGAACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAA
ACTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGAGATCGG

+

FF,FFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1225:23348:8359_1:N:0:TCTGCAAG+GCTGCACT
AACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGAT
GTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATT
AC

+

FFFFF:FF
FF
FF

@A00721:190:HGJW7DSXY:4:1421:30915:8406_2:N:0:TCTGCAAG+GCTGCACT
AGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTATGAGGGTGTT
TCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAG

+

FFFFFFF:FFFFF:FF
FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1428:15275:22435_2:N:0:TCTGCAAG+GCTGCACT
GCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTA
AAGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAG

+

FF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2311:8124:15499_2:N:0:TCTGCAAG+GCTGCACT
TGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAAGTTCTAACCCAAAGAGAATATCTAAAAT

$+$

@A00721:190:HGJW7DSXY:4:2474:28863:1689_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1126:29243:7326_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2604:5213:36166 2:N:0:TCTGCAAG+GCTGCACT

 $+$

@A00721:190:HGJW7DSXY:4:1638:32606:6261 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2411:8576:10238 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2648:12183:9972 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1626:1325:8578 1:N:0:TCTGCAAG+GCTGCACT

+

FF
FFF

@A00721:190:HGJW7DSXY:4:2546:31331:26976_1:N:0:TCTGCAAG+GCTGCACT
TAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGAC
ACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGA
CAC

+

FFF:FFFFFF:FFFF:FFF:FFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1513:18448:28056_1:N:0:TCTGCAAG+GCTGCACT
GAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTA
GCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCAACCCGTTGATGC
TAT

+

FFFFF:F:FFF,F
FFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1369:1226:20055_2:N:0:TCTGCAAG+GCTGCACT
TATTCAAGCTTGTGCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAA
AGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATA

+

FFF:FFFFFFFFFFFFFFFFFFFFF,FFFFF
FFFFFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1230:1814:28025_1:N:0:TCTGCAAG+GCTGCACT
AGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTG
AAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGAC
GAT

+

FFF:FFFFFFFFF,FFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1264:6027:13056_2:N:0:TCTGCAAG+GCTGCACT
ATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATA
CATTATAAAATATAAAAAATAAGGGAGTCATAACTTTTGTACCAAATT

+

FFF:FFFFFFFFF,FFFF
F:FFF

@A00721:190:HGJW7DSXY:4:2336:29984:6073_2:N:0:TCTGCAAG+GCTGCACT
CGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGTCAATTTACTCTGTACTTGATCTAC
GTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTT

+

:FFFFFF:FFF,FFFFFFFFF:FFFFFF,FFFFFFF:
FFFFFFFFFFFFF,FFF:FFF

@A00721:190:HGJW7DSXY:4:1125:5385:7592_1:N:0:TCTGCAAG+GCTGCACT
CTCTATCGTTTTCTGCTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCG
TTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTTC
CGT

+

FFF,FF:FFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1241:14995:1971_2:N:0:TCTGCAAG+GCTGCACT
AGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTAT

+

@A00721:190:HGJW7DSXY:4:1517:1985:33959_2:N:0:TCTGCAAG+GCTGCACT
CTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCC
GAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACAT

+

@A00721:190:HGJW7DSXY:4:2656:15139:8703_2:N:0:TCTGCAAG+GCTGCACT
AACTTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAAT
TTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTC

+

@A00721:190:HGJW7DSXY:4:2607:15148:26788_1:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TAC

 $+$

@A00721:190:HGJW7DSXY:4:1409:12879:26991_2:N:0:TCTGCAAG+GCTGCACT
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCG

+

@A00721:190:HGJW7DSXY:4:2452:23439:18035_1:N:0:TCTGCAAG+GCTGCACT
AAACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACCTTTACATTTTTTAATGG
TATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCT
AGT

+

@A00721:190:HGJW7DSXY:4:2307:26738:2456_1:N:0:TCTGCAAG+GCTGCACT
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGA
AAAACCTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTA
TTG

+

@A00721:190:HGJW7DSXY:4:2264:17155:16767_1:N:0:TCTGCAAG+GCTGCACT
CTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGC
CGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTTGTATAAATTTATAT
GAT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1605:25455:24126_2:N:0:TCTGCAAG+GCTGCACT
GCTCCAACTGGCAGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGT
CTCTACGTTACAGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1627:22661:8422_2:N:0:TCTGCAAG+GCTGCACT
ACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGA
CGGCAGTCCCGTCATCTCTGTGGGAAGTACCTCAGTCAAA

+

FFFFFFFF,F:FFFF:FFFF::FF:F,F:FF,FFFF:FFFFFFFF:FFFF:FFFFFF,FFFFFFFF
FFFFFF:F:,FFFFFFFFFFFF,FFFFFFFF:FFFF,F:FFFFFF

@A00721:190:HGJW7DSXY:4:1504:6705:29011_2:N:0:TCTGCAAG+GCTGCACT
CACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGG
GAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGC

+

FFFFFFF,FFFFFFFFFFFF:FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2439:23077:22952_2:N:0:TCTGCAAG+GCTGCACT
TGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCA
AACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1503:10212:16924_1:N:0:TCTGCAAG+GCTGCACT
CTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCT
GAAGGCGGCTTGGGTCAATTAAGGGTAGCTGTAAAGTTGCGCTGCCGACCCCATCTTTGAGACCAAGA
CTC

+

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1322:16559:35556_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTCGCTACTGGCGACAACTGAGAG
CACTCGCTGGGGAAAGAGAATTGCGTGGGTGTAAGGCCGACGCTTCGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1331:28818:28354_1:N:0:TCTGCAAG+GCTGCACT
GTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTACCCTTAAGCACCGAGGTAAGCTCG
GGA

+

FFFF:FFFF,FFFF:FFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2440:25355:21355_1:N:0:TCTGCAAG+GCTGCACT
GATCTTGCAGAGTGAAGTTCAGACGTGTGCTCTTCCGATCTGTTAAACTCTTGCTCCTTCTGT
GGGTGAGGGTTTTTGTATATTACTGGTTCTGGGAGGCTGCTTCTCCATAATTACAACCTCTCTT
TAG

+

FFF,FF
FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF

$+$

@A00721:190:HGJW7DSXY:4:1217:22155:3286_2:N:0:TCTGCAAG+GCTGCACT
ATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGAT
TAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAG

+

@A00721:190:HGJW7DSXY:4:2502:31114:10848_2:N:0:TCTGCAAG+GCTGCACT
AGTTTTAGGAAGGCTCTAGAGAAGATCTCACCACCTGTAGAAGGCAAGTGGAGAGTCCAGAAGAAGAT
GAATAAGGATTATTTGAAGAAGGGGTTACCACTTCCTAAGGTGGATGA

+

@A00721:190:HGJW7DSXY:4:1144:18819:33802_2:N:0:TCTGCAAG+GCTGCACT
GATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTTACCATATTGTTCTTCCGGAAGTT
GTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTT

+

@A00721:190:HGJW7DSXY:4:1407:11704:21136_2:N:0:TCTGCAAG+GCTGCACT
CAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGA
GCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAA

+

@A00721:190:HGJW7DSXY:4:2456:22318:7138_1:N:0:TCTGCAAG+GCTGCACT
GTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGA
GACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGAT
ATT

+

@A00721:190:HGJW7DSXY:4:2375:3649:23375_2:N:0:TCTGCAAG+GCTGCACT
ACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGG
AACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAA

+

@A00721:190:HGJW7DSXY:4:2317:29360:6245_1:N:0:TCTGCAAG+GCTGCACT
TTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCT
CTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCGTCTTAGTTTGT
CCC

+

@A00721:190:HGJW7DSXY:4:2246:15872:18239_1:N:0:TCTGCAAG+GCTGCACT
TCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCCGAAGGATTGGGTTATTCTCACAAAGATA

AGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACTCTTG
GGG

+

FF:FFF,FFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1274:31295:6151_1:N:0:TCTGCAAG+GCTGCACT
TGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAA
GAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAA
AAT

+

:FFFFFFFF:FF:FFFF:FFFFFFFF
FFF:F:FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1657:29776:10410_1:N:0:TCTGCAAG+GCTGCACT
ATAAGGGCTATTAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTAC
GACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGAAAGTGATTCACCAAGATGTTCATA
TAG

+

FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1128:32624:10457_1:N:0:TCTGCAAG+GCTGCACT
AAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAA
ACTTAACGTTAGTACCGAGGTGATCTCTCTGCTTCTGCGTACTGAGAGAAAAGATTCAGGACGCCT
ACG

+

FFFFFFFFFFFFFFFF:FF:FFFFFFFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2152:15076:30733_2:N:0:TCTGCAAG+GCTGCACT
AACGAATCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTGAGATTG
AGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAA

+

FF:FFF
:FF

@A00721:190:HGJW7DSXY:4:2353:8865:11490_1:N:0:TCTGCAAG+GCTGCACT
AAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTCGAGGTTAGCTACGAGAGGTGATCC
CGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTG
AGA

+

F:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2222:30996:33912_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTCTTTTCAAAAATGCGGATGGGTCTACTGATGTTTCTACAGAGTGCAGTCGTTTCAACA
CTTATCACCACCTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGC
TCT

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1539:22064:1658_1:N:0:TCTGCAAG+GCTGCACT
GATTCTTAAAAGAAGTTTATTAAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAA

TAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAA
TCT

+

FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2434:24885:2754_1:N:0:TCTGCAAG+GCTGCACT
GGAGTGGCTAGGTTTTAAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTT
TCGACGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAA
AAT

+

FFF:FF,,F::FFFF:FF:FFFF:F:,,:F,FFFFFF,F,F,FFFF,FFFFFFFFFFFF:FFF:,FFF
FF,::FF,F,FFFF,FFFFFFFFFFFF:FFFF:F,FF:F:FFF:FF,FFFF,FFFF:FFFFFFFF,F
F:F

@A00721:190:HGJW7DSXY:4:2112:27896:7185_1:N:0:TCTGCAAG+GCTGCACT
GAGTGACTGGAGTTCAGACGTGTCTCTTCCGATCTGTTATAAACCTTCTTTTATCATTGCAACAGG
ACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGAAAT
ATG

+

F:FFF:FF:F:FF:FFF:FFFFFFFFFFFF::FF:FFFFFF:::F,F:FFFFFFFFFFFF:F:,F:F
:FFFFFFFF:FFFFFFFFFFFF,FFF,F::FF:FFF,F:FFFFFF,FFFFFFFF:F::FFF:F:FFF:F,F
,FF

@A00721:190:HGJW7DSXY:4:2434:4643:2707_1:N:0:TCTGCAAG+GCTGCACT
CGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTA
CCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAG
GAT

+

FFFFFFFFFFFFFFFFFFFF:FF:FFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2538:31946:32111_2:N:0:TCTGCAAG+GCTGCACT
ACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAATTTACAGTTC
CTCTTTGGTGATATCGCCTCTGTCTTTTCTCTTTAATCGTGAGGTTA

+

FF:FFFFFF:FFFFFFFFFFFFFFFF:
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2602:32714:7420_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTGATGGATGTATATTTTGATGGTATTTTTCACATTGCTTGATCACTTCCCGTGGAC
TTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATG
ATG

+

FFFF:,F:,,:FFF:,,:FFFF,F:,,:F:,FFF:F:F,FF,FF::FFF:,F,F,FF,,FFFF,FF,F,
F,FF,F::FFFFFFFF,,FFFF,FFF,FF:FFF,:FFFF::FFFFFFFFFFFF:F:FFFFFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2630:8540:21073_1:N:0:TCTGCAAG+GCTGCACT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCAT
GAGGATGTCTTGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAAC
GGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2267:31439:6433_2:N:0:TCTGCAAG+GCTGCACT
TACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGG

$+$

@A00721:190:HGJW7DSXY:4:2160:11134:11506_1:N:0:TCTGCAAG+GCTGCACT
TTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGA
ACAAGCGAGCGGTTGAAGAGAAAACGTATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAG
ATC

+

@A00721:190:HGJW7DSXY:4:2178:22318:7451_2:N:0:TCTGCAAG+GCTGCACT
AGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATA
GTATTTATCGGAGTGATATTAACAAGTTAACTTCGAACCTGACCACTT

+

@A00721:190:HGJW7DSXY:4:2304:29894:15248_2:N:0:TCTGCAAG+GCTGCACT
CCACTGAAC TTATAGCGACTTTTGT CGAATTTTCGCAAAGGTCTTGAAGTACGTATTGCTACTGCT
AATCGTAATTCGCGAGAAGAGCAGATCGGAAGAGCGTCGTGTAGGGAA

+

@A00721:190:HGJW7DSXY:4:1362:23701:10567_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA

+

@A00721:190:HGJW7DSXY:4:1526:25265:1814_1:N:0:TCTGCAAG+GCTGCACT
ATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATT
GATCTCCAAGTCGCAAACACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAG
TCT

+

@A00721:190:HGJW7DSXY:4:1613:19633:9345_2:N:0:TCTGCAAG+GCTGCACT
TGCCCCGGCCGACGTTTGTCTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCTGCTTGTAATTC
GAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTT

+

@A00721:190:HGJW7DSXY:4:2560:24695:4930_2:N:0:TCTGCAAG+GCTGCACT
AAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAG
ATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAG

+

@A00721:190:HGJW7DSXY:4:2523:16712:16532_2:N:0:TCTGCAAG+GCTGCACT
AGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAAC
CACCTTAACGTCACCTCGGTAATCTTTAGCCGAATTAAGTACTAATGA

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2219:9778:32737_2:N:0:TCTGCAAG+GCTGCACT
AAGGCTAATACCTTTATAGGTAAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAgctgtatcatca
GTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2338:11071:16783_2:N:0:TCTGCAAG+GCTGCACT
TCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTGA
ATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1618:24713:7999_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCAGTGA
CGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTA
+
FFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFF:F:FFFFF:F:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFF:F:FFFFF,
@A00721:190:HGJW7DSXY:4:2558:9824:24580_2:N:0:TCTGCAAG+GCTGCACT
CCAGGAGTATCCATAACGATTTGTcatttaccacctttgctcaacgacgaagtggaaacgccaacact
TTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2128:14100:13448_1:N:0:TCTGCAAG+GCTGCACT
CGATATTCGATTGAGGGTCGTTATACCTATTcgcctatctgtgctttgaattgtataagatcaaattt
TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGA
AAA
+
::FFFFFFFF:FF:FFFFFFFF:FFFFF,FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1310:19289:6026_2:N:0:TCTGCAAG+GCTGCACT
CGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGG
TAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGT
+
FFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:F,:FFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF,FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1635:6858:18912_1:N:0:TCTGCAAG+GCTGCACT
TGACGATCATTAAAGACTCTCTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTTCCTCATCAGCTTGT
GTTTTACCTAATCTGTGTTTTTACGATAAACAACTATCAGTTGATTAAAGACTCTTCCGAAAGGCCAACT
TTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2628:21866:33786_2:N:0:TCTGCAAG+GCTGCACT
GGGTGAAGCACAAcGTTTGACCGTGACGAActGTGGTGTTCCTTGATCTACGTTACGGATATACTCTCC
TTGAGTTCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:F

```

@A00721:190:HGJW7DSXY:4:1452:13801:28056_2:N:0:TCTGCAAG+GCTGCACT
ATCACTCATTTTTAGTGAGATTATTAACAAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTTCGAA
TAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2453:12798:16078_2:N:0:TCTGCAAG+GCTGCACT
TGTCTGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAA
TCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2443:21097:25034_2:N:0:TCTGCAAG+GCTGCACT
GGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTAACCAT
TGTACGATGTCGTCTGTCTCGCGCATCACTTTTCTACTAAGAATTGGTC

+

F:FF
,FFFFFFF::FFFFFFFFF:FFFF:FFFF,,FFFFFF:FFF,FF::FF

@A00721:190:HGJW7DSXY:4:1663:14416:21668_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTTCAT

+

FF:FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:2477:26585:11209_2:N:0:TCTGCAAG+GCTGCACT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCG
ATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2163:6750:9079_1:N:0:TCTGCAAG+GCTGCACT
GGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACA
ACTTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATA
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2448:30481:7467_2:N:0:TCTGCAAG+GCTGCACT
CGTCCTTTTCTGGAACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAA
ACTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGAGATCGG

+

FF
FFFFFF:FF:F:FFFF:FFFF

@A00721:190:HGJW7DSXY:4:1126:13810:12696_1:N:0:TCTGCAAG+GCTGCACT
AACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGAT
GTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATT
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1566:17933:24565_2:N:0:TCTGCAAG+GCTGCACT
AGGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTATGAGGGTGT

TCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAG
+
FFFFFFFFFFFFFFFF:FF
FF,FFF:FF
@A00721:190:HGJW7DSXY:4:1625:22869:31986_2:N:0:TCTGCAAG+GCTGCACT
GCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTA
AAGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAG
+
FF
FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2505:10194:35336_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAAT
ATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGT
+
FF
FFFFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFF:FFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2577:1533:35650_1:N:0:TCTGCAAG+GCTGCACT
TGGCACTACCTCGGTACAATCTTACTTGGAACGAAGCGACCTGTTCCGGAGTTTTTACGGGATCCGG
AATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCCGAGTTTCGTTTC
GTA
+
FFF:,FF,FFF:F,FFFFFFFF:,F:FFFF:FF,FFF:FFFFFFFFFFFFFFFFFFFF:FFFFF
:FFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFF:,FFFF:,FFFFF:F,:FFFFFFFF
:FF
@A00721:190:HGJW7DSXY:4:1260:2410:8328_1:N:0:TCTGCAAG+GCTGCACT
ATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATTTTAATATAAAGAATCTT
TACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTG
TTG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2605:1913:1924_2:N:0:TCTGCAAG+GCTGCACT
AACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAG
GGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACG
+
FF,FFFFFFFF:FF,FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FFFFFFFF:F:FFFFFFFFFFFFFFFF:FF,
@A00721:190:HGJW7DSXY:4:2246:8350:30671_1:N:0:TCTGCAAG+GCTGCACT
CTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGT
CCTTCCGTAACCACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTC
TGT
+
FF
FF:FFF,,FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2414:26784:23265_2:N:0:TCTGCAAG+GCTGCACT
ATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGA
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTC
+
,FFF:F,FFFFFFFF:FFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2516:9932:30373_1:N:0:TCTGCAAG+GCTGCACT
TCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGATTACA

CGGTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTATTAAGGTGAGGAGA
CC

+

FFF,,F:FFFFFF,FFFFFF,F:FFFFFFFFFFFFFF,FF:FFFF:F:FFFF:F:,FFFFFFF,
FFFF,FF::F:,F:FFFF:FFFF:FFF:F,F:,F,FFFF:FFFFFFFF:,F:FF,,F:FFF,FF:F,
,F

@A00721:190:HGJW7DSXY:4:2111:15438:15734_1:N:0:TCTGCAAG+GCTGCACT
AACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAAATAAATAATATTA
ATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAG
AAT

+

FF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1160:19081:23985_1:N:0:TCTGCAAG+GCTGCACT
TTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAATGAAGGACACTTC
GAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTA
TAC

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1525:2456:21684_1:N:0:TCTGCAAG+GCTGCACT
GAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTACCACCAAATTCTTTTGATACAACCTA
GCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGC
TAT

+

FF:
FF
FFF

@A00721:190:HGJW7DSXY:4:1407:11749:20744_2:N:0:TCTGCAAG+GCTGCACT
TATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAA
AGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATA

+

FF:
FF

@A00721:190:HGJW7DSXY:4:1271:26205:14904_1:N:0:TCTGCAAG+GCTGCACT
AGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTG
AAGAGTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGAC
GAT

+

FF:
FF
FFF

@A00721:190:HGJW7DSXY:4:1654:29785:28213_2:N:0:TCTGCAAG+GCTGCACT
ATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGATGCAGATCGCCACTCCAAACACTATATA
CATTATAAAATATAAAAAATAAGGGAGTCATAACTTTTGTACCAAATT

+

FF:
FF

@A00721:190:HGJW7DSXY:4:2445:24858:1673_2:N:0:TCTGCAAG+GCTGCACT
CGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCAATTTACTCTGTACTTGATCTAC
GTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTT

+

FF
FF:FFF
@A00721:190:HGJW7DSXY:4:1202:23547:33630_1:N:0:TCTGCAAG+GCTGCACT
CTCTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCG
TTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTTC
CGT
+
FFFF:FF,FFFFFFFFFFFFFFFFFFFF::FFF,FFFFFFFFFFFFFFFFFFFF::F:FF,FFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1241:15591:1188_2:N:0:TCTGCAAG+GCTGCACT
AGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTAT
GAATCCTGCCAGATCGGAAGAGCGTCGTGTAGGGAAGAGTGTAGTGG
+
FF:FFFFFFFFFFFF::FFF,FFFFFFF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFF,F,FFFF,FF:FFF:FFFF,
@A00721:190:HGJW7DSXY:4:1613:7609:19617_2:N:0:TCTGCAAG+GCTGCACT
CTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCC
GAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACAT
+
FF:FFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF:FFF,FFFF
@A00721:190:HGJW7DSXY:4:2607:15148:26788_2:N:0:TCTGCAAG+GCTGCACT
TTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTTAGAAC
TTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGA
+
FF,FF:FFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2508:18123:19570_2:N:0:TCTGCAAG+GCTGCACT
TAAATAGTGATATTACGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAGTTGGAAGAGGTCTATGATATTTATTTACTTATACTTTAAATAGC
+
FF:FFFFFFFFFFFF
FFFFFFFFF::FF
@A00721:190:HGJW7DSXY:4:1639:18593:28338_2:N:0:TCTGCAAG+GCTGCACT
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCG
+
FFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFF
:FFFFFFFFFFFFFFFFFFFFF:,FFFFFFFFF:FFF::F,FFFFFF:
@A00721:190:HGJW7DSXY:4:2577:25455:31078_1:N:0:TCTGCAAG+GCTGCACT
AACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTCTTAATATTCTA
GT
+
FF,FFFFFFFFF
FF
FF
@A00721:190:HGJW7DSXY:4:2463:6099:17315_1:N:0:TCTGCAAG+GCTGCACT
TTACTAGGTTTTATCACACTCCTAAATTTGTTAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGA
AAAACCTCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTA
TTG
+
FF:FF,FF,FFFFF,F,FFFFFFFF,,FF,,FFF,,FFFFFFFF:FFF,F,FF,FF,F,F,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2366:21151:6370_1:N:0:TCTGCAAG+GCTGCACT
CTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGC
CGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTTGTATAAATTTATAT
GAT

[illegible]

@A00721:190:HGJW7DSXY:4:1616:15655:14450_2:N:0:TCTGCAAG+GCTGCACT
GCTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGT
CTCTACGTTACAGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGA

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F:FFF:FF
```

@A00721:190:HGJW7DSXY:4:2354:8748:25755_2:N:0:TCTGCAAG+GCTGCACT
ACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGA
CGGCAGTCCCCTCATCTCTGTGGGAAGTGGGAGTACCTCAGTCAA

[illegible]

@A00721:190:HGJW7DSXY:4:1549:21612:10958_2:N:0:TCTGCAAG+GCTGCACT
CACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGG
GAGGTACTGAAGCCTTCCCCTCCGCTGGCAGGAAGAACTCCCAAGC

[illegible]

@A00721:190:HGJW7DSXY:4:2452:3857:16407_2:N:0:TCTGCAAG+GCTGCACT
TGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCA
AAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGA

[illegible]

@A00721:190:HGJW7DSXY:4:1656:13883:34773_1:N:0:TCTGCAAG+GCTGCACT
CTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCAAAGAGGCCGCTGCTACGAAGTCGCT
GAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGA
CTC

[illegible]

@A00721:190:HGJW7DSXY:4:1359:7817:9518_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACCTGAGGACGAAGGTGAGAGGACTTTTCGCTACTGGCGACAACTGAGAG
CACTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGA

```

+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFF,FF:FF:FFFF,FFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1348:20654:27774_1:N:0:TCTGCAAG+GCTGCACT
GTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCCTAAGCACCGAGGTAAGCTCG
GGA

```

+
FFFFFFFF:FFFFFFFFFFFFFF, :FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

FF
FFF

@A00721:190:HGJW7DSXY:4:1124:11324:13620_1:N:0:TCTGCAAG+GCTGCACT
TCTCACTATTTTTGCCCAGAATGCGGGCCTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGG
GTGAGGGTTTTTGTATATTCACTGGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTA
GAG

+

F:F:FFFFFFFFF,,FFFF,:FFFF:, ,FFFFFFF,FFFFFFF,:F:F::FFFFF:FF,FFFF:, :F
FFFFFFFF:FFFFFFFFF,FFFF,: :FFFF::F:FFFFFFFF:FF:F,FFFFFF:F:F,F,FFFF,
:FF

@A00721:190:HGJW7DSXY:4:2671:21305:15781_2:N:0:TCTGCAAG+GCTGCACT
TTGGGCAAATTCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTCTTTCTCCGTCA
TTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCA

+

FFFFFFFFFFFFFFFF:FFF:
F:FFF

@A00721:190:HGJW7DSXY:4:1269:2745:22404_2:N:0:TCTGCAAG+GCTGCACT
ATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGAT
TAAGAGTCCAGCTGTAAGTGCATTTAGAGAGGGGAGCTCTGAAAAG

+

FFF:
FFF: :FFF

@A00721:190:HGJW7DSXY:4:2634:20681:8437_2:N:0:TCTGCAAG+GCTGCACT
AGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGAT
GAAGAAGGATTATTTGAAGCAGGGGTACCACTTCTAAGGTGGATGA

+

FFF:F:FFF:FFFFFFFFFFFF:FF
FFFFFFFFFFFFF:FFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1325:18032:34569_2:N:0:TCTGCAAG+GCTGCACT
GATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTTACCATATTGTTCTTCCGGGAAGTT
GTGGGATTTAACTTTGACTCACTACTCCGATCAGATCCGGATGGTTT

+

FFF:FFF:FFFFFFFFF::FFFFFFFFFFFF:FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF:FFFF
FFFF:FFF:FFFF,F

@A00721:190:HGJW7DSXY:4:1535:18032:19288_2:N:0:TCTGCAAG+GCTGCACT
CAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGA
GCCGTTTTGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAA

+

FFF,FFFFFFFFFFFFFFFFF:FFFF
:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1622:16025:33285_1:N:0:TCTGCAAG+GCTGCACT
AGAATTGCGGTTGAAGTTCACCATTTCTATCTTGAATGCTCACGCCGTCGAGCCATATCGAGACTAT
GTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGT
TTT

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2414:12762:17080_2:N:0:TCTGCAAG+GCTGCACT
ACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGG
AACGTACCTACTCACGAGACGTCATGAAAGCTATCGAGAGGAAGCAAA

+

FFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2418:30300:27915_1:N:0:TCTGCAAG+GCTGCACT
TTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCT
CTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGT
CCC

+

FFFFFFF,FFFFFFF:FFFFFFF:FFFFFFF:F:FFFFFFF,FFFF::FFFFFFF:FFFFFFF,FF
FFFFFFF,FFFFFF,FF:FFF::
:FF

@A00721:190:HGJW7DSXY:4:2253:31620:6057_1:N:0:TCTGCAAG+GCTGCACT
TCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTATTCTCACAAAGATA
AGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTTG
GGG

+

FFF
FFF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1316:1515:31673_1:N:0:TCTGCAAG+GCTGCACT
TGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTGAGAATACCTATTTCCGTACCAA
GAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTTCGTTCTCAATAAA
AAT

+

FFFFFFFFFFFFFFFFFFFF,FFFFFF::FFFFFFFFF:F:FFFFFF:FF:FFFFFFFFFFFFFFFFFFFF
:FFFFFF,FFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFF:FFFF:FFFF::
FFF

@A00721:190:HGJW7DSXY:4:1115:10872:33473_1:N:0:TCTGCAAG+GCTGCACT
AAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGA
CATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGAAAGTGATTCACCAAGATGTTTCATATA
GAT

+

:FF:F,FFFF:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:::F
FFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1223:28628:34194_1:N:0:TCTGCAAG+GCTGCACT
AAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAA
ACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCT
ACG

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1130:3025:37012_2:N:0:TCTGCAAG+GCTGCACT
ATCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTGAGATTGAGAAG
ATTGAAGAACACGTCAAGAAGTCGCTCGCGTTGTTCTTGAAAACCAA

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:2155:24352:5776_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

+

FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2604:18195:20791_2:N:0:TCTGCAAG+GCTGCACT
AAACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAG
ATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAG

@A00721:190:HGJW7DSXY:4:2531:20066:3583_2:N:0:TCTGCAAG+GCTGCACT
AGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAAC
CACCTTAACGTCACCTCGGTAATCTTTCAGCCGAATTAAGTACTAATGA

@A00721:190:HGJW7DSXY:4:2273:26377:14544_2:N:0:TCTGCAAG+GCTGCACT
AAGGCTAATACCTTTATAGGTAAGAATCCCCTTGAGACGCGTAGTCAGCGCGTTTAGCTGTATCATCA
GTCAGAGTATACCCGATAGGTTACCGAGTCTCAAAGAGAATATTTATT

@A00721:190:HGJW7DSXY:4:2338:7835:6511_2:N:0:TCTGCAAG+GCTGCACT
TCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCA
ATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGA

@A00721:190:HGJW7DSXY:4:1639:15393:27618_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTATGTATACAGAGATGACCATTGA
CGATTTCTCCCGGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTA

@A00721:190:HGJW7DSXY:4:1124:22327:6120_1:N:0:TCTGCAAG+GCTGCACT
CAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTT
TCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCT
GTG

@A00721:190:HGJW7DSXY:4:2224:32895:37012_1:N:0:TCTGCAAG+GCTGCACT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCANATTT
TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGNATCCCGACCTTTCCTTGTGA
AAA

@A00721:190:HGJW7DSXY:4:1449:10004:30373_2:N:0:TCTGCAAG+GCTGCACT
CGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGG
TAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGT

[illegible]

@A00721:190:HGJW7DSXY:4:2204:7238:29183_1:N:0:TCTGCAAG+GCTGCACT
TGACGATCATTAAGACTCTCTTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCATCAGCTTGT
GTTTTACCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGCGAACT
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2628:22417:33270_2:N:0:TCTGCAAG+GCTGCACT
GGGTGAAGCACAACTTTGACCGTGACGAACGTGGTGTCTTGATCTACGTTACGGATATACTCTCC
TTGAGTTCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2133:18150:20964_2:N:0:TCTGCAAG+GCTGCACT
ATCACTCATTTTAGTGAGATTATTAACAAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAA
TAGAGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATT

+

F,FFF:FFFF::FFF:F,F:,F:FFFFFFFFF,:FFF:FF,FFFF:FFFFFF:FF:FFF,FFFFFFF
,FF,:F,FFFF:,F,FFF:,F,F:FF,FFFF,:::,F,FFFF,FF,F

@A00721:190:HGJW7DSXY:4:2521:5891:4617_2:N:0:TCTGCAAG+GCTGCACT
TGTCTGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAA
TCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATG

+

FF
,:FF

@A00721:190:HGJW7DSXY:4:1468:24930:6746_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGCTAAATTAACCAATTGTACGATGTCGTCTGTCTCGCGATCACTTTTCTACTAAGAATTGG
TCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTG
TTA

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1674:28257:25786_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1165:25382:13009_1:N:0:TCTGCAAG+GCTGCACT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCG
ATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTT
GGA

+

F:FFFFFFFF::FF:FFFFFFFF,FF
FFF:FFFFFF:FFFFFF,FFFF,FFFF::FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1125:31358:13307_1:N:0:TCTGCAAG+GCTGCACT
TGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAACTTTTCAGTTT
CACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTT
GAA

+

FFFFFF,F,FFF:FFFFFFFF:FFF,FF:FF:F:,F,FF:F:FFF,FF:FFF:FFF:FFF:FFF::FFF

F::FFFFFFFFFFFFFFFF:FFFFFFFF:, :FFFFFF, FFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1554:20627:10723_1:N:0:TCTGCAAG+GCTGCACT
CCTTTTCTGGAACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAAC
TACCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTA
AAG

+

:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFF: :FFFFFFFFFFFFFFFF:FFF:FF
FFFFFFFFFFFFFFFF:FFF, FFFFFFFFFF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1136:12084:4319_1:N:0:TCTGCAAG+GCTGCACT
GTAATTACACCTAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTCTGCTACTTTAAC
GGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAG
CTC

+

FFFF:FFFFFFFF:FF
FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1566:18014:24424_2:N:0:TCTGCAAG+GCTGCACT
AGGCTAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGATGAGGGTGTT
TCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAG

+

FF
FFFF:FF:FFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1660:27995:15969_2:N:0:TCTGCAAG+GCTGCACT
GCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTA
AAGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAG

+

FFF:FFFF, FFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFF:F:, FFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1478:32533:3881_2:N:0:TCTGCAAG+GCTGCACT
GTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAAGTTCTAACCCAAAGAGAATATCTAAAATAT
TTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTG

+

FF
FFFF:FFFFFFFFFFFFFFFFFFFF, F:FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1140:9444:18975_1:N:0:TCTGCAAG+GCTGCACT
GGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGA
ATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCG
TAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1424:4481:25911_1:N:0:TCTGCAAG+GCTGCACT
ATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATTTTAATATAAAGAATCTT
TACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTG
TTG

+

FFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1166:10664:29512_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGG

GACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCA
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2355:7636:15060_1:N:0:TCTGCAAG+GCTGCACT
CTATTATTGATTTTTATGAGATTGATACGTTAACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGT
CCTTCCGTAACCAACTTCTTGACAATTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTC
TGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2448:11189:29262_2:N:0:TCTGCAAG+GCTGCACT
ATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCTACGA
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTC

+

FFFFFF:FFFFFFFFFFFFFFFFFFFF,FF
FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1427:5303:26240_2:N:0:TCTGCAAG+GCTGCACT
CAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACAC
GGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTATTA

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:,FFF:FF:FFFFFFFFFFFF,FFFF:FFFFF
FF:FFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2220:26015:14763_1:N:0:TCTGCAAG+GCTGCACT
AACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAATATTACTA
ATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTGAGTGCTGCTTTGGATTACGATGACGTGAG
AAT

+

FF:FFFFFFFFFFFFFF:FFFFFFFFFFFF,FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1443:27905:4257_1:N:0:TCTGCAAG+GCTGCACT
TTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTACCCAAAATGAAGGACACTTC
GAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAGGCTCTAAAGGACACTA
TAC

+

F,FFFFFFFFFFFFFF:FFF
:FFF
,FF

@A00721:190:HGJW7DSXY:4:1603:3929:34413_1:N:0:TCTGCAAG+GCTGCACT
GAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATCTTTTGATACAACCTA
GCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCAACCCGTTGATGC
TAT

+

FFFFF:F,FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1436:31123:18505_2:N:0:TCTGCAAG+GCTGCACT
TATTCAAGCTTGTGCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAA
AGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2113:16812:20556_2:N:0:TCTGCAAG+GCTGCACT
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCG

@A00721:190:HGJW7DSXY:4:1228:1208:17550_1:N:0:TCTGCAAG+GCTGCACT
AAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAA
ACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCT
ACG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2455:22652:14794_2:N:0:TCTGCAAG+GCTGCACT
ATCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGTCTCTAAATCTTTTGAGATTGAGAAG
ATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2206:10285:28729_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAGTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2440:7003:8171_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTCTTTTTCAAATAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACA
CTTATCACCCTTTTGAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGC
TCT

+

FF
F:FFFFF:FFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2173:13386:36198_1:N:0:TCTGCAAG+GCTGCACT
GATTCTTAAAAGAAGTTTATTAATACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAA
TAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAA
TCT

+

F,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1228:10936:36338_1:N:0:TCTGCAAG+GCTGCACT
TGGCTAGGTTTTAAAGATCCTGTGCACAAGCAATACCTTCCACTGAGTTCATCACCAGAGTTTCGA
CGTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATT
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1625:14434:21981_2:N:0:TCTGCAAG+GCTGCACT
CAGTACAGGGAGGAGGTAATAGTTATAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTG
TTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTACACTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2553:9046:17816_1:N:0:TCTGCAAG+GCTGCACT
CGCCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTA

CCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAG
GAT

+

FFFFFFFFFFFFFF:FFFFFFFF:FF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2633:19587:15718_2:N:0:TCTGCAAG+GCTGCACT
ACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTC
CTCTTTGGTGATATCGCCTCTGTCTTTCTCCTTTAATCGTGAGGTTA

+

FFFF:F,FF:FFF
FFFF,FFF:F:FFFFFFFFFFFFFF:FFF:F:FFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2171:14055:27524_1:N:0:TCTGCAAG+GCTGCACT
GTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACT
TGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGA
TGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2630:8757:21699_1:N:0:TCTGCAAG+GCTGCACT
CACAAGGATTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCAT
GAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAAC
GGA

+

::FFFF:FF
FF,FFFF
FFF

@A00721:190:HGJW7DSXY:4:1335:11207:17487_1:N:0:TCTGCAAG+GCTGCACT
AGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTG
AGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCT
AAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1168:3486:36777_1:N:0:TCTGCAAG+GCTGCACT
AGACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAG
AGAAAAGTATGATTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACC
ACT

+

FF
FFFFFFFFFF:FF,FF
FFF

@A00721:190:HGJW7DSXY:4:1605:14959:9706_2:N:0:TCTGCAAG+GCTGCACT
TAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAGTATTTATC
GGAGTGATATTAACAAGTTAACTTCGAACTGACCACTTACAAGAGTG

+

FFFFFFFFFFF:F,FF
FF:FFFFFFFFFFFFFFFF::FFFF:FFFFFFFFFF,F:FFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2622:30318:35931_2:N:0:TCTGCAAG+GCTGCACT
CCACTGAACTTATAGCGACTTTTGTGCAATTTTCGAAAAGGTCTTGAAGTACGTATTGTCACTGCT
AATCGTAATTCGCGAGAAGAGCAGATCGGAAGAGCGTCGTGTAGGGAA

+

FF
FF
@A00721:190:HGJW7DSXY:4:1441:15040:30295_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA
+
FF:
FFFFFFFFFFFFFFFF,FF:
@A00721:190:HGJW7DSXY:4:2462:13874:4131_1:N:0:TCTGCAAG+GCTGCACT
ATCTACTTAAGGCGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATT
GATCTCCAAGTCGAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAG
TCT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1253:24858:7404_1:N:0:TCTGCAAG+GCTGCACT
GCCCCGCCGACGTTTGTGCGGAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCTG
AGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAA
ATA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1334:1217:33630_1:N:0:TCTGCAAG+GCTGCACT
AACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCACGTTTAGCACGGGAGGTTGCAGA
TTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAG
AGG
+
F:FF:FFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1541:1362:29716_2:N:0:TCTGCAAG+GCTGCACT
ACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGCA
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGA
+
FF
:FF
@A00721:190:HGJW7DSXY:4:2327:1805:1673_1:N:0:TCTGCAAG+GCTGCACT
AAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTACAACGGAAAGACATATCGCACCC
GAAATTTTTGGGCAGAATGCTCTTAACGCGTTCTTGAACGGTGTTTTGATCAGTCTAAGTTGGATAA
+
F:FF::FFFFFF:FFFF:F,FFFFFFFFFFFF::FF:FFFF,::FF:,,,F,,FFFF,F,FFF::F,FF
FFFFFFFFF,:F,FFF:FFF,FFFF,FFF:FFFFFFFF::,FFFFFFFFFFFF::FFFFFFFFF,,FFFF
@A00721:190:HGJW7DSXY:4:2560:24288:25019_2:N:0:TCTGCAAG+GCTGCACT
TCAATTGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCA
ATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2212:17436:7044_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCAAGTGA
CGATTTCTCCCGGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTA
+

FF
FFFFF:FF
@A00721:190:HGJW7DSXY:4:1336:16251:8782_1:N:0:TCTGCAAG+GCTGCACT
CAGGAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTT
TCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCT
GTG
+
FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2326:32226:5791_1:N:0:TCTGCAAG+GCTGCACT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTT
TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGA
AAA
+
FF:FF:FFFFFFFFFFFFFFFF:FFFFF:FF::FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
:FF:FF
FFF
@A00721:190:HGJW7DSXY:4:1528:32859:30718_2:N:0:TCTGCAAG+GCTGCACT
CGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGG
TAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2215:16071:3270_1:N:0:TCTGCAAG+GCTGCACT
TGACGATCATTAAGACTCTTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTTCCTCATCAGCTTGT
GTTTTACCTAATCTGTGTTTTTACGATAACAACTATCAGTTGATTAAGACTCTCCGAAAGGCGAACT
TTG
+
FFFFFFFFFFFFFFFF:FF
F:FF
FFF
@A00721:190:HGJW7DSXY:4:2664:3613:23187_2:N:0:TCTGCAAG+GCTGCACT
GGGTGAAGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTCTCC
TTGAGTTCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFF:FFFFFFFFF,FFFFFFFF
FFFFF,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:F,:FF:FFFF,
@A00721:190:HGJW7DSXY:4:2154:20763:16501_2:N:0:TCTGCAAG+GCTGCACT
ATCACTCATTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAA
TAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2533:28402:9001_2:N:0:TCTGCAAG+GCTGCACT
TGTCTGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAA
TCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATG
+
:,:F,FFFFFFFFF,FFFFF:FF,FFFFFF,FFFFFF:FFFFFF,FFFF:,FFFFFF:,F:F,FF
F:FF:, :FFF,FF:F:FFF:FF:,FFFFFF:FFFFFF,,FFFF:::
@A00721:190:HGJW7DSXY:4:1551:18069:4382_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGCTAAATTAACCATTTGTACGATGTCGTCTGTCTCGCGATCACTTTTCTACTAAGAATTGG
TCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTG
TTA

[illegible]

@A00721:190:HGJW7DSXY:4:1510:16125:31704_2:N:0:TCTGCAAG+GCTGCACT
GTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATAT
TTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1352:31774:16219_1:N:0:TCTGCAAG+GCTGCACT
GGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGA
ATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCACCGAGTTTCGTTTCG
TAC

+

FFFFFFFFFFFF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1424:5276:26913_1:N:0:TCTGCAAG+GCTGCACT
ATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGATTTTAATATAAAGAACTCT
TACCAGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTG
TTG

+

FF
,FF
FFF

@A00721:190:HGJW7DSXY:4:1369:9399:22968_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGG
GACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCA
CTC

+

FFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1567:14290:23171_1:N:0:TCTGCAAG+GCTGCACT
ACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTT
CAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCA
CTA

+

FFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF::FFFF,FFFFFFFFFFFFFFFF,,:
FFFFFF:FFF,F:FF:FFFFFF:FFFFFF:F:FFF,:FFFF:FFFFFFFFFFFFFFFF:FFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2448:14832:28119_2:N:0:TCTGCAAG+GCTGCACT
ATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGA
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1443:30861:1204_2:N:0:TCTGCAAG+GCTGCACT
CAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACAC
GGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTATTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2438:31557:15687_1:N:0:TCTGCAAG+GCTGCACT
AACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTATTATAATAAATAAATAAATAATATTACTA
ATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTTCGAGTGCTGCTTTGGATTACGATGACGTGAG
AAT

+
FF,FFF,FFFFFF::FF:F:FFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1659:2962:11036_1:N:0:TCTGCAAG+GCTGCACT
TTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTC
GAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTA
TAC
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2124:27001:31125_1:N:0:TCTGCAAG+GCTGCACT
GAGGATATTGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTA
GCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCAACCCGTTGATGC
TAT
+
:FFFF,:::,FF,FFFF::FFFFFFFFFFFFFF,F:F:FF,FFF,:F:, :FFF,FFFFFFFF,FF,F:F:
F,FFF:,FFFFFF:FFFFFFFFFFFFFF,FFFF::FFFF,F,:F,F::FFFF:FFFF:FFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:1654:7301:1454_2:N:0:TCTGCAAG+GCTGCACT
TATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAA
AGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATA
+
FFFFFFFFF:FFFFFFFF,:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:F::FFF:FFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1534:8106:3129_1:N:0:TCTGCAAG+GCTGCACT
AGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTG
AAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGAC
GAT
+
FFFFFFFFF:FF:FFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2224:10339:10911_2:N:0:TCTGCAAG+GCTGCACT
ATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATA
CATTATAAAATATAAAAAATAAGGGAGTCATAACTTTTGTACCAAATT
+
FF
FFFFFF:FF
@A00721:190:HGJW7DSXY:4:1267:18376:19852_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTAC
GTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATT
TA
+
FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2348:28989:21104_1:N:0:TCTGCAAG+GCTGCACT
CTCTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCG
TTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTTC
CGT
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFF:F:FFF,FFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1456:13458:25895_2:N:0:TCTGCAAG+GCTGCACT
AGAGATCATCCGAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTAT
GAATCCTGCCAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGTAGTGC

```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1253:1099:36119_2:N:0:TCTGCAAG+GCTGCACT
CCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTTCGACAAATTTTAGAACTT
TATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC

```

```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1222:1108:8390_1:N:0:TCTGCAAG+GCTGCACT
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAA

```

```
+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1511:32334:11772_2:N:0:TCTGCAAG+GCTGCACT
GAAATTTTtagAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTA
CTATCGCCTTTATTGAAAATTGTATAAGATTTAATTGCTTACACAAAA
```

[illegible]

@A00721:190:HGJW7DSXY:4:2611:3061:11710_2:N:0:TCTGCAAG+GCTGCACT
ACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGA
CGGCAGTCCCGTCATCTCTGTGGAACTGAGGCAGTACCTCAGTCAAA

+

FFFFFF:F,FFFFFFFF:FFFFFFFFFFFFFF,FF:FFFFFFFF:FFFFFFFF,FFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFF:FFF

@A00721:190:HGJW7DSXY:4:1627:23303:25911_2:N:0:TCTGCAAG+GCTGCACT
CACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGG
GAGGTACTGAAGCCTTCCCTCCGCTGGCACGAAGAACAACCTCCCAAGC

+

FF,FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2545:3893:7012_2:N:0:TCTGCAAG+GCTGCACT
TGACCAGAAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCA
AAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2420:23149:6981_1:N:0:TCTGCAAG+GCTGCACT
CTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCT
GAAGGCGGCTTGGGTCAATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGA
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1456:11107:33098_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAG
CAGTCGCTGGGGAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGA

+

F:FFF:FF,FFFFFF
FFFFFF:FFFFFFFF:FFF:FFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1664:24279:6840_1:N:0:TCTGCAAG+GCTGCACT
GTCAACGGCGTTTGGAGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCG
GGA

+

FFFFFFF:F:FFFFFFFF,FF:FFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1329:28248:7733_1:N:0:TCTGCAAG+GCTGCACT
TCTCACTATTTTTGCCAGAAATGCGGGCCTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGG
GTGAGGGTTTTTGTATATTAATCACTGGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTTTA
GAG

+

FF:FFF:FFFFFFFFFFFFFFFF
FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2630:10728:4664_2:N:0:TCTGCAAG+GCTGCACT
AAATTCACATATGGTAGACGTTGTCACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGG
ATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGA

+

FFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
:FFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1570:8648:4664_2:N:0:TCTGCAAG+GCTGCACT
ATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGAT
TAAGAGTCCAGCTGTAAGTGCATTTAGAGAGGGGAGCTCTGAAAAG

+

F:FFFFFFFFF:,FF:FF::FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1545:19488:5274_2:N:0:TCTGCAAG+GCTGCACT
GTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATG
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAG

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF,FFF

@A00721:190:HGJW7DSXY:4:1562:31123:4633_2:N:0:TCTGCAAG+GCTGCACT
GATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTTACCATATTGTTCTTCCGGGAAGTT
GTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTT

+

FFF:FFFFF,FFFFFFFFFFFF,FFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFF::F:FF:F
FFFFFFFFF:,FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1614:13340:8970_2:N:0:TCTGCAAG+GCTGCACT
CAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGA
GCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2125:26648:18991_1:N:0:TCTGCAAG+GCTGCACT
AGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTAT
GTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGT
TTT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF:FFFF,FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2215:4300:18333_1:N:0:TCTGCAAG+GCTGCACT
ACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGG
AACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAG
AAC

+

FFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1467:13386:14403_1:N:0:TCTGCAAG+GCTGCACT
CTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGA
GAGAGATTGATGTATGTCATTTCTGTTAGTTTGTCCCGCGAATTATTGGACACGATGAAAAATGAC
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2449:11948:15076_1:N:0:TCTGCAAG+GCTGCACT
TCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAAAGATA
AGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTTG
GGG

+

FFFFFFFFFFFFFFFFFFFF:FF:FFFF

FFFFFFFFFFFFFFFFFFFF:FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1558:5584:27226_1:N:0:TCTGCAAG+GCTGCACT
TGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAA
GAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAA
AAT

+

FFFFFFFFFFFFFFFFFFFF:FF
FF
FF:

@A00721:190:HGJW7DSXY:4:1275:15221:9345_1:N:0:TCTGCAAG+GCTGCACT
AAGGGCTATTACGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGA
CATGGCTTCGTAACAACAGTGCAGAGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATA
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1236:17626:4617_1:N:0:TCTGCAAG+GCTGCACT
AAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAA
ACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCT
ACG

+

FFFFFFFFFFFF:FFFFFFFFF,FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2604:29740:14418_2:N:0:TCTGCAAG+GCTGCACT
ATCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAG
ATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAA

+

FFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFF:FFFFFF
,FF:FFFFFFFFFFFF:FF,FF:F:FFFF,FFFFFF:FFF,F:FF

@A00721:190:HGJW7DSXY:4:2229:26024:2002_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

+

FF,FF:FF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFFF:FFF:FF:FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2463:11758:36886_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTCTACAGAGTGAGTCGTTTCAACA
CTTATCACCACCTTTTCAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGC
TCT

+

FFF,FF:FF:FFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFF:F,FFFFFF:FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2246:20247:18552_1:N:0:TCTGCAAG+GCTGCACT
GATTCTTAAAAGAAGTTTATTA AAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAA
TAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAA
TCT

+

FFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1169:2410:1532_1:N:0:TCTGCAAG+GCTGCACT
AGACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAG
AGAAAACGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACC
ACT

+

FFF::FFFF:FFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFF:FF::F:FF:F:FFFFFF
FFFF:FFFFFFFF:FFF,FFFFFFFFFFFFFF:F:F:FFFFFFFFFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2219:30834:22013_2:N:0:TCTGCAAG+GCTGCACT
TAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTCTGCTAGTCGCGACGATAGTATTTATC
GGAGTGATATTAACAAGTTAACTTCGAAGTACCACTTACAAGAGTG

+

FFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFF,FFFF,F

@A00721:190:HGJW7DSXY:4:2174:16839:32503_2:N:0:TCTGCAAG+GCTGCACT
CTGCTAATCGTAATTCGCGAGAAGAGATAGTACTAAAGTTTGGCACTTCTAGTTCATCGCGGTATT
TGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGA

+

FFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2227:7581:28839_1:N:0:TCTGCAAG+GCTGCACT
CGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTTATA
CCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTAC
TTC

+

FFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFF:F
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2366:32090:18396_2:N:0:TCTGCAAG+GCTGCACT
GAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGCAACTCTCAGAGGT
TTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGACACTAT

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1420:27715:12915_1:N:0:TCTGCAAG+GCTGCACT
AACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGA
TTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAG
AGG

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFF:FF,FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1677:20726:8891_2:N:0:TCTGCAAG+GCTGCACT
ACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGA
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGA

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFF
FFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1130:19425:12179_2:N:0:TCTGCAAG+GCTGCACT
TGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATT
GATAATTGACCGACTATATGACCTATTTAAGCTCATGGTGAAAAGG

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FF
FFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2214:19280:3286_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCAGTGA
CGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTA

+

FF:FFFFFFFFFFFF
FFFF:FF

@A00721:190:HGJW7DSXY:4:1413:27670:10958_1:N:0:TCTGCAAG+GCTGCACT
CAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTT
TCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCT
GTG

+

FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2345:14244:11162_1:N:0:TCTGCAAG+GCTGCACT
CGATATTCGATTGAGGGTCGTTATACCTATTCTGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTT
TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGA
AAA

+

:FFFF,FFF,FFFFFF:FF,FFF:FFFF:FFFFFFFF:F:FFFF:FFFF,FFFFFFFF:F:FF:FFF:
F:F,FF:FFFF:FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1538:29080:27774_2:N:0:TCTGCAAG+GCTGCACT
CGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGG
TAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGT

+

FFFFFFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2255:15447:27962_1:N:0:TCTGCAAG+GCTGCACT
TGACGATCATTAAGACTCTTTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTTCCTCATCAGCTTGT
GTTTTACCTAATCTGTGTTTTTACGATAACAACATATCAGTTGATTAAGACTCTTCCGAAAGGCGAACT
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2411:8992:14841_1:N:0:TCTGCAAG+GCTGCACT
AGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGT
TCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACTCCTTTAAGC
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2156:5421:22717_2:N:0:TCTGCAAG+GCTGCACT
ATCACTCATTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTTCGAA
TAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATT

+

FF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2544:32579:18615_2:N:0:TCTGCAAG+GCTGCACT
TGTCTGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAA
TCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATG

+

@A00721:190:HGJW7DSXY:4:1551:18891:4210_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGCGATCACTTTTCACTAAGAATTGG
TCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTG
TTA

@A00721:190:HGJW7DSXY:4:2117:11641:9283_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACACAGAGGAACGTACCGGATTACCTGTCTTTTCAT

@A00721:190:HGJW7DSXY:4:1316:1045:32236_1:N:0:TCTGCAAG+GCTGCACT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCG
ATACTTCTATCGTCTTACGTTACGGTAATTACGATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTT
GGA

@A00721:190:HGJW7DSXY:4:1467:19759:7404_1:N:0:TCTGCAAG+GCTGCACT
TGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTTCAGTTT
CACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTT
GAA

@A00721:190:HGJW7DSXY:4:1562:7410:32706_1:N:0:TCTGCAAG+GCTGCACT
CCTTTTCTGGAACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAAC
TACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTA
AAG

@A00721:190:HGJW7DSXY:4:2112:21920:25801_1:N:0:TCTGCAAG+GCTGCACT
GTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAAC
GGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAG
CTC

@A00721:190:HGJW7DSXY:4:1678:6786:20572_1:N:0:TCTGCAAG+GCTGCACT
GGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTATGAGGGTGT
CTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGT
TCA

FFFFFFFFFFFFFFFF,FFFFFF,FF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2149:26006:1376_2:N:0:TCTGCAAG+GCTGCACT
GTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAGTTCTAACCCAAAGAGAATATCTAAAATAT
TTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTG

+
FF
FFF:

@A00721:190:HGJW7DSXY:4:1426:8169:27727_1:N:0:TCTGCAAG+GCTGCACT
GGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTACGGGATCCGGA
ATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTGAACGTCAACGTTACCGAGTTTCGTTTCG
TAC

+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2329:11089:16376_1:N:0:TCTGCAAG+GCTGCACT
ATAAAGAACTTCATGAATTTTCAGAGGATGAAAAATTTCTTCCTTGATTTTAATATAAAGAACTCT
TACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTG
TTG

+
FFFFFFFFF::FFFFFF:FF:FF:FFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF,,FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2535:20401:17033_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGG
GACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCA
CTC

+
FFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2371:21097:7091_1:N:0:TCTGCAAG+GCTGCACT
ACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCACTTCTTGACAATTTTCTT
CAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCA
CTA

+
FF:FFFFF
FF:FFFF:FFFFF:FF:F
FFF

@A00721:190:HGJW7DSXY:4:2656:22860:3223_2:N:0:TCTGCAAG+GCTGCACT
ATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGA
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTC

+
FFFFFFFFFFFFFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:1659:17219:5321_2:N:0:TCTGCAAG+GCTGCACT
CAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACAC
GGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTATTA

+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFF:FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2528:16694:35571_1:N:0:TCTGCAAG+GCTGCACT
AACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTATAATAAATAAATAAATAATATTACTA

ATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAG
AAT

+

FF
F:FF
FF:

@A00721:190:HGJW7DSXY:4:2251:12888:24565_1:N:0:TCTGCAAG+GCTGCACT
TTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTC
GAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTA
TAC

+

FFFFFFFF:FFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFF:FFFFFFFF:FFFFF
FF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2124:27136:30921_1:N:0:TCTGCAAG+GCTGCACT
GAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTA
GCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGATGC
TAT

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
FF
FFF

@A00721:190:HGJW7DSXY:4:2330:19416:6057_2:N:0:TCTGCAAG+GCTGCACT
TATTCAAGCTTGTGCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAA
AGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1617:32081:28620_1:N:0:TCTGCAAG+GCTGCACT
AGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTG
AAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGAC
GAT

+

:FFFFF,F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2431:3025:7545_2:N:0:TCTGCAAG+GCTGCACT
ATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATA
CATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTACCAAATT

+

FF:FFFFFFFFFFFFFFFF:FFFF
FFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1277:29270:2268_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTAC
GTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATT
TAC

+

FF,FF:FFFFFFFF:FFFFFFFFFFFFFFFF
FF,FFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2422:30373:13479_1:N:0:TCTGCAAG+GCTGCACT
CTCTATCGTTTTCTGCTTTTCTTAGCTAATAGATTAATAACGGATGAGTCCGAAAACCAACTCTTCG
TTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCT
CGT

+
FF:,FFFFFFF::FF:FFFFF,F:FFFF,FFFFF:F,FF::,FF:F:FFF,F:F,FFFFFF:,:,F:::
FFF:FFFFF:F,,FF,FFF,FFF,FF:F::FFF,FFFF:FFF::FFF:,FF,FFF:FF:FFFFFFF:F
FFF
@A00721:190:HGJW7DSXY:4:1610:16649:33771_2:N:0:TCTGCAAG+GCTGCACT
AGAGATCATCCGCAAACGACTCGAAACGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTAT
GAATCCTGCCAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGTAGTGC
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF:FFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2221:17445:14043_2:N:0:TCTGCAAG+GCTGCACT
CTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCC
GAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAAGTAT
+
FFFFFFFFFFFFFFF:,FFF
FFFFFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1316:21070:20572_2:N:0:TCTGCAAG+GCTGCACT
CCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAAATTTAGAACTT
TATTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATC
+
FF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2570:5439:21026_2:N:0:TCTGCAAG+GCTGCACT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGC
+
FF
FFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1318:30490:19194_1:N:0:TCTGCAAG+GCTGCACT
CTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAA
+
FF
FF:FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1639:18593:28338_1:N:0:TCTGCAAG+GCTGCACT
AATAAAAATACTTCAAGTACCTGAACCTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAG
AACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGCATTACTAG
GAT
+
FFFFFFFFF:FFF,FFFFFF:F,FF,FFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:,FFFFFFF,:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1574:25021:5932_2:N:0:TCTGCAAG+GCTGCACT
GAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTA
CTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAA
+
FF
FF,FF
@A00721:190:HGJW7DSXY:4:2329:14389:19993_2:N:0:TCTGCAAG+GCTGCACT
GCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGT
CTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGA
+

FF
FF
@A00721:190:HGJW7DSXY:4:1314:22607:8140_1:N:0:TCTGCAAG+GCTGCACT
CTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGC
AGTCCCGTCATCTCTGTGGGAAGTACCTCAGTCAAAGTCACATTACCACTCCCATGCC
AAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2312:21775:9330_2:N:0:TCTGCAAG+GCTGCACT
GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1133:1452:36824_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTTCCGATCTGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTC
CATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGG
AAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1224:17598:33004_2:N:0:TCTGCAAG+GCTGCACT
ACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGCTTGGGTCATTAAGGGTAGCTGTAAAG
TTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGT
+
FFFFFFFFF::F:FF
FF
@A00721:190:HGJW7DSXY:4:1520:20699:34021_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCAGTACGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAG
CAGTCGCTGGGGAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1668:26702:31266_1:N:0:TCTGCAAG+GCTGCACT
GTCAACGGCGTTTGAGGATTTTATCCGCGCTTAAGTATGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCG
GGA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1361:8296:32017_1:N:0:TCTGCAAG+GCTGCACT
TCTCACTATTTTTGCCAGAATGCGGGCCTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGG
GTGAGGGTTTTTGTATATTACTGGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTA
GAG
+
FFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2246:22037:35336_1:N:0:TCTGCAAG+GCTGCACT
ATTCCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTCTTCTCCGTCATTGGGGAT

TTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATC
ATG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2541:31937:2503_1:N:0:TCTGCAAG+GCTGCACT
ACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATTAAGAGTCCAGCT
GTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTGAGAAGATGAGGAAGTCTAAGAG
GAG

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1469:29451:11193_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAAGTTGATGAAGAAGGA
TTATTTGAAGCAGGGGTACCCTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATA
ATC

+

FF
FF
,:,:,
::FFF:FF
,FF

@A00721:190:HGJW7DSXY:4:2142:27760:19006_2:N:0:TCTGCAAG+GCTGCACT
GATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTACCATATTGTTCTTCCGGGAAGTT
GTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTT

+

FF
FF
:FFFFFFFF:FFF:FFF:F

@A00721:190:HGJW7DSXY:4:2106:11143:35383_2:N:0:TCTGCAAG+GCTGCACT
CAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGA
GCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2241:28510:9001_1:N:0:TCTGCAAG+GCTGCACT
AGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTAT
GTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGT
TTT

+

FFFF,FF
FF
FF:

@A00721:190:HGJW7DSXY:4:2225:11505:18411_1:N:0:TCTGCAAG+GCTGCACT
ACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGG
AACGTACCTACTCAGAGACGTCATGAAAGCTATCGAGGGAAGCAAAATGTTTCGTTCTGTTACAAG
AAC

+

FF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1473:22598:2206_1:N:0:TCTGCAAG+GCTGCACT
CTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGA
GAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGAC
ATA

@A00721:190:HGJW7DSXY:4:2449:24641:18270_1:N:0:TCTGCAAG+GCTGCACT
TCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCAGGATTGGGTTATTCTCACAAAGATA
AGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTCTTG
GGG

@A00721:190:HGJW7DSXY:4:1643:12355:6950_1:N:0:TCTGCAAG+GCTGCACT
TGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGACAATTGAGAATACCTATTTCCGTACCAA
GAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAA
AAT

@A00721:190:HGJW7DSXY:4:1323:18331:16799_1:N:0:TCTGCAAG+GCTGCACT
AAGGGCTATTACGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGA
CATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATA
GAT

@A00721:190:HGJW7DSXY:4:1249:29505:13260_1:N:0:TCTGCAAG+GCTGCACT
AAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAA
ACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCT
ACG

@A00721:190:HGJW7DSXY:4:2645:28076:15515_2:N:0:TCTGCAAG+GCTGCACT
ATCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAG
ATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAA

@A00721:190:HGJW7DSXY:4:2233:5086:33066_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

@A00721:190:HGJW7DSXY:4:2522:8250:34632_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACA
CTTATCACCACCTTTTGAAAGGAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGC
TCT

[illegible][illegible]

```
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

```
FF:FF:F,::FF:FFFF:FF,FFFFFFFFFFFFFF,,FFF::FF::FFF:F:FFF::FFFF:F:FFFF
FF:FFFF:,FFFF:FFF::FFF:F:FF:F,FFFF,FFF:FFFFFFFF:
```

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

[illegible][illegible][illegible]

@A00721:190:HGJW7DSXY:4:1234:24578:34632_1:N:0:TCTGCAAG+GCTGCACT
ACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGAC
CTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGA
GTG

+

FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1558:10456:30968_1:N:0:TCTGCAAG+GCTGCACT
GTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAGAAAAGTATGAT
ATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCC
AGA

+

FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2249:6352:25645_2:N:0:TCTGCAAG+GCTGCACT
CTGCTAATCGTAATTCGCGAGAAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTATT
TGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:F
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2247:31819:27633_1:N:0:TCTGCAAG+GCTGCACT
CGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGCTTATA
CCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTAC
TTC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1328:18493:29731_1:N:0:TCTGCAAG+GCTGCACT
TGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGGAACTCTCAGAGGTTTA
CGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTC
TTG

+

FFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1540:14027:28322_1:N:0:TCTGCAAG+GCTGCACT
AACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGA
TTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAG
AGG

+

FF:
FF
FFF

@A00721:190:HGJW7DSXY:4:2131:12807:18411_1:N:0:TCTGCAAG+GCTGCACT
ACCACCTTAACGTCACTCGGTAATCTTTCAGCAGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGA
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTT
AG

+

F,FF,,,:FFF:FF,F,F,F,FFF:FFFFFFFF,FF,FFFF:,,:F,FFFF,,,:FF,FFFFFF:,
F:FF,FF:,,FFFF:,F::FFFF::FF,F::,FF::F,F,FFFFFFFF,FFF:FFFF:FFF:F,FFF
:,

@A00721:190:HGJW7DSXY:4:1136:6352:32753_2:N:0:TCTGCAAG+GCTGCACT
TGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATT
GATAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGAAAAGG

+

FF
FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2214:20148:4852_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCACTGA
CGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTA

+

F:FF:F,FFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFF:F
F:FFF::F:FFFFFF,,FFFFFFFFFFFFFFFF,FF:FFF:FFF:F:FF

@A00721:190:HGJW7DSXY:4:1444:12057:8249_1:N:0:TCTGCAAG+GCTGCACT
CAGGAGTATCCATAACGATTTGTCACTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTT
TCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCT
GTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2359:13196:22936_1:N:0:TCTGCAAG+GCTGCACT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTT
TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGA
AAA

+

F:FF
:FF
FFF

@A00721:190:HGJW7DSXY:4:1559:27914:9815_2:N:0:TCTGCAAG+GCTGCACT
CGTATCTCAAAGATCGACTTCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGG
TAACGGTGCGTGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGT

+

FF
FF:FFF

@A00721:190:HGJW7DSXY:4:2405:4444:22310_1:N:0:TCTGCAAG+GCTGCACT
TGACGATAATTAAGACTCTTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTCTCTCATCAGCTTGT
GTTTTACCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGCGAACT
TTG

+

FFF,FFF,FFF,FF,FF,F,FFF,FF,FFFFFFFF,FFFFFFFF,,F:F:FFFFFFFFF,,F,FF:F
,:FFFFFFFF:FFF:FFFF:FFF,:F::FF::,FFF::FFFF,FFFF,FF:FF:,F:,FFF:FF::F
FFF

@A00721:190:HGJW7DSXY:4:2453:12870:28479_1:N:0:TCTGCAAG+GCTGCACT
AGCACAACGTTTGACCGTGACGAACGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGT
TCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACTCCTTTAAGC
GTC

+

FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2175:29948:16532_2:N:0:TCTGCAAG+GCTGCACT
ATCACTCATTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAA
TAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATT

+

FFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF,FFFF
FF,F::FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F,F:FF,
@A00721:190:HGJW7DSXY:4:2613:22155:24925_2:N:0:TCTGCAAG+GCTGCACT
TGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATGATAGTGAATTTATACCTACAA
TCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATG

+

FF:FFFFFFF
F:FFF::FFFFFFFF:FFFF,FF::FFFF:FFFF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:1566:26368:11303_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCGCGCATCACTTTTCTACTAAGAATTGG
TCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTG
TTA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2272:30472:19288_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCAT

+

FFFFFFF:FFFFFF:FFF:FF:FFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFF:,
@A00721:190:HGJW7DSXY:4:1417:13105:21840_1:N:0:TCTGCAAG+GCTGCACT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCG
ATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTT
GGA

+

FF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1554:17219:24267_1:N:0:TCTGCAAG+GCTGCACT
TGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAACTTTTCAGTTT
CACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTT
GAA

+

FFFF,F:F:FFFF:,FFFFFF,FFF:F,F,,,FFFFFF:FFF:FFF,,FF,FF,FF::FF:F:,FF,
FF,:F:FFFFFFFFFFFFFFFF,FFFF:,FF,F,FF:FF:F,FFFF,FFFFFFFFFFFF,,F:,FF
,FF
@A00721:190:HGJW7DSXY:4:2671:21658:31078_1:N:0:TCTGCAAG+GCTGCACT
TACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTG
GTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATT
ACA

+

FFFFFFF:FF
FFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2523:32877:3443_1:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTGCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGT
TAC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

+

@A00721:190:HGJW7DSXY:4:2250:9616:9032_2:N:0:TCTGCAAG+GCTGCACT
GTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAAGTTCTAACCCAAAGAGAATATCTAAAATAT
TTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTG

+

@A00721:190:HGJW7DSXY:4:2364:12111:19304_1:N:0:TCTGCAAG+GCTGCACT
GGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGA
ATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCG
TAC

+

@A00721:190:HGJW7DSXY:4:1461:4571:4492_2:N:0:TCTGCAAG+GCTGCACT
TCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGGATTTTAATATAAAGAATCTTTACCAGGACT
CCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACA

+

@A00721:190:HGJW7DSXY:4:2571:27317:25254_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGG
GACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCA
CTC

+

@A00721:190:HGJW7DSXY:4:2413:7500:35368_1:N:0:TCTGCAAG+GCTGCACT
ACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTT
CAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCA
CTA

+

@A00721:190:HGJW7DSXY:4:2670:14733:23813_2:N:0:TCTGCAAG+GCTGCACT
ATTGACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCTACGA
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTC

+

@A00721:190:HGJW7DSXY:4:1665:31186:16016_2:N:0:TCTGCAAG+GCTGCACT
CAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACAC
GGTACCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTATTA

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1562:27624:23375_1:N:0:TCTGCAAG+GCTGCACT
ACTATGTTATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAAATAAATAATATTACTAA
TGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGA
AT

+

FFFFFFFFFFFFFFFF,FFFF,FFFFFFFF,FFFF:,FFFF,FFFF:FF:FFFFFFFF::FFF:,F:F
FFFFF,:FFFF:FFF,,F,FFF:FF:,F:FFFFFFFFF:::FFFFF::FFF:,F:FFFF:FFFFFF
FF

@A00721:190:HGJW7DSXY:4:2434:15537:31093_1:N:0:TCTGCAAG+GCTGCACT
TTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTC
GAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTA
TAC

+

FFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2207:4399:18787_1:N:0:TCTGCAAG+GCTGCACT
GAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTA
GCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGC
TAT

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2425:7591:9627_2:N:0:TCTGCAAG+GCTGCACT
TATTCAAGCTTGTGCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAA
AGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATA

+

FFFF,FFF,FFFF:FFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2534:9860:8015_1:N:0:TCTGCAAG+GCTGCACT
AGATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTG
AAGAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGAC
GAT

+

FFFFFFFFF,FFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2519:19045:13463_2:N:0:TCTGCAAG+GCTGCACT
ATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATA
CATTATAAAATATAAAAAATAAGGGAGTCATAACTTTTGTTACCAAATT

+

FFF
FFF:FFF

@A00721:190:HGJW7DSXY:4:2211:29405:18349_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTAC
GTCGTTTAACTGTGCGGAACAACCTTTACTTAGAATGACTCTATCTTTAAGACACTTCTTATATTATT
TAA

+

FFF:FFF:FFFFFFFFFFFF:FFFF
FFFFFFFFF:,F::FFF:FFF:,FFF,FFF,FFF,,F:,F:F:FFF,F,:FF::FFFFFFFFF:F
F::

@A00721:190:HGJW7DSXY:4:1433:16794:27320_2:N:0:TCTGCAAG+GCTGCACT
CTATCGTTTTCTGCTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTT

ACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCAACCTCAACG
+
FF,FFF:FFFFFF:FFF,FFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF,FFFFFFF
@A00721:190:HGJW7DSXY:4:1165:22200:11819_2:N:0:TCTGCAAG+GCTGCACT
GAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTA
GATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCAT
+
FF:FFFFFFFFF::FFFFFFFFF:FFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2342:9923:2018_2:N:0:TCTGCAAG+GCTGCACT
CTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCC
GAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACAT
+
FF
FFFFFFFFFFFFFFFFF,FFFFF,FFFFFFFFFFFFF:F:FFFFFFF
@A00721:190:HGJW7DSXY:4:1347:11930:14011_2:N:0:TCTGCAAG+GCTGCACT
CCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGACAAATTTAGAACTT
TATTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC
+
FF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2511:16622:7388_2:N:0:TCTGCAAG+GCTGCACT
AGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTT
GGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGA
+
FF
FFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1274:7229:27038_2:N:0:TCTGCAAG+GCTGCACT
TTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCCGGTAGCATT
GATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAA
+
FF
FFF:
@A00721:190:HGJW7DSXY:4:1626:4237:27618_1:N:0:TCTGCAAG+GCTGCACT
AACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTCTTAATATTCTA
GTA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1220:29713:36010_1:N:0:TCTGCAAG+GCTGCACT
ACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAA
AACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATT
GAA
+
FF
FFF:FFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1526:5575:16188_1:N:0:TCTGCAAG+GCTGCACT
ACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGC
TTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTTGTATAAATTTATATGAT
TTT

+
FF:FFFFFFFF:FFF,:F:FFFFFF:FFFFFFFFFFFFFFFF:FFF,:FFFFFF:FF:FFFFFF
FFF:FFF:FF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2351:6388:36041_2:N:0:TCTGCAAG+GCTGCACT
GCTCCAAGTGGCAGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGT
CTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGA
+
FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2518:7419:20823_1:N:0:TCTGCAAG+GCTGCACT
CTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGC
AGTCCCGTCATCTCTGTGGGAAGTACCTCAGTCAAAGTCACATTCACCACTCCCATGCC
AAT
+
FFFFF:FFFF,FFF,FFF,F,F,,FFF:F:FF::F,FFFFFFFFFFFF:FF,FFFFFFFFFFFF
FFF,FFFF:F:FFFFFF,FFFFFF,F::FFFFFFFF:FFFFF:FFFF:FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2333:25174:17566_2:N:0:TCTGCAAG+GCTGCACT
GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGA
+
FF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1323:14986:16047_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTTCCGATCTGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTC
CATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGG
AAT
+
FF::F
FFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1324:17291:26271_2:N:0:TCTGCAAG+GCTGCACT
ACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAG
TTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGT
+
FFF,,FF,F,:FFFFFFFF:F:FF:FF:FFFF,:FFFF,FFF,FF:FFFF:,FF:FFF,FFF
::F,:FFFF,F,F:FFFFFF::FFFFFF:FF:FFFFFF,FFF,F
@A00721:190:HGJW7DSXY:4:1522:3929:25989_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAG
CAGTCGCTGGGGAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGA
+
FFFF:,,:FFFF:F,FFFFFFFFFFFFFFFF:FFFF:FF:FFFFFFFF,F:FFFFFFFF:FFFF
FFF:FFF:FFFFFFFF,F,FFFF::FFF,FFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:1672:21025:32643_1:N:0:TCTGCAAG+GCTGCACT
GTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAATGAGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCG
GGA
+
FFFFFFFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2164:6171:3380_1:N:0:TCTGCAAG+GCTGCACT
TCTCACTATTTTGGCCAGAATGCGGGCTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGG

GTGAGGGTTTTTGTATATTCACTGGTTCTGGGAGGCTGCTTCTCCATAATTACAACCTCTCTTTA
GAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2553:22318:14935_1:N:0:TCTGCAAG+GCTGCACT
ATTCCCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTCTTTCTCCGTCAATTGGGGAT
TTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATC
ATG

+

FFFFFFFF,F,FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFF:FFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2422:14045:36495_1:N:0:TCTGCAAG+GCTGCACT
GCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAAGAGTCCAGCTGTA
ACTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAG
GAG

+

FFF,FF:FFF,FFFFF,FFF:FFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2617:32452:33051_1:N:0:TCTGCAAG+GCTGCACT
CTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTAT
TTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAATCT
TTT

+

FFFFFFFFFFFFFFFFFFFF,F:FFF:FFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2261:15781:22310_2:N:0:TCTGCAAG+GCTGCACT
GATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACCTTACCATATTGTTCTTCCGGGAAGTT
GTGGGATTTAACTTTGACTCAGCTACTCCGATCAGATCCGGATGGTTT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,F

@A00721:190:HGJW7DSXY:4:2365:27425:17801_2:N:0:TCTGCAAG+GCTGCACT
CAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGA
GCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAA

+

FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2320:13639:3474_1:N:0:TCTGCAAG+GCTGCACT
AGAATTGCGGTTGAAGTTCACCATTTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTAT
GTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTTCGT
TTT

+

FFFF,FFFFFFFFFFFF:FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2225:12002:18959_1:N:0:TCTGCAAG+GCTGCACT
ACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGG
AACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAG
AAC

+
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FF
FFFFFFFF,FF:
FFF
@A00721:190:HGJW7DSXY:4:2410:31304:34757_1:N:0:TCTGCAAG+GCTGCACT
CTCAGTTTAGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGA
GAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGAC
ATA
+
FF:FFFF,,FFFF,,FFFFFFFF:FFFF:FFFFFFFF::FF,FFF:::FFFF:F:FFFFFFFFFFFF,FFF
F,FF,,FFFFFFFFFF,F,FFFF:F,FFFFFFFFFFFF,F::FFF:FFFFFFFFFFFF:FFFF,F,FFF:,
:F:
@A00721:190:HGJW7DSXY:4:2577:16206:11710_1:N:0:TCTGCAAG+GCTGCACT
TCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCCAAGGATTGGGTATTCTCACAAGATA
AGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTCTG
GGG
+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF,FFFFFFFFFFFF::F:FF
FFF
@A00721:190:HGJW7DSXY:4:1670:32560:36620_1:N:0:TCTGCAAG+GCTGCACT
TGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAA
GAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAA
AAT
+
:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FF
FFFF:FFF:FFFFF
,FF
@A00721:190:HGJW7DSXY:4:1445:15989:22764_1:N:0:TCTGCAAG+GCTGCACT
AAGGGCTATTACGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGA
CATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATA
GAT
+
FFF::FFF,FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1416:3893:32659_1:N:0:TCTGCAAG+GCTGCACT
AAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAA
ACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTACAGGACGCCT
ACG
+
FFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF:F,FF,FFFFFFFFFFFF
,:FFFFFFFF:FFF,,FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF::FFFFFFFF:FFF:F
:FF
@A00721:190:HGJW7DSXY:4:1337:30120:28447_1:N:0:TCTGCAAG+GCTGCACT
TCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGA
TTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCAT
GGA
+
:F:FFF
FFF:FFFFFFFFFFFFF:FFFFF,
FFF
@A00721:190:HGJW7DSXY:4:1133:18123:31782_2:N:0:TCTGCAAG+GCTGCACT
TCAAACCTTCGAGGTTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGAC

+

@A00721:190:HGJW7DSXY:4:2607:28727:2174_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTCTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACA
CTTATCACCACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGC
TCT

+

@A00721:190:HGJW7DSXY:4:2549:3450:32268_1:N:0:TCTGCAAG+GCTGCACT
GATTCTTAAAGAAGTTTATTAACCTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAA
TAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAA
TCT

+

@A00721:190:HGJW7DSXY:4:2147:19370:21543_1:N:0:TCTGCAAG+GCTGCACT
AAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAA
CGATGAAGATTTCCACACTGTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTT
TTG

+

@A00721:190:HGJW7DSXY:4:2218:6596:3771_2:N:0:TCTGCAAG+GCTGCACT
CAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTATCATTGCAACAGGACTTTGAGAAGACTG
TTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTACACTC

 $+$

@A00721:190:HGJW7DSXY:4:1454:23854:15875_2:N:0:TCTGCAAG+GCTGCACT
CCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACC
TTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCA

+

@A00721:190:HGJW7DSXY:4:2657:15872:19680_2:N:0:TCTGCAAG+GCTGCACT
CTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATTTACAGTTCCTC
TTTGGTGATATCGCCTCTGTCCTTTCTCCTTTAATCGTGAGGTTACGA

+

@A00721:190:HGJW7DSXY:4:2541:12644:29935_1:N:0:TCTGCAAG+GCTGCACT
GTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACT
TGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGA
TGT

+

[illegible]

$+$ $+$

+

+

+

+

+

[illegible]

@A00721:190:HGJW7DSXY:4:1171:17318:18333_1:N:0:TCTGCAAG+GCTGCACT
ACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGA
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTT
AGC

+

FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:1324:32615:4523_2:N:0:TCTGCAAG+GCTGCACT
TGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATT
GATAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGAAAAGG

+

FF
FFFFFF:FF

@A00721:190:HGJW7DSXY:4:2302:15899:21230_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCACTGA
CGATTTCTCCCGGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTA

+

FFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFF
FF:FF

@A00721:190:HGJW7DSXY:4:1575:13123:7686_1:N:0:TCTGCAAG+GCTGCACT
CAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTT
TCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCT
GTG

+

FF
:FF
FFF

@A00721:190:HGJW7DSXY:4:2411:5023:7216_1:N:0:TCTGCAAG+GCTGCACT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTT
TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTA
AAA

+

:,:FFF:F,,FF:,F:FF:,FFFFFF:FFFFFF::FFF:FFFF,FFF,F,FF:FFFF:,F::FFFFFF
FF,FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2435:31665:8735_2:N:0:TCTGCAAG+GCTGCACT
TCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTT
ATTTTAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATAGATCGGAA

+

FF
FF:F

@A00721:190:HGJW7DSXY:4:2405:4806:22498_1:N:0:TCTGCAAG+GCTGCACT
TGACGATCATTAAGACTCTTTCTTCTTTGTTTCCTTCTTTGCACTGATTTTTCCTCATCAGCTTGT
GTTTTACCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAGACTCTTCCGAAAGGCGAACT
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2628:21866:33786_1:N:0:TCTGCAAG+GCTGCACT
AGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGTATCTACGTTACGGATATACTCTCCTTGAGT
TCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACTCCTTTAAGC
GTC

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2234:5819:7842_2:N:0:TCTGCAAG+GCTGCACT
ATCACTCATTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAA
TAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2622:30291:9549_2:N:0:TCTGCAAG+GCTGCACT
TGTCTGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAA
TCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1566:26756:10598_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGCTAAATTAACCAATTGTACGATGTCGTCTGTCTCGCGCATCACTTTTCACTAAGAATTGG
TCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTG
TTA
+
FFF:FF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2327:27706:15342_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTTCAT
+
FFF:FF
FF
@A00721:190:HGJW7DSXY:4:1463:29894:17159_1:N:0:TCTGCAAG+GCTGCACT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCG
ATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTT
GGA
+
FF
FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1562:11379:10332_1:N:0:TCTGCAAG+GCTGCACT
TGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAACTTTTCAGTTT
CACAACGAAGGAGGAGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTT
GAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1175:2302:29590_2:N:0:TCTGCAAG+GCTGCACT
TGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACTTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2636:32353:6324_1:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTAT

CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGT
TAC

+

FF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1410:16432:26663_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCCTCTGGCCTTGATGAGGGTGTTTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC

+

FF:FF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,FF

@A00721:190:HGJW7DSXY:4:2372:12183:25316_2:N:0:TCTGCAAG+GCTGCACT
GTTGTTATCTCGAAAAGTCTCTTCTAAAAGGAACGTCAAGTCTAACCCAAAGAGAATATCTAAAATAT
TTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTG

+

FF
FF:FFFF:FFFFFFFFFFFF,FFFFFF

@A00721:190:HGJW7DSXY:4:2406:9968:17033_1:N:0:TCTGCAAG+GCTGCACT
GGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGA
ATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCG
TAC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1509:21088:16282_2:N:0:TCTGCAAG+GCTGCACT
TCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGGAATTTTAATATAAAGAATCTTTACCAGGACT
CCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2635:3613:18521_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGG
GACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCA
CTC

+

FFFF:FFFFFFFF,FFFFFF:FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2561:20464:25034_1:N:0:TCTGCAAG+GCTGCACT
ACAGAAGATGATGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTT
CAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCA
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2366:22788:23296_2:N:0:TCTGCAAG+GCTGCACT
AATGACTGATTAAAAAAGATTGAAGGAAAATGTTATCCTCGTTTAACTTACTTAGACTTTTCTACGA
TACAAATGATAACTTCTAATTTACTATTGATACTCAGAGCTTTTCCTC

+

:,,:FF,:FFF:,,,FFFF,FFFF,,FFF:F,,,FFF,FF:F,FF:FF:FFF:FFFFFFFF:,F:,F
FFFFFFFF,FF,F:::FFF,F:FFF,,,F,,:F,FFF:F,F,,FFFF

@A00721:190:HGJW7DSXY:4:2353:5177:30812_2:N:0:TCTGCAAG+GCTGCACT
GCTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGT
CTCTACGTTACAGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGA

@A00721:190:HGJW7DSXY:4:1627:22661:8422_1:N:0:TCTGCAAG+GCTGCACT
AAAGGAAACGGGATGTTGCCCTGAGGAAAGAATCGACAACCGAGTTCGCTCGTTACATTGACGGCAGT
CCCGTCATCTCTGTGGGAACAGAGGCAGTACCTCAGTCAAAAGTCACATTACCCTCCCATACCAAT
CAA

@A00721:190:HGJW7DSXY:4:1421:6460:15562_2:N:0:TCTGCAAG+GCTGCACT
TATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTG
GCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATG

@A00721:190:HGJW7DSXY:4:1324:7229:4178_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTTCCGATCTGGAAGAGGGGAAATGTCCCAAAGCTGAGAAGAATAAAGGGAAAGGTC
CATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGG
AAT

@A00721:190:HGJW7DSXY:4:1343:30129:25113_2:N:0:TCTGCAAG+GCTGCACT
ACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAG
TTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGT

@A00721:190:HGJW7DSXY:4:1549:1949:17143_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACCTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAG
CAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGA

@A00721:190:HGJW7DSXY:4:2113:7952:32737_1:N:0:TCTGCAAG+GCTGCACT
GTCAACGGCGTTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCCTAAGCACCGAGGTAAGCTCG
GGA

@A00721:190:HGJW7DSXY:4:2443:22661:18192_1:N:0:TCTGCAAG+GCTGCACT
TCTCACTATTTTTGCCAGAATGCGGGCCTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGG
GTGAGGGTTTTGTATATTCCTGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTA
GAG

@A00721:190:HGJW7DSXY:4:1353:1416:12618_1:N:0:TCTGCAAG+GCTGCACT
TCCCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTTCTTTTCTCCGTCATTGGGGATTT
CGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCAT
GAT

@A00721:190:HGJW7DSXY:4:2623:4191:1360_1:N:0:TCTGCAAG+GCTGCACT
GCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGGATTAAGAGTCCAGCTGTA
ACTGTCATTTTCAGAGAGGGGAGCTCTGAAAAGGAAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAG
GAG

@A00721:190:HGJW7DSXY:4:2158:2627:6292_1:N:0:TCTGCAAG+GCTGCACT
TCTAGAGAAGATCTCCCCCCTGGAGATGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATG
TGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAATCTT
TT

@A00721:190:HGJW7DSXY:4:2278:7066:29262_2:N:0:TCTGCAAG+GCTGCACT
GATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAAC TTACCATATTGTTCTTCCGGAAGTT
GTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTT

@A00721:190:HGJW7DSXY:4:2535:21685:13275_2:N:0:TCTGCAAG+GCTGCACT
CAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGA
GCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAA

@A00721:190:HGJW7DSXY:4:2345:4770:3051_1:N:0:TCTGCAAG+GCTGCACT
AGATTTGCTGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTAT
TTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGT
TTT

@A00721:190:HGJW7DSXY:4:2261:21197:11146_1:N:0:TCTGCAAG+GCTGCACT
ACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGG
AACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAG
AAC

```
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```


@A00721:190:HGJW7DSXY:4:2419:21766:12038_1:N:0:TCTGCAAG+GCTGCACT
CTCAGTTGCGATAGCTTTAGAGGTATACTATATCTCTCTTGATGATGTAGACACTATAATGCTTAAGA
GAGAGATTGATGTATGTCATTTCTGTCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGAC
ATA

+

FFF,FFF,,F,:FF:F,FF,:FFFF,,:FFFFFF,F:FFFFFFFF,F:,FFFFFF,FFFFFF:FF
:FFFFFFFFFFFFFFFF,FFF,F::FFFFFFFFF::F,FFF,:FF:FFF:,F,,F,FFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1224:8413:15436_1:N:0:TCTGCAAG+GCTGCACT
TGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAAACAAAGATA
AGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTCTG
GGG

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFF
FFFFFFFFFFFFFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2110:27299:6840_1:N:0:TCTGCAAG+GCTGCACT
TGAGTTCCGAATAACTCGTAATAAATCTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAA
GAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTTCGTTCTCAATAAA
AAT

+

F:FFFF::,FFFF:FFFF:F:FF:FF:FFFFFFFFFFFF:FF:FFFFFFFF:FF,FFFFFFFFFFFFFFF
FFFFF:FFF:FFFFFFFFF:FF:FFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1573:5882:34538_1:N:0:TCTGCAAG+GCTGCACT
AAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGA
CATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGAAAGTGATTACCAAGATGTTTCATATA
GAT

+

FF:FFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1503:28872:13698_1:N:0:TCTGCAAG+GCTGCACT
AAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAA
ACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTAGGACGCCT
ACG

+

FFFFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1645:26892:25332_1:N:0:TCTGCAAG+GCTGCACT
TCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGTCTCTAAATCTTTGAGATTGAGAAGA
TTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCAT
GGA

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1154:15790:29716_2:N:0:TCTGCAAG+GCTGCACT
TCAAACCTTCGAGGTTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGAC
TCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTA

+

FFF
FFFFFFFFFFFFF,FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2607:28890:1673_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACA
CTTATCACCACCTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGC
TCT

+

FFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2560:21160:24330_1:N:0:TCTGCAAG+GCTGCACT
GATTCTTAAAAGAAGTTTATTAACCTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAA
TAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAA
TCT

+

FFFFFFFF,F:FFFFFFFF:FF
:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2271:7184:9831_1:N:0:TCTGCAAG+GCTGCACT
AAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCAGAGTTTCGACGTGCGGAAAA
CGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTT
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2374:30011:21277_2:N:0:TCTGCAAG+GCTGCACT
CAGTACAGGGAGGAGGTAATAGTTATAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTG
TTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTACACTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1502:20681:31360_2:N:0:TCTGCAAG+GCTGCACT
CCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCCAGGACTGATGGTGAGATTCTTTTACC
TTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCA

+

FF:FFFFFFFF:FF:F:FFFF,:FF:F:FFFF:FFFFFFFFFFFF::FFFFFF:FFFFFFFFFFFFFFFF::
:FFFF:FFFF::FFFFFF:FF:FF:F,FFFFFF:F:FFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2618:7229:3959_1:N:0:TCTGCAAG+GCTGCACT
GTTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACT
TGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGA
TGT

+

FFFFFF:FFFFFFFF:FFFFFF:FFFFFFFF,FFF:FF::FFFFFF:FFFF:,FFFFFFFFF
FFF:FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1130:8829:17503_1:N:0:TCTGCAAG+GCTGCACT
TTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGT
CTTGGTCGAAAATATCGCCGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCG
ATC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1449:7681:5431_1:N:0:TCTGCAAG+GCTGCACT
ACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGAC

CTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGA
GTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2458:20654:32565_1:N:0:TCTGCAAG+GCTGCACT
GTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGAGAAAACCTGAT
ATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCC
AGA

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2353:30346:32597_2:N:0:TCTGCAAG+GCTGCACT
CTGCTAATCGTAATTCGCGAGAAGAGATAGTGACTAAAGTTTTGGCACTTCTAGTTCATCGCGGTATT
TGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGA

+

FFFFFFFFFFFFFFF:FFF
:FFFFFFFFFFFF:FF,F::F:FFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2355:9525:21527_1:N:0:TCTGCAAG+GCTGCACT
CGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGCTTATA
CCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGCAAACTAC
TTC

+

FFFFFFFFFFFFFFFFFFFF:FF:FFF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1401:7148:35415_1:N:0:TCTGCAAG+GCTGCACT
TGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGGAACTCTCAGAGGTTTA
CGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTC
TTG

+

FFF:FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2123:8594:27649_1:N:0:TCTGCAAG+GCTGCACT
AACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGA
TTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAG
AGG

+

FFFFFFF:FFF
F:FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1230:11216:15593_1:N:0:TCTGCAAG+GCTGCACT
ACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGA
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTT
AGC

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1516:22625:23390_2:N:0:TCTGCAAG+GCTGCACT
TGATAGATTGGGTCAACAATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATT

GATAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGAAAAGG

+

FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2308:29423:25989_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGA
CGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTA

+

FF
FFFFF:F:FF

@A00721:190:HGJW7DSXY:4:2205:3812:29669_1:N:0:TCTGCAAG+GCTGCACT
CAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTT
TCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCT
GTG

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2529:12020:25285_1:N:0:TCTGCAAG+GCTGCACT
CGATATTCGATTGAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTT
TAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTCTGTGA
AAA

+

FFF::FFFF:F:FF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2565:29270:32174_2:N:0:TCTGCAAG+GCTGCACT
TCGAGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTT
ATTTTAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATAGATCGGAA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2456:22444:34287_2:N:0:TCTGCAAG+GCTGCACT
TGTTTCCTTCTTTGCACTGATTTTCTCATCAGCTTGTTTACCTAATCTGTGTTTTACGATAA
CAACTATCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFF,FFFFF

@A00721:190:HGJW7DSXY:4:2628:22417:33270_1:N:0:TCTGCAAG+GCTGCACT
AGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGT
TCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACTCCTTTAAGC
GTC

+

FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2249:28311:18521_2:N:0:TCTGCAAG+GCTGCACT
ATCACTCATTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAGCGGGGTTTTCGAA
TAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFF,
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1153:4399:5729_2:N:0:TCTGCAAG+GCTGCACT
CTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCA

$+$

@A00721:190:HGJW7DSXY:4:1668:16776:8093_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGCTAAATTAACCATTTGTACGATGTCGTCTGTCTCGCGATCACTTTTCACTAAGAATTGG
TCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTG
TTA

+

@A00721:190:HGJW7DSXY:4:2337:8522:4852_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTTCAT

+

@A00721:190:HGJW7DSXY:4:1677:6705:27195_1:N:0:TCTGCAAG+GCTGCACT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCG
ATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTT
GGA

+

@A00721:190:HGJW7DSXY:4:2314:5728:15107_1:N:0:TCTGCAAG+GCTGCACT
TGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTTCAGTTT
CACAACCTGAAGGAGGAGGTTTCTGTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTT
GAA

+

@A00721:190:HGJW7DSXY:4:1227:16785:16877_2:N:0:TCTGCAAG+GCTGCACT
TGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACTTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAAGGGGCTATTACTCTTGCTGAAACAGCTATTAAGCTGTT

+

@A00721:190:HGJW7DSXY:4:2666:16993:32863_1:N:0:TCTGCAAG+GCTGCACT
ATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTAT
CAACAGTAACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGT
TAC

+

@A00721:190:HGJW7DSXY:4:1424:1452:3223_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGATGAGGGTGTTTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC

+

@A00721:190:HGJW7DSXY:4:2362:2663:26522_2:N:0:TCTGCAAG+GCTGCACT
CCAAAGAGAATATCTAAAATATTTACAAAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGT
TGCTTGTGCTTCTCTCTTAATGGCACTACCTCGGTACAATCTTACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2528:27245:29951_2:N:0:TCTGCAAG+GCTGCACT
GCGACCTGTTCCGGAGTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGAT
TTGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGAC

+

FFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFF:FFFFFF::FFFF:FF:FFF:FFFFFF:F,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1610:14290:20478_2:N:0:TCTGCAAG+GCTGCACT
TCATGAATTTTTCAGAGGATGAAAAATTTTCTTCTTGATTTTAATATAAGAATCTTTACCAGGACT
CCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACA

+

FF
FFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1470:28320:35446_2:N:0:TCTGCAAG+GCTGCACT
AAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACA
TTTTATCGTGGGCTTTCGTAAGGAAGATCTGTTATCGACGGTTTAT

+

FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2441:24587:27665_2:N:0:TCTGCAAG+GCTGCACT
TGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCACTTCTTGACAATTTCTTCAATCCTTCGA
TAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGA

+

FFFFFFFFFFFF:F:F,FFFF:,FFF,FFF,,:F:F:FFFFFF:FFFF::FFFFFFFFFFFFFFFF:F
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1308:25211:20917_2:N:0:TCTGCAAG+GCTGCACT
GACTGATTATCTAAAGATTGAAGGAAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATAC
AAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCA

+

FF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2438:23158:20744_2:N:0:TCTGCAAG+GCTGCACT
CAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACAC
GGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTCTTA

+

FF:FF,FFF,FFF:FF:FFFF,FFFF,FFFF,FFFF:FFFF:FFFF:FFFF:FFFFFFFF:FF
F,:FF:, :FF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF,FF,FFF

@A00721:190:HGJW7DSXY:4:1634:3341:21527_2:N:0:TCTGCAAG+GCTGCACT
TATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAA
TAGTGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTA

+

FF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2676:15808:11522_1:N:0:TCTGCAAG+GCTGCACT
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CCAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAA
AAG

+

FFFFFF:FFFFFF, :FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFF:FF:FFFFFFFFFFFF:FFF,

[illegible]

@A00721:190:HGJW7DSXY:4:1448:9941:12477_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTTCCGATCTGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTC
CATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGG
AAT

+

FF:F
FF:FFF

@A00721:190:HGJW7DSXY:4:1343:31467:23610_2:N:0:TCTGCAAG+GCTGCACT
ACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGCTTGGGTCATTAAGGGTAGCTGTAAAG
TTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGT

+

FFFFFFFF,FF:F
FF:FFF:FFF

@A00721:190:HGJW7DSXY:4:1565:31241:31704_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACCTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAAAGTGAAG
CAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGA

+

FF,F:FFF
FF

@A00721:190:HGJW7DSXY:4:2204:16125:16642_1:N:0:TCTGCAAG+GCTGCACT
GTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCG
GGA

+

FF
FFFFFFFFFFFF:F:FF
FFF

@A00721:190:HGJW7DSXY:4:2659:13386:21073_1:N:0:TCTGCAAG+GCTGCACT
TCTCACTATTTTTGCCAGAATGCGGGCCTTCTGACTGATGAGGTTAAAGTCTTGCTCCTTCTGTGG
GTGAGGGTTTTTGTATATTTACTGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTA
GAG

+

FFFFFFFFFFFFFFFFFFFF:FFF:FFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2262:18846:32409_1:N:0:TCTGCAAG+GCTGCACT
TCCACATATGGTAGACGTTGTCACTTTTCTTGAAAATTTTCTTTCTCCGTCAATTGGGGATTT
CGATGTGAGAAGGTGGAAGGTGTCAAGGCTTCTTTCATGCTGATCTTTCAGGACCTAATCACATCAT
GAT

+

FFFFFFF,FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2673:22860:3067_1:N:0:TCTGCAAG+GCTGCACT
GCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTA
ACTGTCATTTAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAG
GAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1158:12201:12477_1:N:0:TCTGCAAG+GCTGCACT
TCTAGAGAAGATCTCACACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATT

TGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTT
TTG

+

F,FFFFFFFFFFFFFF,FFFFFFFFFFFFFF,FFFFFFFFFFFFFF,FFF:FFFFFFFF:FFFFF
FFFFFFFF:FFFFFFFF::FFFF:F,FFFF:FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2301:7437:3912_2:N:0:TCTGCAAG+GCTGCACT
GATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTT
GTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTT

+

FFFF:FF, F
FF:FFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2522:3857:26303_1:N:0:TCTGCAAG+GCTGCACT
TGCTCTTCCGATCTAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGA
GCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCGTACCTTA
CAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2463:4535:35086_1:N:0:TCTGCAAG+GCTGCACT
AGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTAT
GTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTGGAGGCGATATTCGT
TTT

+

FFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2278:32063:6887_1:N:0:TCTGCAAG+GCTGCACT
ACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGG
AACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAG
AAC

+

F:FFFFF:,FFF,,:FFFFFFFF:FF,FFFF:, ,F:FFF,FFFFFFFF:,FFFFFFFF:FFF,FFFF:F
FFFFFFFF,FF,FF,FF::FF,FFFFFFFFFFFF,FF:F,,FF:,FFFFF,FFF:FF:,F,FFF:F:F
FFF

@A00721:190:HGJW7DSXY:4:2466:11614:11898_1:N:0:TCTGCAAG+GCTGCACT
CTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGA
GAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGAC
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1405:2058:16924_1:N:0:TCTGCAAG+GCTGCACT
TGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAAACAAAGATA
AGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGGTCCATTGTGAACTCTTG
GGG

+

FFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FFF,FF,FFFFFFFFFFFFFFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2401:8151:21778_1:N:0:TCTGCAAG+GCTGCACT
TGAGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAA

GAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAA
AAT

+

FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:F:FFFFFFFFF::FFF::FFFFFFFF:FFFFFF
FFFFFF,FFFFFFFFFFFF::FFFFFFFF:FFFF,FFFFFFFF:FF:FFFF:FFFFFF,FFFF
FFF

@A00721:190:HGJW7DSXY:4:1608:1561:30405_1:N:0:TCTGCAAG+GCTGCACT
AAGGGCTATTTCAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGA
CATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTTCATATA
GAT

+

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1537:1958:9330_1:N:0:TCTGCAAG+GCTGCACT
AAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAA
ACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTACTGAGAGAAAAGATTGAGGACGCCT
ACG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2146:28185:15640_1:N:0:TCTGCAAG+GCTGCACT
TCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGA
TTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCAT
GGA

+

FFFFFFFFFFFFFF:F::FFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:F::FF,
FFF

@A00721:190:HGJW7DSXY:4:1517:29921:4523_2:N:0:TCTGCAAG+GCTGCACT
TCAAACCTTCGAGGTTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGAC
TCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTA

+

FFFF:FF
FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2616:24496:34648_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTCTACAGAGTGCAGTCGTTTCAACA
CTTATCACCACCTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGC
TCT

+

FFFFFFFFF:FFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2611:13223:25833_1:N:0:TCTGCAAG+GCTGCACT
GATTCTTAAAGAAGTTTATTAACCTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAA
TAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAA
TCT

+

FFFF:F::FFF,FF,FFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:
FFF

@A00721:190:HGJW7DSXY:4:2601:8431:16564_1:N:0:TCTGCAAG+GCTGCACT
AAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAA

CGATGAAGATTTCCACACTGTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTT
TTG

+

FF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2441:15429:12743_2:N:0:TCTGCAAG+GCTGCACT
CAGTACAGGGAGGAGGTAATAGTTATAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTG
TTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTACACTC

+

FFFFFF:FFFFFFFF:FF
FFFFFFFFFFFF:FFFFFFFFFFFF,:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1534:16712:3161_2:N:0:TCTGCAAG+GCTGCACT
CCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCGAGGACTGATGGTGAGATTCTTTTACC
TTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCA

+

FF:FFFF
,FFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFF:,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1156:29785:10207_1:N:0:TCTGCAAG+GCTGCACT
TTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTT
GGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGAT
GTT

+

FFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF:FFFF:FFFFFFFFFFFF,FFFFFFFFFFFF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1312:5963:15327_1:N:0:TCTGCAAG+GCTGCACT
TTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTCATGAGGATGT
CTTGGTCGAAAATATCGCCGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCG
ATC

+

FFFFF,FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1612:4273:8265_1:N:0:TCTGCAAG+GCTGCACT
ACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGAC
CTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGA
GTG

+

FF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2460:23845:36088_1:N:0:TCTGCAAG+GCTGCACT
GTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAGAAAAGTATGAT
ATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCC
AGA

+

FF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
,FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2318:25066:19038_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAAC
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGT

+

@A00721:190:HGJW7DSXY:4:2104:31593:34882_2:N:0:TCTGCAAG+GCTGCACT
GAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTAAACGATTCCG
AGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCACCTTT

[illegible]

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF:FFFF
```

+

[illegible]

+

[illegible]

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFF;FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F
```

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

+

[illegible]

@A00721:190:HGJW7DSXY:4:2327:27706:15342_1:N:0:TCTGCAAG+GCTGCACT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCG
ATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTT
GGA

+

FFFFF:,F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2416:1624:28291_1:N:0:TCTGCAAG+GCTGCACT
TGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTT
CACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTT
GAA

+

FF:FFF:FFFFFFFF:FF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1244:4354:1642_2:N:0:TCTGCAAG+GCTGCACT
TGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT

+

FFFFFFFFF::FFF:FFFF:FF::
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2122:11722:8923_1:N:0:TCTGCAAG+GCTGCACT
AAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGT
AACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTT
GAA

+

:FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1460:3631:7153_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCCTCTGGCCTTGATGAGGGTGTCTTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC

+

FFFFFFFFFFFFF:FF
FFFFFFFFFFFFF:FF:FF

@A00721:190:HGJW7DSXY:4:2411:8919:7326_2:N:0:TCTGCAAG+GCTGCACT
CCAAAGAGAATATCTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGT
TGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACT

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2528:28655:31109_2:N:0:TCTGCAAG+GCTGCACT
GCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGAT
TTCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGAC

+

FFF,FFFFFF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2313:13765:7388_2:N:0:TCTGCAAG+GCTGCACT
TCATGAATTTTCAGAGGATGAAAAATTTTCTTCTTGGATTTTAAATATAAAGAATCTTTACCAGGACT
CCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACA

+

FFFFFF,F:FFFFFFFF:FFFFF,FFFFFFFF:FFFF:::F,FFFFFFFFFFFFFFFFFFFFF,:FFFFF
FFFFFFFFFFFF:FFF,F,:FFF,F:FF,FFFFFFFF::FFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:2233:14588:19961_2:N:0:TCTGCAAG+GCTGCACT
AAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACA
TTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTAT

+

FF
FFFFFF:FF

@A00721:190:HGJW7DSXY:4:2510:22616:16830_2:N:0:TCTGCAAG+GCTGCACT
TGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAAACCACTTCTTGACAATTTCTTCAATCCTTCGA
TAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGA

+

F:FFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1519:5204:16642_2:N:0:TCTGCAAG+GCTGCACT
GACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCTACGATAC
AAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCA

+

FF:F:FFFFFFFF:FFFFF:F:FF
FFFF:F:F:FFF:FFFFFFFF,FF:FF

@A00721:190:HGJW7DSXY:4:2528:30572:34773_2:N:0:TCTGCAAG+GCTGCACT
CAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACAC
GGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTA

+

FF
FFFFFF:FF

@A00721:190:HGJW7DSXY:4:2666:11912:30326_2:N:0:TCTGCAAG+GCTGCACT
TATGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAA
TAGTGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTA

+

FF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1338:3721:8563_2:N:0:TCTGCAAG+GCTGCACT
ATAGGTGAAGGGATAGTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACC
CAAAATGAAGGACACTTCGAAACTGAATAATGATGCACAGATCGGAAG

+

:F::FF
FFFFFFFFF:FFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:2507:17146:36198_1:N:0:TCTGCAAG+GCTGCACT
GAGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTTCTTTTGATACTA
GCCTTCAAGTGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGATGC
TAT

+

FFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1112:16396:19993_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAATTATTTAGAGATCTTT
CTA

+

FFFFF:F,FFFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:1238:23421:16564_2:N:0:TCTGCAAG+GCTGCACT
ATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTGAA

GAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTT
+
FF
FFFFFF:FFFFFF:FF
@A00721:190:HGJW7DSXY:4:2115:25256:18239_2:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACGTTGCAGATCGCCACT
CCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF
FF:F
@A00721:190:HGJW7DSXY:4:2430:15257:14763_2:N:0:TCTGCAAG+GCTGCACT
AATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTAC
TCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAG
+
FFFFFFFFFFFFFFFF:FFF
FFFF:FF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1316:31602:32988_1:N:0:TCTGCAAG+GCTGCACT
CTATCGTTTTCTGCTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTT
ACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCG
TCC
+
:FFFFFFFFFFFF:FFFFFFFFFFFF:F,:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1663:31910:37027_2:N:0:TCTGCAAG+GCTGCACT
AGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTAT
GAATCCTGCCAGATCGGAAGAGCGTCGGGTAGGGAAGAGTGTAGTGG
+
FF:FFF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFF,F,FFFF:FF:FFFFFFFF,
@A00721:190:HGJW7DSXY:4:2324:20401:11584_1:N:0:TCTGCAAG+GCTGCACT
CTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAACTCATCTTTACTCACAGACTCC
GAAAATGTTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTA
TCA
+
F:,F:FFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFF
FF:FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2572:32253:27759_2:N:0:TCTGCAAG+GCTGCACT
CCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTAGAACTT
TATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2645:13259:1689_1:N:0:TCTGCAAG+GCTGCACT
AGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTC
TATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT
AGC
+
FFF:FFFFFF:FFFF:FFFF:FFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FF
FFF
@A00721:190:HGJW7DSXY:4:1405:12228:29935_2:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAA

+

@A00721:190:HGJW7DSXY:4:1212:8983:25880_1:N:0:TCTGCAAG+GCTGCACT
TAAAAATACTTCAAGTACCTGAACCTTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAA
CCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGA
TTT

+

@A00721:190:HGJW7DSXY:4:2213:28601:34741_2:N:0:TCTGCAAG+GCTGCACT
AAAACTCCATTGTATAGTTCAAGGAGTACTTAATTC AATAGCTTTAGTATTATTTACTATCGCCTTT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGA

+

@A00721:190:HGJW7DSXY:4:2507:29161:8093_2:N:0:TCTGCAAG+GCTGCACT
GCTCCAACTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGT
CTCTACGTTACAGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGA

+

@A00721:190:HGJW7DSXY:4:2433:12843:28401_1:N:0:TCTGCAAG+GCTGCACT
AAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGT
CCCGTCATCTCTGTGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACTACTCCCATACCAAT
CAA

+

@A00721:190:HGJW7DSXY:4:1475:9607:32816_2:N:0:TCTGCAAG+GCTGCACT
TATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTG
GCACGAAGAACA CTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATG

+

@A00721:190:HGJW7DSXY:4:2220:31530:5619_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTTCCGATCTGGAAGAGGGGAAATGTCCC~~AAA~~ACTGAGAAGAATAAAGGGAAAGGTC
CATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGG
AAT

+

@A00721:190:HGJW7DSXY:4:1633:6668:21527_2:N:0:TCTGCAAG+GCTGCACT
ACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAG
TTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGT

+

@A00721:190:HGJW7DSXY:4:1659:20482:4492_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAAACTGAGAG

CAGTCGCTGGGGACAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGA

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF
FFFFFFFFFFFFFFF,FFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFF

```

GGA

[illegible] $+$

@A00721:190:HGJW7DSXY:4:2262:21206:31328_1:N:0:TCTGCAAG+GCTGCACT
TCCCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTTCTTTTCTCCGTCATTGGGGATTT
CGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCAT
GAT

[illegible] $+$

@A00721:190:HGJW7DSXY:4:1645:28890:26443_2:N:0:TCTGCAAG+GCTGCACT
GTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATG
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAG

```

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:

```

 $+$

@A00721:190:HGJW7DSXY:4:1402:9715:29496_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGT
TTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCTATCGTTGTCGTACCTTACAAGG
TTG

[illegible]

@A00721:190:HGJW7DSXY:4:2320:12075:3740_1:N:0:TCTGCAAG+GCTGCACT
GAATTGCGGTTGAAGTTCACCCATTCTATCTTTATTGCTCACGCAGTCGCAGCCATATCGAGACTATG
TTATAATCACTTGTTAAAGTACAGATTTTGTGTTTTAGTTATTATTGATATTGGAGGCGATATTCGTT
TT

@A00721:190:HGJW7DSXY:4:1314:3947:36824_1:N:0:TCTGCAAG+GCTGCACT
ATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACG
TACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACG
CTT

@A00721:190:HGJW7DSXY:4:2620:21802:13041_1:N:0:TCTGCAAG+GCTGCACT
CTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGA
GAGAGATTGATGTATGTCATTTCTTCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGAC
ATA

@A00721:190:HGJW7DSXY:4:2202:4209:27320_1:N:0:TCTGCAAG+GCTGCACT
TGGAGATGATGGCGCATCACTTGATTACTATATGCCCCGAAGGATTGGGTTATTCTCACAAACAAAGATA
AGATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAAGGGCGGACAATTGTTCCATTGTGAACCTCTTG
GGG

@A00721:190:HGJW7DSXY:4:1467:26666:28980_2:N:0:TCTGCAAG+GCTGCACT
AGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTGAGAATACCTATTTCCGTACCAAGA
GCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGA

@A00721:190:HGJW7DSXY:4:2144:3821:25708_1:N:0:TCTGCAAG+GCTGCACT
AAGGGCTATTACGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGA
CATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATA
GAT

@A00721:190:HGJW7DSXY:4:2118:19289:4178_1:N:0:TCTGCAAG+GCTGCACT
AAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAA
ACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCT
ACG

@A00721:190:HGJW7DSXY:4:2151:11189:20181_1:N:0:TCTGCAAG+GCTGCACT
TCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGA
TTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCAT
GGA

+

F:F,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2420:14633:1720_2:N:0:TCTGCAAG+GCTGCACT
TCAAACCTCGAGGTTTACGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGAC
TCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTA

+

FFFFFF:FF
FF
FFFF

@A00721:190:HGJW7DSXY:4:2637:25355:11804_1:N:0:TCTGCAAG+GCTGCACT
ATAACTTCTTTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACA
CTTATCACCACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGC
TCT

+

FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2632:23692:24893_1:N:0:TCTGCAAG+GCTGCACT
GATTCTTAAAAGAAGTTTATTAAAACCTTCAGAGTCTTTGGAAGTCCAGGTAGCTAATGTTCTTGCAA
TAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAA
TCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2631:4155:3959_1:N:0:TCTGCAAG+GCTGCACT
AAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAA
CGATGAAGATTTCCACACTGTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTT
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2507:5339:7012_2:N:0:TCTGCAAG+GCTGCACT
CAGTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTG
TTGAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTC

+

FFFFFFFFF:FFFFF:FF:FF
FF
,

@A00721:190:HGJW7DSXY:4:1570:4273:22232_2:N:0:TCTGCAAG+GCTGCACT
CCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCCAGGACTGATGGTGAGATTCTTTTACC
TTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCA

+

FF
FFFFFFFFFFFF,FFFF,FF:FFFFF:,,:FFFFF,FFFF,FFFF:FF

@A00721:190:HGJW7DSXY:4:1156:29794:10347_1:N:0:TCTGCAAG+GCTGCACT
TTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTT
GGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGAT
GTT

[illegible][illegible]

```
:FFFFFFFFFFFFFFF:FFFFFF,FFF,FFFF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFF:FFFFF  
F:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFF  
FFF
```

```

FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

[illegible][illegible]

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFF

```

@A00721:190:HGJW7DSXY:4:2541:27019:11929_1:N:0:TCTGCAAG+GCTGCACT
AACGATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGA

TTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAG
AGG

+

:FF:FF:F,,,:FFFFFFFF,FFFFFFFF:FFF,FFF,,F:FFFF:FFFFFFFFFFFFFFFF:FFFF:F
FF:FFFF:,FFF,FF,FFFFFFFF,FFFF:FFFFFFFF:,FFF,,FFFFFF:,F,FF,:FFFFFF
,FF

@A00721:190:HGJW7DSXY:4:2339:28501:13683_1:N:0:TCTGCAAG+GCTGCACT
ACCACCTTAACGTCACCTCGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCTGA
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTT
AGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1468:10456:15123_1:N:0:TCTGCAAG+GCTGCACT
AATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTA
TATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGA
AGC

+

FFFFFFFFFFFFFFFF,FFFF:FF:
FF:
FFF

@A00721:190:HGJW7DSXY:4:2544:4417:14184_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGA
CGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTA

+

FF:
FFFFF:FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2460:9209:36479_1:N:0:TCTGCAAG+GCTGCACT
CAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTT
TCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCT
GTG

+

FFFFFFFFFFFFF::FFFFFFFF,FFFFFFFFF::F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2158:7943:10739_2:N:0:TCTGCAAG+GCTGCACT
GAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTAAACGATTCCG
AGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTT

+

FF:
FF

@A00721:190:HGJW7DSXY:4:1160:22806:20823_1:N:0:TCTGCAAG+GCTGCACT
AGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATT
TTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATC
AGT

+

FF:FFF:FFFFFFFFF:FFFF::FFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:2264:13657:12242_1:N:0:TCTGCAAG+GCTGCACT
ATTTTTCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAG
ACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCGTGACGAA
CTG

[illegible][illegible]

```

FFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF:FFFFF,FFFFFFFF:FFFFFF::FFF:FFFF:FFFF:FFF:F:F

```

[illegible]

```

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFF,FFFFFFFFFFFF:FF:FFFFFFFFFFFF:FF:FFF:FFFFFFFF:FFFFFFFFFFFF:FFF:F:FFFFF
FFF

```

```

FFFFFFFFFFFFFFFF::F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:F:F:FFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF

```

[illegible][illegible]

@A00721:190:HGJW7DSXY:4:1338:14344:35289_2:N:0:TCTGCAAG+GCTGCACT
TGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2134:29252:16110_1:N:0:TCTGCAAG+GCTGCACT
AAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGT
AACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTT
GAA

+

FFFFFFFFFFFFFFFF,FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2126:11324:9799_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGATGAGGGTGTTTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2412:24641:1454_2:N:0:TCTGCAAG+GCTGCACT
CCAAAGAGAATATCTAAAATATTTACAAAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGT
TGCTTGTGCTTCCTCCTTTAATGGCACTACCTCGGTACAATCTTACT

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:1151:15058:7185_2:N:0:TCTGCAAG+GCTGCACT
GGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCTGAACGTCAA
CGTTCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2326:15374:22106_2:N:0:TCTGCAAG+GCTGCACT
TCATGAATTTTACAGAGGATGAAAAATTTTCTTCCTTGATTTTAAATATAAAGAATCTTTACCAGGACT
CCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2240:29432:8750_2:N:0:TCTGCAAG+GCTGCACT
AAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACA
TTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTAT

+

FFFF:FF
F,FFFFF:FFF::F:,:::FFF:FFFFFFFFFFFFFFFFFFFFFFFF,F,:FFFFFF

@A00721:190:HGJW7DSXY:4:2578:20871:25457_2:N:0:TCTGCAAG+GCTGCACT
TGTTAGAGTAGAATTCCTGAAGAGTCCTTCCGTAAACCAACTTCTTGACAATTTCTTCAATCCTTCGA
TAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1525:2908:22623_2:N:0:TCTGCAAG+GCTGCACT
GACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCTACGATAC
AAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCA

+

```
FFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F  

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFF  

@A00721:190:HGJW7DSXY:4:1375:21323:35352_2:N:0:TCTGCAAG+GCTGCACT  

AGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTGATAATCGCTGCATATTACGGATTACACGGTA  

CCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTATTAACCT  

+  

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFF  

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFF,FFFFF:  

@A00721:190:HGJW7DSXY:4:1238:13819:3505_2:N:0:TCTGCAAG+GCTGCACT  

TGTTCTCTGATCATTTTTGACAATCTCTTCTTATAATAAAATAAATAAATAATATTACTAATGGCAAATA  

GTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACG  

+  

:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::  

FFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF  

@A00721:190:HGJW7DSXY:4:1342:23393:10661_2:N:0:TCTGCAAG+GCTGCACT  

ATAGGTGAAGGATAGTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACC  

CAAATGAAGGACACTTCGAAACTGAATAATGATGCACAGATCGGAAG  

+  

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  

FFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF  

@A00721:190:HGJW7DSXY:4:1214:8323:34632_2:N:0:TCTGCAAG+GCTGCACT  

AGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTGATACAACTCTAG  

CCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATT  

+  

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  

@A00721:190:HGJW7DSXY:4:1112:16396:19993_2:N:0:TCTGCAAG+GCTGCACT  

TGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGA  

CTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGAC  

+  

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  

@A00721:190:HGJW7DSXY:4:1303:7247:15577_2:N:0:TCTGCAAG+GCTGCACT  

ATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTTCGTAGAACCAAGTACTTTCCGTCTGAA  

GAGTTTAGAGCTGCTATTGATTATGTAACCGATAGTAGTTGTATAGTT  

+  

FFF:F,FFFFFF:F:FF:FFF:FFFFFFFFFFFFFFFF::F:F,FFFFFF,FFFFFF:FFF:F::FFFF  

FF:FFFF,FFFFFFFF:,FF,FF,FFF,,:F:FF,F,:,:,FFFFFF,F  

@A00721:190:HGJW7DSXY:4:2317:7663:15483_2:N:0:TCTGCAAG+GCTGCACT  

ATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACT  

CCAAACACTATATACATTATAAAAATATAAAAAATAAGGGAGTCATAACT  

+  

FFFF,F:FFFFFFF,FFFFFFFFFFFFFFFF:FFFFFF::FFFF:F:FFFFFFFFFFFF:FFF::F::FF  

FFF,FFFF:F:F:F:FF:FFFFFFFFFFFFFFFF:FFF:FF::F::FF  

@A00721:190:HGJW7DSXY:4:1518:17598:29778_2:N:0:TCTGCAAG+GCTGCACT  

GGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTAC  

TTGATCTACGTCGTTTAACTGTGCGGAACAACCTTTACTTAGAATGACT  

+  

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF  

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  

@A00721:190:HGJW7DSXY:4:1316:31882:32315_1:N:0:TCTGCAAG+GCTGCACT  

CTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTT  

ACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTCCG  

TCC
```

+
FFFFFFFFFFFFFFFFFFFFFFFF:FF,F:FFFFFFFFFFFFFFFF:FF:FF,FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1676:10746:3129_2:N:0:TCTGCAAG+GCTGCACT
AGAGATCATCCGCAAACGACTCGAAACGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTAT
GAATCCTGCCAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGTAGTGG
+
FF:FFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFF,:FFF,:F,FFF:,F:F,
@A00721:190:HGJW7DSXY:4:2357:8368:30295_1:N:0:TCTGCAAG+GCTGCACT
CTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCC
GAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAATATTATCCGATTCTTCGAGGGTA
TCA
+
F:F:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2606:30508:34162_2:N:0:TCTGCAAG+GCTGCACT
CCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTAGAACTT
TATTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC
+
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFF,FF
@A00721:190:HGJW7DSXY:4:1123:26069:29168_2:N:0:TCTGCAAG+GCTGCACT
CGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTA
TGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGAC
+
FFF:FF:FFF
:F:FF:F
@A00721:190:HGJW7DSXY:4:1125:15691:6277_2:N:0:TCTGCAAG+GCTGCACT
ACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTT
ACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1212:9399:25347_1:N:0:TCTGCAAG+GCTGCACT
TAAAAATACTTCAAGTACCTGAACCTTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAA
CCTTCACTCTCGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGA
TTT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2460:17155:34773_2:N:0:TCTGCAAG+GCTGCACT
AAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCA
+
FFFFFFFFFFFFFFFFFFFFFFFF,F,FFFFFFFFFFFFFFFF,FFFFF:FF::FF:FFFF,:F::FF:
,:FF,:FFFFFFFFFFFFFFFF::FF,FF:FFFFFF:F,,F,:FF::FFF
@A00721:190:HGJW7DSXY:4:2512:27507:9518_2:N:0:TCTGCAAG+GCTGCACT
GCTCCAACCTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGT
CTCTACGTTACAGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGA
+

FFFFFFFFFFF,F:FFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:
FFFF:FFFFFFFFFF:FFFFFFFFFF,FFFFFFFFFFFF:FFFF
@A00721:190:HGW7DSXY:4:2611:3061:11710_1:N:0:TCTGCAAG+GCTGCACT
AAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTGCTCGTAACATTGACGGCAGT
CCCGTCATCTCTGTGGGAAGTACCTCAGTCAAAGTACATTACCACTCCCATAACCAAT
CAA
+
FFFFFF:FFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
F:F
@A00721:190:HGW7DSXY:4:2323:7473:22764_2:N:0:TCTGCAAG+GCTGCACT
TATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTGCTGGGAGGTACTGAAGCCTTCCCCTCCGCTG
GCACGAAGAAGACTCCAAGCCAATCAATAGTTCTTGACCAGAATG
+
FF
FF
@A00721:190:HGW7DSXY:4:2378:25970:31970_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTCCGATCTGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTC
CATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGG
AAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF:FF
FFF
@A00721:190:HGW7DSXY:4:2113:18900:9674_2:N:0:TCTGCAAG+GCTGCACT
ACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCTTAAGGGTAGCTGTAAAG
TTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGT
+
FF:F
FF
@A00721:190:HGW7DSXY:4:2121:31024:24878_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTCGCTACTGGCGACAACTGAGAG
CACTCGCTGGGGAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFF
@A00721:190:HGW7DSXY:4:2304:6117:29966_1:N:0:TCTGCAAG+GCTGCACT
GTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCG
GGA
+
FFFFFFF:FF
FF
FFF
@A00721:190:HGW7DSXY:4:2332:4246:2801_1:N:0:TCTGCAAG+GCTGCACT
CACTATTTTTGCCAGAAATGCGGGCTTTCTGACTGATGAGGTTAAAACTCTTGCTCCTTCTGTGGGTG
AGGGTTTTTGTATATTCACTGGTTCTGGGAGGCTGCTTCTCCATAATTACAACCTCTCTTTAGAG
AGC
+
FF
FF
FFF
@A00721:190:HGW7DSXY:4:2262:21649:30812_1:N:0:TCTGCAAG+GCTGCACT
TCCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTT

CGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCAT
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2541:31937:2503_2:N:0:TCTGCAAG+GCTGCACT
ATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGT
ATTTGAGAGAGGGGAGCTCTGAAAAGGAACTTCGTGAGAAAGATGAGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2218:29243:15280_2:N:0:TCTGCAAG+GCTGCACT
GTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATG
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1109:17861:28698_2:N:0:TCTGCAAG+GCTGCACT
ATCTTGAGGACGTACATTTAAAGTGGCAGAAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTG
TGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTG

+

FFF:FFFFFFFF:FF:FFFFFFFFFFFFFFFF, :FF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFF:FFFFFFFF: :FFF, F

@A00721:190:HGJW7DSXY:4:1402:9878:29434_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGT
TTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGG
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1178:17833:32503_2:N:0:TCTGCAAG+GCTGCACT
GCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATA
ATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1108:17445:12727_2:N:0:TCTGCAAG+GCTGCACT
TCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGA
GGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2635:9769:25238_2:N:0:TCTGCAAG+GCTGCACT
CGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTG
CGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2223:17219:14309_2:N:0:TCTGCAAG+GCTGCACT
TCATTTCTGTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACC
TTGGTATCGTTATCCGTCATGGAGATGATGCCGCATCACTTGATTACT

+

F:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2225:31439:28948_2:N:0:TCTGCAAG+GCTGCACT
AGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGA
GCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFF:
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFF:FFFFFFFF:
@A00721:190:HGJW7DSXY:4:2308:11695:25222_1:N:0:TCTGCAAG+GCTGCACT
AAGGGCTATTCACTACGTATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGA
CATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTTCATATA
GAT
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2223:25201:33332_1:N:0:TCTGCAAG+GCTGCACT
AAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAA
ACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCT
ACG
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2511:18430:21668_1:N:0:TCTGCAAG+GCTGCACT
TCTTGAAACTACGGTCCTTATCAAGGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGA
TTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCAT
GGA
+
FFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFF
FFF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2438:6849:32831_2:N:0:TCTGCAAG+GCTGCACT
TCAAACCTTCGAGGTTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGAC
TCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTA
+
FFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1220:7943:10895_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGC
CAC
+
FFF,FFF:FF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1440:6705:29919_2:N:0:TCTGCAAG+GCTGCACT
ATTCTTAAAAGAAGTTTATTAATAAATTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAAT
AGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF: :
@A00721:190:HGJW7DSXY:4:1119:31430:21574_2:N:0:TCTGCAAG+GCTGCACT
CAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTT

$+$

@A00721:190:HGJW7DSXY:4:2671:25283:8453_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1575:8214:16470_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1163:28393:28745 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1457:8919:29904 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2268:22128:25817 1:N:0:TCTGCAAG+GCTGCACT

 $+$

@A00721:190:HG1W7DSXY:4:2639:4698:3302 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HG1W7DSXY:4:1148:14470:19132 1:N:0:TCTGCAAG+GCTGCACT

GTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGC
TGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA
TGA

+
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:F,F,,:FFF::FFFF:FF:FF:FFFFFFFFFFFFFFFF:FFFFF:
FFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFF,FFFFFF
:::
@A00721:190:HGJW7DSXY:4:2631:2754:11115_1:N:0:TCTGCAAG+GCTGCACT
ATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATT
GATCTCCAAGTCGCAAACACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAG
TCT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1527:19226:9173_1:N:0:TCTGCAAG+GCTGCACT
GCCCCGCCGACGTTTGTGCGCAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCG
AGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAA
ATA
+
FFFFFFFFFFFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1334:1217:33630_2:N:0:TCTGCAAG+GCTGCACT
ATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCA
ACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTT
+
FF
FF:FFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2543:24306:4539_2:N:0:TCTGCAAG+GCTGCACT
AGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAAC
CACCTTAACGTCACCTCGGTAATCTTTCAGACGAATTAAGTACTAATGA
+
FFFFF::FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFF:,FFFFFFFFFFFFFF,FF:
:FF:FFFF:FFF,FF:FFFFFFFF:FFF:,F,FFFFFFFF:FFF:FF
@A00721:190:HGJW7DSXY:4:2321:25961:10974_2:N:0:TCTGCAAG+GCTGCACT
AAGGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCA
GTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATT
+
:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2127:28854:8124_1:N:0:TCTGCAAG+GCTGCACT
AATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTA
TATGACCTATTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGA
AGC
+
F:FFFFFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2677:4481:17644_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTTATGTATACAGAGATGACCAAGTGA
CGATTTCTCCCGAAGCTCTTCTCTCTCTTAGGAGGTCATGATGACTA
+
FF:FFFFFFFFFFFFFFFF:FFFF,FFFFFFFF:FFFFFF:, ,FFFFFFFF:FF:FFFF:FFFFFF:F:
FFFFF,F:F:FF:FF,FFFF,FFFFFFFFFFFFFF,F:FFFFFFFF,F
@A00721:190:HGJW7DSXY:4:2558:9824:24580_1:N:0:TCTGCAAG+GCTGCACT
CAGGAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAACACTT

TCTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCT
GTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2355:27977:33348_2:N:0:TCTGCAAG+GCTGCACT
GAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCG
AGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTT

+

FFFFFFFF:FFFFFF:::F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF
FFFF,FFFF:FFFF:FFF:FFFFFFFFFFFF,F:FFF:FFFFFF

@A00721:190:HGJW7DSXY:4:1176:2700:25363_1:N:0:TCTGCAAG+GCTGCACT
AGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGTAACGGTGCGTGCGCTTTATT
TAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATC
AGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2310:12933:19319_1:N:0:TCTGCAAG+GCTGCACT
ATTTTTCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTACGATAACAACATCAGTTGATTAAAG
ACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAA
CTG

+

FF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2542:10592:35869_2:N:0:TCTGCAAG+GCTGCACT
ATCACTCATTTTAGTGAGATTATTAACGCACTAAACGTTCTCGACAACAGCAGGGGTTTTCGAA
TAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATT

+

FF,
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2205:23276:18098_2:N:0:TCTGCAAG+GCTGCACT
CTGTCTCGCTCTTCGAATGAAGTTTAAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCA
TTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTA

+

FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2603:21549:28792_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGCTAAATTAACCAATTGTACGATGTCGTCTGTCTCGCGATCACTTTTACTAAGAATTGG
TCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTG
TTA

+

FF:FFFFFF
FF,FFFF
FFF

@A00721:190:HGJW7DSXY:4:2414:8522:15843_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACACAGAGGAACGTACCGGATTACCTGTCTTTCAT

+

FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2669:19967:13620_1:N:0:TCTGCAAG+GCTGCACT
GTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCG
ATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTT
GGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1257:23131:18724_1:N:0:TCTGCAAG+GCTGCACT
GATGAAGCTATAAGAGCGTTCTCATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC
ACAACGAAGGAGGAGGTTTCTGTTACTGGAACCCCTCGTCAATACTTTTCAATAATATACGTCTTG
AAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1369:23276:11929_2:N:0:TCTGCAAG+GCTGCACT
TGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT

+

FF
FFFFF:FFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1519:2926:28698_1:N:0:TCTGCAAG+GCTGCACT
AGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGACTCTTCGTCGATTGTATCAACAGTA
ACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTG
AAG

+

FFFFFF:FFFFFFF:FFFFFFFFF:F::FF
FFFFFFFF:FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2126:11731:12446_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGATGAGGGTGTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC

+

FFF:FFFFFFFFFFF,FFFFFFFFF::FFFFF:FFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFF:F
FFF,FFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1204:6325:4085_1:N:0:TCTGCAAG+GCTGCACT
CAAAGAGAATATCTAAATATTTACAAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTT
GCTTGTCGCTTCTCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTC
CGG

+

FFF:FF:FF,FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2212:24352:3897_1:N:0:TCTGCAAG+GCTGCACT
TCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACC
TTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCG
AGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2360:7789:7341_2:N:0:TCTGCAAG+GCTGCACT
TCATGAATTTTCAGAGGATGAAAAATTTTCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACT

CCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2269:24288:2503_2:N:0:TCTGCAAG+GCTGCACT
AAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACA
TTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTAT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1673:4698:33301_1:N:0:TCTGCAAG+GCTGCACT
TAGAGTAGAATTCCTGAAGAGTCCTTCCGTAAACCACTTCTTGACAATTTTCTTCAATCCTTCGATAA
TAGTTAAATCTAGGATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAA
TTA
+
FF:
FFFFFFFFFFFFFFFFFFFF,FFF
FFF
@A00721:190:HGJW7DSXY:4:1548:16251:31735_2:N:0:TCTGCAAG+GCTGCACT
GACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCTACGATAC
AAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCA
+
FF:F:,FFFFFFFFF:FFF:FF::F,F,FF,FFFFFFFF:FF:FFFF:FFFF:FFFFFFFF:F:FFFF
FFFF:FFFFFFFFFFFF:FFFFFFFFFF,FFF,FFFF,FFFFFF:FF:FF
@A00721:190:HGJW7DSXY:4:1504:24017:2722_2:N:0:TCTGCAAG+GCTGCACT
AGTCCCGCATTTGATAATAATGACGAGACTTTCGTCAATAATCGCTGCATATTACGGATTACACGGTA
CCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCT
+
FFFFFFFFFFFF:FF
FF:FF:FFFFFF
@A00721:190:HGJW7DSXY:4:1238:15103:4445_2:N:0:TCTGCAAG+GCTGCACT
TGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATAATATTACTAATGGCAAATA
GTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTTGATTACG
+
FF,FFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:1352:21151:25097_2:N:0:TCTGCAAG+GCTGCACT
ATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGCGCGGACTAATCTTAAAGCTTCACC
CAAAATGAAGGACACTTCGAACTGAATAATGATGCACAGATCGGAAG
+
FF:FFFFFF
FF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1232:32497:21950_2:N:0:TCTGCAAG+GCTGCACT
AGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCTAG
CCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATT
+
FF
FFFFFF:FF::FFF:F
@A00721:190:HGJW7DSXY:4:1117:27516:3740_2:N:0:TCTGCAAG+GCTGCACT
TGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGA
CTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGAC
+
FFF::FFF,FFFFFFFFFF,FFFFFFFFFFFF:FFF,FFFF:FFFFFFFFFFFF:FFFFFF:F:FFFF,FF
FFFFFFFF:FFFFFF:F::FFFFFFFFFFFF:FFFFFF:FF:FFFF:FFF

+

@A00721:190:HGJW7DSXY:4:1220:20889:10582_1:N:0:TCTGCAAG+GCTGCACT
TAAAAATACTTCAAGTACCTGAACCTTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAA
CCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGA
TTT

+

@A00721:190:HGJW7DSXY:4:2509:24749:11412_2:N:0:TCTGCAAG+GCTGCACT
AAAACTCCATTGTATAGTTCAAGGAGTACTTAATTC AATAGCTTTAGTATTATTTACTATCGCCTTT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGA

+

@A00721:190:HGJW7DSXY:4:1209:26169:14904_2:N:0:TCTGCAAG+GCTGCACT
AACTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTA
CGTTCAGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGC

+

@A00721:190:HGJW7DSXY:4:2469:15971:14622_1:N:0:TCTGCAAG+GCTGCACT
GCTGTTGCCAGAGGAAAGCAGCGACCAACCGAGGTCGCTCGTAACATTGATGGCAGTCCCGTCATCTC
TGTGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTGA
CT

 $+$

@A00721:190:HGJW7DSXY:4:2656:28537:27336_2:N:0:TCTGCAAG+GCTGCACT
TCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCA
ATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTA

+

@A00721:190:HGJW7DSXY:4:2167:12671:31986_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAA
TTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAA
AGA

+

@A00721:190:HGJW7DSXY:4:1319:13856:28557_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTCTGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGA
CGA

+

[illegible]

+

@A00721:190:HGJW7DSXY:4:1369:27606:2926_2:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGA

+

@A00721:190:HGJW7DSXY:4:2447:24053:3724_1:N:0:TCTGCAAG+GCTGCACT
CACTATTTTTGCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTG
AGGGTTTTTGTATATTCACCTGGTTCTGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAG
AGC

+

@A00721:190:HGJW7DSXY:4:2630:10728:4664_1:N:0:TCTGCAAG+GCTGCACT
TCCACATATGGTAGACGTTGTCACACTTTTCTTGAAAAATTTTTCCTTTCCTCCGTCATTGGGGATTT
CGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCAT
GAT

+

@A00721:190:HGJW7DSXY:4:1350:17164:18161_2:N:0:TCTGCAAG+GCTGCACT
GAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCTATT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCTAGAAGATGAGGAAG

 $+$

@A00721:190:HGJW7DSXY:4:2264:16893:30436_2:N:0:TCTGCAAG+GCTGCACT
GTTTGAGGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATG
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAG

+

@A00721:190:HGJW7DSXY:4:1151:4951:30264_2:N:0:TCTGCAAG+GCTGCACT
ATCTTGAGGACGTACATTTAACGTGGCAGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTG
TGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTG

+

@A00721:190:HGJW7DSXY:4:2171:9417:8061_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGT
TTTGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGG
TTG

+

FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1268:24840:23844_2:N:0:TCTGCAAG+GCTGCACT
GCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATA
ATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTG

+

FF:FF
FF:FFFFFFFFFFFFFFFF,

@A00721:190:HGJW7DSXY:4:1130:1063:10410_2:N:0:TCTGCAAG+GCTGCACT
TCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGA
GGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACG

+

FFFFFFFFF:,FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2517:11008:35180_2:N:0:TCTGCAAG+GCTGCACT
GTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACG
ATATCTCTCTTGATGATGATAGCCACTATAATGCTTAAGAGAGAGATTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1167:7943:33129_1:N:0:TCTGCAAG+GCTGCACT
GGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAA
GATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTCTGG
GGA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2649:20618:32221_2:N:0:TCTGCAAG+GCTGCACT
AGTTCCGAATAACTCGTAATAAATCTTTCTCTAGTGACAATTCAGAATACCTATTTCCGTACCAAGA
GCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGA

+

FF,FFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:2630:26015:19085_1:N:0:TCTGCAAG+GCTGCACT
AAGGGCTATTAGTACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGA
CATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATA
GAT

+

FFFFF:FF:FFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2255:29306:28228_1:N:0:TCTGCAAG+GCTGCACT
AAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAA
ACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCT
ACG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2657:6470:7623_1:N:0:TCTGCAAG+GCTGCACT
TCTTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGA
TTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCAT
GGA

+
FFFFFFFFFFFFFFFFFFFFF, FFFF:FF
FF: FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2516:28266:31563_2:N:0:TCTGCAAG+GCTGCACT
TCAAACCTTCGAGGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGAC
TCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTA
+
FFFF:FF, FFFFFFFF
FFFFFFFFFF:FFFFFFFFFFFFFF, FF:FFFFFFFF:FFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1269:14525:21230_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGAGTCGTTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGC
CAC
+
FF
FF: FFFF
FFF
@A00721:190:HGJW7DSXY:4:1562:27181:23641_2:N:0:TCTGCAAG+GCTGCACT
ATTCTTAAAAGAAGTTTATTA AAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAAT
AGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGA
+
FF, F
FFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1245:30581:13808_2:N:0:TCTGCAAG+GCTGCACT
CAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAGATCCTT
TGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGT
+
FF: FFF: FFF
FF, FFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1325:24641:7028_2:N:0:TCTGCAAG+GCTGCACT
GTACAGGGAGGAGGTAATAGTTATA AAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTT
GAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTACACTCGA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF: FFFF: FFF:, FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1613:20229:28447_2:N:0:TCTGCAAG+GCTGCACT
CCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAAC CAGGACTGATGGTGAGATTCTTTTACC
TTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1207:1877:30671_1:N:0:TCTGCAAG+GCTGCACT
TTTCGTTTTAGCTGGATGGATCTTTTGATGGTATGTTTACATTGCGTGATCACTTCCC GTGGACTT
GGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGT CGATGAT
GTT
+
FFFFFFF: FFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1512:5511:4648_1:N:0:TCTGCAAG+GCTGCACT
TTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAAGAAAGTTCATGAGGATGT
CTTGGTCGAAAAATATCGCCGGGA ACTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCG
ATC

+
FFFFFFFF:FFFFFF:FF:F:FFFFFFFFF:FFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF::FFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2301:19651:30264_1:N:0:TCTGCAAG+GCTGCACT
ACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGAC
CTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGA
GTG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2639:5448:3787_1:N:0:TCTGCAAG+GCTGCACT
GTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAGAAAAGTATG
ATGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCC
AGA
+
FFFFFFFFFFFFFFFFFFFF:FF:FF
FFFFFFFFFFFFFFFFFFFF:FFF,FF
FFF
@A00721:190:HGJW7DSXY:4:1217:12879:26553_1:N:0:TCTGCAAG+GCTGCACT
GTTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGC
TGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA
TGA
+
FF
FFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2228:25382:34115_1:N:0:TCTGCAAG+GCTGCACT
TCTACTTAAGCGCGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTG
ATCTCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGT
CT
+
FF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1613:19633:9345_1:N:0:TCTGCAAG+GCTGCACT
GCCCCGCCGACGTTTGTGCGGAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCG
AGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAA
ATA
+
FF:FFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1420:27715:12915_2:N:0:TCTGCAAG+GCTGCACT
ATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCA
ACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTT
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF
FFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1623:1145:9017_1:N:0:TCTGCAAG+GCTGCACT
AGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGAAC
CACCTTAACGTCACCTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATC
GAA

+
FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FF:F:FFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1263:6370:9893_1:N:0:TCTGCAAG+GCTGCACT
TAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAG
AGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGT
TTT
+
:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:2304:10836:34256_1:N:0:TCTGCAAG+GCTGCACT
AATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTA
TATGACCTATTTTAAGCTCATGGTGAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGA
AGC
+
FFFFFFFFFFFFFFFFFFFF,FFFF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2127:25717:2691_2:N:0:TCTGCAAG+GCTGCACT
TGTGAGGAGAGTCAAACAGTGTCTTTTACCCAACATTTTATGTATACAGAGATGACCAGTGACGATT
TCTCCCGAAGCTCTTCTCTCTTAGGAGGTCATGATGACTACTCTA
+
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF:FFF:FFF:FF:FFFFFFFF,F,FFFFF:FFFFFF,FF:F,F:
@A00721:190:HGJW7DSXY:4:2228:10185:24706_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTG
GTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FF:FF
FFF
@A00721:190:HGJW7DSXY:4:2378:18141:36385_2:N:0:TCTGCAAG+GCTGCACT
GAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTAAACGATTCCG
AGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:F::FFF:F
FFFFFFFFFFFF:FFFF::F,:FFFFFFFFFFFF:FFFF,FFFF:F
@A00721:190:HGJW7DSXY:4:1518:9182:14732_1:N:0:TCTGCAAG+GCTGCACT
AGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATT
TTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATC
AGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2310:13684:18897_1:N:0:TCTGCAAG+GCTGCACT
ATATTTCCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAAG
ACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCGTGACGAA
CTG
+
F:,FF:FFFF,FFF,,FF::FFF:FFFFFF,FF:,F:FF:FFFFFFFF:FFFF:,FF::FF:FFFFFF

FFFF::FF:FFFFFFFFF,F:FFFFFFFF,FF:FF:FF:FFFF:FFFF:FFFF:FFFF,FFFF
FFF

@A00721:190:HGJW7DSXY:4:2566:4119:22654_2:N:0:TCTGCAAG+GCTGCACT
ATCACTCATTTTAGTGAGATTATTAACGCGACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAA
TAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATT

+
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF
FFFFFFFF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2320:26323:21778_2:N:0:TCTGCAAG+GCTGCACT
CTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCA
TTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTA

+
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1310:5909:5776_1:N:0:TCTGCAAG+GCTGCACT
ATTAACCATTTGTACGATGTCGTCTGTCTCGGCATCACTTTTCTACTAAGAATTGGTCTACTTTTG
GACAAGCCAACCTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTT
GAG

+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2176:26024:22889_1:N:0:TCTGCAAG+GCTGCACT
GCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATG
AAACTACAGAGGAACGTTCCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTT
TG

+
FFFFFFFFFFFFFFFF,F:FFFF:FFFF:FFFFFFFF:FFFFFFFFFFFF,F:FFFF:FF:FFFF:
FFFFFFFFFFFFFFFF:FFF:FFFF:F,:FF:FFFFFFFFFFFFFFFF:F:FFFF:FFFF,F:FFF
FF

@A00721:190:HGJW7DSXY:4:1646:8947:32612_1:N:0:TCTGCAAG+GCTGCACT
GGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATA
CTTCTATCGTCTTACGTTACGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTTGA
GGT

+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1152:24858:17394_2:N:0:TCTGCAAG+GCTGCACT
AGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAACTTTCAGTTTCACAACTGAAGGAGG
AGGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATAC

+
FF
FF,FFFF

@A00721:190:HGJW7DSXY:4:1414:6723:15264_2:N:0:TCTGCAAG+GCTGCACT
TGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAACTTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT

+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF: :FFFFFF,FFFFFFFFFFFFFFFF:FFF:

@A00721:190:HGJW7DSXY:4:1537:29125:3709_1:N:0:TCTGCAAG+GCTGCACT
AGGATGTGCACTTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTA
ACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTG
AAG

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2126:11975:12430_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGTATGAGGGTGTCTTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1270:23773:24659_1:N:0:TCTGCAAG+GCTGCACT
CAAAGAGAATATCTAAATATTTACAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTT
GCTTGTGCGCTTCCTCTTAAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTC
CGG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2308:14669:22013_1:N:0:TCTGCAAG+GCTGCACT
TCTGTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACC
TTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCG
AGG
+
FFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1661:22227:18912_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCCTTGATTTTAAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATC
GTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCTA
AGT
+
FFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1470:23393:24032_1:N:0:TCTGCAAG+GCTGCACT
CAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCGT
AAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAGAA
TAC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2115:11261:5963_1:N:0:TCTGCAAG+GCTGCACT
TAGAGTAGAATTCCTGAAGAGTCCATCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAA
TAGTTAAATCTAGTATTATGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAA
TTA
+
FF,F,:F:FFFFFFFF:FFFFFFFF,FFF,FFF,:FF:,FFFF,FFFFFFFFFFFF,,FF,F,F,F,FFFF
,F:F:FFFFFFFF:,FFFF,FFF:F:,FFFF:F,F,FF:F,,:FFF,F,FF:F:FFF,FFFF:FFF:
FFF
@A00721:190:HGJW7DSXY:4:1215:17906:14434_1:N:0:TCTGCAAG+GCTGCACT
GACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCTACGATAC
AAATGATAACTTCTAATTTACGTTTGTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTT
ATC

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1131:23032:7748_2:N:0:TCTGCAAG+GCTGCACT
GGCATTGTATAATACGACTTCGCATCGCATATTACGATTACACGGTACCAGCG
CATCTCGTGCGAGCCGACCCGATTATATGGTTAACTTATAAAG

+
FFFFFFFFFFFFFFFF:F:FF
FF

@A00721:190:HGJW7DSXY:4:1550:3206:21230_2:N:0:TCTGCAAG+GCTGCACT
TGTTCTCTGATCATTTTTGACAATCTCTTTATAATAAAAATAATAATAATTACTAATGGCAAATA
GTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACG

+
FF
FF

@A00721:190:HGJW7DSXY:4:2123:3251:21057_2:N:0:TCTGCAAG+GCTGCACT
ATAGGTGAAGGATAGTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTACC
CAAATGAAGCACCTTCGAACTGAATAATGATGCACTACAAACAAG

+
FFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:1559:24189:5431_2:N:0:TCTGCAAG+GCTGCACT
AGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATCTTTTGATACAACCTTAG
CCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATT

+
FF:
FFFFF:FFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:1117:28311:3834_2:N:0:TCTGCAAG+GCTGCACT
TGCTATGTCAGAAGAAGCTATTCAAGCTTGTGCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGA
CTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGAC

+
FFFF:FF:FFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2171:3504:33270_2:N:0:TCTGCAAG+GCTGCACT
ATAGTGGGATAATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTGAA
GAGTTTAGAGCTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTT

+
FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:,FF:FF:FFFFFFFFF:FFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2650:4372:17863_2:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACGTTGCAGATCGCCACT
CAAACACTATATACATTATAAAATATAAAAAATAAGGGAGTCATAACT

+
FF
FF

@A00721:190:HGJW7DSXY:4:2477:14959:12148_2:N:0:TCTGCAAG+GCTGCACT
GGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTAC
TTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACT

+
FFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1617:28655:24533_1:N:0:TCTGCAAG+GCTGCACT
CTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTT

ACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCG
TCC

+

FFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FFFF::FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2675:10818:32440_2:N:0:TCTGCAAG+GCTGCACT
AGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTAT
GAATCCTGCCAGATCGGAAGAGCGTCGTGTCGGGAAAGAGTGTAGTGC

+

FFFFFFFFFFFFFFFF:FF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF,FFFF,:FFFFFFFFFF,

@A00721:190:HGJW7DSXY:4:2662:21088:34381_1:N:0:TCTGCAAG+GCTGCACT
CTTTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCC
GAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACTATTATCCGATTCTTCGAGGGTA
TCA

+

FF
FF:FFFFFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2167:30924:4038_2:N:0:TCTGCAAG+GCTGCACT
CGATGTTTATATTTTCTATAAGGGAATAAGCAATAATCAAATTCGACAAATTTAGAACTTTATT
TCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTT

+

FF:
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1355:26142:30765_2:N:0:TCTGCAAG+GCTGCACT
CGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTA
TGATATTTATTTTACTTAACTTTAAATAGCACCGATTATAACTTGAC

+

FF:
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF::FF

@A00721:190:HGJW7DSXY:4:1403:2031:29590_2:N:0:TCTGCAAG+GCTGCACT
ACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTT
ACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA

+

FF,FFFF:F:FFFF:F:FF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFF,FFF,FFFFFFFF
FFF:FFF,FFFF,FFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1266:19144:9909_1:N:0:TCTGCAAG+GCTGCACT
TAAAAATACTTCAAGTACCTGAACCTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAA
CCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGA
TTT

+

FF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2510:14525:9612_2:N:0:TCTGCAAG+GCTGCACT
AAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTACTATCGCCTTT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCA

+

FF:
FFFF:FFF:FFFFF:FFF:FFFFFFFFFFFFFFFF:FFFF:F:FFFF:

@A00721:190:HGJW7DSXY:4:1339:4553:8844_2:N:0:TCTGCAAG+GCTGCACT
AACTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTA

+

@A00721:190:HGJW7DSXY:4:2626:6714:21699_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTCCGCGACCAACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTC
TGTGGGAAGTGAAGGAGTACCTCAGTCAAAAGTCACATTACCACTCCCATGCCAATCAATGATGTGA
CT

+

@A00721:190:HGJW7DSXY:4:2656:29658:28119_2:N:0:TCTGCAAG+GCTGCACT
TCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCA
ATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTA

+

@A00721:190:HGJW7DSXY:4:2228:24587:35587_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAA
TTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAA
AGA

+

@A00721:190:HGJW7DSXY:4:1425:24469:16188_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACCTGAGGA
CGA

+

@A00721:190:HGJW7DSXY:4:1523:30798:27367_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCG
ACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCG
CGC

 $+$

@A00721:190:HGJW7DSXY:4:1556:26449:6652_2:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGA

+

@A00721:190:HGJW7DSXY:4:2521:25554:27367_1:N:0:TCTGCAAG+GCTGCACT
CACTATTTTTGCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTG
AGGGTTTTTGTATATTCAC TGGTTCTGGGAGGCTGCTTCTCCATAATTACAACCTCTCTTTAGAG
AGC

+

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:1450:24858:17550_1:N:0:TCTGCAAG+GCTGCACT
AGTTTCAGACGTGTGCTCTTCCGATCTCTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTT
CGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCAT
GAT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1454:10420:20165_2:N:0:TCTGCAAG+GCTGCACT
GAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAG

+
FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFF:FFFF
FF

@A00721:190:HGJW7DSXY:4:2307:17671:15060_2:N:0:TCTGCAAG+GCTGCACT
GTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATG
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAG

+
FF
FFFFF:FF,FFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1338:7600:20979_2:N:0:TCTGCAAG+GCTGCACT
ATCTTGAGGACGTACATTTAACGTGGCAGAAATTCGGTAACCTACCATATTGTTCTTCCGGGAAGTTG
TGGGATTAACTTTGACTCAACTACTCCGATCAGATCCGATGGTTTG

+
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::F:FFFFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFF:FF:FF,FFFF,FF

@A00721:190:HGJW7DSXY:4:2522:3857:26303_2:N:0:TCTGCAAG+GCTGCACT
ATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTC
TAAGAGTCTTTATGATTCAAACCTATCGTTGTCGTACCTTACAAGGT

+
FF
FF

@A00721:190:HGJW7DSXY:4:1268:24894:23156_2:N:0:TCTGCAAG+GCTGCACT
GCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATA
ATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTG

+
FF
FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1211:21296:33896_2:N:0:TCTGCAAG+GCTGCACT
TCATATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGA
GGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACG

+
FF
FFF:FF

@A00721:190:HGJW7DSXY:4:2545:5005:31673_2:N:0:TCTGCAAG+GCTGCACT
GTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACG
ATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTG

+
FFFFFFFFFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1327:12057:8782_1:N:0:TCTGCAAG+GCTGCACT
GGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAA

GATTTTATCTTTCTTCAAACACCCTGTTTTCCTTAAGGGCGGACAATTGTTCCATTGTGAACTCTTGG
GGA

+

FF
FFFFF:FFFFFFFFFFFFFFF,FF:FFFF:FFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1331:14299:3740_1:N:0:TCTGCAAG+GCTGCACT
AGTGACTGGTGTTCAGACGTGTGCTCTTCCGATCTATTTCAGAATACCTATTTCCGTACCAAGAGCCAC
TGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTGTTCTCAATAAAAAATTTT
CTC

+

F:FF,:FFF,FFFFFFFFFFFFFFF,FFFF,FF:FFF:FFFFFFFF:FFFFFFFF:FFF:,::FF:F,FF
FF,FFFFFFFFF:FFFFFFFF,FFF::FFFFFFFFFFFFFFF,F:,FF,FFFFFFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:2327:13431:13949_2:N:0:TCTGCAAG+GCTGCACT
ACGTGATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAAC
AACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2509:28890:21684_1:N:0:TCTGCAAG+GCTGCACT
AAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAA
ACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTACTGAGAGAAAAGATTCAGGACGCCT
ACG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1363:29351:10332_2:N:0:TCTGCAAG+GCTGCACT
TTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATT
GAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTT

+

FF:F::FFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF:FFFFFFFFFFFF,FFFF:FFFFFFFFFFFF
FFFFFFFFFFFFF,FFFFFFFF,FFFFFF:FFFFFFFFFFFF:,FFF:F

@A00721:190:HGJW7DSXY:4:1253:32524:11851_1:N:0:TCTGCAAG+GCTGCACT
CTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTCGAGGTTGAGCTACGAGAGGTGATCCCGGATGT
GGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAGAATTGGGTTGAGAAGTG
TGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1303:14633:1532_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGTTCTCAAGGCTCTCATCGC
CAC

+

FFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1622:18819:25128_2:N:0:TCTGCAAG+GCTGCACT
ATTCTTAAAAGAAGTTTATTAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAAT
AGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGA

+

FF
F:FF
@A00721:190:HGJW7DSXY:4:1517:25201:12633_2:N:0:TCTGCAAG+GCTGCACT
CAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTT
TGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCTACGT

+
FFFF,FFFF::FFFFFFFF:FFFF:FFFFF:FF:FFFF:FFFFFFFFFFFFFFFFFFFF,FFFFF
F,:F:FF,FFFFFFFF:FF,:F,F:FF,FF:F,F:FFF:FF,FF::
@A00721:190:HGJW7DSXY:4:1618:19786:28526_2:N:0:TCTGCAAG+GCTGCACT
GTACAGGGAGGAGGTAATAGTTATAAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTT
GAAATGGACAAAATCTGGGATCATAGGTATGTGTCACGCTACACTCGA

+
FFFFFFFFFFFFFFFF:FF,F
FF
@A00721:190:HGJW7DSXY:4:1642:2130:11318_2:N:0:TCTGCAAG+GCTGCACT
CCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACC
TTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCA

+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF,FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1568:10782:16282_1:N:0:TCTGCAAG+GCTGCACT
TTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTT
GGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGAT
GTT

+
FFFFF:FF,F
FF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2312:9435:21308_1:N:0:TCTGCAAG+GCTGCACT
TTACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGT
CTTGGTCGAAAATATCGCCGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCG
ATC

+
FF::FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2546:4191:32612_1:N:0:TCTGCAAG+GCTGCACT
ACCGTCTCAGGAAGTGTCTCCACTGATTTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGAC
CTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGA
GTG

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2610:5448:8108_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCG
GCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCTTTTGGTGATTTTATCAAAGAGAAAGTT
TCT

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1521:21630:10582_1:N:0:TCTGCAAG+GCTGCACT
GTTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGC

ATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTT
GGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2376:3712:16344_1:N:0:TCTGCAAG+GCTGCACT
GATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC
ACAACGAAGGAGGAGGTTTCTGTTACTGAAAACCCCTCGTCAATACTTTTCAATAATATACGTCTTG
AAC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFF:FFF:FFF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1451:16134:16313_2:N:0:TCTGCAAG+GCTGCACT
TGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT

+

FFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:1558:31991:8234_1:N:0:TCTGCAAG+GCTGCACT
AGGATGTGCACTCTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTA
ACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTG
AAG

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2161:21992:31000_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGATGAGGGTGTTTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2156:29107:29512_1:N:0:TCTGCAAG+GCTGCACT
CAAAGAGAATATCTAAATATTTACAAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTT
GCTTGTCGCTTCCTCTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTC
CGG

+

FF,FFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFF
FFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2323:19226:11083_1:N:0:TCTGCAAG+GCTGCACT
TCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTTGTTTCGTACC
TTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCG
AGG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2119:5213:30091_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCCTTGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATC
GTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAACTCTA
AGT

+
FFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1663:2157:34851_1:N:0:TCTGCAAG+GCTGCACT
CAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCGT
AAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAGAA
TAC
+
FF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2542:3468:24471_1:N:0:TCTGCAAG+GCTGCACT
TAGAGTAGAATTCCTGAAGAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAA
TAGTTAAATCTAGGATTATGTCTGTGTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACACAA
TTA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1525:12924:21997_1:N:0:TCTGCAAG+GCTGCACT
GACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTTCTACGATAC
AAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTT
ATC
+
FF
:FFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1149:12933:7607_2:N:0:TCTGCAAG+GCTGCACT
GGCATTGTGATAATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCG
CATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FF
@A00721:190:HGJW7DSXY:4:1550:3405:21136_2:N:0:TCTGCAAG+GCTGCACT
TGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAAATA
GTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACG
+
FF,FFFF,FFFFFFF
FFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2304:3983:22294_2:N:0:TCTGCAAG+GCTGCACT
ATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACC
CAAAATGAAGGACACTTCGAAACTGAATAATGATGCACAGATCGGAAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1652:17987:8249_2:N:0:TCTGCAAG+GCTGCACT
AGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAG
CCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1272:11451:7952_2:N:0:TCTGCAAG+GCTGCACT
TGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGA

$+$

@A00721:190:HGJW7DSXY:4:2224:14425:23218_1:N:0:TCTGCAAG+GCTGCACT
TAAAAATACTTCAAGTACCTGAACCTTTACATTTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAA
CCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTGGGA
TTT

+

@A00721:190:HGJW7DSXY:4:2608:17951:24627_2:N:0:TCTGCAAG+GCTGCACT
AAAACTCCATTGTATAGTTCAAGGAGTACTTAATTC AATAGCTTTAGTATTATTTACTATCGCCTTT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGA

+

@A00721:190:HGJW7DSXY:4:1355:24523:10457_2:N:0:TCTGCAAG+GCTGCACT
AACTGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTA
CGTTCAGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGC

+

@A00721:190:HGJW7DSXY:4:1136:6099:13714_2:N:0:TCTGCAAG+GCTGCACT
AGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTCTGTGGGAAGTGGAGGAGTACCTCAGTCAAAA
GTCACATTCACTACTCCCATGCCAATCAATGATGTGACTATACAGTTC

+

@A00721:190:HGJW7DSXY:4:1554:1823:14199_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGGAAGCACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAT
GTC

 $+$

@A00721:190:HGJW7DSXY:4:2656:3423:22983_2:N:0:TCTGCAAG+GCTGCACT
AGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGG
TTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGT

+

@A00721:190:HGJW7DSXY:4:1654:23882:30514_1:N:0:TCTGCAAG+GCTGCACT
TCTTGAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTTGAGACCAAGACTCTCTACAGT
AGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGG
CTA

 $+$ [illegible]

@A00721:190:HGJW7DSXY:4:2304:6117:29966_2:N:0:TCTGCAAG+GCTGCACT
CGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTT
TGGAGGATTTTATCCGCGCTTAACCTATGGGGCGAAGATCCCCTATGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1165:11216:10833_2:N:0:TCTGCAAG+GCTGCACT
TATTTATGCCGACGATAATAAGCATGTACCCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAG
AGTGTGAGAGAGTCGCTCTCACTATTTTTGCCGAGAATGCGGGCCTTC

+

FF:FF
FF

@A00721:190:HGJW7DSXY:4:2602:30092:35321_1:N:0:TCTGCAAG+GCTGCACT
GAGAGCATTAGAAGGAAGTTGGGCAAATTCACACATATGGTAGACGTTGTCACACTTTTCTTGAAAAT
TTTTCTTTCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATG
CTG

+

FFFF: :FF:FFFF,FF: :FFFF:FF:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1656:2582:4586_2:N:0:TCTGCAAG+GCTGCACT
ATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGAT
TAAGAGTCCAGCTGTAACGTCAATTCAGAGAGGGGAGCTCTGAAAAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2402:13657:32127_2:N:0:TCTGCAAG+GCTGCACT
GTTTGAGGAAGGCTCTAGAGAAGATCTCACACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATG
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAG

+

FF:FFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:1363:24605:31485_2:N:0:TCTGCAAG+GCTGCACT
ATCTTGAGGACGTACATTTAACGTGGCAGAATTCCGTAACCTACCATATTGTTCTTCCGGGAAGTTG
TGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGATGGTTTG

+

FF:F:FFFF:FFFFFFFFFFFFFFFF:F,FFFF
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1402:9715:29496_2:N:0:TCTGCAAG+GCTGCACT
CAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAA
GAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGA

+

FF, :FFFFFFFF:FFFFFFFFFFFF,
FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1373:8341:10676_2:N:0:TCTGCAAG+GCTGCACT
GCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGAGCCATATCGAGACTATGTTATA
ATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTG

+

FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F:FF

@A00721:190:HGJW7DSXY:4:1226:28935:2503_2:N:0:TCTGCAAG+GCTGCACT
TCATATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGA
GGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACG

+

FF
FFF

@A00721:190:HGJW7DSXY:4:2555:22661:15217_2:N:0:TCTGCAAG+GCTGCACT
TGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCCA
GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1611:29225:33505_1:N:0:TCTGCAAG+GCTGCACT
GTTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGC
TGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA
TGA

+

:FFF,FFFFFFFFFFFFFFFFFFFFFFFFF:
FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1303:6135:21512_1:N:0:TCTGCAAG+GCTGCACT
CTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGA
TCTCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTC
TCA

+

FF
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2570:20925:34350_2:N:0:TCTGCAAG+GCTGCACT
CGGCCGACGTTTGTGCGGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGA
GAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACGTCGAA

+

FFFFFF:FF,FFF,FFFFFFFF:FFF
FFFFFF:FFF,,F,F

@A00721:190:HGJW7DSXY:4:1610:11125:14058_2:N:0:TCTGCAAG+GCTGCACT
ATGCTACTTGTGAGAGGATCAATCACAGTAAGGAACTGTCACGTTTAGCACGGGAGGTTGCAGATTCA
ACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTT

+

FF
FFFFFFFFFF:FFF:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2104:25744:32174_1:N:0:TCTGCAAG+GCTGCACT
AGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAAC
CACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGTTGTCGATC
GAA

+

FF,FF:,F,F,F,:FF,FFFF:FFFFFFFF:F,FF,F:FFFFFF:FFF,FFFF:FFFFFFFFFFFFFFFFF
,FF:FFFFFF:,F:,FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFF

@A00721:190:HGJW7DSXY:4:1540:6442:9204_1:N:0:TCTGCAAG+GCTGCACT
TAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAG
AGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGT
TTT

+

FFF,FFF:FFFFFFFFFFFFFFFFF:FFFFFFFF:F:FFFFFFFFF
FFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1170:31114:8469_1:N:0:TCTGCAAG+GCTGCACT
ATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTAT

ATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAA
GCA

+

:FFF:FFFF,FF,FFF,FF:FFFF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2326:1127:6793_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTG
GTT

+

FF:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2532:14208:12978_2:N:0:TCTGCAAG+GCTGCACT
GAGGGTCGTTATACCTATTCGGCTATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCG
AGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTT

+

FF:FFFF
FF

@A00721:190:HGJW7DSXY:4:2321:20202:5165_1:N:0:TCTGCAAG+GCTGCACT
AGACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGTAACGGTGCGTGCGCTTTATT
TTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATC
AGT

+

FFF,,F:FFFF:FFFFFFFF,,FFFFFFFF:FFFFF:FFF,FFFFFFFF,FFFFFFFF:,,,FFFFF
FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF,FFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2378:10474:27555_1:N:0:TCTGCAAG+GCTGCACT
ATTTTTCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAG
ACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAA
CTG

+

FFFF:FFFFFFFFF:FF:FFFF,FFFFFFFF
FF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF::
FFF

@A00721:190:HGJW7DSXY:4:2606:11134:21465_2:N:0:TCTGCAAG+GCTGCACT
ATCACTCATTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAGCCGGGTTTTTCGAA
TAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATT

+

FF,FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2543:8278:26757_2:N:0:TCTGCAAG+GCTGCACT
CTGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCA
TTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:F:F:F:FFFFFFFFFFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1601:27489:14716_1:N:0:TCTGCAAG+GCTGCACT
ATTAACCATTTGTACGATGTCGTCTGTCTCGCGCATCACTTTTACTAAGAATTGGTCTACTTTTG
GACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGTTGTTAGGGATTTT
GAG

+

:FFFFFFFF,,FFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFF,FFFF:FFFFF:FFF

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1504:29215:31203_2:N:0:TCTGCAAG+GCTGCACT
AATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAAC
TACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACC

+

FF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1649:17146:15687_1:N:0:TCTGCAAG+GCTGCACT
GGATGTCAAGAAGGGTTCAGAAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATA
CTTCTATCGTCTTACGTTACGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTTGGA
GGT

+

FFFFF:FFFFFFFFFFFFFF:FFFFFFFF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:::
FFF:FFF,:FFFFFFFF,FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1535:22589:27524_2:N:0:TCTGCAAG+GCTGCACT
AGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGG
AGGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATAATATAC

+

FFFFF:FFFFFFFFFFFFFF,FF:FF
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1453:31394:20384_2:N:0:TCTGCAAG+GCTGCACT
TGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1627:21811:3380_1:N:0:TCTGCAAG+GCTGCACT
AGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTA
ACATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTG
AAG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2161:22327:31078_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGATGAGGGTGTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC

+

FFF,F:FFFFFF:,FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FF:FFFFFF,FFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F:F:FFFF,FFFF:

@A00721:190:HGJW7DSXY:4:2431:31195:8923_1:N:0:TCTGCAAG+GCTGCACT
CAAAGAGAATATCTAAATATTTACAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTT
GCTTGTGCTTCTCTCTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTC
CGG

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2333:5538:1157_1:N:0:TCTGCAAG+GCTGCACT
TCTGTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACC
TTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCG
AGG

[illegible][illegible]

```
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF  
FFF
```

[illegible][illegible]

```
,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

[illegible]

$+$ $+$

+

 $+$

+

+

+

+

[illegible]

```
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFF  
,FFFFF;FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

```
+
F:FFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFF:F,:F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

[illegible]

```
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

[illegible]

+
F,,,:,,,:F,FF,,,FF:,FF,F::,FFF,FF,,,,,:FFF,:F,:F,FFFFFF,F,FFFFFF
..FFF::F:F..FF.FF.F..F.FF..FF.....F:F.FFFFFFF:..F.

[illegible]

@A00721:190:HGJW7DSXY:4:1114:4689:25895_1:N:0:TCTGCAAG+GCTGCACT
TCAGACGTGTGCTCTTCCGATCTCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAA
GAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTA
GCT

+

FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2313:12870:35963_1:N:0:TCTGCAAG+GCTGCACT
CCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCCTACTATGAGCAAATCTGTTGAA
TTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGG
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2405:21459:8970_1:N:0:TCTGCAAG+GCTGCACT
GTCAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCG
GGA

+

FFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2640:23628:32205_1:N:0:TCTGCAAG+GCTGCACT
CACTATTTTGGCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTG
AGGGTTTTGTTATATTCAGTGGTTCTGGGAGGCTGCTTCTCCATAATTACAACCTCTCTTTAGAG
AGC

+

FFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2175:2456:30295_1:N:0:TCTGCAAG+GCTGCACT
AGTTTCAGACGTGTGCTCTTCCGATCTCTTTTCTTGAAAATTTTCTTTCTCCGTCAATTGGGGATTT
CGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCAT
GAT

+

:FFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2321:13494:24549_2:N:0:TCTGCAAG+GCTGCACT
GAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTGATT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAG

+

FFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2501:20772:20807_2:N:0:TCTGCAAG+GCTGCACT
GTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATG
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAG

+

FFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF:FFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1616:8296:31234_2:N:0:TCTGCAAG+GCTGCACT
ATCTTGAGGACGTACATTTAACGTGGCAGAATTTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTG

+

@A00721:190:HGJW7DSXY:4:1402:9878:29434_2:N:0:TCTGCAAG+GCTGCACT
CAGGTCAAAGATTCTGTAGCTCTGAGGGCGTTGAGGGAGCCGTTTTGCCGACTTTAACTATTCTAA
GAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGA

+

@A00721:190:HGJW7DSXY:4:1564:8043:35556_2:N:0:TCTGCAAG+GCTGCACT
GCGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATA
ATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTG

+

@A00721:190:HGJW7DSXY:4:1364:7916:31923_2:N:0:TCTGCAAG+GCTGCACT
TCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGA
GGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACG

+

@A00721:190:HGJW7DSXY:4:2505:23104:17707_1:N:0:TCTGCAAG+GCTGCACT
TTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCT
CTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTGCTCTTAGTTTGT
CCC

+

@A00721:190:HGJW7DSXY:4:2636:4146:9580_1:N:0:TCTGCAAG+GCTGCACT
GGAGATGATGGCGCATCACTTGATTACTATATGCCCCAAGGATTGGGTATTCTCACAACAAAGATAA
GATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTCTTGG
GGA

+

@A00721:190:HGJW7DSXY:4:1501:25238:25379_1:N:0:TCTGCAAG+GCTGCACT
AGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTATTCAGAATACCTATTTCCGTACCAAGAGCCAC
TGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTCGTTCTCAATAAAAATTTTT
CTC

+

@A00721:190:HGJW7DSXY:4:1201:21513:35274_1:N:0:TCTGCAAG+GCTGCACT
ACGTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAAC
AACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCT
AG

+

[illegible]

FF
 FFF

+

+

+

+

+

+

+

[illegible]

FFFFFFFFFFFFFFFF:FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2206:12292:2331_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGTATGATGGTGTCTTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC

+

FFFFF:FF:FF,FF,FFFF:F:FFFF:F,FFFF:FFFFFF:FF,,F,F,:FFFFFFFF:F,:FFFFF:
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FF:FF::FFFF,F

@A00721:190:HGJW7DSXY:4:2101:10267:31109_2:N:0:TCTGCAAG+GCTGCACT
CTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCGCTTC
CTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGCGC

+

FF:FF
FFFFF:FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2335:25970:18129_1:N:0:TCTGCAAG+GCTGCACT
TCTGTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACC
TTGATGCTGACTTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCG
AGG

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2242:3016:25723_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCTTGGATTTTAAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATC
GTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTAGAACTCGAACTCTA
AGT

+

FFFFFFFFFFFFFFF:FFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FFF:FFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2576:9444:34225_1:N:0:TCTGCAAG+GCTGCACT
CAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCGT
AAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAGAA
TAC

+

FF:FFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1266:26648:31767_2:N:0:TCTGCAAG+GCTGCACT
GAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTA
TGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACAC

+

FF:FFFFF
FF:FF

@A00721:190:HGJW7DSXY:4:2402:21169:27665_1:N:0:TCTGCAAG+GCTGCACT
GACTGATTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCTACGATAC
AAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTT
ATC

+

FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1349:13114:26396_2:N:0:TCTGCAAG+GCTGCACT
GGCATTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCG

CATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAG

+

FFF,,,FFFFFF:F:FFFF:FFFFFF,::FF,F,:FFFFFF,FFFFFFFFFFFF:FFFF:FF,,F:FFFF
FFFFFFFF:FFFFFFFF:FFFF:FFF,FF,F:F:F,FF:F,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2229:31584:15483_2:N:0:TCTGCAAG+GCTGCACT
TGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAATAATAATAATATTACTAATGGCAAATA
GTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGATTACG

+

FF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2369:15347:22654_2:N:0:TCTGCAAG+GCTGCACT
ATAGGTGAAGGATAGTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACC
CAAAATGAAGGACACTTCGAACTGAATAATGATGCACAGATCGGAAG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF
FF:FF:FFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2220:21377:12179_2:N:0:TCTGCAAG+GCTGCACT
AGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCTAG
CCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1642:5294:11788_2:N:0:TCTGCAAG+GCTGCACT
TGCTATGTCAGAAGAAGCTATTCAAGCTTGTGCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGA
CTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGAC

+

FF
FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1506:32479:28588_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAG
CTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTA
AGG

+

FF:F:F:, :F:FFFFFFFF,FFF,FFFFFFFF,FFFFFF:::,F::F, : ,F:FF:FFF:FFF,FF:F:F
FFFFFFFFFFFF:F:FFFF: :FFFFFFFFFFFF:FFFFFFFFFF:FF:FFFF,F,FF:FFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2306:29993:8970_1:N:0:TCTGCAAG+GCTGCACT
GAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATA
TAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTA
ATC

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1257:30752:35399_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT

+

FFFFFFFFFF:FF:FF:FFFFFFFFFFFF,FFFFFFFF:FFF
FFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2212:6234:18020_1:N:0:TCTGCAAG+GCTGCACT
CTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTT
ACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCG
TCC

+
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2225:26223:23234_1:N:0:TCTGCAAG+GCTGCACT
AGATAAGCCGCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGA
ATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTT
+
:,:,,:F:,,F,FF
FFFFF:FF
@A00721:190:HGJW7DSXY:4:1373:4399:15687_2:N:0:TCTGCAAG+GCTGCACT
TTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGA
AAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACCTATTA
+
FF
FFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2311:25798:10410_2:N:0:TCTGCAAG+GCTGCACT
CGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAAATTTAGAACTTTATT
TCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTT
+
FFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1646:8748:32080_2:N:0:TCTGCAAG+GCTGCACT
CGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTA
TGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGAC
+
FF
FFFF,FF
@A00721:190:HGJW7DSXY:4:2277:24424:20650_2:N:0:TCTGCAAG+GCTGCACT
ACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCCGTAGCATTGATTTACTTTT
ACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA
+
F:FFFFFFFFFFFFFFFF:FFFFFFFFFFF:FFFFF,FFF:FF::FFFFFFFFF:FFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2557:4182:25989_1:N:0:TCTGCAAG+GCTGCACT
TAAAAATACTTCAAGTACCTGAACCTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAA
CCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGA
TTT
+
FF:FFFFFFF,FFFFFFF:FFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFF
F:FF:FFFFFFF:FFFFF:FFFF,FFFFFFFFF:FFFFFFF
F,F
@A00721:190:HGJW7DSXY:4:2621:2329:1955_2:N:0:TCTGCAAG+GCTGCACT
AAAAACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGA
+
FFFFFFFFFFF:FF,F
FF
@A00721:190:HGJW7DSXY:4:1278:25952:27868_1:N:0:TCTGCAAG+GCTGCACT
TGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGT
TCAGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTT
ACC
+
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FF

GCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAAATTTTTC
TC

+

FF:F:F:,FFFFFFF,:FF:FFFF::F:F,FFFFFFFFFFFFFFFFFFFF,:FF:FFFF:FFFFFFF,FFF
F,,:FFFFF,FFF,F,FF:F,,FF::FFFFFFF:FFFF:F:FFFFFFFFFFFF:F:FFF,FFFFFFFFF,
F,

@A00721:190:HGJW7DSXY:4:2358:3757:2143_2:N:0:TCTGCAAG+GCTGCACT
GTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTAAGACGTGGCTTCGTAACAA
CAGTGCGAGTATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTCA

+

,FFFFFF,,F,FFFFFF,FFF:FF:FFFFFFFFF:F,F:,F,FF:FF,,FF,FFFF::FF,,,FF,FF,
F:,F,FFFFFFFFF,:FFFFFFFFF:F::FFFFFFFFF:FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2550:15908:28416_2:N:0:TCTGCAAG+GCTGCACT
CAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAAACTTAAC
GTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAG

+

::F:FF,FFFF:FFFFFFFFF::FFFFFFFFF:FFF:,FFFFFFF:FFFF::F,FFFFFFFFFFFFF
::FFFF::FFF,FFFFFFFFF:FFFF:FFF,F,F:F:F,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2155:24352:5776_2:N:0:TCTGCAAG+GCTGCACT
TTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATT
GAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTT

+

FFF
FFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2364:28691:24439_1:N:0:TCTGCAAG+GCTGCACT
CTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACAGTACGAGAGGTGATCCCGGATGT
GGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTG
TGC

+

FFF
FFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1477:31729:14951_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGTTCTCAAGGCTCTCATCGC
CAC

+

F:FFF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2112:31810:23171_2:N:0:TCTGCAAG+GCTGCACT
ATTCTTAAAAGAAGTTTATTAACCTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAAT
AGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGA

+

FFF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FF::FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2357:15402:7811_2:N:0:TCTGCAAG+GCTGCACT
CAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTT
TGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGT

+

FFF
FFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFF:FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2660:11134:27696_2:N:0:TCTGCAAG+GCTGCACT
GTACAGGGAGGAGGTAATAGTTATAAACCTTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTT

+

@A00721:190:HGJW7DSXY:4:2339:14335:32393_2:N:0:TCTGCAAG+GCTGCACT
CCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACC
TTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCA

+

@A00721:190:HGJW7DSXY:4:2274:9498:34037_1:N:0:TCTGCAAG+GCTGCACT
TTTCGGTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTT
GGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGAT
GTT

+

@A00721:190:HGJW7DSXY:4:1130:8829:17503_2:N:0:TCTGCAAG+GCTGCACT
TACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTC
TTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGAC

+

@A00721:190:HGJW7DSXY:4:1130:19750:18787_1:N:0:TCTGCAAG+GCTGCACT
TACCGATCTCAGTTCTACACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAG
ACGACCTTCTTGTTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGAT
AAT

+

@A00721:190:HGJW7DSXY:4:1162:19307:26694_2:N:0:TCTGCAAG+GCTGCACT
TCTAAGAGTGTTC AAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAA
CAAGCGAGCGGTTGAAGAGAAAACTGATATGGTTGCGGCTGATCGTAC

+

@A00721:190:HGJW7DSXY:4:2126:6334:3850_1:N:0:TCTGCAAG+GCTGCACT
GGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGT
TTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACCACTT
ACA

+

@A00721:190:HGJW7DSXY:4:2220:15528:4836_1:N:0:TCTGCAAG+GCTGCACT
GTTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGC
TGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA
TGA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2260:16405:6887_1:N:0:TCTGCAAG+GCTGCACT
CTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGA
TCTCCAAGTCGCAAACACTTCAACATCAACGACATCATCTTGATGAGTGTCGTTCTTATCGAAGTC
TCA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2674:1425:3333_2:N:0:TCTGCAAG+GCTGCACT
GAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAAT
TAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2520:26838:29465_2:N:0:TCTGCAAG+GCTGCACT
ATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCA
ACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2367:5493:4836_1:N:0:TCTGCAAG+GCTGCACT
TCTGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAAC
CACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATC
GAA

+

FF
FF
FF:

@A00721:190:HGJW7DSXY:4:2138:29107:1673_1:N:0:TCTGCAAG+GCTGCACT
TAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAG
AGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGT
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2174:32389:24706_1:N:0:TCTGCAAG+GCTGCACT
ATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTAT
ATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAA
GCA

+

FF:FFFFFF:FF:FFFF,FF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,F
FF:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2412:9408:33379_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTG
GTT

+

FF:FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:1167:23529:8766_2:N:0:TCTGCAAG+GCTGCACT
TATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGG

+

+

+

+

+

+

+

+

[illegible]

@A00721:190:HGJW7DSXY:4:1427:24532:17080_2:N:0:TCTGCAAG+GCTGCACT
GAGTCTTCCGTAACCAACTTCTTGACAATTTCTTCAATCTTCGATAATAGTTAAATCTAGGATTA
TGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACAC

@A00721:190:HGJW7DSXY:4:2411:8576:10238_1:N:0:TCTGCAAG+GCTGCACT
GACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCTACGATAC
AAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTT
ATC

@A00721:190:HGJW7DSXY:4:1442:26259:16658_2:N:0:TCTGCAAG+GCTGCACT
GGCATTGATAATAATGACGAGACTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCG
CATCTCGTGTCGAGCCTCGACCCGATTATATGGTATTAAC TTATAAAG

@A00721:190:HGJW7DSXY:4:2229:31819:15421_2:N:0:TCTGCAAG+GCTGCACT
TGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAAATA
GTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACG

@A00721:190:HGJW7DSXY:4:2458:5773:10520_2:N:0:TCTGCAAG+GCTGCACT
ATAGGTGAAGGGATAGTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACC
CAAATGAAGGACACTTCGAAACTGAATAATGATGCACAGATCGGAAG

@A00721:190:HGJW7DSXY:4:2364:4589:7842_2:N:0:TCTGCAAG+GCTGCACT
AGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTTCTTTGATACAACTCTAG
CCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATT

@A00721:190:HGJW7DSXY:4:2364:27145:11678_2:N:0:TCTGCAAG+GCTGCACT
TGCTATGTCAGAAGAAGCTATTCAAGCTTGTGTTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGA
CTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGAC

@A00721:190:HGJW7DSXY:4:1511:17472:33849_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAG
CTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTA
AGG

[illegible]

@A00721:190:HGJW7DSXY:4:2431:3025:7545_1:N:0:TCTGCAAG+GCTGCACT
GAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATA
TAAAAATAAGGGAGTCATAACTTTTGTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTA
ATC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1263:15049:33755_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTACAGACACTTCTTATATTATTTACAATAGTTAATAT

+

FFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2502:31367:31140_1:N:0:TCTGCAAG+GCTGCACT
CTATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTT
ACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCG
TCC

+

:FFF,FFF::FF,FFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2613:24768:15452_1:N:0:TCTGCAAG+GCTGCACT
AACACCCCCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAAT
CCT

+

:,:,FF,FF,FF
FFF

@A00721:190:HGJW7DSXY:4:1413:28049:5541_2:N:0:TCTGCAAG+GCTGCACT
TTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTCAAATCATCTTTACTCACAGACTCCGA
AAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACCTATTA

+

FF:FFF:FFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2506:14380:28119_2:N:0:TCTGCAAG+GCTGCACT
CGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAAATTTAGAACTTTATT
TCAGAACTCTCTCCGATCACCGTGGTGTGATCTCCCGAGGATCTTTT

+

FF
FFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2175:15573:6950_2:N:0:TCTGCAAG+GCTGCACT
CGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTA
TGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2278:16649:16736_2:N:0:TCTGCAAG+GCTGCACT
ACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTT
ACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA

+

FFFFFFF:FF:FFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F:F:FFFF,FFFFFFFFFFFF:F,FFF:
F:FF:FFF:F,FFFFFFFFFFFF:FFFFFF:FFFFFFF::FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2645:20311:4664_1:N:0:TCTGCAAG+GCTGCACT
TAAAAATACTTCAAGTACCTGAACCTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAA

CCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGA
TTT

+

FF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1160:14271:33379_2:N:0:TCTGCAAG+GCTGCACT
CTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGA
AAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1351:8495:4867_1:N:0:TCTGCAAG+GCTGCACT
TGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGT
TCAGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTT
ACC

+

FF
FF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1431:14009:8093_2:N:0:TCTGCAAG+GCTGCACT
CTCGTAACATTGACGGCAGTCCCGTCATCTCTGTGGAACTGAGGCAGTACCTCAGTCAAAAGTCACA
TTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCAT

+

FF:FFFF:FFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1574:27742:35446_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGCTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

F::FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFF:FFFF:FFFF:FF
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1555:25518:4570_1:N:0:TCTGCAAG+GCTGCACT
TCAGACGTGTGCTCTTCCGATCTCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAA
GAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCTTAAGGGTA
GCT

+

FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2367:21432:6167_1:N:0:TCTGCAAG+GCTGCACT
CCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCCTACTATGAGCAAATCTGTTGAA
TTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGG
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2455:7473:32252_1:N:0:TCTGCAAG+GCTGCACT
GTCAACGGCGTTTGGAGATTTTATCCGCGCTTAATCTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCG
GGA

+
FFFFFFFFFFFFFF::FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFF:FFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1166:25798:12790_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCTAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTT
TTTGTATATTACTGTTCTGGGAGGCTGCTTCTCCATAATTACAACCTCTCTTTAGAGAGCATT
AGA
+
FF:FF:FFFFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2556:16649:5055_1:N:0:TCTGCAAG+GCTGCACT
AGTTCAGACGTGTGCTCTTCCGATCTCTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATT
CGATGTGAGAAGGTGGAAGGTGTCAAGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCAT
GAT
+
FF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1154:23547:8265_2:N:0:TCTGCAAG+GCTGCACT
AGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAAT
CAGAGAGGGGAGCTCTGAAAAGGAACTTCGTGAGAAGATGAGGAAGA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1164:14678:24439_1:N:0:TCTGCAAG+GCTGCACT
TTTGAGGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGA
AGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGAGTT
TTA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2513:28655:5932_2:N:0:TCTGCAAG+GCTGCACT
ATCTTGAGGACGTACATTTAACGTGGCAGAAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTG
TGGGATTAACTTTGACTCACTACTCCGATCAGATCCGATGGTTTG
+
FF
FF:FFFFF
@A00721:190:HGJW7DSXY:4:1355:19669:15828_2:N:0:TCTGCAAG+GCTGCACT
AGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAG
AGTCTTTATGATTCAAACCTATCGTTGTCGTACCTTACAAGGTTGAG
+
FF:F:FFFFFFFF
:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:2137:1479:26694_2:N:0:TCTGCAAG+GCTGCACT
GCGGTTGAAGTTCACCATCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATA
ATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGATATTG
+
FF
FFFFFFFF,FFFFFFFF,FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1672:23276:26804_2:N:0:TCTGCAAG+GCTGCACT
TCATATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGA

GGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1149:17571:7185_2:N:0:TCTGCAAG+GCTGCACT
TACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTC
TCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATG
+
FF
FF
FFFFFFFF:FF,FFFF,,FFFFFFFFFFFFFFFF,FFFF:FFF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:1513:10384:3349_1:N:0:TCTGCAAG+GCTGCACT
GAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTATTCTCACAACAAAGATAAG
ATTTTATCTTTCTTCAAACACCCTGTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTCTGGG
GAC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1159:9254:23030_1:N:0:TCTGCAAG+GCTGCACT
AATAACTCGTAATAAATCTTTCTCTAGTGGACAATTGAGAATACCTATTTCCGTACCAAGAGCCACTG
CCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAATTTTCT
CAA
+
FF
FFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2378:19443:11459_2:N:0:TCTGCAAG+GCTGCACT
GTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAAACAA
CAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTCA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2446:23095:29716_2:N:0:TCTGCAAG+GCTGCACT
AGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACG
TTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2534:19117:6825_2:N:0:TCTGCAAG+GCTGCACT
TTGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATT
GAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTT
+
F:FF
FF:FFFFFFFFFFFF:F:FFFF:FF:FFF
@A00721:190:HGJW7DSXY:4:2509:24415:2378_2:N:0:TCTGCAAG+GCTGCACT
GTACCTTCTGTCAAACCTTCGAGGTTGAGTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTC
TAAGGGAGACTCCTTCTTTTGAATGTTGTAAGAATTGGGAGATCGG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1523:20654:1532_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGC
CAC

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2137:6262:28964_2:N:0:TCTGCAAG+GCTGCACT
ATTCTTAAAAGAAGTTTATTA AAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAAT
AGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGA

+
FFFFFFFF:F:FF::, FF
FF:

@A00721:190:HGJW7DSXY:4:2434:24885:2754_2:N:0:TCTGCAAG+GCTGCACT
CAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTT
TGCACAAGCAATACTTCCA CTGAGTTCATCACCCAGAGTTTCGACGT

+
FFFF:FFFFFF:::FFFFFF:FFFFFF,F FF:F:,,F:,FFF:F:FFF,FFF,,,FF:F,FFF,,,F:
:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFF,F:FFFF,F:

@A00721:190:HGJW7DSXY:4:1609:14850:14810_1:N:0:TCTGCAAG+GCTGCACT
TTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTAT
GTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCA
TTA

+
FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2339:14751:33051_2:N:0:TCTGCAAG+GCTGCACT
CCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAAC CAGGACTGATGGTGAGATTCTTTTACC
TTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCA

+
FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF,F:FFFF,F:FFFF,F:FFFF,
FF

@A00721:190:HGJW7DSXY:4:2512:1118:35837_1:N:0:TCTGCAAG+GCTGCACT
TTTCGGTTTCAGCTGGATGGATCTTTT GATGGTATGTTTCACATTGCGTGATCACTTCCC GTGGACTT
GGGAAGAGATTAAACATA AAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGAT
GTT

+
FFF:F:FFFF:F:FFFF,F:FFFF,F:FFFF,F:FFFF,F:FFFF,F:FFFF,
FFFF:F:FFFF,F:FFFF,F:FFFF,F:FFFF,F:FFFF,F:FFFF,

F

@A00721:190:HGJW7DSXY:4:1312:5963:15327_2:N:0:TCTGCAAG+GCTGCACT
TACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTC
TTGGTCGAAAAATATCGCCGGGA ACTTCTAATAGAGGATCCTGATGAC

+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF,F:FFFF,F:FFFF,

@A00721:190:HGJW7DSXY:4:1229:14199:16282_1:N:0:TCTGCAAG+GCTGCACT
TACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGA ACTGTCTCCA CTGATT CGGAATT AGAGAAAG
ACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGAT
AAT

+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF,F:FFFF,F:FFFF,F:FFFF,
F,F

@A00721:190:HGJW7DSXY:4:1241:21667:34663_2:N:0:TCTGCAAG+GCTGCACT
TCTAAGAGTGT TTTCAA AAGACCAGAAACGTAA CAAGA GAATAAAGGTAGGAAGGGGAGAAA ACAGAA

CAAGCGAGCGGTTGAAGAGAAAAGTATGATATGGTTGCGGCTGATCGTAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2139:19190:1407_1:N:0:TCTGCAAG+GCTGCACT
GGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGT
TTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACCACTT
ACA

+

FF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2642:17734:8688_1:N:0:TCTGCAAG+GCTGCACT
GTTTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGC
TGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA
TGA

+

FFFFFFFFFF:FF:FFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1151:13313:23453_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC
TCCAAGTCGCAAACACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTC
AGT

+

FF
FF, FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2636:25337:3662_1:N:0:TCTGCAAG+GCTGCACT
ACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGT
CTTGACGACTTCGAATTTGAGGACGGAGTTAAATATATTACTTTCACTCAAGGTGAAAAGTTTGAAAT
TAA

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2541:27019:11929_2:N:0:TCTGCAAG+GCTGCACT
ATGCTACTTGTGAGAGGATCAATCACAGTAAGGAAGTGCACGTTTAGCACGGGAGGTTGAGATTCA
ACCCCTGATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTT

+

FFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFF,F,F:FFFFFFFFF:FFFF:, :FFF
FFFFF:,FFF:F:FFFFFFF,:F:FFFFFFF,FFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2512:10872:15624_1:N:0:TCTGCAAG+GCTGCACT
TCTGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAAC
CACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATC
GAA

+

FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2208:17598:15843_1:N:0:TCTGCAAG+GCTGCACT
TAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGGTTTAGCTGTATCATCAGTCAG
AGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGT
TTT

+
FFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFF,F:FFFFFFFF:FFFFFF
FFF:FFF:FFFFFFFF:F:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFF,FFF
FFF
@A00721:190:HGJW7DSXY:4:2273:22788:11522_1:N:0:TCTGCAAG+GCTGCACT
ATAGGGACGCTAGTATACTTCGTAAAGTCGACAGCGAAATGGTCAATATTGATAATTGGACCGACTAT
ATGACCTATTTTAAGCTCATGGTGAAAAGGGAAGCTAAGGTTAACTTGATGCTTCAGCCTTTTCGAA
GCA
+
FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2504:25464:34194_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTG
GTT
+
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1542:15248:8578_2:N:0:TCTGCAAG+GCTGCACT
TATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGG
GAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGT
+
F:FFFFFFFFF:FFF:FF:FFFFFF:FFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:2431:26368:7044_1:N:0:TCTGCAAG+GCTGCACT
GACAGGTGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATTT
TAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCA
GTC
+
F,FFF,F,FFFF:F:FFF,FFFF,:FF:,FF:FF,F,FFFF:FFFFFF:FFFF,FFF:FFFFFF
FF:FFFF:FFF:F::FFFF:FFFFFF::F:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFF,
FFF
@A00721:190:HGJW7DSXY:4:2447:16080:28056_1:N:0:TCTGCAAG+GCTGCACT
TCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACACTATCAGTTGATTAAGACTCT
TCCGAAAGCGCACTTTGGAATTTGAAGCTCAGGTGAAGCACACGTTTGACCGTGACGAACTGTG
GTG
+
FF:FF,F:F:FFF,FFFFFF:::FFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF,FFF
:FFF:,F:FFFFFFFF,FFFFFFFF,FFFF:FFF:FFFFFFFFF:F,F:FFF:FFFF,
FFF
@A00721:190:HGJW7DSXY:4:2176:27516:7811_2:N:0:TCTGCAAG+GCTGCACT
CATTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAGCAGGGTTTTCGAATAGTGA
TAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT
+
FFFFFFF::FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FF:FFFFFFFFF
FF,F::FFFF:FFFFFFFFFFFFFFFF:FFFFFFF:FFFF:,FF,
@A00721:190:HGJW7DSXY:4:1175:14036:34319_2:N:0:TCTGCAAG+GCTGCACT
TGTCTCGCCTCTTGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCAT
TGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTAT
+
FF:FFFF
FFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2273:12617:35900_1:N:0:TCTGCAAG+GCTGCACT
ATTAACCATTGTACGATGTCGTCTGTCTCGCGATCACTTTTCTACTAAGAATTGGTCTACTTTTG
GACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTT
GAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2201:30436:32503_2:N:0:TCTGCAAG+GCTGCACT
AATTGTAGTGGTTTGGTCGTTTACGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAAC
TACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACC

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1125:2058:10786_2:N:0:TCTGCAAG+GCTGCACT
TCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCT
ATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGT

+

FFFFFFFF:FF
FFF:FFFFF::FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2310:9760:5838_1:N:0:TCTGCAAG+GCTGCACT
GGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACA
ACTTTTCAGTTTCACAACTGAAGGAGGAGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATA
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2169:23005:22263_2:N:0:TCTGCAAG+GCTGCACT
TGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1225:10565:25989_1:N:0:TCTGCAAG+GCTGCACT
GGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGACTCTTCGTCGATTGTATCAACAGTAA
CATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGA
AGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2615:27534:28729_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGATGAGGGTGTTTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC

+

FF
F:F,FFFFFFFF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF::

@A00721:190:HGJW7DSXY:4:2101:10610:29575_2:N:0:TCTGCAAG+GCTGCACT
CTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTC
CTCCTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGCG

+

FF
:FFFFFFFFF::FF,FF

@A00721:190:HGJW7DSXY:4:2601:27615:2472_1:N:0:TCTGCAAG+GCTGCACT
TCTGTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTTCAACGTTACCGAGTTTCGTTTCGTACC
TTGATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCG
AGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2542:8992:30937_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCCTTGGAATTTTAAATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATC
GTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCTA
AGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1413:26404:4946_1:N:0:TCTGCAAG+GCTGCACT
AATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCG
ACGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAGAATACTATAAATAGAATAGCT
ATT

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1557:16450:22748_2:N:0:TCTGCAAG+GCTGCACT
GAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTA
TGTCTGTGTTGAAAGACTTCTACCGATAAGGGTCACTAGTCTTACAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2414:26784:23265_1:N:0:TCTGCAAG+GCTGCACT
GACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATAC
AAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTT
ATC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1614:15962:22654_2:N:0:TCTGCAAG+GCTGCACT
GGCATTTGATAATAATGACGAGACTTTCGTGATAATCGCTGCATATTACGATTACACGGTACCAGCG
CATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAG

+

FF
FF
FFFF:FFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2261:8115:29199_2:N:0:TCTGCAAG+GCTGCACT
TGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAAATA
GTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2468:25021:10191_2:N:0:TCTGCAAG+GCTGCACT
ATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACC
CAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAG

+

FFFFFFFFFFF
FFFF:FF
@A00721:190:HGJW7DSXY:4:2527:1624:3834_2:N:0:TCTGCAAG+GCTGCACT
AGGATATTGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAG
CCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATT
+
FFFFFFFFF,FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFF,FF:F,FFFFFFFFF
FFFF:F:FFF,FFFF,FFF:FFF:FFFFFFFF,:FFFF,FFFF
@A00721:190:HGJW7DSXY:4:2476:29161:27289_2:N:0:TCTGCAAG+GCTGCACT
TGCTATGTCAGAAGAAGCTATTCAAGCTTGTGCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGA
CTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGAC
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1627:2799:5682_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTACCGATACGTAGTAACGCGTTCGTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAG
CTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTA
AGG
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2519:19045:13463_1:N:0:TCTGCAAG+GCTGCACT
GAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAATA
TAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTA
ATC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1264:18792:31469_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGAACAACTTTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT
+
FF,FFFF
FFF:F:F:FF:FFFFFFFF:FFFFF:FFF:F:,FFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:1508:30915:5650_2:N:0:TCTGCAAG+GCTGCACT
TTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGT
AGAATAGATTTAGTCTCTACACCATCTCAACGAGGATAAAGCGAGTT
+
FF:FFFFFFF:F
F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2537:29839:27398_1:N:0:TCTGCAAG+GCTGCACT
ATCATCCGAAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAAT
CCTGCCTTTACTC
+
F,,F::,F,FFFFFFFFF:FF
FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2609:14425:19335_2:N:0:TCTGCAAG+GCTGCACT
TTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGA
AAATGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTA
+
FF:FFFFF
FF:FF

$+$ $+$

+

+

+

+

+

+

@A00721:190:HGJW7DSXY:4:1558:11577:16658_1:N:0:TCTGCAAG+GCTGCACT
TCTCCGATCTGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTT

GGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGAT
GTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1364:16170:30686_2:N:0:TCTGCAAG+GCTGCACT
TACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTC
TTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGAC

+

FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:1275:7012:23093_1:N:0:TCTGCAAG+GCTGCACT
TACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACGTCTCCACTGATTCGGAATTAGAGAAAG
ACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGAT
AAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2306:30038:1282_2:N:0:TCTGCAAG+GCTGCACT
TCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAA
CAAGCGAGCGGTTGAAGAGAAAACCTGATATGGTTGCGGCTGATCGTAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2220:1850:4633_1:N:0:TCTGCAAG+GCTGCACT
GGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGT
TTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAACCTGACCACTT
ACA

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2524:32208:4257_1:N:0:TCTGCAAG+GCTGCACT
TTCATCGCGGTATTTGTGAAATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCT
GATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCAT
GA

+

FF
FFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1152:3857:27367_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC
TCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTGTTCTTATCGAAGTCTC
AGT

+

FFFFFFFFF:F:FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2148:4381:4225_2:N:0:TCTGCAAG+GCTGCACT
AAGGAACGTGCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGA
TGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACC

+

@A00721:190:HGJW7DSXY:4:1241:18177:2002_2:N:0:TCTGCAAG+GCTGCACT
TGTCTCGCCTCTTGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCAT
TGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTAT

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFF:FFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2273:12626:35916_1:N:0:TCTGCAAG+GCTGCACT
ATTAAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCCTACTTTTG
GACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTT
GAG

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2242:4182:20635_2:N:0:TCTGCAAG+GCTGCACT
AATTGTAGTGGTTTGGTCGTTTCACTACCGAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAAC
TACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACC

+

F:FFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFF:F
FFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:1125:2483:10300_2:N:0:TCTGCAAG+GCTGCACT
TCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCT
ATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGT

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2445:5882:19789_1:N:0:TCTGCAAG+GCTGCACT
GGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACA
ACTTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATA
ATA

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2169:24189:24565_2:N:0:TCTGCAAG+GCTGCACT
TGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFF
:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1254:18493:33865_1:N:0:TCTGCAAG+GCTGCACT
GGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGACTCTTCGTCGATTGTATCAACAGTAA
CATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGA
AGG

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2665:6280:28119_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTATGAGGGTGTTTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2101:10628:29450_2:N:0:TCTGCAAG+GCTGCACT
CTAAAATATGTACCAAATCTTACCACTCACTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTC
CACCTTTAATTGCCCGACCTCGGTCCACTAGTACTTGAAAGAAGGCT

+

,:,FFF,F,,FF,,FFFFFF,FFFF,,F,:FFFFFF:F:,F,FF,FFFF:, ,FFFF:F:F:, ,F,
F,FFF:F,FF,FF,, ,FFFF,: , ,F,: , ,F:F:, ,F,,:F:, ,F,

@A00721:190:HGJW7DSXY:4:2605:15176:21543_1:N:0:TCTGCAAG+GCTGCACT
TCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAGTTTTGTTTCGTACC
TTGATGCTGACTTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCG
AGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2621:11930:30044_1:N:0:TCTGCAAG+GCTGCACT
TTCTTCTTGGATTTTAAATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATC
GTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTAGAACTCGAAACTCTA
AGT

+

FFFFF:FFF,FF:FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2132:6017:6370_1:N:0:TCTGCAAG+GCTGCACT
AATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCG
ACGGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAGAATACTATAAATAGAATAGCT
ATT

+

FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2364:28058:11224_2:N:0:TCTGCAAG+GCTGCACT
GAGTCCTTCCGTAACCAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTA
TGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACAC

+

FF
FF:FFFFFFFF:FFF
FF:FFFFFF:FFFFFFFFFFFF:FFFFFF:FFFFFF: :FFF:FFFF

@A00721:190:HGJW7DSXY:4:2448:11189:29262_1:N:0:TCTGCAAG+GCTGCACT
GACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCTACGATAC
AAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTT
ATC

+

FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2113:11017:23390_2:N:0:TCTGCAAG+GCTGCACT
GGCATTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCG
CATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAG

+

FFFFFFFFFFF:FFFFFFFFFFFFFF,FFF:FFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2572:30544:7357_2:N:0:TCTGCAAG+GCTGCACT
TGTTCTCTGATCATTTTGACAATCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAAATA
GTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACG

+

[illegible]

@A00721:190:HGJW7DSXY:4:2658:17626:26162_2:N:0:TCTGCAAG+GCTGCACT
TTTCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGA
AAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTA

@A00721:190:HGJW7DSXY:4:2245:11559:31093_1:N:0:TCTGCAAG+GCTGCACT
TCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTATTTTCAGAACTCTCTCCG
ATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAA
ATA

@A00721:190:HGJW7DSXY:4:2319:18909:4053_2:N:0:TCTGCAAG+GCTGCACT
CGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTA
TGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGAC

@A00721:190:HGJW7DSXY:4:1411:16595:8813_2:N:0:TCTGCAAG+GCTGCACT
TAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCG
TTAGAAGTAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAA

@A00721:190:HGJW7DSXY:4:2462:2347:27038_1:N:0:TCTGCAAG+GCTGCACT
AAAATACTTCAAGTACCTGAACCTTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACC
TTCACCTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATT
TAT

@A00721:190:HGJW7DSXY:4:1402:22019:3239_2:N:0:TCTGCAAG+GCTGCACT
CTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGA
AAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGAAGGAA

@A00721:190:HGJW7DSXY:4:1563:6524:11443_1:N:0:TCTGCAAG+GCTGCACT
TGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGT
TCAGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTT
ACC

@A00721:190:HGJW7DSXY:4:2268:18304:30091_2:N:0:TCTGCAAG+GCTGCACT
CTCGTAACATTGACGGCAGTCCCCTCATCTCTGTGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACA
TTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCAT

@A00721:190:HGJW7DSXY:4:1627:23303:25911_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2276:1705:34601_1:N:0:TCTGCAAG+GCTGCACT
TCAGACGTGTGCTCTTCCGATCTCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAA
GAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCTTAAGGGTA
GCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2376:15492:3082_1:N:0:TCTGCAAG+GCTGCACT
CCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAA
TTCGTCCTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGG
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1178:25075:30076_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTACCCCTTAAGCACCGAGGTAAGCTCG
GGA

+

FFFFFFF:FF
FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2343:1407:11443_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCTAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTT
TTTGTATATTCACTGGTTCTGGGAGGCTGCTTCTCCATAATTACAACCTCTCTTTAGAGAGCATT
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1202:24605:4335_2:N:0:TCTGCAAG+GCTGCACT
TAGACGTTGTCACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAG
GTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAAT

+

FF
FFFF:FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:1561:10529:6480_2:N:0:TCTGCAAG+GCTGCACT
AGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATT
CAGAGAGGGGAGCTCTGAAAAGGAACTTCGTGAGAAGATGAGGAAGA

+

FFFFFFFFFFFFFFFFF,FFF:
FFFFFFFFF:FFFFF:FFFFF:FF:FFF

@A00721:190:HGJW7DSXY:4:1663:29921:2487_1:N:0:TCTGCAAG+GCTGCACT
TTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGA

CAGTGCGAGTATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTCA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1277:24749:19648_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTTGGGTACACGTTATGCTCGCAAACCTAACGTTAG
TACCGGAGGTGATCTCTCTGCTTCTGCGTACTGAGAGAAAAGATTACAGGACGCCTACGGTGACTTTA
TGG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1109:31882:6511_2:N:0:TCTGCAAG+GCTGCACT
TGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTGAGATTGAGAAGATTG
AAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTA
+
FF
FFF:FF
@A00721:190:HGJW7DSXY:4:1361:5132:19523_2:N:0:TCTGCAAG+GCTGCACT
TACCTTCTGTCAAACCTTCGAGGTTACAGCTACGAGAGGTGATCCCGATGTGGATTGAAGGCTGGCTCT
AAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAG
+
FFFF,FF
FFF:FF
@A00721:190:HGJW7DSXY:4:1535:6903:5995_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGC
CAC
+
FFF:FFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2509:4372:2018_2:N:0:TCTGCAAG+GCTGCACT
ATTCTTAAAAGAAGTTTATTAACCTTCAGAGTCTCTTGAAAGTCCAGGTAGCTAATGTTCTTGCAAT
AGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGA
+
F:FF
F:FF
@A00721:190:HGJW7DSXY:4:1209:26096:3818_2:N:0:TCTGCAAG+GCTGCACT
AGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTT
GCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2142:29839:34100_1:N:0:TCTGCAAG+GCTGCACT
TTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTAT
GTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCA
TTA
+
FF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2423:6442:35039_2:N:0:TCTGCAAG+GCTGCACT
CCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACC

TTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCA

+

FFFF:FF:FF::FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFF
:FFFFFFFFFFFFFF,F,FFFFFF,F,FFF::,FFF:FFFFFF:

@A00721:190:HGJW7DSXY:4:1674:22146:25755_2:N:0:TCTGCAAG+GCTGCACT
GTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAA
GAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGT

+

FF
FFFFFFFFFFFFFFFF:FFFF:,FFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1457:8919:29904_2:N:0:TCTGCAAG+GCTGCACT
TACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTC
TTGGTCGAAAAATATCGCCGGAACTTCTAATAGAGGATCCTGATGAC

+

FF
FFFFFFFFFFFFFFFF:FFFF:,FFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1455:7780:5321_1:N:0:TCTGCAAG+GCTGCACT
TACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGTCTCCACTGATTCGGAATTAGAGAAAG
ACGACCTTCTTGTTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAGGGAT
AAT

+

FF
FFFFFFFFFFFFFFFF:FFFF:,FFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2314:30047:13260_2:N:0:TCTGCAAG+GCTGCACT
TCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAA
CAAGCGAGCGGTTGAAGAGAAAACCTGATATGGTTGCGGCTGATCGTAC

+

FF
FFFFFFFFFFFFFFFF:FFFF:,FFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2415:29179:3333_1:N:0:TCTGCAAG+GCTGCACT
GGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGT
TTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAAGTACCACTT
ACA

+

FF:FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2435:9263:1939_1:N:0:TCTGCAAG+GCTGCACT
TCGCGGTATTTGTGAAATTAAGACAGACGTGAAATTTATGATGAGTGATCGTATTAGAACAGCTGATT
CTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATT
CAC

+

FF
FFFFFFFFFFFFFFFF:FFFF:,FFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1332:32832:11851_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC
TCCAAGTCGCAAACTAATTCAACATCAACGAAATCATTCTTGATGAGTGTGCTTCTTATCGAAGTCTC
AGT

+

F:F,,:FF,:,:F:FF::,FFFFFFFFFFFFFFFF:FF:FFFF,F:FFF,:::FFF,:FF,FF,
F:,FF:FFF:F,FFFF,FFFF:,F,FFFF,:F,,:FFFF,FFF,FFFFFFFF,FFF,F:,,:FF,
F,F

@A00721:190:HGJW7DSXY:4:2503:9127:5807_2:N:0:TCTGCAAG+GCTGCACT
AAGGAAGTGTACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGA
TGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2462:6424:1532_1:N:0:TCTGCAAG+GCTGCACT
ACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCTGA
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTT
AGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1326:28556:12962_1:N:0:TCTGCAAG+GCTGCACT
CGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTAAGCTCATGGTGAAGGGAAG
CTAAGGTAAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCA
AAA

+

FFFFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2508:22471:18709_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTG
GTT

+

FFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1660:14389:36652_2:N:0:TCTGCAAG+GCTGCACT
TATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGG
GAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGT

+

FFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1160:22806:20823_2:N:0:TCTGCAAG+GCTGCACT
TGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTTCGTGGCGCTTTATTTTAAAAA
GCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTT

+

FFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFF:FF:FFFFFFFFF:FFFFFFF
FFFFFFFFF,,F:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFF

@A00721:190:HGJW7DSXY:4:2570:14036:10676_1:N:0:TCTGCAAG+GCTGCACT
TCCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAGACTCT
TCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAAACGTTTGACCGTGACGAACTGTG
GTG

+

FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2549:2808:1532_2:N:0:TCTGCAAG+GCTGCACT
CATTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGA
TAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT

+

FF:FFFFFFF
FFFF:FF
@A00721:190:HGJW7DSXY:4:2206:20708:27868_2:N:0:TCTGCAAG+GCTGCACT
TGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCAT
TGGTTTTTCTAATAATGATTAACTATTGTTTATGGATATGATGCTAT
+
FFFF:FFFF:FF,FFFF:FFF:F:FFFF:FFFFFFFFFFFF,F,FFFFFFFF,FF:FF:F::FF,,FF
:FFF,:FFFFFFFFFFF::F,F,FF,F,,,,FFFF,FFFFFFFF,FFF
@A00721:190:HGJW7DSXY:4:2274:13150:1564_1:N:0:TCTGCAAG+GCTGCACT
ATTAACCATTGTACGATGTCGTCTGTCTCGCGCATCACTTTTCTACTAAGAATTGGTCTACTTTTG
GACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTT
GAG
+
F:FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2402:25726:22373_2:N:0:TCTGCAAG+GCTGCACT
AATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAAC
TACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACC
+
FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFF:FFFFFF:F:FFFFFF:FFFFFFFFFFF::FF,
@A00721:190:HGJW7DSXY:4:1149:16378:30921_2:N:0:TCTGCAAG+GCTGCACT
TCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCT
ATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGT
+
FFFFFFFFFFFFFFFFFFFF,FFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2445:6397:19147_1:N:0:TCTGCAAG+GCTGCACT
GGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACA
ACTTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATA
ATA
+
FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFF::FFFFF:FFFF:FFFFFFFFFFFF
FFFFFFFF:FFFFFFFFF,:FFFFF:FF:FFFFFFFFFFFF:FFFFFFFF:F,FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2217:4463:14231_2:N:0:TCTGCAAG+GCTGCACT
TGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT
+
FF:FF:FFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFF,F,FFF:FFFFFF
@A00721:190:HGJW7DSXY:4:1403:29758:17300_1:N:0:TCTGCAAG+GCTGCACT
GGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAA
CATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGA
AGG
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF:FF
FFF
@A00721:190:HGJW7DSXY:4:2674:15176:15342_2:N:0:TCTGCAAG+GCTGCACT
GTAATTATGAAGACTGTGATTTATCTTTCACCTCTGGCCTTGATGAGGGTGTTTCTAATCGTAACATT
AATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGC
+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFF:FFFFFF:FFFF:FFFFFFFFFFFFFF,FFF
@A00721:190:HGJW7DSXY:4:2274:25509:3020_2:N:0:TCTGCAAG+GCTGCACT
CTAAAATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCGCTTC
CTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1426:24017:12649_2:N:0:TCTGCAAG+GCTGCACT
GTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTACCCGAGTTTCGTTTCGTACCTTG
ATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1262:15293:5400_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCTTGGATTTTAAATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCG
TAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAACTCTAA
GTG
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
FFF
@A00721:190:HGJW7DSXY:4:2351:29975:15828_1:N:0:TCTGCAAG+GCTGCACT
AATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCG
ACGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAAGAATACTATAAATAGAATAGCT
ATT
+
F:FFF,:FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
F:F
@A00721:190:HGJW7DSXY:4:2612:32832:27696_2:N:0:TCTGCAAG+GCTGCACT
GAGTCCTTCCGTAAACAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTA
TGTCTGTGTTGAAAGACTTTCTACCGATAAGGGTCACTAGTCTTACAC
+
FFFF:FF:FFF:FF,,FFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFF,,FFF:
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,,FF,FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2448:14832:28119_1:N:0:TCTGCAAG+GCTGCACT
GACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTTCTACGATAC
AAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTT
ATC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2206:26268:5995_2:N:0:TCTGCAAG+GCTGCACT
GGCATTGATAATAATGACGAGACTTTCGTGCATAATCGCTGCATATTACGATTACACGGTACCAGCG
CATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1669:23574:4366_1:N:0:TCTGCAAG+GCTGCACT
TCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACAC
TAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCA
ACA

```

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2521:20654:19539_1:N:0:TCTGCAAG+GCTGCACT
AGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTA
AAGGACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAG
ATA
+
FFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1432:5565:31735_1:N:0:TCTGCAAG+GCTGCACT
AGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAG
CCTTCATGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCT
AT
+
F:,FFFF:F,,,FFFFFFFFFFFF,FF:FFFFFF:FFFF,::,,FF::,FFFFFF:FFFF:FFFFF
F,FFF:,FF,FFFF:FF::F::FFFF,FFFFFFFFFFFF:F:FFFFFFFFFFFF:F,FFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1117:27516:3740_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAAATTATTTAGAGATCTTT
CTA
+
FFFFFFFF:FFFFFFFF:FFFF:FFF,FFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2169:17418:12994_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAG
CTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTA
AGG
+
:F:FFFFFFFFFFFFFFFF:FFFF:F:FFFF:FFFFFF:FFFFFFFF:F:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:2661:26422:11741_1:N:0:TCTGCAAG+GCTGCACT
GAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATA
TAAAAATAAGGGAGTCATAACTTTTGTTACCAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTA
ATC
+
FF
FFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1343:11360:1031_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTACAGACACTTCTTATATTATTTACAATAGTTAATAT
+
FF:F
FFFFFFFFFFFFFF,FFFFFFFFFFFF,FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1523:30472:6073_2:N:0:TCTGCAAG+GCTGCACT
TTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGT
AGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTT
+

FF
FF:FF
@A00721:190:HGJW7DSXY:4:1633:16604:11647_1:N:0:TCTGCAAG+GCTGCACT
TCACCCCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT
+
:::,F,,,:::FFFFFFFF:FF:FFF:FF:FFFFFFFF:F
@A00721:190:HGJW7DSXY:4:2643:1805:21966_1:N:0:TCTGCAAG+GCTGCACT
TCGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAA
ATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCAC
TAC
+
FFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2374:15456:28761_1:N:0:TCTGCAAG+GCTGCACT
TCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCG
ATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTAA
ATA
+
FF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2467:18674:31735_2:N:0:TCTGCAAG+GCTGCACT
CGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGAAGAGGTCTA
TGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGAC
+
FF:FFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2203:15727:26757_2:N:0:TCTGCAAG+GCTGCACT
TAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCG
TTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAA
+
F,,F::FFFFF,FF,:::FFFFF,FFFF:FFFFF:F:FFFFF::FF,FFFFFFFFFFFF
F:FF:::FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFF:FF:F
@A00721:190:HGJW7DSXY:4:1114:20265:33082_1:N:0:TCTGCAAG+GCTGCACT
AAATACTTCAAGTACCTGAACCTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCT
TCACTCTCGGTAATGAGAGTGATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTT
ATC
+
FF:FFFFFFFFFFFFFFFF
FFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1552:1777:4069_2:N:0:TCTGCAAG+GCTGCACT
CTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGA
AAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAA
+
FFFFF:FF:FFFFFFFF
FF:F:FFFFFFFFF,
@A00721:190:HGJW7DSXY:4:1573:27299:31140_1:N:0:TCTGCAAG+GCTGCACT
TGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGT
TCAGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTT
ACC
+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFF

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2337:32389:32722_2:N:0:TCTGCAAG+GCTGCACT
CTCGTAACATTGACGGCAGTCCCGTCATCTCTGTGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACA
TTCACCACTCCCATAACCAATCAATGATGTGACTATACAGTTCGGCCAT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFF

@A00721:190:HGJW7DSXY:4:1627:23312:25989_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGCTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFF,FFFF:F:F:FFFFFFFFFFFFFFFF::FFF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2656:3423:22983_1:N:0:TCTGCAAG+GCTGCACT
CTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCT
GAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGA
CTC

+

FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2153:11541:15468_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTCGCTACTGGCGACAACTGAGAG
CACTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGA

+

FF
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1535:29550:32346_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCG
GGA

+

FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFF,FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2366:14281:17644_2:N:0:TCTGCAAG+GCTGCACT
TTGCCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAAGTCTTGCTCCTTCTGTGGGTGAGGGTTTT
TGTTATATTCACTGGTTCTGGGAGGCTGCTTTCCTCCATAATTACAAC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFF
FF:F,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1219:31051:3223_2:N:0:TCTGCAAG+GCTGCACT
TTAGAAGGAAGTTGGGCAAATTCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTACT
TTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAG

+

FFF,FFFFFFFFFFFFF:FFFFF:FF,FFFF:FFFFF:F,FFFFFFFF:FF:,FFFFFFFFF,,F
FFFFFFFF,,FF,:FF:FFFFFFFFFFFF,FF,FF::FFFFFFFF:FF,

@A00721:190:HGJW7DSXY:4:2315:15022:30765_2:N:0:TCTGCAAG+GCTGCACT
ATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGAT
TAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF:FFF:FFFFFFFF,FFF,FFFFFFFF
,FF:FFFFFF,F,FFFF:FF:FFFF:FFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:2101:3106:29481_1:N:0:TCTGCAAG+GCTGCACT
TTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGA
AGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTT
TTA

+

F:FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2614:26693:26021_2:N:0:TCTGCAAG+GCTGCACT
TGGCAGAATTCGGTAACTTACCATATTGTTCCCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAACT
ACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTT

+

:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2404:2383:29199_2:N:0:TCTGCAAG+GCTGCACT
AGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAG
AGTCTTTATGATTCAAACCTATCGTTGTCGTACCTTACAAGGTTGAG

+

FF
FF:FFFFF

@A00721:190:HGJW7DSXY:4:2659:30635:11397_2:N:0:TCTGCAAG+GCTGCACT
GCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATA
ATCACTTGTTAAAGTACAGATTTAGTGATTAGATATTATTGATATTG

+

FF,FFFFF
FFFFFFFF:FFFFFFFF:FFFFF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2267:11279:22780_2:N:0:TCTGCAAG+GCTGCACT
TCATATCCAAAACCTCTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGA
GGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACG

+

FF
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1176:25418:20901_2:N:0:TCTGCAAG+GCTGCACT
TACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTC
TCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATG

+

FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1610:3712:25551_1:N:0:TCTGCAAG+GCTGCACT
GAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAAG
ATTTTATCTTTCTTCAAACACCCTGTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTTTGGG
GAC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1219:23583:29747_1:N:0:TCTGCAAG+GCTGCACT
AATAACTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTG
CCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAATTTTCT
CAA

+

FF:FF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2508:23204:18349_2:N:0:TCTGCAAG+GCTGCACT
GTCATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAA
CAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTCA

@A00721:190:HGJW7DSXY:4:1468:17852:34663_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAG
TACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTACGACGCCTACGGTGACTTTA
TGG

@A00721:190:HGJW7DSXY:4:1403:31204:32737_2:N:0:TCTGCAAG+GCTGCACT
TGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTG
AAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTA

@A00721:190:HGJW7DSXY:4:1551:5972:31187_2:N:0:TCTGCAAG+GCTGCACT
TACCTTCTGTCAAACCTTCGAGGTTACAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCT
AAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAG

@A00721:190:HGJW7DSXY:4:1604:15383:10661_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGAGTCGTTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGC
CAC

@A00721:190:HGJW7DSXY:4:2513:6126:32142_2:N:0:TCTGCAAG+GCTGCACT
ATTCTTAAAAGAAGTTTATTA AAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAAT
AGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGA

@A00721:190:HGJW7DSXY:4:1209:26503:3897_2:N:0:TCTGCAAG+GCTGCACT
AGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTT
GCACAAGCAATACCTTCCACTGAGTTCATACCCAGAGTTTCGACGTC

@A00721:190:HGJW7DSXY:4:2217:8006:13166_1:N:0:TCTGCAAG+GCTGCACT
TTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTAT
GTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCA
TTA

FF
FFF
@A00721:190:HGJW7DSXY:4:2501:10077:3161_2:N:0:TCTGCAAG+GCTGCACT
CCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACC
TTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCA
+
FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFF
F:FFF:FFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2369:30147:35634_2:N:0:TCTGCAAG+GCTGCACT
GTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAA
GAGATTAAACATAAAATCCAGCGATTCTATTATGTCTCTAAAGCCTGT
+
FFFFF,F,F:FFFFFFFFFFFFF::FFF:FF::FF:FF:F,FFFF:FF:FF,F,:FFF:FFFF:F,
,FFFFFFFF,FFFF:FFF:FF:,FF,,F,F::FF:FF,FFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:1512:5511:4648_2:N:0:TCTGCAAG+GCTGCACT
TACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTC
TTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGAC
+
F::FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF,FFF
@A00721:190:HGJW7DSXY:4:1463:10022:17785_1:N:0:TCTGCAAG+GCTGCACT
TACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAG
ACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGAT
AAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2377:13485:26976_1:N:0:TCTGCAAG+GCTGCACT
TGTTTCAAAAGACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAG
CGGTTGAAGAGAAAACCTGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTC
GGC
+
FF:FFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1116:6063:1313_1:N:0:TCTGCAAG+GCTGCACT
GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAG
TATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGC
AAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF
FFF
@A00721:190:HGJW7DSXY:4:2626:31439:26099_1:N:0:TCTGCAAG+GCTGCACT
TCGCGGTATTTGTGAAATTAAGACAGACGTGAAATTTATGATGAGTGATCGTATTAGAACAGCTGATT
CTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATT
CAC
+
FFFF:FF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1374:2654:9220_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC

TCCAAGTCGCAAACACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTC
AGT

+

FF:FFFF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1133:24135:27571_2:N:0:TCTGCAAG+GCTGCACT
AACTGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAG
TATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCT

+

FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF:FFFFFFFFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2471:29532:31751_1:N:0:TCTGCAAG+GCTGCACT
ACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCTGA
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTT
AGC

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2338:11071:16783_1:N:0:TCTGCAAG+GCTGCACT
CGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGAAAAGGGAAG
CTAAGGTTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCA
AAA

+

FFF::F:FFFFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2637:3197:26099_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCAATTTACCACCTTGTCTCAACGACGAAGTGGAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTG
GTT

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1660:14425:36151_2:N:0:TCTGCAAG+GCTGCACT
TATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGG
GAGTTCTTGAAGCATCCCGACCTTCTCTTGTAATAATTTGATGCGGT

+

F:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1176:2700:25363_2:N:0:TCTGCAAG+GCTGCACT
TGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAA
GCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTT

+

FF:FFFFFFFFFFFFFFFF:FFFFFF:FFF
FF:FFF

@A00721:190:HGJW7DSXY:4:1335:4616:6355_1:N:0:TCTGCAAG+GCTGCACT
CCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACCTATCAGTTGATTAAGACTCTT
CCGAAAGGCGAACTTTGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAACTGTGG
TGT

+

FFFF,FFFFFFFFFFFFFFFF:FFF:F:FFFFFFFFFFFF,FFF:F:FFFFFFFFFFFF:FFFF:FFFFFFFF,F

@A00721:190:HGJW7DSXY:4:2274:8603:8249_2:N:0:TCTGCAAG+GCTGCACT
GGCATTGATAAATGACGAGACTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCG

CATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAG

+

F:FFFFFFFF:FFFFFFFF:FFFF:FFFFF::FF:F:FFFFFFFF:FFFF:FFFFFFFF:FFF:
FFFFFFFFFFFFFFFF:FFFFFFFF::FFFF:FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2165:17725:9173_1:N:0:TCTGCAAG+GCTGCACT
TCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACAC
TAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCA
ACA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2657:4589:4554_1:N:0:TCTGCAAG+GCTGCACT
ACACTTCGAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAG
GACACTATACAATATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATGTGGAGATA
TCG

+

FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1352:7256:21731_1:N:0:TCTGCAAG+GCTGCACT
AGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAG
CCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCT
ATG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1117:28311:3834_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAAATTATTTAGAGATCTTTT
CTA

+

FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2219:26042:7921_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCCGTCTGAAGAGTTTAGAG
CTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTA
AGG

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2661:26512:11772_1:N:0:TCTGCAAG+GCTGCACT
GAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATA
TAAAAATAAGGGAGTCATAACTTTTGTTACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTTATTA
ATC

+

FF:FFFFF
FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1345:11912:36620_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT

+

@A00721:190:HGJW7DSXY:4:1627:31159:15969_2:N:0:TCTGCAAG+GCTGCACT
TTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCACTCTTCGTTACGAGACCTGATGGT
AGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTT

+

@A00721:190:HGJW7DSXY:4:1345:21441:26224_2:N:0:TCTGCAAG+GCTGCACT
TCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATC
CTGCCTTTACTCATTTTATAGCAGAGATCGGAAGAGCGTCGTGTAGGG

+

@A00721:190:HGJW7DSXY:4:1107:30761:20729_1:N:0:TCTGCAAG+GCTGCACT
CGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAA
TGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACT
ACC

+

@A00721:190:HGJW7DSXY:4:2544:6894:10614_1:N:0:TCTGCAAG+GCTGCACT
TCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTATTTTCAGAACTCTCTCCG
ATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAA
ATA

+

@A00721:190:HGJW7DSXY:4:2532:30743:27367_2:N:0:TCTGCAAG+GCTGCACT
CGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTA
TGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGAC

+

@A00721:190:HGJW7DSXY:4:2230:30987:6245_2:N:0:TCTGCAAG+GCTGCACT
TAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCG
TTAGAACTGAAAAAGATTCTTTTCGAAAAAGAAACCTATAAGTTACAAA

+

@A00721:190:HGJW7DSXY:4:1319:30210:2237_1:N:0:TCTGCAAG+GCTGCACT
AAATACTTCAATTACCTGATCTTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCT
TCACTCTCGGTAATGAGTGTGTATTCCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTT
ATC

+

@A00721:190:HGJW7DSXY:4:2121:19036:19774_2:N:0:TCTGCAAG+GCTGCACT
CTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGA

AAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAA
+
FF:FFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1604:7202:27806_1:N:0:TCTGCAAG+GCTGCACT
TGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGT
TCAGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTT
ACC
+
:FFFFFFFFFFFFFFFF:FFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF,FFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2458:20365:4319_2:N:0:TCTGCAAG+GCTGCACT
CTCGTAACATTGACGGCAGTCCCGTCATCTCTGTGGAACTGAGGCAGTACCTCAGTCAAAAGTCACA
TTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCAT
+
FF:FFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFF::
@A00721:190:HGJW7DSXY:4:1647:7102:36245_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGCAAGAACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC
+
FF,FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1618:25870:31579_2:N:0:TCTGCAAG+GCTGCACT
CCACCATCTGGGGTTGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAA
GGCGGCTTGGGTCAATAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCC
+
FFFFF:FFFFFFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2643:15817:26318_1:N:0:TCTGCAAG+GCTGCACT
CTTGACAGAGTGAAGTTCAGACGTGTGCTCTTCCGATCTCGTCACTGAGGACGAAGGTGAGAGGA
CTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGA
CGC
+
FF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2220:20428:26099_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCG
GGA
+
FF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2451:13883:4022_2:N:0:TCTGCAAG+GCTGCACT
TTGCCAGAAATGCGGGCTTTCTGACTGATGAGGTTAAAGTCTTGCTCCTTCTGTGGGTGAGGGTTTT
TGTTATATTAAGTGTCTGGGAGGCTGCTTCTCCATAATTACAAC
+
FF
FFF::FFFFF::FF

@A00721:190:HGJW7DSXY:4:1366:3097:27774_2:N:0:TCTGCAAG+GCTGCACT
TTAGAAGGAAGTTGGGCAAATTCCCACATATGGTAGACGTTGTACACTTTTCTTGAAAATTTTCT
TTCCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAG

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFF,FFFFFF,FFFFFF,FFF:FFFFF:FFFFFF:FFFF

```

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

```

FFFFFF,FFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:,FFFF
FFFFFFFFFFFF:FF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:
FFFFFFFFFFFFFF,FFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF

```

+

```
FF,FFFFFFFFFFFFFFFFFFFF,FFFFFF,FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFF,FFF:FFFFFFFFFFFFFFFF:F,,FFFFF:FFFFFFFFFFFFF
FFF
```

+

```

: FFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF: FFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFF

```

+

[illegible]

@A00721:190:HGJW7DSXY:4:2157:27814:29496_1:N:0:TCTGCAAG+GCTGCACT
GAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTTATTCTCACAACAAAGATAAG
ATTTTATCTTTCTTCAAACACCCTGTTTTCTTAAGGGCGGACAATTGTTCCATTGTGAACCTCTGGG
GAC

+

FF
FF,
FFF

@A00721:190:HGJW7DSXY:4:1565:2320:10269_1:N:0:TCTGCAAG+GCTGCACT
AATAACTCGTAATAAATCTTTCTCTAGTGGACAATTGAGAATACCTATTTCCGTACCAAGAGCCACTG
CCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTTCGTTCTCAATAAAAATTTTCT
CAA

+

FF:
FF:
FFF

@A00721:190:HGJW7DSXY:4:1622:32832:1141_2:N:0:TCTGCAAG+GCTGCACT
ATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAG
TGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTTCATAT

+

FF
FFFF,FF

@A00721:190:HGJW7DSXY:4:1668:24795:15969_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAG
TACCGGAGGTGATCTCTCTGCTTCTGCGTACTGAGAGAAAAGATTGAGGACGCCTACGGTGACTTTA
TGG

+

FF
:FF
FFF

@A00721:190:HGJW7DSXY:4:1623:5746:33082_2:N:0:TCTGCAAG+GCTGCACT
TGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTG
AAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAACCAAGTTA

+

FF
FFFFFFFFFFFFFFFF:FF:FF:FFFF

@A00721:190:HGJW7DSXY:4:1557:6894:7827_2:N:0:TCTGCAAG+GCTGCACT
TACCTTCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGTGATCCCGATGTGGATTGAAGGCTGGCTCT
AAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1637:7211:6120_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTCTCAAGGCTCTCATCGC
CAC

+

:FFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1214:11930:10003_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAAAAGAAGTTTATTAATAAATTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATA
GCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATC
TGG

+
FF,FF,FFFF,, :FFFFFFFFFFFFFFF:,FFF::FFF:FFF,F::F:FFFF:FF:FFFF,FFF:FFFF
::FFF,FF,:FFFFFFFFFFFF,FFF,:FF:FFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1246:7545:3223_2:N:0:TCTGCAAG+GCTGCACT
AAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAAC
GATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAG
+
FF
FF::FFFFFF,F:FFF
@A00721:190:HGJW7DSXY:4:2334:2835:20243_1:N:0:TCTGCAAG+GCTGCACT
TTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTAT
GTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCA
TTA
+
FFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2524:29884:32049_2:N:0:TCTGCAAG+GCTGCACT
CCATATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACC
TTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCA
+
FF:F
FF:F
@A00721:190:HGJW7DSXY:4:2540:29640:22294_2:N:0:TCTGCAAG+GCTGCACT
GTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAA
GAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2312:9435:21308_2:N:0:TCTGCAAG+GCTGCACT
TACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTC
TTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGAC
+
FF:F:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF:FFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFF,FFFF:FFFFFFFFFFFF:FFFF:F:F
@A00721:190:HGJW7DSXY:4:2147:2103:33129_1:N:0:TCTGCAAG+GCTGCACT
TACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTCTCCACTGATTCGGAATTAGAGAAAG
ACGACCTTCTTGTTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAGGGAT
AAT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1237:27579:24330_2:N:0:TCTGCAAG+GCTGCACT
TTTCAAAAGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCG
GTTGAAGAGAAAACCTGATATGTTGCGGCTGATCGTACCCCAATTCT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2415:29215:3396_1:N:0:TCTGCAAG+GCTGCACT
GGCGATACCACTGATCTTCCAGAGTTACGTAGTGGTCTGTTCTTTTGGTGATTTTATCAAAGAGAAAGT
TTCTGCTAGTCGCGACGATAGTATTTATCGGAGTGATATTAACAAGTTAACTTCGAAGTACCACTT
ACA

+
FFFFF,FFFFFFFFF::FFFFFFFFFFFF:FFFFFFFF::FF:FFF:FFFFFFFFF:FFFF:F:
,F,FFFFFFFFFFFFF::FFFFFFFFFFFFF,FFFFFF:F,FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1630:21332:28792_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA
+
FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1476:14488:24643_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC
TCCAAGTCGCAAACACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTC
AGT
+
FF
FFFFFFFFFFFFFFFF:FF:FF
FFF
@A00721:190:HGJW7DSXY:4:2364:9670:25817_2:N:0:TCTGCAAG+GCTGCACT
AACTGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAG
TATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCT
+
FF,FFFFFFFFFFFFFFFF
FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,F:FFF,FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2654:17400:7921_1:N:0:TCTGCAAG+GCTGCACT
ACCACCTTAACGTCACGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGA
TCGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTT
AGC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2338:7835:6511_1:N:0:TCTGCAAG+GCTGCACT
CGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGAAGGGAAG
CTAAGGTAAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCA
AAA
+
F:FF
F:FF
FFF
@A00721:190:HGJW7DSXY:4:2647:20112:7733_1:N:0:TCTGCAAG+GCTGCACT
GAGTATCCATAACGATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCT
TTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTG
GTT
+
FF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2120:18249:6198_2:N:0:TCTGCAAG+GCTGCACT
TATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGG
GAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGT
+
FF,, :F,FF:F:FFFF,FF:FFF,FFFFFFFFFFFFFFFF:FFFFFF:FF,FFFF:F:FFF:FF:
FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFF:FFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1518:9182:14732_2:N:0:TCTGCAAG+GCTGCACT
TGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCCTGCGCTTTATTTTAAAAA
GCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1465:10520:4335_1:N:0:TCTGCAAG+GCTGCACT
CCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAGACTCTT
CCGAAAGGCGAACTTTGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCGTGACGAACTGTGG
TGT

+

FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1341:5367:31109_2:N:0:TCTGCAAG+GCTGCACT
ATTTTAGTGAGATTATTAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGAT
AGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2210:29306:3114_2:N:0:TCTGCAAG+GCTGCACT
TGTCTCGCCTCTTGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCAT
TGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTAT

+

FFFFFFFFF:FFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2323:19488:25034_1:N:0:TCTGCAAG+GCTGCACT
ATTAACCATTTGTACGATGTCGTCTGTCTCGCGCATCACTTTTACTAAGAATTGGTCTACTTTTG
GACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTT
GAG

+

FFFFFFFFF:F,F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1134:27136:18082_2:N:0:TCTGCAAG+GCTGCACT
ATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTATGAAAAC
ACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCT

+

FFFF:FFF:FF
FFFFFFFFF:FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1556:13928:10895_2:N:0:TCTGCAAG+GCTGCACT
TCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGACTTTTCGATACTTCT
ATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGT

+

FF
FFFFFFFFF:FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1670:15537:12524_2:N:0:TCTGCAAG+GCTGCACT
GACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAACTTTC
AGTTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAACCTCGTC

+

FF
FFFFFFFFF:FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2216:5719:14184_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTAC

TATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTA
GCT

+

FF
FF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1226:10013:27132_1:N:0:TCTGCAAG+GCTGCACT
AACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGAT
GTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATT
ACT

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2143:9064:7169_1:N:0:TCTGCAAG+GCTGCACT
GGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTATGAGGGTGT
CTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGT
TCA

+

FF:FFFFFFFF:FFF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2457:12870:25254_2:N:0:TCTGCAAG+GCTGCACT
CTAAAATATTTACAAAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTC
CTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCG

+

FFF:FFFFFFFFFFFFFFFF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2214:22950:8985_2:N:0:TCTGCAAG+GCTGCACT
GTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTG
ATGCTGACTTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGC

+

FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFF,

@A00721:190:HGJW7DSXY:4:1635:13078:7232_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCTTGGATTTTAAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCG
TAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCTAA
GTG

+

FFFFFFFFF::FFFFFF,FF:FFFFFFFF:FFFFFFF:FFF
FFFFF,FFFFFF::FFF:F:FFF::FF:FF:
FFF

@A00721:190:HGJW7DSXY:4:2451:18475:21966_1:N:0:TCTGCAAG+GCTGCACT
AATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCG
ACGGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAAGAATACTATAAATAGAATAGCT
ATT

+

FFFF::FFFFFFFF:FFFFF,FFF,FF:FFFF:F:FFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFF:FFFFFFFFFFFFF:F:FF,
FFF

@A00721:190:HGJW7DSXY:4:1619:32859:17159_2:N:0:TCTGCAAG+GCTGCACT
CAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAG
ACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAATC

+

FFFFFFFF:FFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1631:16043:20948_2:N:0:TCTGCAAG+GCTGCACT
ACTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACATTCCTACGATACAAATG
ATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAA
+
FFFFFFFF:FFFFFFFF:F:FF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFF:F:
@A00721:190:HGJW7DSXY:4:2205:10239:10645_2:N:0:TCTGCAAG+GCTGCACT
AGTCCCGCATTTGATAATAATGACGAGACTTTCGTGATAATCGCTGCATATTACGGATTACACGGTA
CCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAATT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2229:31584:15483_1:N:0:TCTGCAAG+GCTGCACT
TCTCTTCTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGAAAGGCTCCAGTCAACAC
TAGTTCGAGTGCTGCTTTGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCA
ACA
+
:FFFF:FFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1426:22887:16047_2:N:0:TCTGCAAG+GCTGCACT
TGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAA
TATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGTATTATG
+
FFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FF,FFFFFF:F:FFFFFFFFFFFFFFFF
FFFFFF:FFFFFF,FF,FFFF, ,FFF:FFFF::F,FFFFFF
@A00721:190:HGJW7DSXY:4:1361:3577:3928_1:N:0:TCTGCAAG+GCTGCACT
AGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAG
CCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTGCAACCCGTTGATGCT
ATG
+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFF
FFF
@A00721:190:HGJW7DSXY:4:1213:10095:34381_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTT
CTA
+
FFFF,F,:FF,F:,FFF:FFFF::F:,FF:FFFFFF:FFF:FFF,FFFFFFFF:FFFF:FF:
FFFFFF,FFFFFFFFFFFFFFFF:FFFF:FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2320:5466:20165_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCGTCTGAAGAGTTTAGAG
CTGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTA
AGG
+
FF:FFFFFFFF:FFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1105:8205:10692_1:N:0:TCTGCAAG+GCTGCACT
CCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAA

GGGAGTCATAACTTTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACT
TTA
+
:FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1157:18096:33646_2:N:0:TCTGCAAG+GCTGCACT
TCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATC
TTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGT
+
:FFF
FFF
@A00721:190:HGJW7DSXY:4:2228:2419:7498_2:N:0:TCTGCAAG+GCTGCACT
TTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGT
AGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTT
+
F,FFF
FFF
@A00721:190:HGJW7DSXY:4:1520:7175:7780_2:N:0:TCTGCAAG+GCTGCACT
TCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATC
CTGCCTTTACTCATTTTATAGCAGAGATCGGAAGAGCGTCGTGTAGGG
+
FFFF:FFF,FFFF
FFFFF:FFFFF, :FFF
@A00721:190:HGJW7DSXY:4:1110:3694:15186_1:N:0:TCTGCAAG+GCTGCACT
CGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAA
TGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACT
ACC
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2674:17933:1485_1:N:0:TCTGCAAG+GCTGCACT
TCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTATTTAGAACTCTCTCCG
ATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTAA
ATA
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1419:23339:36307_2:N:0:TCTGCAAG+GCTGCACT
GTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTAT
GATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACT
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:2621:22092:4116_2:N:0:TCTGCAAG+GCTGCACT
TAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCG
TTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAA
+
FFF:FFFFF:FFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1658:24180:31187_1:N:0:TCTGCAAG+GCTGCACT
AAATACTTCAAGTACCTGAACCTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCT

TCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTT
ATC

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2172:17616:34726_2:N:0:TCTGCAAG+GCTGCACT
CTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGA
AAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2127:14561:15123_1:N:0:TCTGCAAG+GCTGCACT
TGGCACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGT
TCAGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTT
ACC

+

:FFFFFFFFFFFFFF:FF,F:FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2560:22742:21997_2:N:0:TCTGCAAG+GCTGCACT
CTCGTAACATTGACGGCAGTCCCGTCATCTCTGTGGAACTGAGGCAGTACCTCAGTCAAAAGTCACA
TTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1660:9760:5368_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1625:22318:33473_2:N:0:TCTGCAAG+GCTGCACT
CCACCATCTGGGGTTGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAA
GGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCC

+

FF
FFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1223:19144:18239_1:N:0:TCTGCAAG+GCTGCACT
GTGCTCTTCCGATCTCCGACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGAC
TTTTCGCTACTGGCGACAACTGAGAGCACTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGAC
GCT

+

FF:FFFFFFFFFFFF,,FFF,FFFFFF:FFFFFF:FFFFFFFF
FF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2423:10041:25551_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTATTTTATCCGCGCTTACTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCG
GGA

+

FF

FF
FFF

@A00721:190:HGJW7DSXY:4:1678:31593:20666_1:N:0:TCTGCAAG+GCTGCACT
CTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGT
CCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCA
TGG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2212:18701:12555_1:N:0:TCTGCAAG+GCTGCACT
AATAACTCGTAATAAATCTTTCTCTAGTGGACAATTGAGAATACCTATTTCCGTACCAAGAGCCACTG
CCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAATTTTCT
CAA

+
FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2558:29098:13808_2:N:0:TCTGCAAG+GCTGCACT
ATGGGGATCACTTCTTCGGTCAATGACAAAACCTTGAATATGTTACGACATGGCTTCGTAACAACAG
TGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTTCATAT

+
FF
FF

@A00721:190:HGJW7DSXY:4:2549:12436:16203_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAG
TACCGGAGGTGATCTCTGCTTCTGCGTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACTTTA
TGG

+
FFFFF:FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2103:12201:28072_2:N:0:TCTGCAAG+GCTGCACT
TGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAATTGAGAAGATTG
AAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTA

+
FF
FF

@A00721:190:HGJW7DSXY:4:1650:7853:11522_2:N:0:TCTGCAAG+GCTGCACT
TACCTTCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCT
AAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAG

+
FF
FF

@A00721:190:HGJW7DSXY:4:1647:19669:33896_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGC
CAC

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1269:25437:19680_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAAAAGAAGTTTATTAACACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATA

GCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATC
TGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1262:6705:1454_2:N:0:TCTGCAAG+GCTGCACT
AAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAAC
GATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAG

+

FF:FF:F
FF,F,FFF:FFF,F,

@A00721:190:HGJW7DSXY:4:2443:12491:26162_1:N:0:TCTGCAAG+GCTGCACT
TTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTAT
GTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCA
TTA

+

FF:FFFFFFF
FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2410:31964:14575_2:N:0:TCTGCAAG+GCTGCACT
ATCAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTT
GGAGGTCCAGGAACCTTTACTCCTAGAGATCGGAAGAGCGTCGTGTAG

+

,FF:FF:FF:FF,FF
FFF:FF::FFF,F,FF:FFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2633:26937:2300_2:N:0:TCTGCAAG+GCTGCACT
GTTTCAGCTGGATGGATCTTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAA
GAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGT

+

FFFFFFF,FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF,FF:F:FF

@A00721:190:HGJW7DSXY:4:2330:2600:6558_2:N:0:TCTGCAAG+GCTGCACT
TACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTC
TTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2432:11225:35430_1:N:0:TCTGCAAG+GCTGCACT
TACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTGGAATTAGAGAAAG
ACGACCTTCTTGTTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGAT
AAT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1337:19777:11287_2:N:0:TCTGCAAG+GCTGCACT
TTTCAAAAGACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCG
GTTGAAGAGAAACTGATATGGTTGCGGCTGATCGTACCCCAATTCT

+

FF:FF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FF:FFFFFFFF:FFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFF,F:FFFF:FFFF

@A00721:190:HGJW7DSXY:4:1125:23854:8891_1:N:0:TCTGCAAG+GCTGCACT
GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAG

TATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGC
AAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1676:24948:29637_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA

+

FF
FF:FF

@A00721:190:HGJW7DSXY:4:1630:21332:28792_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC
TCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTC
AGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2457:22562:34929_2:N:0:TCTGCAAG+GCTGCACT
AACTGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAG
TATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCT

+

FF
FFFF:FF

@A00721:190:HGJW7DSXY:4:2163:8974:22514_1:N:0:TCTGCAAG+GCTGCACT
GTGACTGGAGTTGACGCGTGCTCTTCCGATCTATTAAGTACTAATGAGTTCAAGTCGGTTGTCGAT
CGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTA
GCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2560:24288:25019_1:N:0:TCTGCAAG+GCTGCACT
CGAAATGGTCAATATTGATAATTGGACCGACTATATGACCTATTTTAAGCTCATGGTGAAGGGAAG
CTAAGGTAACTTGATGCTTCAGCCTTTTCGAAGCATAACCCCGCACAGAATATCGTTTATCACGCA
AAA

+

FFFFFFF,FF,FFFFFF,FF
FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1124:22327:6120_2:N:0:TCTGCAAG+GCTGCACT
CATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAAACGGCCAACACTTTCTTTGGTAA
TTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGA

+

FFFFFFFFFFFFFFFF,::FF:FFFF,FF
:FFFFFF:,F:FFFF,FFFFFFFFFFFF,::FF:FF,FFF:F:FF:F

@A00721:190:HGJW7DSXY:4:2365:28899:34945_2:N:0:TCTGCAAG+GCTGCACT
TATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAAGATTCCGAGAGGTTTATCCTGATGTGGAGG
GAGTTCTTGAAGCATCCCGACCTTTCTTGTGAAAATTTTGATGCGGT

+

FFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF, ,FFFF:FFFFFFFFFFFF,FFFFFFF:F,F
:F:FFFFFFF,FFFFFF,FFFF:F:FFF:F:FFFFFFFFFFFF, ,FF

@A00721:190:HGJW7DSXY:4:1666:16803:20541_2:N:0:TCTGCAAG+GCTGCACT
TGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCCTGCGCTTTATTTTAAAAA
GCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1543:15664:11115_1:N:0:TCTGCAAG+GCTGCACT
CCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTACGATAACAACATCAGTTGATTAAGACTCTT
CCGAAAGGCGAACTTTGGAATTTGAAGCTCAGGGTGAAGCACAAACGTTTGACCGTGACGAACTGTGG
TGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2150:1461:23688_2:N:0:TCTGCAAG+GCTGCACT
ATTTTAGTGAGATTATTAACGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGAT
AGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2438:15754:15812_2:N:0:TCTGCAAG+GCTGCACT
TGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCAT
TGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTAT

+

FF
FF
:::FF,FF:FFFFFFFFF:F,F,:FFFFFFFFF,FFF,,FF:FFFF

@A00721:190:HGJW7DSXY:4:1114:21522:12430_1:N:0:TCTGCAAG+GCTGCACT
TTAAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCTACTTTTGG
ACAAGGCCAACTTCGAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTG
AGA

+

: ,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1304:19316:31438_2:N:0:TCTGCAAG+GCTGCACT
ATTGTATTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTATGAAAAC
ACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCT

+

F:FF:F,FF
FFFFFFFFF,FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1556:22616:11506_2:N:0:TCTGCAAG+GCTGCACT
TCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCT
ATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2365:6171:15624_2:N:0:TCTGCAAG+GCTGCACT
GACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAACTTTC
AGTTTCACTAAGGAGGAGGTTTCTGTTACTGGAACCTCGTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2256:6768:19914_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTGTGAATTAACGCGTCCTTTTCTGGAACGTAGTTTTAC

TATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTA
GCT

+

FF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1459:18765:12226_1:N:0:TCTGCAAG+GCTGCACT
AACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGAT
GTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATT
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2259:25681:11240_1:N:0:TCTGCAAG+GCTGCACT
GGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTTCACTCTGGCCTTGTATGAGGGTGT
CTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGT
TCA

+

FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2633:25111:22467_2:N:0:TCTGCAAG+GCTGCACT
CTAAAATATTTACAAAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTC
CTCCTTTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2475:19397:30671_2:N:0:TCTGCAAG+GCTGCACT
GTCTATATTAGGTGAAGCGAAATACGATTTGCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTG
ATGCTGACTTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGC

+

FFFFFFFFFFFFFFFF:FF:FFFFFF
FF:FFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:1676:24433:18474_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCTTGGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCG
TAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCTAA
GTG

+

FFFF,:FFFF:F:FFF:FF,,FFFFFFFF:FFFF:FFF:FFF,FFFFFF,FFFFF::,FFFFF
F:FF,,FFFFF::FFFFFFFF:FF,FFFF:FFFFFF,FFFFFFFF,FFFFF:,FF::F:FF,FFF
FF:

@A00721:190:HGJW7DSXY:4:2472:19162:2738_1:N:0:TCTGCAAG+GCTGCACT
AATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCG
ACGGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAGAATACTATAAATAGAATAGCT
ATT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1673:4698:33301_2:N:0:TCTGCAAG+GCTGCACT
CAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAG
ACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAATC

+


```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2273:31096:9377_2:N:0:TCTGCAAG+GCTGCACT
ACTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCTACGATACAAATG
ATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAA
+
FFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
@A00721:190:HGJW7DSXY:4:2215:31015:21261_2:N:0:TCTGCAAG+GCTGCACT
AGTCCCGGCATTTGATAATAATGACGAGACTTTCGTGATAATCGCTGCATATTACGGATTACACGGTA
CCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAAGTT
+
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2229:31819:15421_1:N:0:TCTGCAAG+GCTGCACT
TCTCTTCTTATAATAATAATAATAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACAC
TAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCA
ACA
+
F::,,, :FFFFFFFFF:FFFF,,FFF:FFFF,FFFFF:,FFFF:FFFF:,F,FFFFFF,F,FF,F,
F:FF::,, :F:,FF,FFF,,,FF,FF,FF,: ,FFFFFFFF,FFFFFFFFFFFFFFF,,FFF:, :F,FF,,F
FFF
@A00721:190:HGJW7DSXY:4:1428:28763:1110_2:N:0:TCTGCAAG+GCTGCACT
TGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAA
TATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:1625:3152:9612_1:N:0:TCTGCAAG+GCTGCACT
AGGATATTGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCCTTTGATACAACCTCTAG
CCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGTTTCGAACCCGTTGATGCT
ATG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1224:26621:27211_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTGTTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA
+
FFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2538:29143:22185_1:N:0:TCTGCAAG+GCTGCACT
TATTGTTCTTCCGATACTTAGTGAACGCGTTCGTAGATCCAAGTACTTTCCGTCTGAAGAGTTTAGAG
CTGCTATTGTTTATGTAACCGTTAGGAGTTGTTTAGTTGTAGATGTGGCTTTAGACGATAATCCTTTA
AGG
+
:F,:FFF:F,F,FFFF,, :FFF,,,,, ,FFF,FF,:F,: ,FF,,FFF,FFF:FFFFFF:FFF:F,F,,
,FFFF::FF,FF,FF:FF,F:,F:FF,F:F:, ,FFFF:, ,FF,FFFFFFFFFFFF,FF:FFFF,:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1144:30011:13041_1:N:0:TCTGCAAG+GCTGCACT
CCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAAATATAAAAATAA

```

GGGAGTCATAACTTTTGTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACT
TTA

+

:FF:FF:FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1169:15474:7028_2:N:0:TCTGCAAG+GCTGCACT
TCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGAACAACCTTTACTTAGAATGACTCTATC
TTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGT

+

:FFFFFFFF:F:FFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2335:28465:36417_2:N:0:TCTGCAAG+GCTGCACT
TTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGT
AGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTT

+

FFFFFFFF:FF
F::FF,FFFFF

@A00721:190:HGJW7DSXY:4:2267:26847:36088_2:N:0:TCTGCAAG+GCTGCACT
TCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAAAC
CTGCCTTTACTCATTTTATAGCAGAGATCGGAAGAGCGTCTTGTCGGG

+

FFFFF,F:FFFF:F:FF:FFFF,FFFFFFFFF:F:FFFFFF:FFFFF:,F:FFFF::F:FF:FF,,
:FFFF,:FF,FFF:F:FFFFF:F:FFFF:,F,F:FFFF,F:,,,FF

@A00721:190:HGJW7DSXY:4:1261:2220:20400_1:N:0:TCTGCAAG+GCTGCACT
CGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAA
TGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACT
ACC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1663:20003:19476_2:N:0:TCTGCAAG+GCTGCACT
GGAAAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTT
GGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1512:8169:3145_2:N:0:TCTGCAAG+GCTGCACT
GTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGAAGAGGTCTAT
GATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2637:4363:35509_2:N:0:TCTGCAAG+GCTGCACT
TAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCG
TTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAA

+

FF
FF,F

@A00721:190:HGJW7DSXY:4:2312:3206:35039_1:N:0:TCTGCAAG+GCTGCACT
AAATACTTCAAGTACCTGAACCTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCT
TCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTT
ATC

[illegible]

$$+ \begin{matrix} F,,:FF:F::F,::,F,:FF:F,F,F,,, :F:::,:::,F,F,,,FF,,,,FFFFF,F,F,,, : \\ F,,,FF,,,,:,,, :F,,FFFF,FF:FF,F:,F:,,,F,FFF:,F:, \end{matrix}$$

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF::FF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
```

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,:FFFF:FF
```

```

+
FFF,F,FFFFFFFFF::,F:F:FF,F:F,:F,:FFFFFF:FF:FFFFFF:FF,FFF:,FFFF,FF,:,
FFFF,FFF::FFFF:,FF,F,FFF,FFF,F,,:FFF:,FFF:,FF:,FFFFFFF:,FFFFFFF,FFF
FFF

```

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
F:FF:FF:FFFFFFFF:FFF::F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

```
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

```
+
FF,F:FF:F,F:,FFFFFF:FFFFFFFF,::FFFFFFFF,FF,FFFFFFFFFFFFFFFF:FFFFFFFF
FFF,F:F:FFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFF:F:F:FFF:FFF,F,
FFF
```

[illegible]

@A00721:190:HGJW7DSXY:4:2502:5891:27445_1:N:0:TCTGCAAG+GCTGCACT
CTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTTCGTCTTAGTTTGT
CCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCA
TGG

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2656:14751:21559_1:N:0:TCTGCAAG+GCTGCACT
AATAACTCGTAATAAATCTTTCTCTAGTGGACAATTGAGAATACCTATTTCCGTACCAAGAGCCACTG
CCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTTCGTTCTCAATAAAAATTTTCT
CAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2558:29713:14184_2:N:0:TCTGCAAG+GCTGCACT
ATGGGGATCACTTCTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAG
TGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTTCATAT

+

FF
FF
FFFF,FF,FFFF,FF:FFFF

@A00721:190:HGJW7DSXY:4:2621:5927:18928_1:N:0:TCTGCAAG+GCTGCACT
ACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAG
TACCGGAGGTGATCTCTCTGCTTCTGCGTACTGAGAGAAAAGATTGAGGACGCCTACGGTGACTTTA
TGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2232:18340:7545_2:N:0:TCTGCAAG+GCTGCACT
TGAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTG
AAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAACCAAGTTA

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:2226:27254:35697_2:N:0:TCTGCAAG+GCTGCACT
TACCTTCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGTGATCCCGATGTGGATTGAAGGCTGGCTCT
AAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAG

+

FF
FFFFFFFFFFFFFFFF:FF:FF

@A00721:190:HGJW7DSXY:4:1673:28890:34648_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTCTCAAGGCTCTCATCGC
CAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1478:30544:25864_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAAAAGAAGTTTATTAATAAATTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATA
GCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATC
TGG

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1269:4517:14638_2:N:0:TCTGCAAG+GCTGCACT
AAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAAC
GATGAAGATTTCCACACTGTTCGAGAATCTTCTGATGCTGAATTTGAG
+
FF:FFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2626:20148:9706_1:N:0:TCTGCAAG+GCTGCACT
TTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTAT
GTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCTTGACGTCA
TTA
+
FFFFFFFFFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1170:11695:9533_2:N:0:TCTGCAAG+GCTGCACT
CAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGG
AGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACG
+
FFFFFFFFFFFF:FFFF,FF:FFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2602:32714:7420_2:N:0:TCTGCAAG+GCTGCACT
TTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGAAGAGATTAAACATAAAATC
CAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTGCGATGATGTT
+
FFFF,FF:,F:F:F:FFFFFFFF:FF,:FF:FFF:FFF,F,FFFF:,FFFF:FFF:FFF,FFFF:FFF
FFFF,FFFF:F,FF,FFF,F:FF,,FF:FF:FFFFFFFF,FF:::F
@A00721:190:HGJW7DSXY:4:2466:19470:32362_2:N:0:TCTGCAAG+GCTGCACT
TACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTC
TTGGTCGAAAATATCGCCGGGACCTTCTAATAGATGATCCTGATGAC
+
FFFFFF:FFF,FFF::FF,F,F:,FFFFFF,FFF:F,FF,FFF,:FF,:FFFFFFFF,FF:F:FFF:
,FF,FFFFFFFF,FF,,F:F,FF,:FFF:F,FFFF,FFFFFFFF:FFF:
@A00721:190:HGJW7DSXY:4:2630:3161:9878_1:N:0:TCTGCAAG+GCTGCACT
TACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAG
ACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGAT
AAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2377:13485:26976_2:N:0:TCTGCAAG+GCTGCACT
TTTCAAAAGACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCG
GTTGAAGAGAAAACCTGATATGGTTGCGGCTGATCGTACCCCAATTCT
+
FFFFFF:FFFF,FF:FF
FF:FF
@A00721:190:HGJW7DSXY:4:1367:24334:19554_1:N:0:TCTGCAAG+GCTGCACT
GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAG
TATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGC
AAC

[illegible]

@A00721:190:HGJW7DSXY:4:2321:20202:5165_2:N:0:TCTGCAAG+GCTGCACT
TGATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAA
GCTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTT

+

FFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFF:FF
::FF:FFFFFFFFFFFFFF:FF:F::F:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1618:8802:15796_1:N:0:TCTGCAAG+GCTGCACT
CCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACCTATCAGTTGATTAAGACTCTT
CCGAAAGGCGAACTTTGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCGTGACGAACTGTGG
TGT

+

:FFF:F:FFFF:FFF:FFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF
:FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1232:27254:25426_2:N:0:TCTGCAAG+GCTGCACT
TTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATA
GCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGA

+

FF:FFFFFFFFFFFFFFFF
FF:F,F:FFF::FFFF

@A00721:190:HGJW7DSXY:4:2450:7762:16532_2:N:0:TCTGCAAG+GCTGCACT
TGTCTCGCCTCTTGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCAT
TGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATTATGCTAT

+

F:F:FFFF,F:,FF,FF:F::F,FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF,FFFF,,FFF:FFFF,
,:F,FFFF:FFFFFF:FFF:FFFFFFFF::F,FFFFFF,FFFFFF

@A00721:190:HGJW7DSXY:4:1178:30689:19727_1:N:0:TCTGCAAG+GCTGCACT
TTAAAACCATTTGTACGATGTCGTCTGTCTCGCGCATCTTTTCACTAAGAATTGGTCTACTTTTGG
ACAAGGCCAACTTCGAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTG
AGA

+

FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFF:FFFFFF:FFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1333:9191:18850_2:N:0:TCTGCAAG+GCTGCACT
ATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTATGAAAAC
ACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCT

+

FF:FFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF:FF

@A00721:190:HGJW7DSXY:4:1128:13593:26694_1:N:0:TCTGCAAG+GCTGCACT
AGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTACTTTCGATACTTCTATCGTC
TTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGT
TGA

+

FFFF:FF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2566:14977:19257_2:N:0:TCTGCAAG+GCTGCACT
AGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAACTTTTCACTTTCACAACCTGAAGGAGG
AGGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATAC

+

FF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2349:15374:10582_2:N:0:TCTGCAAG+GCTGCACT
TGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2123:18873:19523_1:N:0:TCTGCAAG+GCTGCACT
GGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAA
CATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGA
AGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1520:13286:25441_1:N:0:TCTGCAAG+GCTGCACT
AAGACTGTGATTTATCTTTCACTCTGGCCTTGTATGAGGGTGTTCCTAATCGTAACATTAATAATTC
AATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGC
CAA

+

FF,FFFF
FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1255:30879:35023_2:N:0:TCTGCAAG+GCTGCACT
ATATTTACAAAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCT
TTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2475:19416:30514_2:N:0:TCTGCAAG+GCTGCACT
GTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTG
ATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2125:15835:9126_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCTTGGATTTTAAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCG
TAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCTAA
GTG

+

FF,F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2556:5484:30373_1:N:0:TCTGCAAG+GCTGCACT
AATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCGTAAAGGAAGATCTGTTATCG
ACGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAAGAATACTATAAATAGAATAGCT
ATT

+

FFF:FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2542:3468:24471_2:N:0:TCTGCAAG+GCTGCACT
CAACTTCTTGACAATTTTCTTCAATCCTTCGATAATAGTTAAATCTAGGATTATGTCTGTGTTGAAAG
ACTTTCTACCGATAAGGGTCACTAGTCTTACACAATTAAGAAATAATC

+

FF
FF
@A00721:190:HGJW7DSXY:4:2368:15619:18458_2:N:0:TCTGCAAG+GCTGCACT
ACTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATG
ATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2317:22462:19038_2:N:0:TCTGCAAG+GCTGCACT
AGTCCCGCATTTGATAATAATGACGAGACTTTCGTGATAATCGCTGCATATTACGGATTACACGGTA
CCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2261:8115:29199_1:N:0:TCTGCAAG+GCTGCACT
TCTCTTCTTATAATAAAATAAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACAC
TAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCA
ACA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1455:2112:17487_2:N:0:TCTGCAAG+GCTGCACT
TGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAA
TATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGTATTATG
+
,FFFF:FFFFFF:FFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF:F
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2105:31467:19758_1:N:0:TCTGCAAG+GCTGCACT
AGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAG
CCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTGCAACCCGTTGATGCT
ATG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1224:26666:26976_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2271:32750:35383_1:N:0:TCTGCAAG+GCTGCACT
ATAGTTCTACCGATACGTAGTGAACGCGTTCGTAGAACCAAGTACTTTCGTGTAAGAGTTTAGAGC
TGCTATTGATTATGTAACCGATAGGAGTTGTATAGTTGAAGATGTGGCTTTAGACGATAATCCTTTAA
GG
+
FFFF,FF:FFFF:FF:FFFF:FFFFFFFF:,F,F:FF:FFF:F,FF,:FFFFFFFFFFFF:FFFFFFF
FF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1268:26422:32941_1:N:0:TCTGCAAG+GCTGCACT
CCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAA

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1528:32904:25316_1:N:0:TCTGCAAG+GCTGCACT
GTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGT
ATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGG
GGA
+
F:FFFFF:FF:F:FFF
FF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1604:6831:29575_1:N:0:TCTGCAAG+GCTGCACT
GGCACGCCAGACGTCGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTT
CAGGGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTA
CC
+
F::FFFFFFFFFFFF,FFFFFFFFFFFF,FFFFFFFFFFFF,,FFFFFFFF,FFFFFFFF:FFFFFFFFF:FFFF
F:FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFF::F:FF:FFFFFFFFFFFFFFFF,FFFFF:FFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2153:22688:33458_2:N:0:TCTGCAAG+GCTGCACT
ACGGCAGTCCCCTCATCTCTGTGGGAAGTGAAGGAGTACCTCAGTCAAAAGTCACATTCACCACTCCC
ATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGT
+
FFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFF
@A00721:190:HGJW7DSXY:4:1614:11035:24799_2:N:0:TCTGCAAG+GCTGCACT
GGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGA
CCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAA
+
FFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFF
@A00721:190:HGJW7DSXY:4:2443:22842:15186_2:N:0:TCTGCAAG+GCTGCACT
CAAACTGATAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGA
AGGAAGATCTCCACCATCTGGGGTTGGAATAAGAAATCTGCAGATC
+
FFFFFFFFF:FFFFFFFFF:FFF
:FFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1445:2980:33082_2:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTTCTGCCTACTATGAGCAAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1460:21197:8359_1:N:0:TCTGCAAG+GCTGCACT
TCGTCACTGAGGACGAAGGCGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGA
AAGAGAATTGCGTGCGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGT
CAA
+
FFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:F:FFF
FFF
@A00721:190:HGJW7DSXY:4:1666:7726:25113_1:N:0:TCTGCAAG+GCTGCACT
TTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATTGAGTCTTGAAGGACTTAGGTTGGCATATTT

ATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGT
GAG

+

FF
,FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2140:4083:24878_2:N:0:TCTGCAAG+GCTGCACT
TTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTTC
TGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATT

+

FF:F::F:FFFFF,FFFFFFFFFFFFFFFF,FFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2167:17418:34663_2:N:0:TCTGCAAG+GCTGCACT
TAGACGTTGTCACTTTTCTTGAAAATTTTCTTTCTCCTCGTCATTGGGGATTTCGATGTGAGAAG
GTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAAT

+

FF:F,F,FFFF:FFFFFFFF,FFFFF
F:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF:F:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2240:21142:29089_2:N:0:TCTGCAAG+GCTGCACT
AGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATT
CAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGA

+

FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFF:FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1312:29740:35994_1:N:0:TCTGCAAG+GCTGCACT
AGGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAA
GGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTCTTTGGAGTTTATAG
ATA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1165:1850:5259_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGTAACCTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTC
CGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1563:20618:27023_2:N:0:TCTGCAAG+GCTGCACT
GGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGA
GTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGG

+

FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:1466:32488:13385_1:N:0:TCTGCAAG+GCTGCACT
CAGCCATATCGAGACTAGGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGAT
ATTGGAGGCGATATTCGTTTTCATATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCT
TGA

+

FF,F,F,FF:F:FFF:FFF,FFFF:FFFFF::FFFFF,FFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFF
FFFF:FFFFFFFFFFFFF::FFFFFFFFFFFF,FFF:F,FFF,FFFFFFFFFFFF:F,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2359:24180:25363_1:N:0:TCTGCAAG+GCTGCACT
GCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTAT

@A00721:190:HGJW7DSXY:4:2134:1298:20306_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAAAAGAAGTTTATTTAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATA
GCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATC
TGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1304:13774:20337_2:N:0:TCTGCAAG+GCTGCACT
AAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAAC
GATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAG

+

FF
FF
FFF:

@A00721:190:HGJW7DSXY:4:2626:20283:9815_1:N:0:TCTGCAAG+GCTGCACT
TTCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTAT
GTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTGCTTGACGTCA
TTA

+

F:FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1239:31720:33630_2:N:0:TCTGCAAG+GCTGCACT
CAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGG
AGGTCCAGGAACCTTTACTCCTAGTGTCTTTCTAGAGTCCAAGGACG

+

FF
FF
FFF:

@A00721:190:HGJW7DSXY:4:2629:8115:32424_2:N:0:TCTGCAAG+GCTGCACT
TTTTGATGGTATGTTTCACATTGCGTGATCACTTCCCGTGGACTTGGGAAGAGATTAAACATAAAATC
CAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTT

+

FF
FFFFF:FF
FFF:

@A00721:190:HGJW7DSXY:4:1221:13801:9267_1:N:0:TCTGCAAG+GCTGCACT
TACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTCATGAGGATGTC
TTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGA
TCT

+

FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1139:15103:19977_1:N:0:TCTGCAAG+GCTGCACT
CGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCT
CTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGT
GTT

+

FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:2610:5448:8108_2:N:0:TCTGCAAG+GCTGCACT
GCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGATACCACTGATCTTCAGAGTTACG
TAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAG

+

FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2118:24478:34115_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:1672:10050:23750_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC
TCCAAGTCGCAAACACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTC
AGT
+
FFFFFFFFFFFF,F:FF
FF:F:FF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2523:28791:1344_2:N:0:TCTGCAAG+GCTGCACT
AACTGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAG
TATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCT
+
FF
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2236:18096:19554_1:N:0:TCTGCAAG+GCTGCACT
GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTATTAAGTACTAATGAGTTCAAGTCGGTTGTGCGAT
CGAATTAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTA
GCT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFF
FF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1575:13123:7686_2:N:0:TCTGCAAG+GCTGCACT
CATAACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCTTTGGTAA
TTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1328:22218:1986_1:N:0:TCTGCAAG+GCTGCACT
ATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGG
AGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATC
CTG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1127:18511:25128_2:N:0:TCTGCAAG+GCTGCACT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAG
CTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2225:23086:5494_1:N:0:TCTGCAAG+GCTGCACT
CCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATATCAGTTGATTAAGACTCTT
CCGAAAGGCGAACTTTGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAACTGTGG
TGT

+
FFFF:FFFFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1562:15438:8437_2:N:0:TCTGCAAG+GCTGCACT
TTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATA
GCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGA
+
FF
FF,FFFF:FFFF
@A00721:190:HGJW7DSXY:4:2540:28411:34350_2:N:0:TCTGCAAG+GCTGCACT
TGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCAT
TGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTAT
+
FF:FF
FF
@A00721:190:HGJW7DSXY:4:1209:12626:33755_1:N:0:TCTGCAAG+GCTGCACT
TTAAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTCCTACTTTTGG
ACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGTTGTTAGGGATTTTG
AGA
+
FFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1436:15365:30577_2:N:0:TCTGCAAG+GCTGCACT
ATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAAC
ACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCT
+
FF:FF
FFFFFFFF:FFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1360:15293:33051_1:N:0:TCTGCAAG+GCTGCACT
AGGGTTTCAAGATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTATCGTC
TTACGTTACGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGT
TGA
+
FF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2618:27082:9126_2:N:0:TCTGCAAG+GCTGCACT
AGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAACTTTTCAGTTTCACAACTGAAGGAGG
AGGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATAC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2511:3902:32988_2:N:0:TCTGCAAG+GCTGCACT
TGAACCAAGTTATCAAAGATAGTGGCATTCAAGGCAAACTTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT
+
FFF:F,FFFFFFFF,F:FFFFFF:F:FFFFFFFFF:, :FF:FFFFFFFFFFF:F:FF,FFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFF:FFFFFFFFF, :FFF
@A00721:190:HGJW7DSXY:4:2221:14055:22420_1:N:0:TCTGCAAG+GCTGCACT
GGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGACTCTTCGTCGATTGTATCAACAGTAA
CATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGA
AGG

$+$

@A00721:190:HGJW7DSXY:4:2101:22327:9627_1:N:0:TCTGCAAG+GCTGCACT
CGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAA
TGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACT
ACC

$$+$$

@A00721:190:HGJW7DSXY:4:2275:29767:27430_2:N:0:TCTGCAAG+GCTGCACT
GGAAAATAGCAATAATCAAATTCGACAAATTTTAGTACTTTATTTAGAACTCTCTCCGATCACCTT
GGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATC

+

@A00721:190:HGJW7DSXY:4:2305:6677:1752_2:N:0:TCTGCAAG+GCTGCACT
GTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTAT
GATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACT

+

@A00721:190:HGJW7DSXY:4:1128:10999:14278_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAG
AACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGAT

+

@A00721:190:HGJW7DSXY:4:1159:19470:8970_2:N:0:TCTGCAAG+GCTGCACT
ACTTCAAGTACCTGAACCTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCAC
TCTCGGTAATGAGAGTGTATTCCCTTAATATTCTAGTAACCGCTATGTG

+

@A00721:190:HGJW7DSXY:4:1617:8856:9909_1:N:0:TCTGCAAG+GCTGCACT
GTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGT
ATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGG
GGA

+

@A00721:190:HGJW7DSXY:4:1662:19723:25316_1:N:0:TCTGCAAG+GCTGCACT
ACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTGAG
GGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCG
GAC

+

[illegible]

@A00721:190:HGJW7DSXY:4:2258:19289:29481_2:N:0:TCTGCAAG+GCTGCACT
ACGGCAGTCCCGTCATCTCTGTGGGAACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACTACCTCCC
ATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1665:4191:23187_2:N:0:TCTGCAAG+GCTGCACT
GGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCCAAGCCAATCAATAGTTCTTCTGA
CCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAA

+

FFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2571:30029:22028_2:N:0:TCTGCAAG+GCTGCACT
CAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGA
AGGAAGATCTCCACCATCTGGGGTTGGAATAAGAAATCTGCACGGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1560:4896:7028_2:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1613:28149:11663_1:N:0:TCTGCAAG+GCTGCACT
TCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGA
AAGAGAATTGCGTGCGTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGT
CAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2229:6596:27539_1:N:0:TCTGCAAG+GCTGCACT
TTTATCCGCGCTTAACCTATGGGGCGAAGATCCCCTATTGAGTCTTGAAGGACTTAGGTTGGCATATTT
ATGCCGACGATAATAAGCATGTACCCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGT
GAG

+

FFFF,FFFF:FFFF:::FFFF:FFF,FFFF,FFFFFFFF,FFF:FFFFFFFF,FFFF,:FFFFF
F:FF,FFF:FFFFFFFF:FFF:F:FFFFFFFF:FFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2163:1280:19523_2:N:0:TCTGCAAG+GCTGCACT
TTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTTC
TGGGAGGCTGCTTCTCCTCCATAATTACAACCTCTCTTTAGAGAGCATT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2306:27588:18082_2:N:0:TCTGCAAG+GCTGCACT
TAGACGTTGTCACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAG
GTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2561:11487:11616_2:N:0:TCTGCAAG+GCTGCACT
AGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTT

$+$

FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF

GGAT

+

FFF

AGAs

+

[illegible]

GGT

+

+

CAGC

+

FFF

GCA⁺

+

FFF

TCT

+

FFF

TAA

+

AATC

FF
FFF

@A00721:190:HGJW7DSXY:4:1320:18593:28244_2:N:0:TCTGCAAG+GCTGCACT
CAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTG
AGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACG

+
FF
FF
FF

@A00721:190:HGJW7DSXY:4:1641:14959:25833_1:N:0:TCTGCAAG+GCTGCACT
TTGGGAAGAGATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATG
ATGTTGCGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAA
GGA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1468:6180:26256_1:N:0:TCTGCAAG+GCTGCACT
GAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTCATGAGGATGTCTTGGTCGAAA
AATATCGCCGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCT
ACC

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1510:32380:15389_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAA
TTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCT

+
FF
FF
FF

@A00721:190:HGJW7DSXY:4:1116:6063:1313_2:N:0:TCTGCAAG+GCTGCACT
TCAAAAGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGT
TGAAGAGAAAAGTATGATGTTGCGGCTGATCGTACCCCAATTCCTGC

+
FF
FF
FF

@A00721:190:HGJW7DSXY:4:1405:18050:12994_1:N:0:TCTGCAAG+GCTGCACT
GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAG
TATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGC
AAC

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2139:15040:32737_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA

+
FF
FF

@A00721:190:HGJW7DSXY:4:2118:24225:33802_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC
TCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTC
AGT

+++++
FFFFFFFFFFFF::FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2645:21793:28494_2:N:0:TCTGCAAG+GCTGCACT
AACTGTACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAG
TATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCT
+
FFF
FF:F:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2471:5945:23688_1:N:0:TCTGCAAG+GCTGCACT
GTGACTGGAGTTTCAGACGTGTGCTCTTCCGATCTATTAAGTACTAATGAGTTCAAGTCGGTTGTGCGAT
CGAATTAAGATCAAGGCTAATACTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTA
GCT
+
FF,
FFF
FFF
@A00721:190:HGJW7DSXY:4:2205:3812:29669_2:N:0:TCTGCAAG+GCTGCACT
CATACGATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGAACGCCAACACTTTCTTTGGTAA
TTGTATGATCACTTTGATGATTTTTATCACTTTATTATGACCTTGAAA
+
FF
FFF
@A00721:190:HGJW7DSXY:4:1442:15510:25535_1:N:0:TCTGCAAG+GCTGCACT
ATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGG
AGTTCTTGAAGCATCCCGACCTTTCCTTGTAATAATTTGATGCGGTTTCATAAGATTATCAGTAATC
CTG
+
FFFFFFF:FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1170:18096:25598_2:N:0:TCTGCAAG+GCTGCACT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAG
CTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2230:2483:16908_1:N:0:TCTGCAAG+GCTGCACT
CCTCCTCAGCTTGTGTTTTTACCTAATCTGTGTTTTTACGATAACAACCTATCAGTTGATTAAGACTCTT
CCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCGTGACGAACTGTGG
TGT
+
FFFF,FFFFFFFFFFFF,,FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1665:28962:14137_2:N:0:TCTGCAAG+GCTGCACT
TTTTAGTGAGATTATTA AAAACGCACTAAATCGTCTTTCGACAACAGCAGGGGTTTTCGAATAGTGATA
GCCACACGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGA
+
FFFFF::FFFFFFFFFFFF:F:FF:, , F,:F:F,:FFFFFFFF,F:FF,FFFFF:,FFFF:, , F,F:FFFFF
:FFFF,FFFFFFFF,F,:FFF::FF,F::FF:F::FFFF,FF:FF,FFF:
@A00721:190:HGJW7DSXY:4:1131:11342:16626_1:N:0:TCTGCAAG+GCTGCACT
TCGCCTCTTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTTGGT

TTTTCTACTAATGATGACACTATTGTTTATGGTTATGATGCTATTACTCATGATGGTTACGGTAAGGG
AGG

```

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

+

```
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFF:FFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

 $+$

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFF:F,F
```

+

```
FFFFFFFFF:FFF:FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:  
FFF
```

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF;FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

 $+$

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFF:E;FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
```

+

[illegible] $+$ [illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:2260:16920:17989_2:N:0:TCTGCAAG+GCTGCACT
ATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCT
TTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2166:14226:2425_1:N:0:TCTGCAAG+GCTGCACT
GTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTG
ATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGG
CCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2208:5014:33348_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCTTGGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCG
TAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAACTCTAA
GTG

+

FF
FFFFFFFFFFFFFFF::FF
FFF

@A00721:190:HGJW7DSXY:4:1241:13042:19758_2:N:0:TCTGCAAG+GCTGCACT
GAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACG
GTTTATCGTTTACGAAGTATCACTCCACCGTGAATGGTTAAGAATA

+

FF
FFFFFFFFFFFFF:FF,FFFF

@A00721:190:HGJW7DSXY:4:2670:14733:23813_1:N:0:TCTGCAAG+GCTGCACT
GACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATAC
AAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTT
ATC

+

FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2459:2121:10895_2:N:0:TCTGCAAG+GCTGCACT
GGCATTGATAATAATGACGAGACTTTCGTGATAATCGCTGCATATTACGATTACACGGTACCAGCG
CATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1102:31114:29418_2:N:0:TCTGCAAG+GCTGCACT
CTTCTTATAATAAATAAATAAATAATATTACTAATGTCAAATAGTGGAAGGCTCCAGTCAACACTAG
TTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGAT

+

FF
FFFFFFFFFFFFFFFFFFFFF::FFFFF,FFFFF:FFFFFFFFFFFFFFFFF:F:FF

@A00721:190:HGJW7DSXY:4:1108:7618:29966_1:N:0:TCTGCAAG+GCTGCACT
GACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACAATTGAAAACCTGA
ATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATAT
CCA

+
FFF,FFF,FFFFFFFF:FF:FF,FFFFFF:FFF,,FF:F:F,FFFFFFFF:FFF,FFF,FFFF,F
FFFF:FFFF:FFFF:FFF:,FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2448:9869:1391_1:N:0:TCTGCAAG+GCTGCACT
AGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATCTTTTGATACAACCTAG
CCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCT
ATG
+
FFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1302:22887:33426_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA
+
FFFFFFF:FF
FFFFFFF:FF
F:F
@A00721:190:HGJW7DSXY:4:2667:27606:4272_2:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACGTTGCAGATCGCCACT
CCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2578:27887:24893_2:N:0:TCTGCAAG+GCTGCACT
GGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTAC
TTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACT
+
FFFFFFF:F:FF
FF
@A00721:190:HGJW7DSXY:4:2525:16694:19977_2:N:0:TCTGCAAG+GCTGCACT
TTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGT
AGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTT
+
FF
FFFF,FF,FFF::FFF
@A00721:190:HGJW7DSXY:4:2525:11207:24064_2:N:0:TCTGCAAG+GCTGCACT
TCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATC
CTGCCTTTACTCATTTTATAGCAGAGATCGGAAGAGCGTCGTGTAGGG
+
FF
FFFFFF,FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:2135:25563:17644_1:N:0:TCTGCAAG+GCTGCACT
CGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAA
TGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACT
ACC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2424:15845:34976_2:N:0:TCTGCAAG+GCTGCACT
GGAAAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTT

+

@A00721:190:HGJW7DSXY:4:2322:1244:10848_2:N:0:TCTGCAAG+GCTGCACT
GTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTAT
GATATTTATTTTACTTATACTTTAAATAGCACCGATTATAAATTGACT

+

@A00721:190:HGJW7DSXY:4:1131:17879:19116_2:N:0:TCTGCAAG+GCTGCACT
TCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAG
AACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGAT

+

@A00721:190:HGJW7DSXY:4:1211:15510:17863_2:N:0:TCTGCAAG+GCTGCACT
ACTTCAAGTACCTGAACCTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCAC
TCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTG

+

@A00721:190:HGJW7DSXY:4:2122:18304:24580_1:N:0:TCTGCAAG+GCTGCACT
GTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGT
ATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGG
GGA

+

@A00721:190:HGJW7DSXY:4:2620:16315:5165_1:N:0:TCTGCAAG+GCTGCACT
ACGCCAGACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCA
GGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCG
GAC

+

@A00721:190:HGJW7DSXY:4:2345:18828:7138_2:N:0:TCTGCAAG+GCTGCACT
ACGGCAGTCCCGTCATCTCTGTGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCC
ATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGT

+

@A00721:190:HGJW7DSXY:4:2116:11921:35164_2:N:0:TCTGCAAG+GCTGCACT
GGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGA
CCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAA

+

@A00721:190:HGJW7DSXY:4:2574:13277:35916_2:N:0:TCTGCAAG+GCTGCACT
 CAAAAGTATAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGA
 AGGAAGATCTCCCAACATCTGGGGTTGGGAATAAGAAATCTGCAGATC

+

FFFFFFFFFFF:
FFFF:FFFFFFFFFFFFFFFFFFFF::FFFF,FFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2225:7256:4789_2:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGCCTTGGGTCAATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTTCGTGCCTACTATGAGCAAT
+
FFFFFFFFFFFFFFFFFFFF:FFF:,FFFFFFF,:::FFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
,,FFFFFFFFFFFFFFFFFFFF:::FFF,FFFFFFFFFFFF,,FF:FFFF,
@A00721:190:HGJW7DSXY:4:1624:26106:10191_1:N:0:TCTGCAAG+GCTGCACT
TCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGA
AAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGT
CAA
+
FF
FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2353:19479:21950_1:N:0:TCTGCAAG+GCTGCACT
TTTATCCGCGCTTAATACTATGGGGCGAAGATCCCCCTATTGAGTCTTGAAGGACTTAGGTTGGCATATTT
ATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGTAAGCTCGGGACTTACAAGAGAGAGTGT
GAG
+
FF:FFFFFFFFFFFF:FF
FFFFFFFFFFFF,F,FF
FFF
@A00721:190:HGJW7DSXY:4:2343:1407:11443_2:N:0:TCTGCAAG+GCTGCACT
TTCTGACTGATGAGGTTAAAACCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTTCACTGGTTC
TGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATT
+
FFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF:F:
FFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:2362:19886:26099_2:N:0:TCTGCAAG+GCTGCACT
TAGACGTTGTCACACTTTTCTTGAAAATTTTTCCTTTCCTCCGTCATTGGGGATTTCGATGTGAGAAG
GTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAAT
+
FF,FFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2672:23963:30812_2:N:0:TCTGCAAG+GCTGCACT
AGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTT
CAGAGAGGGGAGCTCTGAAAAGGAACTTCGTGAGAAGATGAGGAAGA
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF::::FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1477:27624:17487_1:N:0:TCTGCAAG+GCTGCACT
AGGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAA
GGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAG
ATA
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FF:F
FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1272:7925:29496_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTC
CGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGAGATCGGAA
+

FF
FF:FF
@A00721:190:HGJW7DSXY:4:2474:19361:23844_2:N:0:TCTGCAAG+GCTGCACT
GGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGA
GTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGG
+
FF
FF:FF
@A00721:190:HGJW7DSXY:4:2201:24361:25958_1:N:0:TCTGCAAG+GCTGCACT
CAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGAT
ATTGGAGGCGATATTCGTTTCATATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTCT
TGA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2414:12762:17080_1:N:0:TCTGCAAG+GCTGCACT
GCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTATGAAAGCTAT
CGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTG
CGA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1160:5819:6558_1:N:0:TCTGCAAG+GCTGCACT
GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGATTGATGTATGTCATTTCTGTTAGTTTGTCCC
GGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTTGACCTTGGTATCGTTATCCGTCATGG
AGA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2403:21612:36041_2:N:0:TCTGCAAG+GCTGCACT
TAACTCGTAATAAATCTTTCTCTAGTGACAATTGAGAATACCTATTTCCGTACCAAGAGCCACTGCC
AATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGAGATCGGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2558:29098:13808_1:N:0:TCTGCAAG+GCTGCACT
CTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTC
ATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGAGCGAT
CTT
+
FFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1126:26332:24267_2:N:0:TCTGCAAG+GCTGCACT
TAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTAACGTTAGTACCGGAGGTGATCTCTCTG
CTTCTGCGTTACTGAGAGAAAAGATTACAGGACGCCTACGGTGACTTTA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2226:1190:25347_2:N:0:TCTGCAAG+GCTGCACT
GAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGA

+

[illegible]

+

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF

+

FFF

+

FFF

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFF

+

FFFFFFFF:FF

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F
```

+

FFF

@A00721:190:HGJW7DSXY:4:2124:13648:10441_1:N:0:TCTGCAAG+GCTGCACT
GAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAAGAAAGTTTCATGAGGATGTCTTGGTCGAAA

AATATCGCCGGGAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCT
ACC

+

FF:FFFFFF,FFFF:FF:FFFFFFF
FF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1665:20708:18443_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAA
TTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1125:23854:8891_2:N:0:TCTGCAAG+GCTGCACT
TCAAAAGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGT
TGAAGAGAAAAGTATGATATGTTGCGGCTGATCGTACCCCAATTCCTGC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1405:18231:14340_1:N:0:TCTGCAAG+GCTGCACT
GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAG
TATTTATCGGAGTGATATTAACAAGTTAACTTCGAAGTACCACTTACAAGAGTGTTGAAGTACCGC
AAC

+

FFFFFFFFFF:FFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFF:,FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2150:10194:1391_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATACTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA

+

FF:FFF,FFFF,,FFFF:F,FFFFFFFFFFFFFFFF,F,F:FF,FF:FFFF,FF,,F:F,FFFFFFFFFF
F:,F,:FF,F::FFFFFF,,:FF,F::F,:FFF,,FFFFFF,,FFF,F

@A00721:190:HGJW7DSXY:4:2118:24478:34115_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC
TCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTC
AGT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1171:17318:18333_2:N:0:TCTGCAAG+GCTGCACT
CTGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTA
TCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGG

+

FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FF:FFF:FF:FFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2543:24306:4539_1:N:0:TCTGCAAG+GCTGCACT
TTAACGTCACGTAATCTTTCAGCAGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAAT
TAAGATCAAGGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGT
AT

+

FFFFF,FFFFF,:FF::F:FFFFFF,,:FFFF,F:FFFFFF:FFFFF::FF:FFF:FFFFFF:FFF,:F:
F:FFFF::FFFF::FF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFF,F,F:FFFFFFFF
FF

$+$

+

+

+

+

+

 $+$ $+$

+

©

+

9

+

④

+

6

+

©

+

©

+

©

@A00721:190:HGJW7DSXY:4:2326:16902:8155_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCTTGGATTTTAAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCG

TAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAACTCTAA
GTG

+

FF
FFFFFFFFFFFFFFFF:FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1369:24614:5916_2:N:0:TCTGCAAG+GCTGCACT
GAAATTGGA CTCTTCGATAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACG
GTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTAAGAATA

+

FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:
:FFFFFFFFFFFF:FFFFFFFFF:F:FFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2105:21160:16031_1:N:0:TCTGCAAG+GCTGCACT
ACTGATTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTTCTACGATACA
AATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTA
TC

+

FFF:FFFF:FFFFFFFFF,FFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF,FFFFF
FFFFFFFFFFFF:F:FFFF:FFFFFF:FFF:FFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1135:11369:12070_1:N:0:TCTGCAAG+GCTGCACT
GCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGC
ATCTCGTGTGCGAGCCTCGACCCGATTATATGGTATTA ACTTATAAAGGTGAGGAGACCATTTTCTTGC
TGA

+

FFF:FF,F
FF:FFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1175:32805:31062_2:N:0:TCTGCAAG+GCTGCACT
CTTCTTATAATAATAATAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAG
TTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGAT

+

FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFF:F:FFFFFFFFFFFF,F:FFFFFFFF:F:FFFFFFF,
FFFFF:FF:FF:FFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1321:19786:11772_1:N:0:TCTGCAAG+GCTGCACT
GACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGA
ATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATAT
CCA

+

FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFF:FFFFFF:FFFFFF::FF:FFFF:F
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2545:27868:8359_1:N:0:TCTGCAAG+GCTGCACT
AGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCTAG
CCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGATGCT
ATG

+

F:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1374:32398:12571_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAAATTATTTAGAGATCTTTT
CTA

+
FFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFF
F::FFF:FF: F:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2516:8657:21496_2:N:0:TCTGCAAG+GCTGCACT
AACCTTTAAGGACTATGTTGACTGACGAAGATTTTCACACAGATTTGTCTAAGTTGCAGATCGCCACT
CCAAACACTATATACAGTATAAAATATAAAAAATAAGGGAGTCATAACT
+
F,,FFFF,,F,FF,:F:F:F:F,FFF,F,F,FF,FF,FF,FFFF:FFF,:,,,FFF,F::,F:FFF
F,FFFFFFFF,FFFF:F,FFFF:FFFFF::FFFF:, ,FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2653:12002:9627_2:N:0:TCTGCAAG+GCTGCACT
GGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTAC
TTGATCTACGTCGTTTAACTGTGCGAACAACTTTACTTAGAATGACT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1311:25635:23907_1:N:0:TCTGCAAG+GCTGCACT
TTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTA
GAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACA
CGA
+
FFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2106:30237:33567_2:N:0:TCTGCAAG+GCTGCACT
CAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTT
TACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAA
+
FF: F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2303:16369:14497_1:N:0:TCTGCAAG+GCTGCACT
CGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAA
TGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACT
ACC
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2378:1868:34569_2:N:0:TCTGCAAG+GCTGCACT
TAATCAAATTTGACAAATTTAGAACTTTATTTGAACTCTCTCCGATCACCTTGGTGTGATCTCC
CGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAA
+
FFFFFFFFFFFFFFFF:FF:FFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2327:12870:27195_2:N:0:TCTGCAAG+GCTGCACT
GTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTAT
GATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACT
+
FF:FFFF:
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1147:30183:11835_2:N:0:TCTGCAAG+GCTGCACT
TCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAG
AACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGAT
+

[illegible]

@A00721:190:HGJW7DSXY:4:2560:31349:33833_1:N:0:TCTGCAAG+GCTGCACT
TTTATCCGCGCTTA ACTATGGGGCGAAGATCCCCTATTGAGTCTTGAAGGACTTAGGTTGGCATATTT
ATGCCGACGATAATAAGCATGTCAACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGT
GAG

@A00721:190:HGJW7DSXY:4:2615:27679:35336_2:N:0:TCTGCAAG+GCTGCACT
TTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATAGTCACTGGTTC
TGGGAGGCTGCTTTCCTCCATAATTACAACCTCTCTTTAGAGAGCATT

@A00721:190:HGJW7DSXY:4:2369:5294:1955_2:N:0:TCTGCAAG+GCTGCACT
TAGACGTTGTACACTTTTCTTGAAATTTTCTTTCCTCCGTCATTGGGGATTTGATGTGAGAAG
GTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAAT

@A00721:190:HGJW7DSXY:4:1317:12689:22028_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTC
AGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTTCTCCGAAATTAAGACGGGG
GGA

@A00721:190:HGJW7DSXY:4:2352:10230:10817_2:N:0:TCTGCAAG+GCTGCACT
GAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCTAAGGTGGATGAGGGAGGTTGTT
TCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCA

@A00721:190:HGJW7DSXY:4:1330:21477:21934_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGGTAACTTACCATAATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTC
CGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGTAT

@A00721:190:HGJW7DSXY:4:2577:1678:23437_2:N:0:TCTGCAAG+GCTGCACT
GGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGGGCCGTTTTGGCCGACTTTAACTATTCTAAGA
GTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGG

@A00721:190:HGJW7DSXY:4:2275:9579:25723_1:N:0:TCTGCAAG+GCTGCACT
CAGCCATATCGAGACTATGTTATAATCACTTGTTAAAGTACAGATTTAGTGATTTAGATATTATTGAT
ATTGGAGGCGATATTCGTTTTCATATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTCT
TGA

.....

@A00721:190:HGJW7DSXY:4:1105:7536:25191_1:N:0:TCTGCAAG+GCTGCACT
ATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCG
GAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCG
ATA

@A00721:190:HGJW7DSXY:4:2553:18484:25614_1:N:0:TCTGCAAG+GCTGCACT
GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGATTGATGTATGTCAATTCGTCCTTAGTTTGTCCC
GGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTTGACCTTGGTATCGTTATCCGTCATGG
AGA

@A00721:190:HGJW7DSXY:4:2508:22064:16939_2:N:0:TCTGCAAG+GCTGCACT
TAACTCGTAATAAATCTTTCTCTAGTGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCC
AATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGAGATCGGA

@A00721:190:HGJW7DSXY:4:2558:29713:14184_1:N:0:TCTGCAAG+GCTGCACT
CTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTC
ATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGAT
CTT

@A00721:190:HGJW7DSXY:4:1204:8458:21684_2:N:0:TCTGCAAG+GCTGCACT
TAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTCTG
CTTCTGCGTTACTGAGAGAAAAGATT CAGGACGCCTACGGTGACTTTA

@A00721:190:HGJW7DSXY:4:2509:22525:21277_2:N:0:TCTGCAAG+GCTGCACT
GAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGA
AGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAA

@A00721:190:HGJW7DSXY:4:1118:14687:10833_2:N:0:TCTGCAAG+GCTGCACT
TTCGAGGTTACGCTACGAGAGGTGATCCCGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTC
TTTTTGAATGTTGTAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGA

@A00721:190:HGJW7DSXY:4:2259:16532:36730_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGAGTCGTTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGC
CAC

[illegible]

+

@A00721:190:HGJW7DSXY:4:2405:13069:33270_2:N:0:TCTGCAAG+GCTGCACT
AAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAC
GATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAG

```
FFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:F
```

+

@A00721:190:HGJW7DSXY:4:2515:19849:18458_2:N:0:TCTGCAAG+GCTGCACT
CAGATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTG
AGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACG

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

 $+$

@A00721:190:HGJW7DSXY:4:2267:11894:20275_1:N:0:TCTGCAAG+GCTGCACT
GAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTCATGAGGATGTCTTGGTCGAAA
AATATCGCCGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCT
ACC

[illegible]

+

@A00721:190:HGJW7DSXY:4:1367:24334:19554_2:N:0:TCTGCAAG+GCTGCACT
TCAAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAAACAGAACAAAGCGAGCGGT

+

@A00721:190:HGJW7DSXY:4:1532:32145:4272_1:N:0:TCTGCAAG+GCTGCACT
GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAG
TATTTATCGGAGTGATATTAACAAGTTAAACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGC
AAC

+

@A00721:190:HGJW7DSXY:4:2304:10728:1658_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA

+

@A00721:190:HGJW7DSXY:4:2150:10194:1391_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGGCGGATTATACCATAGGTTACGGTGATTCCAATCAAATAGGATTCATCAATCGTTTTTTTC
TCCAAGTCGCAAACACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTC
AGT

+

@A00721:190:HGJW7DSXY:4:1230:11216:15593_2:N:0:TCTGCAAG+GCTGCACT
CTGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTA
TCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGG

+

@A00721:190:HGJW7DSXY:4:1426:4381:5603_2:N:0:TCTGCAAG+GCTGCACT
TCACTCGGTAATCTTTAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGAT
CAAGGCTAATACCTTTATAGGTAAGAAGCCCCCTTGAGCCGCGTAGTCA

+

@A00721:190:HGJW7DSXY:4:1119:22544:9032_1:N:0:TCTGCAAG+GCTGCACT
ATTTGTCATTTACCACTTTGCTCAACGACGAAGTGGAAACGGCCAACACTTTCTTTGGTAATTGTATG
ATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGA
CGA

+

@A00721:190:HGJW7DSXY:4:1643:15944:27759_1:N:0:TCTGCAAG+GCTGCACT
ATCTGTGCTTTGAATTGTATAAGATCAAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGG
AGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATC
CTG

+

[illegible]

@A00721:190:HGJW7DSXY:4:1506:9471:7623_2:N:0:TCTGCAAG+GCTGCACT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAG
CTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2508:31991:29966_1:N:0:TCTGCAAG+GCTGCACT
CCTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACATCAGTTGATTAAGACTCTT
CCGAAAGGCGAACTTTGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCGTGACGAACTGTGG
TGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2501:3378:3677_2:N:0:TCTGCAAG+GCTGCACT
TTTTAGTGAGATTATTAACGCACTAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATA
GCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGA

+

FFFFFFFFFFFF:FF
FF
FFFFF:FFF

@A00721:190:HGJW7DSXY:4:1254:32515:20572_1:N:0:TCTGCAAG+GCTGCACT
TCGCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGT
TTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGG
AGG

+

:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1450:31078:34303_1:N:0:TCTGCAAG+GCTGCACT
TTAAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCCTACTTTTGG
ACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTG
AGA

+

:FFF:FF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1560:12192:35853_2:N:0:TCTGCAAG+GCTGCACT
ATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTATGAAACT
ACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCT

+

FFF
F:FFFFFF,FF

@A00721:190:HGJW7DSXY:4:1515:10601:26115_1:N:0:TCTGCAAG+GCTGCACT
AGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTC
TTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGT
TGA

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2668:17852:17127_2:N:0:TCTGCAAG+GCTGCACT
AGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAACTTTCAGTTTCACAACCTGAAGGAGG
AGGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATAATATAC

+

FF
FF
@A00721:190:HGJW7DSXY:4:2606:15465:21449_2:N:0:TCTGCAAG+GCTGCACT
TGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT

+
FF
FFFFF:FF
@A00721:190:HGJW7DSXY:4:1610:30798:9017_1:N:0:TCTGCAAG+GCTGCACT
GATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAAC
ATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAA
GGC

+
FFFFFFFFFFFFF:FFF::FFFFFFFFFF:FF,FFFFFFFFF:FFFFFFFFF:FFF:FFFFFFFF:FFF:FFFF
:FFF::FFFFFFFFF,:F:FF,FFFFFFFF:FFFFFFFFFFFF,FF:, ,FF,FFF:F,FFFFFFFFFFFF:F:
FFF
@A00721:190:HGJW7DSXY:4:2472:10610:35462_1:N:0:TCTGCAAG+GCTGCACT
AAGACTGTGATTTATCTTTCACTCTGGCCTTGATGAGGGTGTCTTAATCGTAACATTAATAATTTCT
AATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGC
CAA

+
FFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2337:2871:24095_2:N:0:TCTGCAAG+GCTGCACT
ATATTTACAAAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCTCTCCT
TTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTG

+
FF
FF
@A00721:190:HGJW7DSXY:4:2475:19397:30671_1:N:0:TCTGCAAG+GCTGCACT
GTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTG
ATGCTGACTTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGG
CCT

+
FF
FFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2515:10357:1485_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCTTGGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCG
TAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAACTCTAA
GTG

+
FFFFFFF:FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1447:15293:32393_2:N:0:TCTGCAAG+GCTGCACT
GAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACG
GTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTAAGAATA

+
FF
FFFFFFFFFFFFFFFFFFFF:FF:
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2366:22788:23296_1:N:0:TCTGCAAG+GCTGCACT
ACTGATTATCTAAAGATTTAATGTAAAGTTTATCATCGATTTACTTACTTAGTCTTTCTACGATAGA

ATTGATAACTTCTTATTTACGTTTGCTTCTCTGTGCTGGTCCTCTCAGCAAAGGTATGCATGGTGTTA
TC

+

F,F:FFFF,FF,,,:FFF,F,,F,,FF,FFFFFF,:,,,F,F,,F:,FFF,,FFFFFF:,,,F:,,,
,,:FF:,FF,,,F,FF:F:,,,FFF,FF,FF,,F,,,FFFF,,FFF,F,,FFFFFF,FFF,,F:,:F:FF
F,

@A00721:190:HGJW7DSXY:4:1427:20663:29637_1:N:0:TCTGCAAG+GCTGCACT
GCATTTGATAATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGC
ATCTCGTGTGCGAGCCTCGACCCTATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGC
TGA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1367:25979:31516_2:N:0:TCTGCAAG+GCTGCACT
CTTCTTATAATAATAATAATAATAATATTACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACACTAG
TTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGAT

+

FF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2245:19452:3082_1:N:0:TCTGCAAG+GCTGCACT
GACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAATGAAGGACACTTCGAACTGA
ATAATGATGCACTACGAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATAT
CCA

+

FF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,F,FFFF:FFFFFF:FFFFFF:FFF:FFF:FF:FFFFFFFF
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2564:18195:14998_1:N:0:TCTGCAAG+GCTGCACT
AGGATATTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAG
CCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTGCAACCCGTTGATGCT
ATG

+

FFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1423:15582:35931_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTT
CTA

+

FFFFFFF,FF:F:FFFFFFFFFFFFFFFFFFFFF::FF,FFFFFF:F:FFFFFFFFFFFFFFFFFFFFF:FFFFFF
::FFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:1263:7102:8625_1:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACT
CCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTACCAAATTCTTGGC
TTT

+

FFF
F:FFF
FFF

@A00721:190:HGJW7DSXY:4:1540:4996:25394_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTAACT

GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF::FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFF,FFFFF
FF:FFFF:FFFFF:,FF,FFFFFF,FFFFFFFF:,FF:FFFFFF

@A00721:190:HGJW7DSXY:4:1346:15537:32377_1:N:0:TCTGCAAG+GCTGCACT
TTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAACCACTCTTCGTTACGAGACCTGATGGTA
GAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACA
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2242:20048:27853_2:N:0:TCTGCAAG+GCTGCACT
CAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTT
TACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2344:31928:32863_1:N:0:TCTGCAAG+GCTGCACT
CGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAA
TGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACT
ACC

+

:FF,FFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2471:16839:8077_2:N:0:TCTGCAAG+GCTGCACT
TAATCAAATTTGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCC
CGGAGGATCTTTCAATAAGATGTATGATGATAATCTACTATTTTTAA

+

FF
FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2510:16631:22122_2:N:0:TCTGCAAG+GCTGCACT
GTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTAT
GATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACT

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1212:12491:12915_2:N:0:TCTGCAAG+GCTGCACT
TCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAG
AACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGAT

+

FFFFF:FFFFF:,F::F:FFFFFFFF:FFFFFFFFFFFFFFFF:FF,FFF::FF:F:, :FFFFFFFF
FFF:FFFFFFFF,FFF:FFFFFFFF:FF::FFFFFFFF:

@A00721:190:HGJW7DSXY:4:1536:31485:35947_2:N:0:TCTGCAAG+GCTGCACT
ACTTCAAGTACCTGAACCTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCAC
TCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTG

+

FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFF
FF

@A00721:190:HGJW7DSXY:4:2278:29740:36432_1:N:0:TCTGCAAG+GCTGCACT
GTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGT
ATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGG
GGA

+
FFFFF:FF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1323:21685:2127_1:N:0:TCTGCAAG+GCTGCACT
TGCTCTTCCGATCTGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTTCAG
GGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCG
GAC
+
FFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2628:12726:31015_2:N:0:TCTGCAAG+GCTGCACT
ACGGCAGTCCCGTCATCTCTGTGGGAACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCC
ATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2475:17526:29590_2:N:0:TCTGCAAG+GCTGCACT
GGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGCAAGAACAACCTCCCAAGCCAATCAATAGTTCTTCTGA
CCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAA
+
FF
FFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2222:32344:18677_1:N:0:TCTGCAAG+GCTGCACT
AAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAA
GGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGA
AGT
+
FFFFFFFFF:FF:FFFFFF:FFFFF::FFFFFFFFFFFF,FFFFFF:,::FFF,:FFF,FFFFFF:FFFF
FFFFFFFF:FFFFFFFFFF:FFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:2274:28754:30185_1:N:0:TCTGCAAG+GCTGCACT
TCTTGCAGAGTGAAGTTCAGACGTGTGCTCTTCCGATCTCTTTGAGACCAAGACTCTCTACAGT
AGGTTCTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGG
CTA
+
FFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2436:4137:10755_2:N:0:TCTGCAAG+GCTGCACT
CGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTT
TGGAGATTTTATCCGCGCTTAACCTATGGGGCGAAGATCCCCTATGGA
+
FF
FFFFFFFFFFFFFF:FF:FFFFF
@A00721:190:HGJW7DSXY:4:1329:28248:7733_2:N:0:TCTGCAAG+GCTGCACT
TATTTATGCCGACGATAATAAGCATGTCAACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAG
AGTGTGAGAGAGTGCCTCTCACTATTTTTGCCAGAATGCGGGCCTTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2602:30110:35321_1:N:0:TCTGCAAG+GCTGCACT
GAGAGCATTAGAAGGAAGTTGGGCAAATTCACACATATGGTAGACGTTGTCACACTTTTCTTGAAAAT

TTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATG
CTG

+

F:FFF,,,:FF,F,,FFFF::,FF::,FFF:F,,F:FFFF,F:FFFFFF,F::FFFFFFFF,:F,FF
FFFFF,FFFFFFFFF:::FFFFFFFFF:,FFF:FF,FFFFFF:FFFF:F:,F:FF:FF,FFFF
FFF

@A00721:190:HGJW7DSXY:4:2552:9218:27915_2:N:0:TCTGCAAG+GCTGCACT
ATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGAT
TAAGAGTCCAGCTGTAACGTGTCATTTAGAGAGGGGAGCTCTGAAAAG

+

FF
FF:FF

@A00721:190:HGJW7DSXY:4:1514:5647:18129_1:N:0:TCTGCAAG+GCTGCACT
AGGAAGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAA
GGATTATTTGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAG
ATA

+

:FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1335:6271:8093_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGGTAACCTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTC
CGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGAGATCGGAA

+

FFFFF:FFF:FF
F:FFFFFFFFFFFFFF:F:FFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2651:11912:32080_2:N:0:TCTGCAAG+GCTGCACT
GGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTGGCCGACTTTAACTATTCTAAGA
GCCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGG

+

F:FF,FFFF:FFF:FFF:FFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFF,FFFFF:F,FF,,FFF,F
FFFFFFFFF:FFFFFFFFFFFF:F,FFFFFFFF:FFF,FFFF,FFF:F

@A00721:190:HGJW7DSXY:4:2417:5710:30639_1:N:0:TCTGCAAG+GCTGCACT
GAGGCGATATTCGTTTTTCATATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGAT
GTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1309:29360:32111_2:N:0:TCTGCAAG+GCTGCACT
TACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTC
TCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2544:25961:34835_2:N:0:TCTGCAAG+GCTGCACT
TAACTCGTAATAAATCTTTCTCTAGTGGACAATTCAGAATACCTATTTCCGTACCAAGAGCCACTGCC
AATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGAGATCGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2620:25301:14591_1:N:0:TCTGCAAG+GCTGCACT
CTTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTC

ATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGAT
CTT

+

FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2115:9643:21699_2:N:0:TCTGCAAG+GCTGCACT
TAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTAACGTTAGTACCGGAGGTGATCTCTCTG
CTTCTGCGTTACTGAGAGAAAAGATTACAGGACGCCTACGGTGACTTTA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:2645:3052:13322_2:N:0:TCTGCAAG+GCTGCACT
GAAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGA
AGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAA

+

FF,FFFFF::FFFFF,FFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1145:12644:19038_2:N:0:TCTGCAAG+GCTGCACT
TTCGAGGTTACAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTC
TTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGA

+

FF
FFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2339:31846:4507_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGC
CAC

+

::,FFF:F:FFFFFFFFF:FFFFFF:F,F,:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFF::FF
FFF

@A00721:190:HGJW7DSXY:4:2502:29125:4053_1:N:0:TCTGCAAG+GCTGCACT
TTCTTAAAATAAGTTTATTAACCTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATA
GCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATC
TGG

+

FFF:FFFF,,:FFFFFFFFFFFFFFFF:F:,FFFFFFFFFFFF,FF:FF,F,F,FFFF,FF,FFF::
FF:FFFF:FFFF,FF,:FF:FF::F,:F,FFFF,FFF:, ,FFFFFFFF:F,F:FFFF:F:, :F,F,FF
FF,

@A00721:190:HGJW7DSXY:4:2671:25283:8453_2:N:0:TCTGCAAG+GCTGCACT
AAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAAC
GATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2112:27896:7185_2:N:0:TCTGCAAG+GCTGCACT
TCTTTTATCATTGCAACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATG
TGTCACGCTACACTCGAAATATGGGCCCTCATAAGAGATCGGAAGAGC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF
,FFFF,FFF:FFF:FFFFF,:F,FFFFFFFF,F,FF::FFF:F:F

@A00721:190:HGJW7DSXY:4:1534:17047:24251_1:N:0:TCTGCAAG+GCTGCACT
GATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGAG

GTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGT
GGG

+

FFF,FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1204:26078:3912_1:N:0:TCTGCAAG+GCTGCACT
ATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTGATGATGTTTCGGGC
TGTGGGGATTAACTTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAA
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1526:6406:13964_2:N:0:TCTGCAAG+GCTGCACT
ACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTCTGAGGATGTCTTGGTGGGAAATATCGCCG
GGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGA

+

FFFFFFFFF:FFFFFFFFF:FFFF:FFF:FFFF:F,
FFFF:FFFFFFFFF:FFFFFFFFF,FFFFFFFFFFFF,FFFF:FFFF

@A00721:190:HGJW7DSXY:4:1221:14543:8829_1:N:0:TCTGCAAG+GCTGCACT
CGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAAGACGACCTTCTTGTGGGGACTGAGACCT
CTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGT
GTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2212:22010:5415_1:N:0:TCTGCAAG+GCTGCACT
GAGTTACGTAGTGGTGGTCTTTTGGTGAATTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAG
TATTTATCGGAGTGATATTAACAAGTTAACTTCAACTGACCACTTACAAGAGTGTTGAAGTACCGC
AAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2319:30355:3583_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA

+

FF
FF:F

@A00721:190:HGJW7DSXY:4:2167:14470:32534_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC
TCCAAGTCGCAAACCTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTC
AGT

+

FF
FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1459:11496:28479_2:N:0:TCTGCAAG+GCTGCACT
CTGTCACGTTTAGCACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTA
TCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGG

+

FFFFFFFFFFFFFFFFFFFF,FF:FF:FFFFFFF
:FFFFFF,FFFFFFFFFFFFFF:FFFFF,:FFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2464:27588:22216_2:N:0:TCTGCAAG+GCTGCACT
TCACTCGGTAATCTTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTTCGATCGAATTAAGAT
CAAGGCTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCA

+
FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FFFFF,FFF,
@A00721:190:HGJW7DSXY:4:1161:12599:19742_1:N:0:TCTGCAAG+GCTGCACT
ATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAACACTTTATTTTGTAAATGTATG
ATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTGGTTGTTCGCTGGGGA
CGA

+
FFFFFFF:FFF:FF:FFFFF,F:F,FF:FFF::FF,F:FFFFF,:F:FFF:,FF,,FF,:FFFFFFF
FF:F,FFFFFF:FFFFFFFFF,:FFF:FFFFF,,,FF:FF:FFFFFFF:F,FFFFFFFFF,FFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:2257:13819:32753_1:N:0:TCTGCAAG+GCTGCACT
ATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGG
AGTTCTTGAAGCATCCCGACCTTTCCTTGTAAGAAATTTTGATGCGGTTTCATAAGATTATCAGTAATC
CTG

+
FF:FFFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1508:20518:22968_2:N:0:TCTGCAAG+GCTGCACT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAG
CTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTG

+
FF:FFFFFFFFF
FFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:2330:29731:28275_1:N:0:TCTGCAAG+GCTGCACT
CTCATCAGCTTGTGTTTTACCTAATCTGTGTTTTTACGATAACAACACTATCAGTTGATTAAGACTCTTC
CGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGCTGAAGCACAACGTTTGACCGTGACGAAGTGTGGT
GT

+
FFFFFFF:::FF:FFFFF,FF:FFF
FFFFFFFFF:F:FFFFFFFFFFFFFFFFF,FFFFFFF::FFFFFFFFF::FFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2633:27868:22388_2:N:0:TCTGCAAG+GCTGCACT
TTTTAGTGAGATTATTAACAAACGCACTAAACGCTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATA
GCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGA

+
FFFFFFFFF,FF:FFFFFFF:FF:FFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFFF:FFFFFFFFF:FFFFFFF:FFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1265:19425:3505_1:N:0:TCTGCAAG+GCTGCACT
TCGCCTCTTGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGT
TTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGG
AGG

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFFFFFFFFFFFF,FFF
FFF
@A00721:190:HGJW7DSXY:4:2211:5719:8578_1:N:0:TCTGCAAG+GCTGCACT
TTAAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCCTACTTTTGG

ACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTG
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1622:10303:30577_2:N:0:TCTGCAAG+GCTGCACT
ATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAAC
ACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCT

+

FFFFFFFFFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:1527:22200:4366_1:N:0:TCTGCAAG+GCTGCACT
AGGGTTCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTC
TTACGTTACGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGT
TGA

+

FF:FFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1107:11351:16235_2:N:0:TCTGCAAG+GCTGCACT
GCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTCACAACTGAAGGAGGA
GTTTTCTGTACTGGAAAACCCTCGTCAATACTTTTCAATAATATACG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2671:21658:31078_2:N:0:TCTGCAAG+GCTGCACT
TGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTACCCTGATTCCGGCCGGTGGTAGCTCA
TTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2169:23005:22263_1:N:0:TCTGCAAG+GCTGCACT
GATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGACTCTTCGTCGATTGTATCAACAGTAAC
ATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAA
GGC

+

FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2676:16016:14418_1:N:0:TCTGCAAG+GCTGCACT
AAGACTGTGATTTATCTTTCCTCTGGCCTTGTATGAGGGTGTCTTAATCGTAACATTAATAATTTTC
AATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTACGGTGCATGGGGTTGGATAGC
CAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2362:1796:22200_2:N:0:TCTGCAAG+GCTGCACT
ATATTTACAAAATCTTACCCTATCTACGAACCTAATGTTCTGAAGACGTTGCTTGTGCGCTCCTCCT
GTAATGGCACTACCTCGGTACAAGCTGACTTGGTCCGAGGGCGGCGTG

+

FF:,FFFF,,:FFFFFFFF::FFFF,FF:FFFF,,F:::FF:FF,:FFFF,:F:F:F:,FF:F:,F
,,, :FFFF,F,F:F,:F,:::,,, :F,,FFF,: :F,F,:F,: :F

@A00721:190:HGJW7DSXY:4:2475:19416:30514_1:N:0:TCTGCAAG+GCTGCACT
GTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTG
ATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTCCGCTTAGTGCGAGG
CCT

+

FFFFFF:FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2628:9326:31923_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCTTGGATTTTAAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCG
TAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAACTCTAA
GTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1670:28140:35289_2:N:0:TCTGCAAG+GCTGCACT
GAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACG
GTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAGAATA

+

FFFFFFFFFFFFFF:FFFF:FF
FF:FFFF

@A00721:190:HGJW7DSXY:4:2523:25003:7435_2:N:0:TCTGCAAG+GCTGCACT
ACTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATG
ATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAA

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFF,FFF:FFFFF:FFFFFFFFFFFF
FFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFF,FFFFFF

@A00721:190:HGJW7DSXY:4:2516:9932:30373_2:N:0:TCTGCAAG+GCTGCACT
AGTCCCGGCATTTGATAAATAATGACGAGACTTTCGTGATAATCGCTGCATATTACGGATTACACGGTA
CCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTATTAATT

+

:F:F,:FFFFFFFFFFFFFFFFFFFF:FFFFF,FF,FFFFFFFFFFFF,FFFF:FF,FF,FFFFFFFF, :FF,FF,
,FFF:FFF,FF,FFF:F:FFFFFFFFFFFFFFFFFFFF,FF,:,,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1375:26386:27179_2:N:0:TCTGCAAG+GCTGCACT
CTTCTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAG
TTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGAT

+

FF::
FFFFFFFFFF:FF:FFFF:FFF

@A00721:190:HGJW7DSXY:4:2409:4155:2863_1:N:0:TCTGCAAG+GCTGCACT
GACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGA
ATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATAT
CCA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFF,FFFFF:F
FFFFFFFFFFFFFFFFFFFF,FFF:FFFFFF:FFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1252:11379:5541_2:N:0:TCTGCAAG+GCTGCACT
TTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCTAGCCTTCA
AGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTTCG

+

FF:FFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2508:18123:19570_1:N:0:TCTGCAAG+GCTGCACT
TTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTAC
TTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGA
TT

+
FF
FF
FF

@A00721:190:HGJW7DSXY:4:1121:4481:30264_1:N:0:TCTGCAAG+GCTGCACT
GGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAA
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTT
ACA

+
FFF,FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFF,:FFFFFF:FFFF,FFFF:FFFFFFFF:FF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1113:27805:23531_2:N:0:TCTGCAAG+GCTGCACT
CAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTCTTAATATTCTAGTAACCGCTATGTGGCA
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTA

+
F:FF
:FFFFFF:FF

@A00721:190:HGJW7DSXY:4:2349:25681:36166_1:N:0:TCTGCAAG+GCTGCACT
GTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGT
ATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGG
GGA

+
FFFFFFFFFFFF,FFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2338:1099:33959_1:N:0:TCTGCAAG+GCTGCACT
TGCTCTTCCGATCTGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACG
GGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCG
GAC

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2661:5954:27085_2:N:0:TCTGCAAG+GCTGCACT
ACGGCAGTCCCGTCATCTCTGTGGAACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCC
ATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGT

+
FFFF:FFFFFF:,FFF,F:F,,::F,FFFF:F,FFFFFFFF:F,FFFFFFFFFFFF::FFFFFF
FF:F:FF,FF:FFFF:FFF:FFFFFFFF,FFFF,FFFFFFFFF:,

@A00721:190:HGJW7DSXY:4:2644:15980:15671_2:N:0:TCTGCAAG+GCTGCACT
GGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGA
CCAGAATGAAAAGGGGTTACCAGGGTAGTCTCTAAGTCTACCAGGAA

+
FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2307:15727:15389_1:N:0:TCTGCAAG+GCTGCACT
AAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAA
GGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGA
AGT

+
FFFFFFFF:FFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1316:24261:8688_1:N:0:TCTGCAAG+GCTGCACT
TGCAGAGTGACTGGAGTTCAGACGTGTTCTCTTCCGATCTCTTTGAGACCAAGACTCTCTACAGTAGG
TTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTA
+
F:FFF:FF::FFF,F:FF:F,,,F,FF,FF:FFFF:FFF::FFFF:FFFF:FFF:FFFF:,,F,FF
FF:FFF::FFFF:FF::FFF::FFFF::,,FF,F,F,F:,F::F:FF:F:FF:,FFFFF::,F,
@A00721:190:HGJW7DSXY:4:2455:7473:32252_2:N:0:TCTGCAAG+GCTGCACT
CGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTT
TGGAGGATTTTATCCGCGCTTAACCTATGGGGCGAAGATCCCCTATGGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1361:8296:32017_2:N:0:TCTGCAAG+GCTGCACT
TATTTATGCCGACGATAATAAGCATGTCAACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAG
AGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGCCTTC
+
FFFFFFF:FF
FF:F:
@A00721:190:HGJW7DSXY:4:1469:29451:11193_2:N:0:TCTGCAAG+GCTGCACT
TTAGAAGGAAGTTGGGCAAATTCCCACATATGGTAGACGTTGTCACTTTTCTTGAAAATTTTCTCT
TTCCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FF,FFFFFFFFFFFFFFFFFFFF:FF:F:FFFFFFFFFFFF,FFFF:F
FFF:F:FFFF::FF:FFFFFF,FFFFFFFFFFFFFFFFFFFF,FFFF:FFFF
@A00721:190:HGJW7DSXY:4:1135:29695:26866_1:N:0:TCTGCAAG+GCTGCACT
TGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATT
AAGAGTCCAGCTGTAACCTGTCATTTTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAG
GAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1523:17011:22404_1:N:0:TCTGCAAG+GCTGCACT
AGGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAA
GGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATG
ATA
+
FF
FFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1336:28113:27477_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATATAACTTTGACTCAACTACTC
CGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT
+
F:F,FFF,F:FFF:FFF,F,FFF:FFFF,,F:FF:,FF:,FFFF:,FFFF:,FFFFFFFFFFF,
FFF,FF,:F:F:FF,,FFFFF:,F:,F,FFFF:F:FFF,,FF:F:
@A00721:190:HGJW7DSXY:4:1123:9073:10347_2:N:0:TCTGCAAG+GCTGCACT
ATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTAT
GATTCAAAACAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTGTAGTGC
+

FF
FFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFF:FFF
@A00721:190:HGJW7DSXY:4:2468:16703:5713_1:N:0:TCTGCAAG+GCTGCACT
GAGGCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGAT
GTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT
GAA
+
FFFFFFFFFFFFFFFFFFFFFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1413:16197:18364_2:N:0:TCTGCAAG+GCTGCACT
TACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTC
TCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FFFFFFFF
FFFFF:FFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2616:13006:13213_2:N:0:TCTGCAAG+GCTGCACT
AAGAGCCACTGCCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTTCCTCAATA
AAAATTTTTCTCAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1235:11252:3944_1:N:0:TCTGCAAG+GCTGCACT
ACGAGATCTTGACAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCAACAGTGCGAGGATTGTC
ATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGAGCGAT
CTT
+
:::FFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFF:FFF
FFFFFFFF,FFFFFFFFFFFF:F,FF
FFF
@A00721:190:HGJW7DSXY:4:2234:16459:1251_2:N:0:TCTGCAAG+GCTGCACT
TAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTAACGTTAGTACCGGAGGTGATCTCTCTG
CTTCTGCGTTACTGAGAGAAAAGATTACAGGACGCCTACGGTGACTTTA
+
FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1158:21061:33583_2:N:0:TCTGCAAG+GCTGCACT
AAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAA
GAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAG
+
FF:FF:FFFF:FFFF
FF
@A00721:190:HGJW7DSXY:4:1160:6894:2033_2:N:0:TCTGCAAG+GCTGCACT
TTCGAGGTTACAGTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTC
TTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGA
+
FF:FFFFFFFFFFFF
FFFFF,FFFFFFFFFFFF:FFFFFF:F:FFFF:FFFFFFFFFFFF::F:FF
@A00721:190:HGJW7DSXY:4:2375:8106:7795_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGAGTCGTTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGC
CAC
+
FFF,, ,FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

FFFFFFFFF::FFFFFFFFF:FFFF,FFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FF
,FF

@A00721:190:HGJW7DSXY:4:2349:9453:17362_1:N:0:TCTGCAAG+GCTGCACT
GAGTTACGTAGTGGTCGTTCTTTTGGTGATTTTATCAAAGAGAAAGTTTCTGCTAGTCGCGACGATAG
TATTTATCGGAGTGATATTAACAAGTTAACTTCGAACTGACCACTTACAAGAGTGTTGAAGTACCGC
AAC

+

FFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2471:1994:15436_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2207:10719:15671_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC
TCCAAGTCGCAAACACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTC
AGT

+

FFFFFFFFFFF,FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2339:28501:13683_2:N:0:TCTGCAAG+GCTGCACT
CTGTCACGTTTAGCACGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTA
TCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGG

+

FF:FFFFFFFFFFFFFFF
FF:FF

@A00721:190:HGJW7DSXY:4:1333:32642:14184_2:N:0:TCTGCAAG+GCTGCACT
CTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGTTGTCGATCGAATTAAGATCAA
GGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCG

+

FFFFFFFFFFFFFFF,FFFF,:FFFFFFFFFFFFFF:FFFF,FFFFFF,,F:FF,F:FFFF::FFFFF
FFFFF:FFFFFFFFF:FFFFFFFFF:FF:,FFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1223:11586:12665_1:N:0:TCTGCAAG+GCTGCACT
ATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGAACGGCCAACACTTTCTTTGGTAATTGTATG
ATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGA
CGA

+

FFFFFFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2349:26594:35994_1:N:0:TCTGCAAG+GCTGCACT
ATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGG
AGTTCTTGAAGCATCCCGACCTTTCCTTGTAAGAAATTTGATGCGGTTTCATAAGATTATCAGTAATC
CTG

+

FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1534:7744:36104_2:N:0:TCTGCAAG+GCTGCACT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAG

@A00721:190:HGJW7DSXY:4:1260:27796:26929_2:N:0:TCTGCAAG+GCTGCACT
GAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGCCGGTGGTAGCTCAT
TTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTG

+

FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFF:FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2169:24189:24565_1:N:0:TCTGCAAG+GCTGCACT
GATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAAC
ATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAA
GGC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1268:6234:29919_1:N:0:TCTGCAAG+GCTGCACT
TTATCTTTCACTCTGGCCTTGTATGAGGGTGTCTCTAATCGTAACATTAATAATTTCAATCTTCTTAA
AAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAG
TGG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2403:26494:12148_2:N:0:TCTGCAAG+GCTGCACT
ATATTTACAAAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCT
TTAATGGCACTACCTCGGTACAATCTTACTTGAACGAAGGCGACCTG

+

FF
FF:FFFFFF

@A00721:190:HGJW7DSXY:4:1219:14498:24439_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTG
ATGCTGACTTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGG
CCT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1158:26042:31156_2:N:0:TCTGCAAG+GCTGCACT
CCTTGGAATTTAATATAAAGAATCTTTACCAGGACTCTACTACAGGAGGCAGTCTTCTGATCGTAAG
AAGTTTATAAGGAACATATCCATTTGTTGTAATAGTGTCACTCACTTA

+

FFFFFFFFFFFFFFFFFFFFFFFF,FFF,:FFF::,:FF:FF:FFFF:FF:F:FFFF:FFFF:FF,FFF:F
FF::F,FFFFFFFF:FFFFFF,FFFFFFFFFFF:,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2303:30436:31876_2:N:0:TCTGCAAG+GCTGCACT
AAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACA
TTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGTTTAT

+

FF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2621:1850:12712_2:N:0:TCTGCAAG+GCTGCACT
ACTATCTAAAGATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATG
ATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAA

+

FFFFFFFFFFFFF::FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFF::
FFFFFFFF:FFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2540:18096:16016_2:N:0:TCTGCAAG+GCTGCACT
AGTCCCGGCATTTGATAATAATGACGAGACTTTCGTGATAATCGCTGCATATTACGGATTACACGGTA
CCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCT

+

FFFFFFFFFFFF:FFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFF,FFFFFFFF,FF::,FFFFFFFF,FFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF::FFFF::FF:FFFF,,,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1553:29378:6997_2:N:0:TCTGCAAG+GCTGCACT
CTTCTTATAATAATAATAATAATAATATTACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACACTAG
TTCGAGTGTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGAT

+

FF
FF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2420:20247:11412_1:N:0:TCTGCAAG+GCTGCACT
GACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGA
ATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATAT
CCA

+

:FF,FFFFFFFF:FFFF:F,FFFFFFFF,FFFFFFFFFFFF:FFF:F:FFF:FFFF:FFFF:FF
:FFFFF::FF:FFFFFFFF:FFFF,FF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1306:15311:8563_2:N:0:TCTGCAAG+GCTGCACT
TTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCTAGCCTTCA
AGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTTCG

+

FF
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2276:30544:4257_2:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCA
AGGAGTCCAATCAAAGGTTTGAATTTAGCTCAACTGGGAGACGTGC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1346:5141:29496_1:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACGTTGCAGATCGCCACT
CCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTACCAAATTCTTGGC
TTT

+

:FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1607:17282:29512_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACT
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT

+

FFFFFFFFFFFFFF:FF:FFFFF
FF,,

@A00721:190:HGJW7DSXY:4:2451:18466:24142_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTGATTAATAAAGGATGAGTACGAAAACCACTCTTCGTTACGAGACCTGATGGTAG
AATAGATTTAGTCTCTACCCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACAC
GAA

+

FFFFFFFF:FFFF::FFFFFFFF:FFFFFFFF:,FFF::FFF::FF,FFF:FFFF:F:FFFF,FFFF
FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2309:10257:28995_1:N:0:TCTGCAAG+GCTGCACT
ACGACTCGAAACCGAGACGCCGTA
+
FFFFFFF:FFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1270:3260:8516_1:N:0:TCTGCAAG+GCTGCACT
TTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTT
CTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTA
TGT
+
FFFFFFFF:FF:FFFF:FF:FFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFF::FF
FFF
@A00721:190:HGJW7DSXY:4:2536:31087:3944_1:N:0:TCTGCAAG+GCTGCACT
CGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAA
TGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACT
ACC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF: :F,FFFFFF,FFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1106:30960:16250_2:N:0:TCTGCAAG+GCTGCACT
ATTTGACAAATTTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGA
TCTTTTCAATAAGATGTATGATGATAATCTACTATTTTAAATAGTGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1123:26069:29168_1:N:0:TCTGCAAG+GCTGCACT
TTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTAC
TTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGA
TTA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
F:FF:FFFFFFFF,FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1171:28320:2472_1:N:0:TCTGCAAG+GCTGCACT
GGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAA
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACTTT
ACA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFF
FF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1160:21893:14982_2:N:0:TCTGCAAG+GCTGCACT
CAAATAGAACCTTCACTCTCGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCA
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTA
+
FFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2560:17960:7263_1:N:0:TCTGCAAG+GCTGCACT
GGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAA
TTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC
TGC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF

FFFFFFFFFFFFFFFFFFFFFFFF: , FF
FFF

@A00721:190:HGJW7DSXY:4:2338:2257:35556_1:N:0:TCTGCAAG+GCTGCACT
TGCTCTTCCGATCTGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACG
GGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCG
GAC

+
: FFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFF, FFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2575:20817:8923_2:N:0:TCTGCAAG+GCTGCACT
GCAGTCCCGTCATCTCTGTGGGAAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATG
CCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAA

+
FFF
FF

@A00721:190:HGJW7DSXY:4:2306:32470:20024_1:N:0:TCTGCAAG+GCTGCACT
GAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGAC
CAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAC
TGA

+
FF, FFFFFFFFF: FFFFFFFFF: FFFFFFFFFFFFFFFFFF: FFFF, FFFF, : FFFFFFFFFFFFF
F: : FFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1203:26820:26052_2:N:0:TCTGCAAG+GCTGCACT
ACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGG
CGGCTTGGGTCATTAAGGAGATCGGAAGAGCGTCGTGTAGGGAAAGAG

+
FFFFF: FF
FFFF, FFFFFFFFF: FFFFFFFFFFFFFFFFFF: FF, FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1322:16559:35556_1:N:0:TCTGCAAG+GCTGCACT
GTGCTCTTCCGATCTCCTACTATGAGCAAATCTGTTGAATTCGTCCTGAGGACGAAGGTGAGAGGAC
TTTTCGCTACTGGCGACAAACTGAGAGCACTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGAC
GCT

+
FFFFFFFFFFFFF: FFFF: FF: : FFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2507:24560:2472_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAA
GGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCG
GGA

+
FFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFF, FFF, FFF, , FFFFFFFF: F: FFF
FFF

@A00721:190:HGJW7DSXY:4:2618:8630:33285_2:N:0:TCTGCAAG+GCTGCACT
TTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTTC
TGGGAGGCTGCTTCTCCATAATTACAACCTCTCTTTAGAGAGCATT

+
FFFF, FFFFFFFFFF: FFFFFFFFF: : FFFFFFFFF: F: FFFF, FFF, FFF, , FFFFFFFF: F: FFF
FFFFFFFFFFFFFFFFF, FFFF: FFFF: FFFFFFFFFF, FFFF, FF:

@A00721:190:HGJW7DSXY:4:2570:4001:3662_2:N:0:TCTGCAAG+GCTGCACT
TAGACGTTGTCACACTTTTCTTGAAATTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAG

+

@A00721:190:HGJW7DSXY:4:1367:24804:1423_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2363:21811:14873_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1371:6099:19194 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1214:16215:19899 2:N:0:TCTGCAAG+GCTGCACT

 $+$

@A00721:190:HGJW7DSXY:4:2523:22670:34741 1:N:0:TCTGCAAG+GCTGCACT

GAA

```
FFFF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF
```

@A00721:190:HGJW7DSXY:4:1450:13268:13228 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1149:10664:20275 1:N:0:TCTGCAAG+GCTGCACT

GGT

[illegible]

@A00721:190:HGJW7DSXY:4:2223:21414:14434 1:N:0:TCTGCAAG+GCTGCACT

CAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAA
GAA

+

FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1549:25554:34663_1:N:0:TCTGCAAG+GCTGCACT
TCGCAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGG
ACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTA
GTA

+

FF:FFFF:FFFF:FFFF,F:FF:FFFFFFFF:FFFF,FFFFFF:FF:,FFFFFF:FF,FFFF,F,F
F:FFFF:FFFF,FFFFFFFF:FFF,:FFFFFFFFFFFF::,F,:FF:FFF,,:FFFFFFFFFFFF:
FF:

@A00721:190:HGJW7DSXY:4:1360:2564:11099_2:N:0:TCTGCAAG+GCTGCACT
AAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAA
GAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGGAAACCAAGTTAAG

+

FFFFFFFFFFFFFF,FF:FFFFFF:FFFFFF:FFFFF
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1521:8820:4711_2:N:0:TCTGCAAG+GCTGCACT
TTCGAGGTTCACTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTC
TTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2452:20934:17675_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGC
CAC

+

FFFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFF:FFFFFF:FF
:FF

@A00721:190:HGJW7DSXY:4:1310:11876:24001_1:N:0:TCTGCAAG+GCTGCACT
AGAAGTTTATTAACCTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGA
CTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCA
CTG

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1233:11550:7936_1:N:0:TCTGCAAG+GCTGCACT
CCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAACGATGAA
GATTTCCACACTGTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTCGGAAGTTTTTGGTAT
AAA

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1639:10004:30749_1:N:0:TCTGCAAG+GCTGCACT
ACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTACACTC
GAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCTGACGTCATTACAGTCTGGAAGTT
AGA

[illegible]

FFFFFFFFFFFFFFFFFFFFF:F,FFF
FFF

@A00721:190:HGJW7DSXY:4:2356:15157:18568_2:N:0:TCTGCAAG+GCTGCACT
CTGTCACGTTTAGCACGGGAGGTTGAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTA
TCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGG

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:1650:26847:10880_2:N:0:TCTGCAAG+GCTGCACT
CTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAA
GGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCG

+

FFFFFFFFFFF:FFF:FFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2544:3269:3114_1:N:0:TCTGCAAG+GCTGCACT
ATTTGTCAATTTACCACCTTTGCTCAACGACGAAGTGAACGCCAACACTTTCTTTGGTAATTGTATG
ATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTGGTTGTCGCTGGGA
CGA

+

FFFFFFFFFFFFFFFFFFFFF::FFFF:F:FFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2426:12861:26271_1:N:0:TCTGCAAG+GCTGCACT
ATCTGTGCTTTGAATTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGG
AGTTCTTGAAGCATCCCGACCTTTCCTTGTAAGAAATTTTGATGCGGTTTCATAAGATTATCAGTAATC
CTG

+

FFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2127:17553:29982_2:N:0:TCTGCAAG+GCTGCACT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAG
CTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTG

+

FFF
F:FFF

@A00721:190:HGJW7DSXY:4:2619:30020:23484_1:N:0:TCTGCAAG+GCTGCACT
TTTACGATAACAACATATCAGTTGATTAAGACTCTTCCGAAAGCGAACTTTGGGAATTTGAAGCTCAG
GGTGAAGCACAACGTTTGACCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCT
TGA

+

FFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2212:8965:25034_2:N:0:TCTGCAAG+GCTGCACT
CGCACTAAAACGTCTTCGACAACAGCGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGG
CAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTAC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2548:9498:18850_1:N:0:TCTGCAAG+GCTGCACT
TTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTA
ATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTC
TCA

FFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFF

@A00721:190:HGJW7DSXY:4:2453:7419:6230_1:N:0:TCTGCAAG+GCTGCACT
 TTA AAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTTCACTAAGAATTGGTCTACTTTTG
 ACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGTTGTTAGGGATTTTG
 AGA

+

:FF:F:FFF:FFF:FFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFF,FF
 FFF

@A00721:190:HGJW7DSXY:4:2251:31349:6370_2:N:0:TCTGCAAG+GCTGCACT
 ATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACTCTACGCAAAGATATTTTCATGA AACT
 ACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCT

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFF:F:F,FF
 FFF,FF:FF:FFF,F

@A00721:190:HGJW7DSXY:4:2628:20193:29324_1:N:0:TCTGCAAG+GCTGCACT
 AGGGTT CAGAATGGGATT CCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTC
 TTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGT
 TGA

+

FF
 FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFF

@A00721:190:HGJW7DSXY:4:1551:4029:9345_2:N:0:TCTGCAAG+GCTGCACT
 GCGTTCCTTATTACGGCGCACTTCTTTACCCGCCACCACACA ACTTTTCAGTTTCACA ACTGAAGGAGGA
 GGTTTCTGT TACTGGAAA ACCCTCGTCAATACTTTTCAATA ATATACG

+

FF
 FF

@A00721:190:HGJW7DSXY:4:2158:32072:34240_2:N:0:TCTGCAAG+GCTGCACT
 GAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAA CTTACCCTGATTCCGGCCGGTGGTAGCTCAT
 TTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTG

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
 FF

@A00721:190:HGJW7DSXY:4:2349:15374:10582_1:N:0:TCTGCAAG+GCTGCACT
 GATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGACTCTTCGTCGATTGTATCAACAGTAAC
 ATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAA
 GGC

+

FFFFFFFFF:FFF
 FF
 FFF

@A00721:190:HGJW7DSXY:4:1377:8549:17707_1:N:0:TCTGCAAG+GCTGCACT
 TTATCTTTCACTCTGGCCTTGTATGAGGGTGTTTCTAATCGTAACATTAATAATTTCAATCTTCTTAA
 AAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAG
 TGG

+

FF,FFFFFFFFF:FFF:FFFF,:FF:FFFF
 FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFF

@A00721:190:HGJW7DSXY:4:2434:9706:21934_2:N:0:TCTGCAAG+GCTGCACT
ATATTTACAAAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCT
TTAATGGCACTACCTCGGTACAATCTTACTTGAACGAAGGCGACCTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1219:17300:24972_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTATACGATTTCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTG
ATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGG
CCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1170:16016:36307_2:N:0:TCTGCAAG+GCTGCACT
CCTTGGATTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAG
AAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2303:6958:29262_2:N:0:TCTGCAAG+GCTGCACT
AAGTGGTAATACTGTCTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACA
TTTTATCGTGGGCTTTCGTAAGGAAGATCTGTTATCGACGGTTTAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2621:4725:13839_2:N:0:TCTGCAAG+GCTGCACT
ACTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATG
ATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAA

+

FFFFFFF:FFF:F:FF
FFF:FFF:

@A00721:190:HGJW7DSXY:4:2648:12183:9972_2:N:0:TCTGCAAG+GCTGCACT
AGTCCCGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTA
CCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTTACTT

+

FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1666:16116:7106_2:N:0:TCTGCAAG+GCTGCACT
CTTCTTATAATAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAG
TTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGAT

+

FFF:F
FFF,F:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2645:8305:29841_1:N:0:TCTGCAAG+GCTGCACT
GACCAACATTAAGGCGGCGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGA
ATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATAT
CCA

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1531:23710:33191_2:N:0:TCTGCAAG+GCTGCACT
TTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCTAGCCTTCA

AGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2276:31385:3928_2:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGC
+
FFFFFFFFFFFF:FF
F:FF
@A00721:190:HGJW7DSXY:4:1409:8187:15765_1:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACT
CCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTACCAAATTCTTGGC
TTT
+
FFFF:FFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2214:8992:19695_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATTAATCATTACTTTAACGATCTCTCGGTCACTTACTCTGTACTTGATCTACGTCGTTTAACT
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTACAGACACTTCT
+
FF
FF:FF
@A00721:190:HGJW7DSXY:4:2516:15157:3912_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAG
AATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACAC
GAA
+
FFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2157:24334:9690_2:N:0:TCTGCAAG+GCTGCACT
CGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTT
TATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTTAT
+
FF
FFFFFFF,FF
@A00721:190:HGJW7DSXY:4:2619:8703:19163_1:N:0:TCTGCAAG+GCTGCACT
CGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAA
TGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACT
ACC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1249:5755:35697_2:N:0:TCTGCAAG+GCTGCACT
ATTTTCGACAAATTTTAGAACTTTATTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGA
TCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1278:7880:12508_1:N:0:TCTGCAAG+GCTGCACT
TTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGAAGAGGTCTATGATATTTATTTTAC

+

@

+

@

+

@

+

@

+

@

+

@

+

@

+

+

@A

+

@

+

@A

+

@

+

@A

+

@A

+

@A

 $+$ [illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:1467:13386:14403_2:N:0:TCTGCAAG+GCTGCACT
TACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTC
TCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATG

+
FFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1237:22281:17378_1:N:0:TCTGCAAG+GCTGCACT
CCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTTCCTCAATAAAAATTTGTCT
CAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTAGTACGTCATGGGGATCACTTCTTC
GGT

+
::FFFFFFFF:FFFFFFFF:FFF,FFFFFFFF:FFFF,FFF
:FF:,FFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF:,FFFFFFFFFFFFFFFF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2343:27380:13401_1:N:0:TCTGCAAG+GCTGCACT
TCGAATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCAC
CAAGATGTTTATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAA
GAA

+
FFFFFF:FF,FFF
FF:FFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2160:4833:29152_1:N:0:TCTGCAAG+GCTGCACT
TCGCAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGG
ACGCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGAATACTTGTTTCCCTTTTAGGTTTA
GTA

+
FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1617:2239:28855_2:N:0:TCTGCAAG+GCTGCACT
AAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAA
GAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAG

+
:FF:FFFF:FFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2358:27651:34632_2:N:0:TCTGCAAG+GCTGCACT
TTCGAGGTTACGCTACGAGAGGTGATCCCGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTC
TTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGA

+
FFF,FFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFF
F:FFFF:FFFF:F:FFF:FFFF:FFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2464:4670:13557_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAAACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGC
CAC

+
FFF:FF:FFFF:FFFF:FFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2445:21802:30013_1:N:0:TCTGCAAG+GCTGCACT
AGAAGTTTATTAACCTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGA

CTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCA
CTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1259:12255:28667_1:N:0:TCTGCAAG+GCTGCACT
CCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAACGATGAA
GATTTCCACACTGTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTAT
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2122:28203:30358_1:N:0:TCTGCAAG+GCTGCACT
ACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTACACTC
GAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCATTACAGTCTGGAAGTT
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2613:22824:18818_1:N:0:TCTGCAAG+GCTGCACT
GATTAGAGACATGCCAGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAG
GTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGT
GGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2147:20211:16986_1:N:0:TCTGCAAG+GCTGCACT
ATTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTGATGATGTTCCGGGC
TGTGGGGATTAACCTTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAA
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2269:2003:16016_2:N:0:TCTGCAAG+GCTGCACT
ACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAATATCGCCG
GGAATTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGA

+

FF
FFF:FFFFF:FF

@A00721:190:HGJW7DSXY:4:1455:24704:7106_1:N:0:TCTGCAAG+GCTGCACT
CGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTTGGGACTGAGACCT
CTGAATTTTACAGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGT
GTT

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2607:1497:32049_2:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG

TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCA

+

FF:FFFF,FFFFFFFFFFFFFFFF:FFFF:FF
:FF

@A00721:190:HGJW7DSXY:4:2319:30355:3583_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC
TCCAAGTCGCAAACACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTC
AGT

+

FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2462:6424:1532_2:N:0:TCTGCAAG+GCTGCACT
CTGTCACGTTTAGCACGGGAGGTTGAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTA
TCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGG

+

FF,FFFFF
FF

@A00721:190:HGJW7DSXY:4:2314:8196:6230_2:N:0:TCTGCAAG+GCTGCACT
CTCGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAA
GGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCG

+

FFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF
:FFFFFFFF,FF:FFFFFFFF:FFFF:FFFF:FFF:FF,FFFFFF

@A00721:190:HGJW7DSXY:4:2551:14615:29089_1:N:0:TCTGCAAG+GCTGCACT
ATTTGTCATTTACCACCTTTGCTCAACGACGAAGTGAACGCCAACACTTTCTTTGGTAATTGTATG
ATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTGCTGGGGA
CGA

+

F,FFFFFFFF:FFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2153:14778:29309_2:N:0:TCTGCAAG+GCTGCACT
TTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCAT
CCCGACCTTCTCTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA

+

:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2364:32750:18380_2:N:0:TCTGCAAG+GCTGCACT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAG
CTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTG

+

FF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFF:FF:FFF:F

@A00721:190:HGJW7DSXY:4:2461:31403:8312_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTG
TGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTC

+

FF:FFFF,FFFFFFFF
FF:FFFF,FF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2269:27480:23688_2:N:0:TCTGCAAG+GCTGCACT
CGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGG
CAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTCTAC

+

@A00721:190:HGJW7DSXY:4:1304:7066:13980_1:N:0:TCTGCAAG+GCTGCACT
TCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAA
TAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCT
CA

@A00721:190:HGJW7DSXY:4:1163:26205:14841_1:N:0:TCTGCAAG+GCTGCACT
TAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTCTACTTTTGA
CAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGA
GA

@A00721:190:HGJW7DSXY:4:2278:32389:26396_2:N:0:TCTGCAAG+GCTGCACT
ATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAACT
ACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCT

@A00721:190:HGJW7DSXY:4:2628:20365:30029_1:N:0:TCTGCAAG+GCTGCACT
AGGGTTTCAGAAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTATCGTC
TTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGT
TGA

@A00721:190:HGJW7DSXY:4:2323:21305:27367_2:N:0:TCTGCAAG+GCTGCACT
GCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTTCAGTTTCACAACCTGAAGGAGGA
GGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACG

@A00721:190:HGJW7DSXY:4:2173:1967:4993_2:N:0:TCTGCAAG+GCTGCACT
GAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCAT
TTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTG

@A00721:190:HGJW7DSXY:4:2606:15465:21449_1:N:0:TCTGCAAG+GCTGCACT
GATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAAC
ATTACTTCTAATAAAGGTCTCTATCAAGCTCGTATTATCGTCGCTGCTGGATCTGCGTTACCGTTGAA
GGC

@A00721:190:HGJW7DSXY:4:2271:32696:23641_1:N:0:TCTGCAAG+GCTGCACT
TTATCTTTCACTCTGGCCTTGATGAGGGTGTTTCTAATCGTAACATTAATAATTTCAATCTTCTTAA

AAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAG
TGG

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2444:26096:9987_2:N:0:TCTGCAAG+GCTGCACT
ATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTCTGCTTCCTCCT
TTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1260:8232:14434_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTATACGATTTCTGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTG
ATGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGG
CCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1368:14217:10989_2:N:0:TCTGCAAG+GCTGCACT
CCTTGGAATTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAG
AAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTA

+

:FFF:FFF:FFFFFFFFFF,FF,FFFFFFFFFFFF:FFF,FF,F:F,FF,FFFFFFFFFFFFFFFF
FFF,,:F:FFF:FFFFFFFFFFFF,:FFFFFF,FF:FFFFFFFFFF,F

@A00721:190:HGJW7DSXY:4:2362:24379:12618_2:N:0:TCTGCAAG+GCTGCACT
AAGTGGAATACTGTCTTCCAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACA
TTTTATCGTGGGCTTTCGTAAGGAAGATCTGTTATCGACGGTTTAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1308:25211:20917_1:N:0:TCTGCAAG+GCTGCACT
TTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATGA
TAACCTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCC
TCA

+

FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1427:5303:26240_1:N:0:TCTGCAAG+GCTGCACT
TAATAATGACGAGACTTTCGTATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTG
TCGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTCTTGCTGAAATTT
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2105:3866:22936_2:N:0:TCTGCAAG+GCTGCACT
CTTCTTATAATAATAATAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAG
TTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGAT

+

FFFFFFF:FF:::
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1220:1307:14027_1:N:0:TCTGCAAG+GCTGCACT
ACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAA
TAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATATC
CAG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFF: ,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2269:13738:10755_2:N:0:TCTGCAAG+GCTGCACT
TTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACTAGCCTTCA
AGTGGGGTATGCCTGCGGAATACGCTTGCTATTACACGATTGGTTTCG

+

FF
FF,FFFFFF

@A00721:190:HGJW7DSXY:4:2357:11767:35963_2:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1449:16125:25285_1:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACGTTGCAGATCGCCACT
CCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATACTTTTGTACCAAATTCTTGGC
TTT

+

FF::FFF:F: , ,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF
:FFFF:FFFFFF,FFFFFFFFFFFFFF,::,FF::: :F:FF,F:FFFFFFFF:FFFF,FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2330:2998:25880_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATTAATCATTACTTTAACGATCTCTCGTCAATTTACTCTGTACTTGATCTACGTCGTTAACT
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1254:18710:7373_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTTAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAG
AATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACAC
GAA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2550:12789:16313_2:N:0:TCTGCAAG+GCTGCACT
CGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTT
TATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTTAT

+

FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F
FFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2651:28890:23218_1:N:0:TCTGCAAG+GCTGCACT
CGATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAA
TGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACT
ACC

+

:FFFFFFFF:FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2121:15275:1485_2:N:0:TCTGCAAG+GCTGCACT
ATTTGACAAATTTTAGAACTTTATTTAGAAGCTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGA
TCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGA

@A00721:190:HGJW7DSXY:4:1434:18900:21605_1:N:0:TCTGCAAG+GCTGCACT
TTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAGTTGGAAGAGGTCTATGATATTTATTTTAC
TTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGA
TTA

@A00721:190:HGJW7DSXY:4:1256:5141:13620_1:N:0:TCTGCAAG+GCTGCACT
GGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAA
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAATACTTCAAGTACCTGAACTTT
ACA

@A00721:190:HGJW7DSXY:4:1478:10583:20729_2:N:0:TCTGCAAG+GCTGCACT
CAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGCA
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTA

@A00721:190:HGJW7DSXY:4:1602:29912:11177_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACT
GC

@A00721:190:HGJW7DSXY:4:2551:22345:13510_1:N:0:TCTGCAAG+GCTGCACT
TGCTCTTCCGATCTGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCA
GGACCCGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCG
GAC

@A00721:190:HGJW7DSXY:4:1531:6903:18991_2:N:0:TCTGCAAG+GCTGCACT
CCCGTCATCTCTGTGGGAAGTACCTCAGTCAAAAGTCACATTACCACTCCCATACCAAT
CAATGATGTGACTATACAGTTCGGCCATTCAAGAGTGGTCAATACGT

@A00721:190:HGJW7DSXY:4:1236:15085:32471_2:N:0:TCTGCAAG+GCTGCACT
CCTTCCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAG

GGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1440:27190:19460_2:N:0:TCTGCAAG+GCTGCACT
ACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGG
CGGCTTGGGTCATTAAGGAGATCGGAAGAGCGTCGTGTAGGGAAAGAG
+
FFFFFF:FFFF:FFFF:FF
FFFF,,FF:FFF:FFFFFFFFFFFFFFFF:FFFF,FF:F,:FFFF,FFFF
@A00721:190:HGJW7DSXY:4:2121:31024:24878_1:N:0:TCTGCAAG+GCTGCACT
GTGCTCTTCCGATCTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGAC
TTTTCGCTACTGGCGACAACTGAGAGCACTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGAC
GCT
+
FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1154:15935:29058_1:N:0:TCTGCAAG+GCTGCACT
CAACGGCGTTTGGAGGATTTTATCCGCGCTTAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGAC
ACTTAGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGG
ACT
+
FFFFFFFF,FFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2640:2148:31422_2:N:0:TCTGCAAG+GCTGCACT
TTAGAAGGAAGTTGGGCAAATTCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTTCCT
TTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAG
+
FF
FF,FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1406:13241:31344_1:N:0:TCTGCAAG+GCTGCACT
TGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATT
AAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTGAGAAGATGAG
GAA
+
FFFFFF,FFFF,FFFFFF:FFFF:FF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1166:31331:6402_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGT
+
FF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:1510:8766:9408_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGTAACCTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCACTACTC
CGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT
+
FF
FFF:F,FFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1320:8757:29966_2:N:0:TCTGCAAG+GCTGCACT
ATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTACTCTAAGAGTCTTTAT

GATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF:FFFFFFFF:F::FF,FF:FFF,F,FFF,FFFF:F
FFFF:FF,F:FFFF:FFF:F,FFFFFFFFFFFF::FFF:,FFFF:FFFF

@A00721:190:HGJW7DSXY:4:2566:26558:6057_1:N:0:TCTGCAAG+GCTGCACT
GAGGCGATATTCGTTTTCATATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGAT
GTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCAT
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1473:22598:2206_2:N:0:TCTGCAAG+GCTGCACT
TACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTC
TCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATG

+

FFFFF:FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1304:16188:18223_1:N:0:TCTGCAAG+GCTGCACT
CCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTTCCTCAATAAAAATTTTCT
CAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTACGTACGTCATGGGGATCACTTCTTC
GGT

+

FFFFFFFFFFFFFFFFFFFF,FFFF:FFFF,FFFFFFFFFFFFFFFFFFFF:F:FFF:FFFFFFFFFFFF
FF,FFF::FFFFFFFFFFFF::FF
FFF

@A00721:190:HGJW7DSXY:4:2451:2754:21731_1:N:0:TCTGCAAG+GCTGCACT
TCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCAC
CAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGACGATCTTACTCGTTATCGGAGCTAA
GAA

+

FFFFF::FFFF,FF
FFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2218:31819:13761_1:N:0:TCTGCAAG+GCTGCACT
TCGCAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTACAG
ACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGAATACTTGTTTCCCTTTTATAGTTTA
GTA

+

:FFFFFFFFFFFF:FF
FF,FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2552:4942:29465_2:N:0:TCTGCAAG+GCTGCACT
AAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAA
GAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAG

+

FF:F:FFFF:FFFF:F
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2477:12427:33191_2:N:0:TCTGCAAG+GCTGCACT
TTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTC
TTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGA

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F,FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFF
F,FFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FF,FFF:F::FFFFFFF

@A00721:190:HGJW7DSXY:4:2659:6008:7670_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACC
ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTCTCAAGGCTCTCATCGC
CAC

+

F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1348:16947:19727_2:N:0:TCTGCAAG+GCTGCACT
TTAAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGG
AAAAGAGACCTCTGTTGTAGAGGAGTTGAGAGAATTACTCAGATTCAA

+

FF:
FF

@A00721:190:HGJW7DSXY:4:1465:7536:12477_1:N:0:TCTGCAAG+GCTGCACT
CCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAACGATGAA
GATTTCCACACTGTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTAT
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2331:3631:26005_1:N:0:TCTGCAAG+GCTGCACT
ACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTACACTC
GAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCATTACAGTCTGGAAGTT
AGA

+

FF:FF:
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2304:21296:7498_1:N:0:TCTGCAAG+GCTGCACT
AGTTAGAGTCTCTTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTA
CTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAAT
AAC

+

FFFFFFFFFFFFF:FF
FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2244:16966:8766_1:N:0:TCTGCAAG+GCTGCACT
ATTAAACATTTTTTTTTTTCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTGATGATGTTTCGGGC
TGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAA
GTC

+

FFFFF:FF:.....F:FFFF:FFFFFFFFF:F,FF:F::FFFF,FFFFFFFF,,FFFFFFFF,FFF
FFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2336:29631:22529_2:N:0:TCTGCAAG+GCTGCACT
ACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAATATCGCCG
GGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGA

+

FF
FFF,F:FFF:FF,FF

@A00721:190:HGJW7DSXY:4:1457:30816:29966_1:N:0:TCTGCAAG+GCTGCACT
CGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCT

@A00721:190:HGJW7DSXY:4:2511:22055:11005_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTGTT
TGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2363:16839:30655_2:N:0:TCTGCAAG+GCTGCACT
CGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGG
CAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTAC

+

FFFFFFFFF:FF:FFF:
F,FF

@A00721:190:HGJW7DSXY:4:1401:8892:7467_2:N:0:TCTGCAAG+GCTGCACT
AATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAA
TGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTA

+

:F:FF:FFF:
FF

@A00721:190:HGJW7DSXY:4:2443:21097:25034_1:N:0:TCTGCAAG+GCTGCACT
AAAACCATTTGTACGATGTCGTCTGTCTCGGCGATCACTTTTCACTAAGAATTGGTCCTACTTTTGGAC
AAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAG
A

+

FFFFFFFFF,FFF:F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FF:FF,F,FFF:FF,FFF:FFF
FFFF:F::FFFFFFFFFFFFF:::FFFFFFFFF,FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
F

@A00721:190:HGJW7DSXY:4:2350:27724:9987_2:N:0:TCTGCAAG+GCTGCACT
ATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAAC
ACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCT

+

FF
FFFFFFFF:FF:F

@A00721:190:HGJW7DSXY:4:1207:2031:36636_1:N:0:TCTGCAAG+GCTGCACT
TTCAGAAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTAC
GTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTGGTACTTTGGAGGTCGTGACGTTGAT
GAA

+

:FFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFF:,FF
FFF

@A00721:190:HGJW7DSXY:4:1113:16405:24987_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGG
TTTCTGTACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2173:2003:5024_2:N:0:TCTGCAAG+GCTGCACT
GAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCAT
TTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTG

+

FF
FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2468:29704:10786_1:N:0:TCTGCAAG+GCTGCACT
GGCTAAACTCCAAGGTAATTATGAAGACTGTGATTTATCTTCACTCTGGCCTTGTATGAGGGTGT

FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1466:29677:29434_2:N:0:TCTGCAAG+GCTGCACT
TGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAA
TATCCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATG

+

FF:FFFFFFFF:FFFF
FF:FFFF

@A00721:190:HGJW7DSXY:4:2417:4092:10050_2:N:0:TCTGCAAG+GCTGCACT
TTCGCCATTGTGGTACGAATTGGTCCAACATATACCACCAAATTCTTTTGATACAACTCTAGCCATCA
AGTTGGGTATGCCTGCGGAATACGCTTGCTATTACACGATTGGTTTCG

+

:,:,FFFFF,:F,,FF,FF:FF,F:FFFFFF,:FF,FFF:FF,,FFFFFFF,FFFFFFFFFFFFF,:FF
:FF,F,,FFF,FF:F,,FFFFFFF,,FFFFFFFFFFFF,FF:F,,:,,FF

@A00721:190:HGJW7DSXY:4:2419:2202:15013_2:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGC

+

FFFFFFFFF:FF:FF:FF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFF:F:F,FF:F:F
F:FFFFFF:,F:F,FF,F:F,FFFF,FFF:FFF,FF:FFFF:FF,,FF

@A00721:190:HGJW7DSXY:4:1519:12906:5337_1:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACGTTGCAGATCGCCACT
CCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTACCAAATTCTTGGC
TTT

+

FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFF:FFFFFFFFF,FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2452:4915:31422_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATTAATCATTACTTTAACGATCTCTCGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACT
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT

+

FF:FFFFFFFF
FF,FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1575:6216:20807_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTTAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAG
AATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACAC
GAA

+

FFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1419:6424:7639_1:N:0:TCTGCAAG+GCTGCACT
TTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTATAATTTATAACCTT
CTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTA
TGT

+

FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2178:16260:24549_1:N:0:TCTGCAAG+GCTGCACT
GATAGTGATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAAT
GGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACACTATTATCCGATTCTTCGAGGGTATCACTA
CC

```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2121:16025:1376_2:N:0:TCTGCAAG+GCTGCACT
ATTTTCACAAATTTTAGAACTTTATTTTCCGAATCCTCTCGGATCACCTTGGTGTGATCTCCCGGAGGA
TCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTTAATAGTGA
+
FFFFFFFFFF:FF,:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1514:8115:19586_1:N:0:TCTGCAAG+GCTGCACT
TTTATCAAAGATTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGACTATGATATTTATTTTAC
TTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGA
TTA
+
F:F:FFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1363:16541:10441_1:N:0:TCTGCAAG+GCTGCACT
GGTGAACACGTCGGTAGCATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTTCGAAAAGAA
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACCTT
ACA
+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF::F:FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1608:28917:6136_2:N:0:TCTGCAAG+GCTGCACT
CAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCA
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFF:
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,,FFFFFFFF:F:
@A00721:190:HGJW7DSXY:4:2160:9643:25207_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGC CGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC
GC
+
FFFFF,FFFFF:FFF::F::FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1115:17083:35587_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCTGTCAAACCTAGTCCC GCCGGTCGGCATATCGGCACC ACTGGTCTCTACGTT CAGGGACCC
GCTGTGCAGAATAACCTTCCA ACTCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGAC
+
FF:,FF,:FF:F,,F,F,,,F::F:F,,:FF,FF:FFFFFF,F,,:FFFF::,FFF,,FFFFFFF
F,,F:F,:FFF::FFF,,F,F:F,FF::,FFF,FFFFF:FFF:F:FF:F,F:FF,FFF::FF,:F
@A00721:190:HGJW7DSXY:4:1652:26259:35822_2:N:0:TCTGCAAG+GCTGCACT
CCCGTCATCTCTGTGGGA ACTGAGGCAGTACCTCAGTCAAAAAGTCACATT CACCACTCCC ATACCAAT
CAATGATGTGACTATACAGTT CGGCCATTTCAAGAGTGGTCAATACGT
+
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1537:9986:27649_2:N:0:TCTGCAAG+GCTGCACT
CCTTCCCCCTCCGCTGGC AC GAAGAACACTCCCAAGCCAAT CAATAGTTCTTCTGACCAGAATGAAAAG

```


+

@A00721:190:HGJW7DSXY:4:2103:6027:13025_2:N:0:TCTGCAAG+GCTGCACT
ACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGG
CGGCTTGGGTCATTAAGGAGATCGGAAGAGCGTCGTGTAGGGAAAGAG

+

@A00721:190:HGJW7DSXY:4:2153:11541:15468_1:N:0:TCTGCAAG+GCTGCACT
GTGCTCTTCCGATCTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGAC
TTTTCGCTACTGGCGACAAACTGAGAGCACTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGAC
GCT

+

@A00721:190:HGJW7DSXY:4:1229:12599:6433_1:N:0:TCTGCAAG+GCTGCACT
CAACGCGCTTTGGATGATTTTATCCGCGCTTAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGG
ACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGG
ACT

+

@A00721:190:HGJW7DSXY:4:2676:6876:2347_2:N:0:TCTGCAAG+GCTGCACT
TTAGAAGGAAGTTGGGCAAATTCACATATGGTAGACGTTGTACACTTTTCTTGAAAATTTTCT
TTCTCCGTCATTGGGGATTCGATGTGAGAAGGTGGAAGGTGTCAAG

+

@A00721:190:HGJW7DSXY:4:1470:13033:13197_1:N:0:TCTGCAAG+GCTGCACT
TGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATT
AAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAG
GAA

+

@A00721:190:HGJW7DSXY:4:1169:24831:17628_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGT

+

@A00721:190:HGJW7DSXY:4:1625:13358:6057_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGGTAACTTACCATAATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTC
CGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT

+

@A00721:190:HGJW7DSXY:4:1430:5339:9486_2:N:0:TCTGCAAG+GCTGCACT
ATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTACTCTAAGAGTCTTTAT

+

@A00721:190:HGJW7DSXY:4:1105:7536:25191_2:N:0:TCTGCAAG+GCTGCACT
GCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTG
AAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACC

+

@A00721:190:HGJW7DSXY:4:1531:15628:16031_2:N:0:TCTGCAAG+GCTGCACT
TACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTC
TCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATG

+

@A00721:190:HGJW7DSXY:4:1307:22417:18114_1:N:0:TCTGCAAG+GCTGCACT
CCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTTCCTCAATAAAAAATTTTTCT
CAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTACGTACGTCATGGGGATCACTTCTTC
GGT

+

@A00721:190:HGJW7DSXY:4:1161:17544:34162_1:N:0:TCTGCAAG+GCTGCACT
CGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCC
AAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTCACTCGTTATCGGAGCTAAG
AAG

 $+$

@A00721:190:HGJW7DSXY:4:2259:22200:23563_1:N:0:TCTGCAAG+GCTGCACT
TCGCAAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAAGG
ACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTA
GTA

+

@A00721:190:HGJW7DSXY:4:2629:12816:30953_2:N:0:TCTGCAAG+GCTGCACT
AAACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAA
GAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAG

+

@A00721:190:HGJW7DSXY:4:2622:10257:10614_2:N:0:TCTGCAAG+GCTGCACT
TTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTC
TTTTTGAATGTTGTAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGA

+

@A00721:190:HGJW7DSXY:4:2659:6587:8140_1:N:0:TCTGCAAG+GCTGCACT
TTTTCAAAAATGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACC

ACTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGC
CAC

+

FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1477:30165:10864_2:N:0:TCTGCAAG+GCTGCACT
TTAAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGG
AAAAGAGACCTCTGTTGTAGAGGAGTTGAGAGAATTACTCAGATTCAA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1465:7835:13307_1:N:0:TCTGCAAG+GCTGCACT
CCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAACGATGAA
GATTTCCACACTGTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGTAT
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2671:10239:3411_1:N:0:TCTGCAAG+GCTGCACT
ACAGGACTTTGAGAAGACTGTTGAAATGGACAAAATCTGGGATCATAGGTATGTGTACGCTACACTC
GAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCTGACGTCATTACAGTCTGGAAGTT
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2565:29776:1266_1:N:0:TCTGCAAG+GCTGCACT
AGTTAGAGTCTTCTTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTA
CTCCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAAT
AAC

+

FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1365:16062:3317_1:N:0:TCTGCAAG+GCTGCACT
TTAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTCTGGGCT
GTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTACAAGGATTACTAAG
TCT

+

:FF
FFFF:FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2502:2031:30718_2:N:0:TCTGCAAG+GCTGCACT
ACTTCTAATTTTAGGAAACGTCGCGAAAAGAAGGTTTCATGAGGATGTCTTGGTCGAAAATATCGCCG
GGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFF:FFFF:F:,FFFFFFFFF:FFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1533:9869:11287_1:N:0:TCTGCAAG+GCTGCACT
CGTCTCAGGAAGTGTCTCCACTGATTTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCT
CTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGT
GTT

```
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1168:2736:17190_1:N:0:TCTGCAAG+GCTGCACT  
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG  
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTTCATGATTCACGCTGGTCAGACC  
CTT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2471:1994:15436_1:N:0:TCTGCAAG+GCTGCACT  
ACTTAAGGCGGCTTATAACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC  
TCCAAGTCGCAAACACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTC  
AGT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2654:17400:7921_2:N:0:TCTGCAAG+GCTGCACT  
CTGTCACGTTTTAGCACGGGAGGTTGAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTA  
TCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGG  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2321:13150:5760_2:N:0:TCTGCAAG+GCTGCACT  
CTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAA  
GGCTAATACCTTTATAGGTAAGAAGCCCCCTTGAGCCGCGTAGTCAGCG  
+  
FFFFFFF::FFFFFFF::FFF:FFFFFFFFFFFFFFFF:F,FFFFFF:::FFFFFF:F::FFFF:FFFF  
F,FFFF:FFF,FFFF:,FFF:,F:F,FF,FFFFFF:FFFFFFF:,FF  
@A00721:190:HGJW7DSXY:4:1220:14344:34569_1:N:0:TCTGCAAG+GCTGCACT  
ATTTACCACCTTTGCTCAACGACGAAGTGGAACGCCAACACTTTCTTTGGTAATTGTATGATCACTT  
TGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGCTGTGGTTGTCGCTGGGGACGATTCC  
ATT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2366:16712:20478_2:N:0:TCTGCAAG+GCTGCACT  
TTGTATAAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCAT  
CCCACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2378:31656:34115_2:N:0:TCTGCAAG+GCTGCACT  
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAG  
CTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTG  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2557:22281:15248_2:N:0:TCTGCAAG+GCTGCACT  
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTT
```

+

@A00721:190:HGJW7DSXY:4:2406:20094:6292_2:N:0:TCTGCAAG+GCTGCACT
CGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGG
CAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTAC

+

@A00721:190:HGJW7DSXY:4:2327:28375:8453_2:N:0:TCTGCAAG+GCTGCACT
AATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAA
TGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTA

+

@A00721:190:HGJW7DSXY:4:2323:21016:22388_2:N:0:TCTGCAAG+GCTGCACT
TACGATGTCGTCTGTCTCGGCGATCACTTTTCTACTAAGAATTGGTCTACTTTTGGACAAGGCCAACT
TCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAG

+

@A00721:190:HGJW7DSXY:4:2418:13621:29590_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTTCAT

+

@A00721:190:HGJW7DSXY:4:1361:10059:3662_1:N:0:TCTGCAAG+GCTGCACT
TTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTAC
GTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGAT
GAA

+

@A00721:190:HGJW7DSXY:4:1227:25545:30201_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAAGTTTCACAACTGAAGGAGGAGG
TTTCTGTTACTGGAAAACCTCGTCAATACTTTTTCAATAATATACGTC

+

@A00721:190:HGJW7DSXY:4:2476:15817:22936_2:N:0:TCTGCAAG+GCTGCACT
GAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCAT
TTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTG

+

@A00721:190:HGJW7DSXY:4:2649:9769:7326_1:N:0:TCTGCAAG+GCTGCACT
TTATCTTTCACCTCTGGCCTTGTATGAGGGTGTTTCTAATCGTAACATTAATAATTTCAATCTTCTTAA
AAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAG
TGG

+

[illegible]

F:FF
FFF
@A00721:190:HGJW7DSXY:4:2528:9878:11209_2:N:0:TCTGCAAG+GCTGCACT
ATATTTACAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTCTCCTCCT
TTAATGGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTG
+
FF
:FFFFFFFFFFFFFFFF:FFFF,FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2320:8404:1423_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTG
ATGCTGACTTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGG
CCT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1573:18927:15452_2:N:0:TCTGCAAG+GCTGCACT
CCTTGGAATTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAG
AAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTA
+
FFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFF:F,,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF:F,FFFFFFFF:F
@A00721:190:HGJW7DSXY:4:1445:10601:9862_2:N:0:TCTGCAAG+GCTGCACT
AGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACAT
TTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGTTTATC
+
FF
FF:
@A00721:190:HGJW7DSXY:4:1525:2908:22623_1:N:0:TCTGCAAG+GCTGCACT
TTATCTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATGA
TAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCC
TCA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1665:31186:16016_1:N:0:TCTGCAAG+GCTGCACT
TAATAATGACGAGACTTTTCGTATAATCGCTGCATATTACGATTACACGGTACCAGCGCATCTCGTG
TCGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTT
ATA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1157:12337:6793_2:N:0:TCTGCAAG+GCTGCACT
CTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTC
GAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGT
+
FF
FF:FFF
@A00721:190:HGJW7DSXY:4:1232:30626:18740_1:N:0:TCTGCAAG+GCTGCACT
ACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTACCCAAAATGAAGGACACTTCGAAACTGAA
TAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATATC
CAG

+
FF:FF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2425:24153:24439_2:N:0:TCTGCAAG+GCTGCACT
TTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCTAGCCTTCA
AGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCCAGATTGGTTTCG
+
FF:FFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2419:4463:13197_2:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1553:18032:16125_1:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACT
CCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCTTGGC
TTT
+
FF:FF
FF:FFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2452:5132:30452_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATTAATCATTACTTTAACGATCTCTCGGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACT
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCT
+
FF
FFFF:FF
@A00721:190:HGJW7DSXY:4:2108:28845:5228_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTTAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAG
AATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACAC
GAA
+
FFFFFFFFFFFFFF:FFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1617:18674:4429_1:N:0:TCTGCAAG+GCTGCACT
TTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTT
CTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTA
TGT
+
:FFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1267:10330:34601_2:N:0:TCTGCAAG+GCTGCACT
GATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTC
AAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2317:30002:21261_2:N:0:TCTGCAAG+GCTGCACT
ATTTGACAAATTTTAGAACTTTATTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGA

+

@A00721:190:HGJW7DSXY:4:1646:8748:32080_1:N:0:TCTGCAAG+GCTGCACT
TTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAGTTGGAAGAGGTCTATGATATTTATTTTAC
TTATACTTTAAATAGCACCATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGA
TTA

+

@A00721:190:HGJW7DSXY:4:2407:26738:19742_1:N:0:TCTGCAAG+GCTGCACT
GGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAA
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACCTT
ACA

+

@A00721:190:HGJW7DSXY:4:1643:9914:22952_2:N:0:TCTGCAAG+GCTGCACT
CAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGCA
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTA

+

@A00721:190:HGJW7DSXY:4:1170:25111:18427_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACT
GCC

 $+$

@A00721:190:HGJW7DSXY:4:1446:2691:36182_2:N:0:TCTGCAAG+GCTGCACT
ACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCG
CTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTG

+

@A00721:190:HGJW7DSXY:4:2132:9317:4476_2:N:0:TCTGCAAG+GCTGCACT
CCCGTCATCTCTGTGGGAAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAAT
CAATGATGTGACTATACAGTTCGGCCATTCAAGAGTGGTCAATACGT

+

@A00721:190:HGJW7DSXY:4:2344:16749:7952_1:N:0:TCTGCAAG+GCTGCACT
ATCTAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAG
TCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCA
GGA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2361:22824:25488_2:N:0:TCTGCAAG+GCTGCACT
ACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGG
CGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2625:3703:33959_1:N:0:TCTGCAAG+GCTGCACT
GTGCTCTTCCGATCTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGAC
TTTTCGCTACTGGCGACAACTGAGAGCACTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGAC
GCT

+

FFF,FFF:,FFFF::F,:FFFF,F,FF,F,FFF,,,FFFFFF:F,,F::FF,,F,,:FFFF,,:F,
:,FFFF,F:,:FF:FFF,F,:F,F:FFF,:FF:FFFFFFFFFFFF,FF:FF:FFFF:FFFFFF,:F,F
F:F

@A00721:190:HGJW7DSXY:4:2307:11270:28087_1:N:0:TCTGCAAG+GCTGCACT
CAACGGCGTTTGGAGGATTTTATCCGCGCTTAATCTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGG
ACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGG
ACT

+

FFFFFFFF:FFF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1249:30761:20040_1:N:0:TCTGCAAG+GCTGCACT
TAGAAGGAAGTTGGGCAAATCCACATATGGTAGACGTTGTCACACTTTTCTTGAATTTTTCCTT
TCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTT
TCA

+

FFFFFFFF:FFFFFFFFFFFF:FFFFFFFF:FFF:
FF
FFF

@A00721:190:HGJW7DSXY:4:2316:12735:34131_1:N:0:TCTGCAAG+GCTGCACT
TGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATT
AAGAGTCCAGCTGTAACCTGTCATTTAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAG
GAA

+

FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1368:10131:22263_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGT

+

FFF:FF,FFFFFFFFF::FFFF
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2121:11605:22842_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGGTAACCTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTC
CGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1474:17852:18724_2:N:0:TCTGCAAG+GCTGCACT
ATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGCCGACTTTAACTATTCTAAGAGTCTTTAT
GATTCAAAACAGATCGGAAGAGCGTCGTGTAGGGAAGAGTGTAGTGG

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFF,FF:FFFFFFF,FFFFFFF  
:FFF::FFFFF:FFF:FFFFFFF:F,F,:FFFF,FFFFFFF:F:FF,  
@A00721:190:HGW7DSXY:4:1469:7907:19257_2:N:0:TCTGCAAG+GCTGCACT  
GCGATATTCTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTG  
AAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACC
```

```

+
FFFFFF,FFF:FFF:FFFF,,FF:FFFFFF:FFF,FFFFFFF:FF:FF,,FFF,F,FFFFFFFFFFFF,
FFF:F::FF::F:F,:FFFF,:F:F,FFFF,,FF,,FFFF,F,:,:F:,
@A00721:190:HGJW7DSXY:4:1414:21784:15671_1:N:0:TCTGCAAG+GCTGCACT
CCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAAATTTTTCT
CAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTAGTACGTCATGGGGATCACTTCTTC
GGT

```

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2550:15908:28416_1:N:0:TCTGCAAG+GCTGCACT
TCGCAAACTTATCGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTTCTGAGAGAAAAGATTCAAG
ACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTATAGTTTA
GTA
```

```
+  
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFF:FF  
FFFFFFFFFFFFFF:F:FF  
@A00721:190:HGJW7DSXY:4:2103:23592:34240_2:N:0:TCTGCAAG+GCTGCACT  
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTT  
GAATGTTGTAAAGAATTGGGTTGAGAAGCGTGCGATCGGAAGAGCGT
```

+

FF:FFFF:F:FF:FFFFFFFF
FF:FFFFFF:FFF:F:F:FFFFFF,FF::FF:FFFFFFFFF,FFFFFF
@A00721:190:HGJW7DSXY:4:2215:13087:4366_2:N:0:TCTGCAAG+GCTGCACT
TAAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGG
AAAAGAGACCTCTGTTGTAGAGGAGTTGAGAGAATTACTCAGATTCAA

+
FF:F,,FF:FFFFFFFFFFFFFFFFFFFFFFFF,FFF
::F:FFFFFFFFFFFFFF:FF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2173:24632:24549_1:N:0:TCTGCAAG+GCTGCACT
CCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAACGATGAA
GATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTTTTGGTAT
AAA

+
:FFFFFFFFF:FF
FF:FFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2618:25012:34413_2:N:0:TCTGCAAG+GCTGCACT
TCATAGGTATGTGTACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTC
GTTGACGTCATTACAGTCTGGAAGTTAGATCATTTGTTGAGGAAGATC

+
FF
FF
@A00721:190:HGJW7DSXY:4:2608:14687:3129_1:N:0:TCTGCAAG+GCTGCACT
AGTTAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTA
CTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTGCGAGGATGACAGGTGGGAGACCGCTCAAT
AAC

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1527:22399:6057_1:N:0:TCTGCAAG+GCTGCACT
TTAAACATAAAATCCAGCGATTCTATTATGTGCTAAAGCCTGTCCAGTTGTGATGATGTTGCGGCT
GTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTTTACAAGGATTACTAAG
TCT

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2502:2085:33536_2:N:0:TCTGCAAG+GCTGCACT
ACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCG
GGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGA

+
FF:FF
FFFFF:FF
@A00721:190:HGJW7DSXY:4:1643:30707:18630_1:N:0:TCTGCAAG+GCTGCACT
CGTCTCAGGAAGTGTCTCCACTGATTGCGAATTAGAGAAAGACGACCTTCTGTGGGACTGAGACCT
CTGAATTTTACAGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGT
GTT

+
FFFFFFF:FFFF,FFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1334:30861:26162_1:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG

TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACC
CTT

+

FF
FFFFFFFF:FFFFFFFF:FF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2511:20799:1438_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC
TCCAAGTCGAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTC
AGT

+

F:FFFFFFFF:FFFFFFFF:FF
FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2243:11071:28714_2:N:0:TCTGCAAG+GCTGCACT
ACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTG
ACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCT

+

FF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2622:2266:22106_2:N:0:TCTGCAAG+GCTGCACT
CTCGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGGTGTCGATCGAATTAAGATCAA
GGCTAATACCTTTATAGGTAAGAAGCCCCGTGAGCCGCGTAGTCAGCG

+

FFFFF:FFFF,FFFFFFFFFFFFFFFF:FFFFFFFF:FF,FFF,FF:FF,FFFFFFFFFFFFFFFF
FFF::FFFF:,F,FFFF,FFFFFFFF,FFFFFFFF,FF:F:FFF

@A00721:190:HGJW7DSXY:4:2108:18448:3004_1:N:0:TCTGCAAG+GCTGCACT
ATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCTTTGGTAATTGTATGATCACTT
TGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTGTTGTCGCTGGGGACGATTCC
ATT

+

FFFFFFFFF,FFF::FFFFFFFF:FFF:FFFFFFFF:F:FF:FFFFFFFFFFFFFFFF
FFFFFFFFF:F:FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2414:8133:21433_2:N:0:TCTGCAAG+GCTGCACT
AAGATCAAATTTAAACGATTCCGAGAGGTTTATCTGATGTGGAGGGAGTTCTTGAAGCATCCCGAC
CTTTCCTTGTAAGATTTTATGATGCGGTTTCATAAGATTATCAGTAATC

+

FFFFFFFF:FFFF:FFFF,FFFFFFFF:FFFFFFFF:FFF,FFFFFFFFFFFFF,F::
FFFF:FFF:FFFF:FFF:FFFFFFFFF:F:FF:FFF:FFF

@A00721:190:HGJW7DSXY:4:2414:15013:34726_2:N:0:TCTGCAAG+GCTGCACT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAAG
CTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTG

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFF

@A00721:190:HGJW7DSXY:4:2561:14163:33536_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTT
TGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2421:30599:23703_2:N:0:TCTGCAAG+GCTGCACT
CGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTGAATAGTAGCCACCCGCCTTACAGAGGGG

CAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTAC
+
FFFFFFFF,F:FFFF:FFFFFFFF:FFFFFF:FF,FFFFFFFF:FFF,FFFFFFFFFFFFFFFF:::,
FFFF:FFFF::FFFF:::FFFF::FFFFFF,:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2407:24080:21402_2:N:0:TCTGCAAG+GCTGCACT
AATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTCTAATAA
TGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTA
+
FFFFFFFFFFFFFFFFFFFF,FF
FFFFF:FFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFF::FFF
@A00721:190:HGJW7DSXY:4:2673:2745:21590_2:N:0:TCTGCAAG+GCTGCACT
TACGATGTCGTCTGTCTCGCGATCACTTTTCTACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACT
TCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGGTTGTTAG
+
FF:FFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2526:16767:34162_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACACAGAGGAACGTACCGGATTACCTGTCTTTTCAT
+
FF:FFFFFFFFFFFFFFFFFFFF
FF:FFFF
@A00721:190:HGJW7DSXY:4:2620:26467:23563_1:N:0:TCTGCAAG+GCTGCACT
TTCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTAC
GTTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGAT
GAA
+
FFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFF:FFFF:FFFF:FFFF:FFFFFFFFFFFFFFFFFFFF:F
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFF:FFFF:F:FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1323:29098:31031_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGG
TTTCTGTACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTC
+
FF:FFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1351:16613:4586_1:N:0:TCTGCAAG+GCTGCACT
AGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTAC
TCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCG
CTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2336:6686:8656_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTA
TCGTTCAAGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGA
TAA
+
FFFFFFF:F:FFF:FF:FFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1255:30879:35023_1:N:0:TCTGCAAG+GCTGCACT
CAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCTCTTTAATGG

@A00721:190:HGJW7DSXY:4:2441:8196:25770_2:N:0:TCTGCAAG+GCTGCACT
TTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACTAGCCTTCA
AGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTGC

+

FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2566:19009:27242_2:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFF::,F:FF,F,F,FFFFFF:FFF:F:FFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF,FF,FFF,F:FFFFFF:FF:

@A00721:190:HGJW7DSXY:4:2244:30798:14465_1:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACGTTGCAGATCGCCACT
CCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATACTTTTGTACCAAATTCTTGGC
TTT

+

FFF::FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:1208:27579:26490_1:N:0:TCTGCAAG+GCTGCACT
ATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACC
TTTACTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTACAATAGTTAATATCATATTAG
TAA

+

FFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2347:24578:1251_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTTAAAGGATGAGTACGAAAACCACTCTTCGTTACGAGACCTGATGGTAG
AATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACAC
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2547:29071:22905_1:N:0:TCTGCAAG+GCTGCACT
TTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTT
CTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTA
TGT

+

FFFFFFFFFFFF,FF:FFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1267:9362:35117_2:N:0:TCTGCAAG+GCTGCACT
GATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTC
AAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2443:29396:16172_2:N:0:TCTGCAAG+GCTGCACT
ATTTGACAAATTTTGAACCTTTATTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGA
TCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGA

+

FF
FFF,FF

@A00721:190:HGJW7DSXY:4:2175:15573:6950_1:N:0:TCTGCAAG+GCTGCACT
TTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTAC
TTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGA
TTA

+

FF
FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2562:11867:10645_1:N:0:TCTGCAAG+GCTGCACT
GGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAA
ACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACCTT
ACA

+

FFFFFF:FF
FFFFFFFFFFFFFFFFFFFF,FF:FFFF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2259:21513:2487_2:N:0:TCTGCAAG+GCTGCACT
CAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCA
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTA

+

FF
FFFFFFFFFFFF:FFFF:FFFFFF:F,FF,FFFF,FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1311:23493:14810_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC
GCC

+

FFFFF:FFFFFFFFFFFF:FF:FFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2174:19117:8077_2:N:0:TCTGCAAG+GCTGCACT
ACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAGGGACCCG
CTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTG

+

,FFFFFFFFFFFF:FF
F:FFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2478:26332:15906_2:N:0:TCTGCAAG+GCTGCACT
CCCGTCATCTCTGTGGGAAGTACCTCAGTCAAAAAGTCACATTCACCACTCCCATACCAAT
CAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2430:27832:25300_1:N:0:TCTGCAAG+GCTGCACT
ATCTAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAG
TCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCA
GGA

+

FF:FFFFFF:FF:FFFFFFFFF:FFFFFFFFFFFFFF
FF:FFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2369:8684:31626_2:N:0:TCTGCAAG+GCTGCACT
ACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGCGCTGCTACGAAGTCGCTGAAGG

CGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1142:12798:10410_1:N:0:TCTGCAAG+GCTGCACT
TACAGTAGGTTCTGCTACTATGAGCAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2363:13702:33614_1:N:0:TCTGCAAG+GCTGCACT
CAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGG
ACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTACCCTTAAGCACCGAGGTAAGCTCGGG
ACT

+

F:,FFF:FFFFFF,FFFFFFFFFF,FFFFFFFFF,F,F:F:FFFFFF,FFF:F:FF:FF,FF:FFF:F:F
:FFFFFFFFF,FFFFFFFFF:,FF:FFFFFFFF:F:FFFFFF,FFFFFFF,FFFFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1273:25409:17942_1:N:0:TCTGCAAG+GCTGCACT
TAGAAGGAAGTTGGGCAAATCCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTCCTT
TCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTT
TCA

+

FF:F:FFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2327:25590:13056_1:N:0:TCTGCAAG+GCTGCACT
TGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATT
AAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAG
GAA

+

FF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1368:11849:23046_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGT

+

FF
FFF,FFF,FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2148:26982:7513_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGTAACCTTACCATATTGTTCCCTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTC
CGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT

+

F:FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFF,FFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1560:13910:29183_2:N:0:TCTGCAAG+GCTGCACT
ATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTAT
GATTCAAAACAGATCGGAAGAGCGTCGTGTAGGGAAGAGTGTAGTGG

+

FFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFF:FFF:FFFF:FFF:FF:F,FFFF:,FFFFFFFF:FF,

@A00721:190:HGJW7DSXY:4:1508:11071:25426_2:N:0:TCTGCAAG+GCTGCACT
GCGATATTCGTTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTG
AAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACC

+

FF
F,:FFF:

@A00721:190:HGJW7DSXY:4:2138:11586:6057_2:N:0:TCTGCAAG+GCTGCACT
TACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTC
TCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATG

+

FF
FFF:FFFFF

@A00721:190:HGJW7DSXY:4:1641:16161:35775_1:N:0:TCTGCAAG+GCTGCACT
CCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTTCCTCAATAAAAATTTTCT
CAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTAGTACGTCATGGGGATCACTTCTTC
GGT

+

FF
FFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1245:20699:17206_1:N:0:TCTGCAAG+GCTGCACT
CGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCACC
AAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAG
AAG

+

:FFFF:FF
F:FFFFFFFFFFFFF:FFF,FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2544:9299:4539_2:N:0:TCTGCAAG+GCTGCACT
TAACGTTAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACG
GTGACTTTATGGACAAGATGCAAGTTCTTGGAATACTTGTTTCCCT

+

FF
FFF

@A00721:190:HGJW7DSXY:4:1350:10619:6198_2:N:0:TCTGCAAG+GCTGCACT
AACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAG
AACACGTCAAGAAGTCGCTCGGCGTTGTTCTTTAAAACCAAGTTAAGA

+

FF
FFF,FFFF:FFFF:FFFF

@A00721:190:HGJW7DSXY:4:2264:3305:36245_2:N:0:TCTGCAAG+GCTGCACT
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTT
GAATGTTGTAAAGAATTGGGTTGAGAAGCGTGCAGATCGGAAGAGCGT

+

FF
FFF,FFFF:FFFF:FFFF

@A00721:190:HGJW7DSXY:4:1637:7211:6120_2:N:0:TCTGCAAG+GCTGCACT
TGCGGATGGGTCTACTGATTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACCCTTTTGAAA
GGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGG

+

FF
:FFFFFFFFFFFF:FFFF,,:FFFF:FF:FFF:FF:FFFF:FFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2264:15899:28369_2:N:0:TCTGCAAG+GCTGCACT
TTAAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGG

@A00721:190:HGJW7DSXY:4:2554:16468:3521_1:N:0:TCTGCAAG+GCTGCACT
ACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATC
TCCAAGTCGCAAACACTTCAACATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTC
AGT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2525:18041:7780_2:N:0:TCTGCAAG+GCTGCACT
ACGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTG
ACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCT

+
FF
FF

@A00721:190:HGJW7DSXY:4:1148:26404:34976_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGCGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG

+
FFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2131:19000:36777_1:N:0:TCTGCAAG+GCTGCACT
ATTTACCACCTTTGCTCAACGACGAAGTGGAACGGCCAACACTTTCTTTGGTAATTGTATGATCACTT
TGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCC
ATT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2414:8684:21762_2:N:0:TCTGCAAG+GCTGCACT
AAGATCAAATTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGAC
CTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATC

+
FFFFFFFFFFFFFFFFFFFF:F::F:FF:F:FFFFFFFF:FFFFF:F:FFFFFFFF,FFFFF::, :FFFF::FF
:FFFFFFFF:FFFFFF::, FFFFF, FFFFFFFFFF, FFFFFFFFFF, FFF

@A00721:190:HGJW7DSXY:4:2440:11794:31031_2:N:0:TCTGCAAG+GCTGCACT
GATATTGTTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAAG
CTCCCTCCTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTG

+
FF
FF:FFFFF

@A00721:190:HGJW7DSXY:4:2571:26115:2816_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTT
TGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTC

+
, FF
FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2536:4300:9157_2:N:0:TCTGCAAG+GCTGCACT
CGCACTAAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGG
CAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTAC

+
FFFFFFFFF, FFFFFFFFFF:FFFF:FFFFFF:, FFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2407:24080:21433_2:N:0:TCTGCAAG+GCTGCACT
AATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAA

@A00721:190:HGJW7DSXY:4:2608:5864:27305_2:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTGCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGC

+

FF:FFFF,FFFFFFFF:FFFFFFFF,FFF:FFFFFFFF:FF
F,FFFFFFFF::,FF:FFFF:,FFF,FF:F,FFF:F:FFF:FF:FFF

@A00721:190:HGJW7DSXY:4:2308:19877:8609_1:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACT
CCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTACCAAATTCCTGGC
TTT

+

:FFFFFFFFFFFF:FF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1208:27896:26757_1:N:0:TCTGCAAG+GCTGCACT
ATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCCGAACAACC
TTTACTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAG
TAA

+

FF:FFFFFFFFFFFFFFFFFFFF
F:F:FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1143:30400:23672_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGA
ATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACAG
AA

+

:F,FFF::F:FFFFFF,FF,FFF,F:F,FFF:::F,FF::FFFFFF:FFF:F:F:F,FFFF:FFFF
:FF:FFFFFF,FFF,FF,FFFFFFFF:F::F:FFFF:F,FFFFFFFF:FFF,::,:::FFF:FFF:, ,
FF

@A00721:190:HGJW7DSXY:4:2625:11722:23359_1:N:0:TCTGCAAG+GCTGCACT
TTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTT
CTTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTA
TGT

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1270:25138:10676_2:N:0:TCTGCAAG+GCTGCACT
GATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTC
AAATGAGGTCAAAGCTCTATTTATTAAACGAACATTATCCGATTCTT

+

FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2528:31232:8265_2:N:0:TCTGCAAG+GCTGCACT
ATTTGACAAATTTTAGAACTTTATTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGA
TCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGA

+

FF,FF,FFFFFFFFFFFF:FFFF
FFFFFFFFFFFF,FFFFFFFF,FFFFFFFFFFFFFFFF,FFF:FFF

@A00721:190:HGJW7DSXY:4:2230:13937:3646_1:N:0:TCTGCAAG+GCTGCACT
TTTATCAAAGATTTGGCTTGGTCTATTTACCGAAAAAGTTGGAAGAGGTCTATGATATTTATTTTAC
TTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGA
TTA

+
FFFFFFFFF,:FFFF:FF,FFFF::FF,F,FFF:F,FFFF,FFFFFFFFFFFF:FFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2130:17083:4742_1:N:0:TCTGCAAG+GCTGCACT
GTGAACACGTCTGTAGCATTGATTTAAATTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAA
CCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACTTTA
CA

+
FFF:F:FFF:,,FF,F,FFFFFFFF:,,,F:FF,FFFF,F,,FFFFF::F,FF,,FFFF,FF:F,,FF
F:FFFF,,FFFFFF:F:FFFF::,,FFFFFF:F,FFFFFF::F,F,FFFFFF:FF,FFFF,FFFF
:F

@A00721:190:HGJW7DSXY:4:2307:26738:2456_2:N:0:TCTGCAAG+GCTGCACT
CAAATAGAACCTTCACTCTCGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCA
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTA

+
FF:FFFFF
FF

@A00721:190:HGJW7DSXY:4:1332:29948:36855_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACT
GCC

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2206:29875:27837_2:N:0:TCTGCAAG+GCTGCACT
ACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAGGGACCCG
CTGTGCAGAATAACCTTCCCAATCTAGATCTGCACAGAAGAAGGCTG

+
FFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFF:F::FFFFFFFFF
FFFFFFFFFF,FF:FF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1509:19470:10222_1:N:0:TCTGCAAG+GCTGCACT
CATCTCTGTGGGAAGTGAAGGAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATGCCAATCAATG
ATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCC
TCC

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2415:17987:6245_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCAT

+
F:,FFFFFFFFF,FF,FFF:FFFFFFFF:FFFFFF:,F:F:FF:F:,FFFFFF:F,FF:FF:F:FFFFF
FFF,F::FFFF:FF,FFFF,FFFFFFFF:FFFFFF,FFF:FFF:FFF

@A00721:190:HGJW7DSXY:4:2547:19660:6292_2:N:0:TCTGCAAG+GCTGCACT
ACCATCTGGGGTTGGGAATAAGAAATCTGCACGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGG
CGGCTTGGGTCATTAAGGCTAGCTGTAAAGTTGCGCCTGCCGACCCCA

+
FF
FF

@A00721:190:HGJW7DSXY:4:1369:20636:3129_1:N:0:TCTGCAAG+GCTGCACT
TACAGTAGGTTCTGTCCTACTATGAGCAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACT

TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2406:13711:12587_1:N:0:TCTGCAAG+GCTGCACT
CAACGGCGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGG
ACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCCTTAAGCACCGAGGTAAGCTCGGG
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1433:4372:3959_1:N:0:TCTGCAAG+GCTGCACT
TAGAAGGAAGTTGGGCAAATCCCACATATGGTAGACGTTGTCACACTTTTCTTGAAAATTTTCTT
TCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTT
TCA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2327:25988:13369_1:N:0:TCTGCAAG+GCTGCACT
TGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATT
AAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAAACTTCGTCAGAAGATGAG
GAA

+

FFFFFFFFFFF:FFFFFFFFFFF:FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1504:12861:14027_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2214:8440:21245_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGGTAACCTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTC
CGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1101:4255:9893_1:N:0:TCTGCAAG+GCTGCACT
TTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATG
ATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAG
TTT

+

FF:FFFFFFF:FF,:FFFF,FFFFFFF,FFFFFFF,FF:FFFFFFFFF,FFFF,,F,FFFFFFF:F:
FF:FFFFF,FFFF:FFF:F:FFFF:FF:FFFF:FFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFF,FFF
F,F

@A00721:190:HGJW7DSXY:4:1620:22281:28244_2:N:0:TCTGCAAG+GCTGCACT
GCGATATTCTGTTTTTCATATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTG
AAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACC

+

FF
FF
@A00721:190:HGJW7DSXY:4:2176:20419:2190_2:N:0:TCTGCAAG+GCTGCACT
TACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTC
TCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2210:23122:22185_1:N:0:TCTGCAAG+GCTGCACT
CCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTGTTCTCAATAAAAATTTTCT
CAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTAGTACGTCATGGGGATCACTTCTTC
GGT
+
FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF
FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1336:8865:32346_1:N:0:TCTGCAAG+GCTGCACT
CGAATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCTCGGGGAAAGTGATTCACC
AAGATGTTTATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAG
AAG
+
FFFF:FFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF,FFFF,FF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1325:11107:24768_2:N:0:TCTGCAAG+GCTGCACT
TAGTACCGGAGGTGATCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACT
TTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAG
+
FF
F:FF
@A00721:190:HGJW7DSXY:4:1350:11740:7263_2:N:0:TCTGCAAG+GCTGCACT
AACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAG
AACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGA
+
FF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2265:2546:31548_2:N:0:TCTGCAAG+GCTGCACT
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTT
GAATGTTGTAAAGAATTGGGTTGAGAAGCGTGCAGATCGGAAGAGCGT
+
FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F
FFFFFFFF:FFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFF::FFFF:
@A00721:190:HGJW7DSXY:4:2114:25907:21590_2:N:0:TCTGCAAG+GCTGCACT
TGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTTCAACACTTATCACCCTTTTGAAA
GGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGG
+
FF:FF,FF:FF,,F:FFF,FFF:FFF
:FFFFFFFF:F,FF:F:,FFFF,F:FFFF:FF:FF:FFFF,FFFF,F
@A00721:190:HGJW7DSXY:4:2433:31403:26162_2:N:0:TCTGCAAG+GCTGCACT
TAAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGAATAGCCACAGACTTTCTGGG
AAAAGAGACCTCTGTTGTAGAGGAGTTGAGAGAATTACTCAGATTCAA
+
:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFF
F,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFF

[illegible]

@A00721:190:HGJW7DSXY:4:1371:15049:23610_1:N:0:TCTGCAAG+GCTGCACT
TCGGCGATCACTTTTCACTAAGAATTGGTCCTACTTTTGGACAAGGCAACTTCGTAATCTTCATGAG
ATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGG
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1561:14262:16266_2:N:0:TCTGCAAG+GCTGCACT
GTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACC
TGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1413:9995:35994_1:N:0:TCTGCAAG+GCTGCACT
TCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTACG
TTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATG
AAG

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1537:14769:25598_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGG
TTTCTGTAAATGGAAAACCCTCGTCAATACTTTTCAATAATATACGTC

+

FFFFF:FFFFFF,FF:F,FF:FFFF,FFFFFFFFF:FFFF:FFF:FFFFFFFFF:F::FFFF,::F
FFFFFFFFF:,F,,FFFF,::F,FF:FFFF,FFFFFFFF:FFFFFFFF:F,

@A00721:190:HGJW7DSXY:4:1624:14371:31297_1:N:0:TCTGCAAG+GCTGCACT
AGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTAC
TCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCG
CTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2457:29008:23766_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTA
TCGTTACAGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGA
TAA

+

::FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2362:1796:22200_1:N:0:TCTGCAAG+GCTGCACT
CAAAATCTTACCACTATCTACGAACCTACAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGG
CACTACCTCGGTACAATCTTACTTGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAAT
GTT

+

FF,::,FF,:FF,F,F:F:,F,F:FF,F,F:F,F:F,FFFFFF:FFFF,FFF,FFFFFF:FFF,FFF
FFFF,FFFF::FFFF:F,FFF:F:FF
FFF

@A00721:190:HGJW7DSXY:4:2320:8404:1423_2:N:0:TCTGCAAG+GCTGCACT
ACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATCTGGT

TGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCCTCTCTTCTACG
+
FF
FF:
@A00721:190:HGJW7DSXY:4:2578:30689:26804_2:N:0:TCTGCAAG+GCTGCACT
CCTTGGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAG
AAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTA
+
FF
FF:
@A00721:190:HGJW7DSXY:4:2608:6343:32894_2:N:0:TCTGCAAG+GCTGCACT
AGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACAT
TTTATCGTGGGCTTTCCGTCAAGGAAGATCTGTTATCGACGGTTTATC
+
:FF,FFF,FFFF
FFF:FF
@A00721:190:HGJW7DSXY:4:1530:24867:22576_2:N:0:TCTGCAAG+GCTGCACT
CTAAAGATTGAAGGAAAAATTTATCCTCGTTTAACTTACTTAGACTTTCTACGATACAAATGATAAC
TTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGAT
+
FF:FFFF:FFFFFF
FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1644:20103:34773_1:N:0:TCTGCAAG+GCTGCACT
GCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGC
ATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGC
TGA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1644:22381:19680_2:N:0:TCTGCAAG+GCTGCACT
CTTATAATGAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTC
GAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGT
+
FFFFFFFFF,FF
FF
@A00721:190:HGJW7DSXY:4:1444:10447:30608_1:N:0:TCTGCAAG+GCTGCACT
ACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTACCCAAAATGAAGGACACTTCGAAACTGAA
TAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATATC
CAG
+
F:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2641:16514:4163_2:N:0:TCTGCAAG+GCTGCACT
TTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACTAGCCTTCA
AGTGGGGTATGCCTGCGGAATACGCTTGCTATTACACGATTGGTTTCG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2639:12527:3082_2:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGC
+

$+$

@A00721:190:HGJW7DSXY:4:2362:15456:29543_2:N:0:TCTGCAAG+GCTGCACT
TTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGT
ATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTAT

+

@A00721:190:HGJW7DSXY:4:1342:26621:10300_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTC AATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAATGTGTGCGCGGAAGGAATCTTAATTGTTTGAAGCTAGGCGTTGGGGAGAATGAACT
GCC

+

@A00721:190:HGJW7DSXY:4:2518:12852:7780_2:N:0:TCTGCAAG+GCTGCACT
ACGTAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCG
CTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTG

+

@A00721:190:HGJW7DSXY:4:2246:28836:8312_1:N:0:TCTGCAAG+GCTGCACT
CATCTCTGTGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATGCCAATCAATG
ATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCC
TCC

+

@A00721:190:HGJW7DSXY:4:2455:26738:12821_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCAT

+

@A00721:190:HGJW7DSXY:4:2561:17038:15186_2:N:0:TCTGCAAG+GCTGCACT
GGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTG
GGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGA

+

@A00721:190:HGJW7DSXY:4:1407:7003:22326_1:N:0:TCTGCAAG+GCTGCACT
TACAGTAGGTTCTGTCCTACTATGAGCAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTT

+

```

FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F:F,:FFFFFF:FFFFFF:FFFFFF:FFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:

```


@A00721:190:HGJW7DSXY:4:1106:28058:23218_2:N:0:TCTGCAAG+GCTGCACT
CGTTTGGAGGATTTTATCCGCGCTTAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAG
GTTGGCATATTTATGCCGACGATAATAAGCATGTACCCCTTAAGCACC

+

FF:FF
FF

@A00721:190:HGJW7DSXY:4:2353:12057:31203_1:N:0:TCTGCAAG+GCTGCACT
CAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGACTGATGAGG
TTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTTCTGGGAGGCTGCTTTC
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2553:28727:7153_1:N:0:TCTGCAAG+GCTGCACT
TAGAAGGAAGTTGGGCAAATCCCACATATGGTAGACGTTGTCACACTTTTCTTGAATTTTTCTT
TCCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTT
TCA

+

FFFFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2508:3016:27038_1:N:0:TCTGCAAG+GCTGCACT
TGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATT
AAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAG
GAA

+

FFFF:F:FFFF::FFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFF::FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1504:18005:9846_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTACCCTTCCTAAGGTGGATGAGGGAGGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2336:32560:35524_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGTAACCTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTC
CGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGAGATCGGAA

+

FF
FFFFFFFFFFFF, ,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1117:23764:30279_1:N:0:TCTGCAAG+GCTGCACT
TTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATG
ATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAG
TTT

+

FF:FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2166:7627:15045_2:N:0:TCTGCAAG+GCTGCACT
GCGATATTCTGTTTTCATATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTG
AAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACC

+

[illegible]

@A00721:190:HGJW7DSXY:4:2445:1217:11021_2:N:0:TCTGCAAG+GCTGCACT
AATACCTTCCACTGAGTTCATCACCAGAGTTTCGACGTCGCGAAAACGATGAAGATTTCCACACTG
TTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTT

+

FFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2308:18304:10363_2:N:0:TCTGCAAG+GCTGCACT
GTATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGAC
GTCATTACAGTCTGGAAGTTAGATCATTTGTTTCAGGAAGATCTCTACA

+

FFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1129:17861:23782_2:N:0:TCTGCAAG+GCTGCACT
TAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGAGAGTCCAGGAACCTTTACTC
CTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAG

+

FFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1443:25509:34240_1:N:0:TCTGCAAG+GCTGCACT
TAAACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTTCGGGCTG
TGGGGATTAACCTCCCTCGTGAACTTACGACGATGTTCTCGCTCGCATTTCACAAGGATTACTAAGT
CT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF:F
FF

@A00721:190:HGJW7DSXY:4:2545:30879:35023_2:N:0:TCTGCAAG+GCTGCACT
ATTTTAGTAACTTAGCGAAAAGAAAGTACATGAGGATGACTTGGTCGAAAAATATCGCCGGGAACCT
ATAATAGAGGCTCCTGATGACATTATTTCAAACATAACGATCTCAGT

+

F,FF,:F,F:F,,FFFFFFFF,FFFF,,:F,,,,F,,,F,F:F:FFFFFFFF,FFF,F,FFFF:F,
,FFF,F,FF,,FF,,FFF,FFF,FF,,,FFF,,,:F::FFFFFF,F,F

@A00721:190:HGJW7DSXY:4:2155:23845:12132_1:N:0:TCTGCAAG+GCTGCACT
CGTCTCAGGAAGTGTCTCCACTGATTTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCT
CTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGT
GTT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1357:15863:1438_1:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTTCATGATTACGCTGGTCAGACC
CTT

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2151:12933:28244_1:N:0:TCTGCAAG+GCTGCACT
TTTATGCGGATTATACCATAGTTACGTTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTC
CAAGTCGCAAACACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAG
T

+

:F,F,,FF:, ,FFFF,F,F:FFFF::F,F,,FFFF,,FFFFFFFF:FFFF,F,FF,FFF:FFFFFF

F

A

+

F

C

F

F

A

F

F

G

F

F

C

F

F

G

F

■

A

F

F

@A00721:190:HGJW7DSXY:4:1178:21169:31015_2:N:0:TCTGCAAG+GCTGCACT
GAAGTTTTAATGCTTAACAACAAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGA
TGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGG

[illegible]

@A00721:190:HGJW7DSXY:4:1553:13268:8249_1:N:0:TCTGCAAG+GCTGCACT
TCGCGCATCACTTTTCACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAG
ATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGG
TTT

[illegible]

@A00721:190:HGJW7DSXY:4:1576:10122:31328_2:N:0:TCTGCAAG+GCTGCACT
GTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACC
TGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGAT

[illegible]

@A00721:190:HGJW7DSXY:4:1531:1081:19272_1:N:0:TCTGCAAG+GCTGCACT
TCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACG
TTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATG
AAG

```

FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF,FFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

@A00721:190:HGJW7DSXY:4:1666:9706:6934_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAAGTTTCACAACTGAAGGAGGAGG
TTTCTGTTACTGGAAAACCTCGTCAATACTTTTTCAATAATATACGTC

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:2135:5312:23124_1:N:0:TCTGCAAG+GCTGCACT
AGTGGCATTCAAGGCAAACTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTAC
TCTTGCTGAAACAGCTATTAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCG
CTG

[illegible]

@A00721:190:HGJW7DSXY:4:2568:24939:11866_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTA
TCGTTCAAGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGA
TAA

[illegible]

@A00721:190:HGJW7DSXY:4:2434:9706:21934_1:N:0:TCTGCAAG+GCTGCACT
CAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGG
CACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAAT
GTT

+
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF: , FFFFFFF:FFFFFF
FF:F, FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2605:5791:27492_2:N:0:TCTGCAAG+GCTGCACT
ACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATATGATTTGATCTGGT
TGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGGCCTCTCTTCTACG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2675:26567:30091_2:N:0:TCTGCAAG+GCTGCACT
CCTTGGAATTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAG
AAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2629:11080:24502_2:N:0:TCTGCAAG+GCTGCACT
AGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACAT
TTTATCGTGGGCTTTCGTAAAGGAAGATCTGTTATCGACGTTTATC
+
FF: FFFFFFF: ,
FF: FFFFFFFFFFFFF:F: FFFF: FFFFFFFFF: FFFFFFFFF: FFFF
@A00721:190:HGJW7DSXY:4:2307:10484:17581_2:N:0:TCTGCAAG+GCTGCACT
CTAAAGATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTTCTACGATACAAATGATAAC
TTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGAT
+
FF:F: FFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF, F: FFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1668:21576:22983_1:N:0:TCTGCAAG+GCTGCACT
GCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGC
ATCTCGTGTGCGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGC
TGA
+
FF
FFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1661:23167:14309_2:N:0:TCTGCAAG+GCTGCACT
CTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTC
GAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGT
+
FF
FFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2133:31602:34835_1:N:0:TCTGCAAG+GCTGCACT
ACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAA
TAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATATC
CAG
+
FF: FFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2663:29197:9283_2:N:0:TCTGCAAG+GCTGCACT
TTCGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAGCCTTCA
AGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTTCG
+

FF:FFFFF:FFFFFFFFFFFFFF
FFFFFFFFF,FF,FFF,FFFFFF
@A00721:190:HGJW7DSXY:4:1254:5620:23062_1:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCTGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATT
ATT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFF:FFFFF,FFFFFFFFFF:FF:FFFFFFFFF,FFF:FFFF:F:,FFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2532:26449:4304_1:N:0:TCTGCAAG+GCTGCACT
ATCCTTTAAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACT
CCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTACCAAATTCTTGGC
TTT
+
FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2228:12038:32174_1:N:0:TCTGCAAG+GCTGCACT
ATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACC
TTTACTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTACAATAGTTAATATCATATTAG
TAA
+
FFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1256:20473:18161_2:N:0:TCTGCAAG+GCTGCACT
AGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAG
ATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTC
+
FFFF,FFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2537:29839:27398_2:N:0:TCTGCAAG+GCTGCACT
TCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATC
CTGCCTTTACTCATTTTATAGCAGAGATCGGAAGAGCGTCGTGTAGGG
+
FF:FFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1270:26729:11271_2:N:0:TCTGCAAG+GCTGCACT
GATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTC
AAATGAGGTCAAAGCTCTATTTATTAAACGAACATTATCCGATTCTT
+
FF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:F,FFFFFFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1249:21052:16344_2:N:0:TCTGCAAG+GCTGCACT
TTTCGACAAATTTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGAT
CTTTTCAATAAGATGTATGATGATAATCTACTATTTTAAATAGTGAT
+
FFFFFFFF:FF:FFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFF
@A00721:190:HGJW7DSXY:4:2467:18674:31735_1:N:0:TCTGCAAG+GCTGCACT
TTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTAC
TTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGA
TTA

+
FFFFFFFFFFFFFFFF:FFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2534:17978:2284_2:N:0:TCTGCAAG+GCTGCACT
CGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAA
GTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAATACTTCAAG
+
FF
FF:FFFFFF
@A00721:190:HGJW7DSXY:4:1122:26539:8876_1:N:0:TCTGCAAG+GCTGCACT
TTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGT
ATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAG
CAA
+
FFFFFFFFF:FF,FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1362:6750:2597_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGT
GCC
+
FFF:FFFFFFFF:FF
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1446:2691:36182_1:N:0:TCTGCAAG+GCTGCACT
TAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACAGGGACCCGCTG
TGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACT
CAA
+
FFFFFFFFF,FFFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2260:17969:30044_1:N:0:TCTGCAAG+GCTGCACT
CATCTCTGTGGGAAGTGAAGGAGTACCTCAGTCAAAAGTCACATTCACTACTCCCATGCCAATCAATG
ATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCC
TCC
+
FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2535:32099:24236_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCAT
+
FF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1472:11822:31892_1:N:0:TCTGCAAG+GCTGCACT
AAATCTGCACGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCAATTAAGGGTAG
CTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTA
TGA
+
FFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF

FF
FFF

@A00721:190:HGJW7DSXY:4:2406:18783:34178_2:N:0:TCTGCAAG+GCTGCACT
GCGATATTCGTTTTCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTG
AAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACC

+
FFF,FFFFFFFF,FFFF
F,FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2403:32316:19257_2:N:0:TCTGCAAG+GCTGCACT
TACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTC
TCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATG

+
FFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFF:::FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2439:16550:4257_1:N:0:TCTGCAAG+GCTGCACT
CCAATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTTCTCAATAAAAATTTTTCT
CAAGAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTC
GGT

+
FFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1407:24334:30358_1:N:0:TCTGCAAG+GCTGCACT
CGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCC
AAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAG
AAG

+
:FF::FFF
FFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1431:16812:26099_2:N:0:TCTGCAAG+GCTGCACT
TAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACT
TTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTTCCCTTTTTTAG

+
FFF:FFFFFFFFFFFFFFF,F
FFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2345:32805:2942_2:N:0:TCTGCAAG+GCTGCACT
AACTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAG
AACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGA

+
FFFFFFFFFFFFFFFFFFFFF:,FFFF:FFFF,F:FFFFFFFFFFFFFFFFFFFFF:F:FFF:FFFF,FFFFFFF
:FFF,FF:,F:F:FFFFF

@A00721:190:HGJW7DSXY:4:2370:8504:23109_2:N:0:TCTGCAAG+GCTGCACT
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTT
GAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAG

+
FFF:FFF
FFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2464:4670:13557_2:N:0:TCTGCAAG+GCTGCACT
TGCGGATGGGTCTACTGATGTTTTCTACAGAGTGCAGTCGTTCAACACTTATCACCCTTTTGAAA
GGAAAATAATTGGTGATGAAAATACGTATGTGCGGTGGGGTTCTCAAGG

+
FFF:F:FFFFFFFFF:FFFF:F:
FFFFFFF:F:F:FF:F:F:FFFFFFFFF::FF:FFF:FFFFFFF:F:FF:F

@A00721:190:HGJW7DSXY:4:2602:31629:13213_2:N:0:TCTGCAAG+GCTGCACT
TAAAACTTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGG
AAAAGAGACCTCTGTTGTAGAGGAGTTGAGAGAATTACTCAGATTCAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2532:7862:13009_2:N:0:TCTGCAAG+GCTGCACT
AATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAACGATGAAGATTTCCACACTG
TTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTTTTCGGAAGTTT

+

FF
FFF:FF

@A00721:190:HGJW7DSXY:4:2506:18276:20243_2:N:0:TCTGCAAG+GCTGCACT
GTATGTGTACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCTGCTTAC
GTCATTACAGTCTGGAAGTTAGATCATTTGTTTCAGGAAGATCTCTACA

+

F:FFFFF:FFFFFFFFFFFF:FF:FFFFFFFFF:,FFFFFFFFFFFF
FF,FFFFFFFF:FF,F:FFFFFFFFFFFF:F:FF:FFFF:FFF,FFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1372:30454:7545_2:N:0:TCTGCAAG+GCTGCACT
TAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGAGGTCCAGGAACCTTTACTC
CTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1632:32786:20134_2:N:0:TCTGCAAG+GCTGCACT
ACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTTCGGGCTGTGG
GGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTT

+

:FFFFFFFFFFFFFFFFF:,FF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1335:10719:17143_2:N:0:TCTGCAAG+GCTGCACT
TAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGGAAAAGAAAGTTCATGAGGATGTCTTG
GTCGAAAAATATCGCCGGAACCTTCTAATAGAGGATCCTGATGACATT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2630:3649:10692_1:N:0:TCTGCAAG+GCTGCACT
TACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAG
ACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGAT
AAT

+

FFFF:FFFF,FFFFFF:F:FFFF,FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FF::FF
FFFFFFFFFFFFFFF:FFF:FFFFFF:FF
F:F

@A00721:190:HGJW7DSXY:4:1405:18050:12994_2:N:0:TCTGCAAG+GCTGCACT
TCAAAAGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGT
TGAAGAGAAAACCTGATATGGTTGCGGCTGATCGTACCCCAATTCTCTGC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1636:23610:7122_1:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTTCATGATTCACGCTGGTCAGACC
CTT

[illegible]

@A00721:190:HGJW7DSXY:4:1329:23746:20541_1:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTT
TGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTCTCTTTGAGTTCACTCGTAAG
GAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1372:6497:34100_1:N:0:TCTGCAAG+GCTGCACT
CGGCATACGAGATCTTGACAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCAGAGGGCAGCA
GCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAA
GTT

+

F::FFFFFF,FFFF,FFF
FFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2361:31494:6183_2:N:0:TCTGCAAG+GCTGCACT
CTACAATCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGAT
GGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGG

+

FFF:FFFFFFFFFFFFFFF
FFFFF:FFF

@A00721:190:HGJW7DSXY:4:2468:31394:15749_1:N:0:TCTGCAAG+GCTGCACT
TCGGCGATCACTTTTCACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAG
ATCGTTTCTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGG
TTT

+

FFF:FFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1634:26115:6762_2:N:0:TCTGCAAG+GCTGCACT
GTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACC
TGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGAT

+

FFFFFF:FFF:FFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFF:FFF::FFFF

@A00721:190:HGJW7DSXY:4:1543:20057:8202_1:N:0:TCTGCAAG+GCTGCACT
TCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACG
TTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTTGGAGGTCGTGACGTTGATG
AAG

+

FF,FFFFFFFFF:FFF,FFFF:FFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2129:25066:29716_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAACTTTCAGTTTCACAACTGAAGGAGGAGG
TTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTC

+

FFF
FFF:FFFFF

@A00721:190:HGJW7DSXY:4:2328:1732:13823_1:N:0:TCTGCAAG+GCTGCACT
AGTGGCATTCAAGGCAAACCTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTAC
TCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCG
CTG

[illegible]

@A00721:190:HGJW7DSXY:4:2232:30915:10598_1:N:0:TCTGCAAG+GCTGCACT
ACCAACATTAAGGCGGCGGCTACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAA
TAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATATC
CAG

+

FFFFF,FFFFFFFFF:,F,F,FF,FFF:FFF,,F:FFFF:FF,FF:F:FFF:FFFFF,FFFFF:FF
FF:F,FFF,F:FF,F:FF:,F,FFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1214:8323:34632_1:N:0:TCTGCAAG+GCTGCACT
CGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATCTTTTGATACAACCTAGCCTTCAAG
TGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGA
AGA

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1172:20175:3333_2:N:0:TCTGCAAG+GCTGCACT
TGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGTTTTGAA
TTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTT

+

FFF:FFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1354:7600:17378_2:N:0:TCTGCAAG+GCTGCACT
AAGGACTATGTTGACTGACGAAGATTTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACA
CTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTA

+

FFF
FFFFFFFF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1359:11749:31203_2:N:0:TCTGCAAG+GCTGCACT
GAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACG
TCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTC

+

FFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1545:9751:30874_2:N:0:TCTGCAAG+GCTGCACT
AGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAG
ATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTC

+

FFF,FFFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2614:16577:2988_1:N:0:TCTGCAAG+GCTGCACT
CATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCC
TGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTT

+

FF,,F,,F,:FFFFFF:,F:FFF:F:FF,:FFFFFF,:F::FF,FFF:,F,FFF:FFFFFFFF::FF,
FFFFFFFF:FF:F:FFFF:FFFFFFFFF:FFFFF,:FFFFFFFFFFFFFFFFF:,FFFF

@A00721:190:HGJW7DSXY:4:1324:30346:28181_2:N:0:TCTGCAAG+GCTGCACT
GATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTC
AAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTT

+

FF,FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1567:9824:32189_2:N:0:TCTGCAAG+GCTGCACT
TTTCGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGAT

CTTTTCAATAAGATGTATGATGATAATCTACTATTTTTTAAATAGTGAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2532:30743:27367_1:N:0:TCTGCAAG+GCTGCACT
TTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTAC
TTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGA
TTA

+

FFFFFFFFFFFF:FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1359:28049:7075_2:N:0:TCTGCAAG+GCTGCACT
TCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGT
TACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1418:15402:33520_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTC
CTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTATCACACTCCTAAATTTGATAGCAAT
TTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1509:13838:31375_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC
GCC

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2174:19117:8077_1:N:0:TCTGCAAG+GCTGCACT
TAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACAGGGACCCGCTG
TGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACT
CAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1331:3161:29512_1:N:0:TCTGCAAG+GCTGCACT
CAGACGTGTGCTCTTCCGATCTCTCAGTCAAAGTCACATTCACCACTCCCATGCCAATCAATGATGT
GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTG

+

FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2556:14091:35070_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCAT

+

FF
FF
@A00721:190:HGJW7DSXY:4:1309:15582:9251_1:N:0:TCTGCAAG+GCTGCACT
CGAGATCTTGAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGCTGGGTCTTAAGGGTAG
CTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTA
TGA
+
FF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1315:10592:29888_2:N:0:TCTGCAAG+GCTGCACT
GAATTCGTCAGTGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTG
GGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTG
+
:FF
FF
@A00721:190:HGJW7DSXY:4:1225:7428:24032_2:N:0:TCTGCAAG+GCTGCACT
CGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAG
GTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCTTAAGCACC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2606:8811:3881_1:N:0:TCTGCAAG+GCTGCACT
CAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCGAGAATGCGGGCTTTCTGACTGATGAGG
TAAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTTCTGGGAGGCTGCTTTC
CTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1377:19976:26287_2:N:0:TCTGCAAG+GCTGCACT
ACACTTTTCTTGAAAATTTTCTTTTCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGT
CAAGGGTCTTCTTCATGCTGATCTTACAGGACCTAATCACATCATGAT
+
FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2556:17020:31187_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTC
AGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTTCTCCGAAATTAAGACGGGG
GGA
+
:,FF:F:FFF:FF::FFFFFF,FFFFFFFF,FFFFFFFF:FFFFFFFFF, :FFFFFFFF: ,FFFF:
FFF:FFFF, ,FFFFFF,FFFF:F::FFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF: ,FFFF
FFF
@A00721:190:HGJW7DSXY:4:2671:26847:8093_2:N:0:TCTGCAAG+GCTGCACT
GAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTACCCTTCTAAGGTGGATGAGGGAGGTTGTT
TCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCA
+
FFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2508:18258:10473_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGTAACCTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTC
CGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT
+

@A00721:190:HGJW7DSXY:4:1169:6424:6668_2:N:0:TCTGCAAG+GCTGCACT
CTTATCACCACCTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTGCGGTGGGGTTCTCAAGGC
TCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGAC

+

FFFFFFFFFFFFFFFFFFFFFFFF, , FFFF:FFFFFF:F:F:FFFFFF,F:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFF,FFFF:FF:FFFFFF::

@A00721:190:HGJW7DSXY:4:2611:10465:9972_2:N:0:TCTGCAAG+GCTGCACT
TTAAACTTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGG
AAAAGAGACCTCTGTTGTAGAGGAGTTGAGAGAATTACTCAGATTCAA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2443:12491:26162_2:N:0:TCTGCAAG+GCTGCACT
GTGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTT
TTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1476:2537:20290_1:N:0:TCTGCAAG+GCTGCACT
ATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTGCTTGACGT
CATTACAGTCTGGAAGTTAGATCATTTGTTGAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATC
TAG

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2115:13982:15029_2:N:0:TCTGCAAG+GCTGCACT
TAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGAGGTCCAGGAACCTTTACTC
CTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2159:3305:22247_2:N:0:TCTGCAAG+GCTGCACT
ACATAAAATCCAGCGATTCTATTATGTCGCTAAAGCCTGTCCAGTTGTCGATGATGTTGCGGCTGTGG
GGATTAACCTCCCTCGTGAAACTTACGACGATGTTCTCGCTCGCATTT

+

, FFFFFFFFFFFFF, , :FFFF::FFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1335:11207:17487_2:N:0:TCTGCAAG+GCTGCACT
TAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTG
GTCGAAAAATATCGCCGGAACTTCTAATAGAGGATCCTGATGACATT

+

F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2647:29423:23234_1:N:0:TCTGCAAG+GCTGCACT
TACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTGCGGAATTAGAGAAAG
ACGACCTTCTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAGGGAT
AAT

+

FF:FFFF:FFFFFFFFFFFF:FFFFFFFF:FF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1405:18231:14340_2:N:0:TCTGCAAG+GCTGCACT
TCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGT

TGAAGAGAAAAC TGATATGGTTGCGGCTGATCGTACCCCAATTCCTGC
+
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2145:2935:14184_1:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTTCATGATTCACGCTGGTCAGACC
CTT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1471:3432:18584_2:N:0:TCTGCAAG+GCTGCACT
AGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAA
GTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1322:19171:2347_2:N:0:TCTGCAAG+GCTGCACT
TCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTC
CTGCTTGTAAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGAT
+
FF
FFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1511:21640:26506_1:N:0:TCTGCAAG+GCTGCACT
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGA
CGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAG
AAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1340:16486:2581_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG
+
FFFF:FF
FFFFFFFF:FF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:1108:8160:7420_2:N:0:TCTGCAAG+GCTGCACT
CGATTGGTCAACGTCGGAGTGTTACTGCTAACACATTCTTTGGTAATTGTATGATCACTCTTATGATG
CTCTCTCTTTATTACGACCTTCGGAAGTTTAGAGCCGTCGCTGTCGCC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2406:18005:23750_2:N:0:TCTGCAAG+GCTGCACT
TTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTG
TGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTA
+
FFFFF:FF:F
FFFFFFFFFFFFFFFF:FFF:FFF:FFFFFFFF:FFFFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:2267:6017:22060_1:N:0:TCTGCAAG+GCTGCACT
TTGAGCGAGAGCGACCAAGATCTAAATTCGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTC
CTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGAC
CAT

+
FFFFF:F:FFFFF:FFF:F::FFFF,FFF:FFFF,FFFFFF::FF,FFFFFFFFF:FFFFFF:FFF
:FFFF:FF:FFFFFFFFF:FFFFFF,FFF:,F::FFF:FFFFFFFFF:F,FF::FFFF
:FF

@A00721:190:HGJW7DSXY:4:1629:25220:31861_1:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTGTT
TGACCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCTTTGAGTTCACTCGTAAG
GAC

+
FFFFFFFFFFFFFFFFF:FFF
FFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1471:15365:22060_1:N:0:TCTGCAAG+GCTGCACT
CGGCATACGAGATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCAGAGGGGCAGCA
GCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAA
GTT

+
FFFFF:FF::FFFFF:FFF,FFFFFFFFF
FFF,FFFFFFFFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2423:25201:24502_2:N:0:TCTGCAAG+GCTGCACT
CTACAATCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGAT
GGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGG

+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFF:F:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFF

@A00721:190:HGJW7DSXY:4:2655:26901:5963_1:N:0:TCTGCAAG+GCTGCACT
TCGGCGATCACTTTTCACTAAGAATTGGTCCTACTTTTGGACAAGGCAACTTCGTAATCTTCATGAG
ATCGTTTCTTTCTTTATCTCTTTGGTTGTAGGGATTTGAGGGAGTGAAAGGCTTCAATTGTAGTGG
TTT

+
FFFF:FFF
FFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2207:2374:25645_2:N:0:TCTGCAAG+GCTGCACT
GTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAACTCCAGAGGAACGTACCGGATTACC
TGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGAT

+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF,FFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2263:17155:15734_1:N:0:TCTGCAAG+GCTGCACT
TCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTACTTTTCGATACTTCTATCGTCTTACG
TTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATG
AAG

+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF,FFFFFFFFF
FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2313:24026:3302_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAACTTTCAGTTTCACAACTGAAGGAGGAGG
TTTCTGTACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTC

+
FFFFFFF:FFF:FFF:FFFF
FFFFFFFFF,FFFFFFFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2570:14895:24189_1:N:0:TCTGCAAG+GCTGCACT
AGTGGCATTCAAGGCAAACTTACCCTGATTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTAC
TCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCG
CTG

@A00721:190:HGJW7DSXY:4:1261:31611:16908_1:N:0:TCTGCAAG+GCTGCACT
TCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCG
TTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAA
CCA

@A00721:190:HGJW7DSXY:4:2461:7618:12524_1:N:0:TCTGCAAG+GCTGCACT
CAAAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTCGCTTCCTCCTTTAATGG
CACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAAT
GTT

@A00721:190:HGJW7DSXY:4:1255:12346:11350_1:N:0:TCTGCAAG+GCTGCACT
TGGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAG
TTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCTAAGTGGTAA
TAC

@A00721:190:HGJW7DSXY:4:2206:4725:6355_2:N:0:TCTGCAAG+GCTGCACT
GAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACG
GTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAAGAATA

@A00721:190:HGJW7DSXY:4:2344:20853:16908_2:N:0:TCTGCAAG+GCTGCACT
CTAAAGATTGAAGGAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATGATAAC
TTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGAT

@A00721:190:HGJW7DSXY:4:2333:27453:25895_1:N:0:TCTGCAAG+GCTGCACT
GCATTTGATAATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGC
ATCTCGTGTCGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGC
TGA

@A00721:190:HGJW7DSXY:4:2261:28266:19820_2:N:0:TCTGCAAG+GCTGCACT
CTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACACTAGTTC

+

@

+

@

+

@

+

@

+

@

+

@

+

@

+

@

+

FF
FFF

@A00721:190:HGJW7DSXY:4:1421:1208:2675_2:N:0:TCTGCAAG+GCTGCACT
GATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTC
AAATGAGGTCAAAGCTCTATTTATTAAACGAACATTATCCGATTCTT

+
FF:FF
FFFFF:FFFFF:,FF

@A00721:190:HGJW7DSXY:4:2114:20283:25974_2:N:0:TCTGCAAG+GCTGCACT
TTTCGACAAATTTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGAT
CTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGAT

+
FF
FF

@A00721:190:HGJW7DSXY:4:1355:26142:30765_1:N:0:TCTGCAAG+GCTGCACT
TTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACT
TACACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGAT
TA

+
FFFF:FFFFFFFFFFFFF::F:FF
FF,FF:FF
FF

@A00721:190:HGJW7DSXY:4:1528:29649:35305_2:N:0:TCTGCAAG+GCTGCACT
TCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGT
TACAAACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTA

+
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFF:FFFFFFFFFFFF
FFFFF:F,FFFFFFFFFFFFFFFFFFFFF::F:FFFFF:FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1560:11577:20823_1:N:0:TCTGCAAG+GCTGCACT
ATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTC
CTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAAT
TTA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1509:15248:26396_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC
GCC

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2206:29875:27837_1:N:0:TCTGCAAG+GCTGCACT
TAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACAGGGACCCGCTG
TGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACT
CAA

+
F:FFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1331:4309:30561_1:N:0:TCTGCAAG+GCTGCACT
CAGACGTGTGCTCTTCCGATCTCTCAGTCAAAAGTCACATTCACCACTCCCATGCCAATCAATGATGT

GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTG

+

FFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF,FFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2621:20961:7795_2:N:0:TCTGCAAG+GCTGCACT
GCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGA
AGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCAT

+

FF
FF:FFFF

@A00721:190:HGJW7DSXY:4:1570:8359:23766_1:N:0:TCTGCAAG+GCTGCACT
CGCGATCTTGAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGCTTGGGTCATTAAGGGTAG
CTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTA
TGA

+

::,F:F,FFFFFFFF:FFFFFF:F,FFFFFFFF:FF:F,FF:FF:FFFFFFFF:FFFF,F
FFFFFFFF:FFFFFF::FFFFFFFF,FF,,FF:FF,::,FFF:FFF:FFF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1350:2410:5822_2:N:0:TCTGCAAG+GCTGCACT
GAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTG
GGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTG

+

FFF,FF::FFFFFFFFFFFF,::FFFF:FF::FFFFFFFF,FF:FFFF,FFFFFFFFFFFFFFFF
FFFFFF:FF:FFFFFF:FFF:FFFFFFFFFFFFFFFF,FFFFFF

@A00721:190:HGJW7DSXY:4:1543:32045:28119_2:N:0:TCTGCAAG+GCTGCACT
CGTTTGGAGATTTTATCCGCGCTTAACCTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAG
GTTGGCATATTTATGCCGACGATAATAAGCATGTACCCCTAAGCACC

+

FF:FFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1325:21522:20572_1:N:0:TCTGCAAG+GCTGCACT
AGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTCTGACTGATGAGGTT
AAAACCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTTCTGGGAGGCTGCTTTCCT
C

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F::FFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF,FFFFFFFFFFFFFFFF
F

@A00721:190:HGJW7DSXY:4:1377:19985:25833_2:N:0:TCTGCAAG+GCTGCACT
ACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGT
CAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGAT

+

FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFF

@A00721:190:HGJW7DSXY:4:1601:18258:15671_2:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAAGACGGGGGATTAAGAGTCCAGCTGTAACCTGTCATTTAGAGAGGGGAGCTCTGAAAA
GGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGA

+

FFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFF,FFFF:FF,FFF:FFFFFF:FFFF:F:FFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2316:8395:28244_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT

TTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2567:15176:35759_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTC
CGATCAGATCCGGATGGTTTGAGTGGTATGGACTACTCGACTTTTGAT
+
FFFFFFFFFFF:FFFFFFFFFFF,FFFFFFFFFFFFFFFFFFF,FFFFFFF,FFFFFFFFFFFFFFFFFFF:F
FFFFFFFFFFFFFFFFFFF:FFF,:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1452:5195:36949_1:N:0:TCTGCAAG+GCTGCACT
TTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATG
ATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAG
TTT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1477:13503:16297_1:N:0:TCTGCAAG+GCTGCACT
GCGATATTCGTTTTTCATATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTG
AAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAA
AGC
+
FF:FFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2419:21766:12038_2:N:0:TCTGCAAG+GCTGCACT
TACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTC
TCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATG
+
FFFFFFFFF,::::FFFFFFF,:FFF,F,FFF,,FF,FFF:FFFFFF:F,F:FF,FFFFFFFF,FF:FFFFF
F:FFFFFFFF:F,,F:FFFFFFFF:,,FF,F:FFFFFFFF:FF:FF:,F:F
@A00721:190:HGJW7DSXY:4:2102:4887:13557_2:N:0:TCTGCAAG+GCTGCACT
ATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTTCGTTCTCAATAAAAATTTTTCTCAA
GAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTACGTACGTC
+
FF
FFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2158:32081:30906_1:N:0:TCTGCAAG+GCTGCACT
ACGAGATCTTGCAGAGTGACTGGAGTTCATACGTGTGCTCTTCCGATCTCAACAGTGCGAGGATTGTG
ATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGAT
CTT
+
FFF,FFFFF:FFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1250:32615:11256_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTC
TGCGTTACTGAGAGAAAAGATTACAGACGCCTACGGTGACTTTATGGA
+
FFF:FFF
FF:FFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1128:14859:35430_2:N:0:TCTGCAAG+GCTGCACT
CTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAA

CACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAG
+
FFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF:FF:FF:FFFFFFFFFFFF
:FFFFFFFFFFFF,FF,:FFFFFFFFFFFF::F,FFF:FFF:FFF
@A00721:190:HGJW7DSXY:4:2517:25527:14857_2:N:0:TCTGCAAG+GCTGCACT
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTT
GAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAG
+
FF
FF:FFFFFF
@A00721:190:HGJW7DSXY:4:2124:9986:30874_2:N:0:TCTGCAAG+GCTGCACT
CTTATCACCACCTTTTGAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGC
TCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGAC
+
FFFFFFFFFFFFFFFF,FFFFFF:FFFFFF:FFFFFFFFFFFF:F::FFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1113:9607:24737_2:N:0:TCTGCAAG+GCTGCACT
TTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAG
ACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFF,FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFF,FF::F
@A00721:190:HGJW7DSXY:4:2626:20148:9706_2:N:0:TCTGCAAG+GCTGCACT
GTCGCGAAAACGATGAAGATTTCCACACTGTTTCGAGAATCTTCTGATGCTGAATTTGAGGAAAATTT
TTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF
FFFFFFFF:F:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:1611:24777:24330_1:N:0:TCTGCAAG+GCTGCACT
ATGTGTCACGCTACACTCGAAATATGGGCCATCATTTGGAAGTATAGTTGGCGTCTTGTGCTTGACGT
CATTACAGTCTGGAAGTTAGATCATTTGTTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATC
TAG
+
:FF:F,,FF::FF::,,FFF,F::F,FF,F,F::,,,:FF,FFFFFFFF:F:F,FF:FFFFFFFFFFFF
FF,FF,FFFFFF::FFFF,:FFFF:F:F,,,,:FFFFFFFF:F,FFF,F,FFFF,,F,,:FF:F:FFF
FF,
@A00721:190:HGJW7DSXY:4:2115:14109:15092_2:N:0:TCTGCAAG+GCTGCACT
TAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGAGGTCCAGGAACCTTTACTC
CTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAG
+
FF:FFFFFF
FF
@A00721:190:HGJW7DSXY:4:1146:26214:13041_2:N:0:TCTGCAAG+GCTGCACT
TAAAGCCTGTCCAGTTGTCGATGATGTTTCGGGCTGTGGGATTAACCTCCCTCGTGAACTTACGACG
ATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGCCA
+
FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:1315:15176:28150_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTG
AAT
+
FFFFFFFFFFFFFFFFFFFF,FFFF,FFFF:FF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

FF
FFF

@A00721:190:HGJW7DSXY:4:2211:14507:31782_1:N:0:TCTGCAAG+GCTGCACT
AGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAAC
AAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGAGAAACTGATATGGT
TGC

+

FF:FFF:FFFF:F,FF
FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2242:30282:13416_1:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACC
CTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1510:23457:36918_2:N:0:TCTGCAAG+GCTGCACT
AGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAA
GTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1402:8395:26459_2:N:0:TCTGCAAG+GCTGCACT
TCTCAGTTATCGCTGCCCCGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTC
CTGCTTGAATTCGAGAGAGGACACTATGGAATTAGACCTATCAGAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1511:21902:14779_1:N:0:TCTGCAAG+GCTGCACT
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATATTGAAGTTGTTGA
CGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAG
AAG

+

FFFF::F,FFFFFFFFFFFF:F:FFF:FFFFFF,FF,,,F,FFF,F,FF:FF:F,FFFFFFFFF:FFF
FFFFFFFFFFFF:FFFF:FFFFFFFF:FF:FFF,:FFFF:FF,,FFFFFFFFFFFF,FFFFFFFF:F:F
FFF

@A00721:190:HGJW7DSXY:4:1374:21938:11647_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG

+

FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1122:10230:4178_2:N:0:TCTGCAAG+GCTGCACT
CGATTGGTCAACGTGCGAGTGGTACTGCTAACACATTCTTTGGTAATTGTATGATCACTCTTATGATG
CTCTCTCTTTATTACGACCTTCGGAAGTTTAGAGCCGTCGCTGTCGCC

+

FFFFFFFFFFFFF:FFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2416:13223:10207_2:N:0:TCTGCAAG+GCTGCACT
TTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCTACCTTTCCTTG
TGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTA

+

FFFFFFFFFFFFFFFF:FF:FF:FF
:FF
@A00721:190:HGJW7DSXY:4:2320:12201:35086_1:N:0:TCTGCAAG+GCTGCACT
TTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCCTGGCGCTTTATTTTAAAAAGCTCCCTC
CTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGAC
CAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2310:5620:26287_1:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTT
TGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCAGTTCGTAAG
GAC
+
FFFFFFFFFFFFFFFFFFFF,FFFFF:FFFFF:F:FFFFFFFFFFFFF,,FFFFFFFFFFFF:FFFFF:FFFFF
F,F,FFFFF,FF,FF:FFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFF
F:F
@A00721:190:HGJW7DSXY:4:2577:21441:24565_1:N:0:TCTGCAAG+GCTGCACT
CGGCATACGAGATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCAGAGGGGCAGCA
GCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAA
GTT
+
FFFFFFFFFF,FF:FFFFFFFFFFFF,FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2520:24297:13542_2:N:0:TCTGCAAG+GCTGCACT
CTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGAT
GGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2539:31222:34741_1:N:0:TCTGCAAG+GCTGCACT
TCACTTTTCTACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTT
CTTTCTTTATCTCTTTGTTGTTAGGGATTTTGGAGAGAGTGAAAGGCTTCAATTGTAGTGTTTGGTC
GTT
+
FFFFF:FFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1202:6144:22216_2:N:0:TCTGCAAG+GCTGCACT
TCTACGCAAAGATATTTTCATGAAAACAACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAA
TGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1413:9995:35994_2:N:0:TCTGCAAG+GCTGCACT
CCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTAC
TATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTTGGAGGTCGTGAC
+
FFFFFFFFFFFFFFFFFFFF,FF
F:FF
@A00721:190:HGJW7DSXY:4:2368:27218:34945_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGG

+

@A00721:190:HGJW7DSXY:4:2421:24623:27759_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1347:1859:19335_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2528:9878:11209_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1444:19135:36323_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2304:28709:2550_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1129:11605:32393_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2436:31928:11694_1:N:0:TCTGCAAG+GCTGCACT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1435:15239:28604_2:N:0:TCTGCAAG+GCTGCACT
GATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTC
AAATGAGGTCAAAGCTCTATTTATTAAACGAACATTATCCGATTCTT

+

FF:FF
FF:FFFF,FFFF:FF

@A00721:190:HGJW7DSXY:4:2169:20374:3427_2:N:0:TCTGCAAG+GCTGCACT
TTTCGACAAATTTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGAT
CTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGAT

+

FFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1124:8386:34053_1:N:0:TCTGCAAG+GCTGCACT
TTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACT
TATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGAT
TAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2327:26603:29215_2:N:0:TCTGCAAG+GCTGCACT
TCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGT
TACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTA

+

FF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2560:11632:25739_1:N:0:TCTGCAAG+GCTGCACT
ATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTC
CTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAAT
TTA

+

FFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
,FF

@A00721:190:HGJW7DSXY:4:1510:10972:29105_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC
GCC

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2518:12852:7780_1:N:0:TCTGCAAG+GCTGCACT
TAGGGTCAAACCTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACAGGGACCCGCTG
TGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACT
CAA

+

F,FFF:FFF,F:FFF,F:,FF,FFF,FFF,FFF,FF:FF:,FF:FFFFFFFFFFFF:FFFFFFFF:FF
F:FFFFFFFFFFFF:FF:,FF:,F,FFF,:FF:FFFFFFFF:FFF:FFFF:FF,:FFFFFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:1573:22092:28260_1:N:0:TCTGCAAG+GCTGCACT
CAGACGTGTGCTCTTCCGATCTCTCAGTCAAAAGTCACATTCACCACTCCCATGCCAATCAATGATGT
GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTG

+
FFF:FFFFFFFFFFFFFFFFFFFF:FF:FFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1552:9498:1689_1:N:0:TCTGCAAG+GCTGCACT
CAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAG
AGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATT
ACC
+
FFFFFF:F:FF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1503:27787:5995_2:N:0:TCTGCAAG+GCTGCACT
ATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCT
GTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACA
+
FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:::FFFFF,FFF
F,FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2209:5285:29528_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACCTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAG
CAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2254:5719:19852_2:N:0:TCTGCAAG+GCTGCACT
CGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAG
GTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACC
+
FF:FFFF:FFFFFFFFFFFF
FF:FFF
@A00721:190:HGJW7DSXY:4:1227:8648:1814_2:N:0:TCTGCAAG+GCTGCACT
AGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGACTGATGAGGTTAA
AACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATATTCACTGGTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:F:,FFFFFFFF:FF:FFFF:FFFF:FF,F::FFFFFFFF,FFF
FFF,::FF:F,FF,F:FFFFFFFF:FFFFFFFF:FF:FFFF,F:FFF:F
@A00721:190:HGJW7DSXY:4:1504:6732:36542_2:N:0:TCTGCAAG+GCTGCACT
ACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGAAGGTGT
CAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF
FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FF,
@A00721:190:HGJW7DSXY:4:1632:10899:9596_2:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAA
GGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGATCGGAAGAGCGTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:F:F:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:
FF:FFFF:FFFF
@A00721:190:HGJW7DSXY:4:2403:22797:3427_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTT
+
,F:, ,FFFFFFFF,FFFFFFFF:FFFFFFFF::FFFFFFFF:FF::FFFFFFFFFFFF:FFFFFF
FFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF:FFF, ,FFFFFFFF,

@A00721:190:HGJW7DSXY:4:2647:2003:4679_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGTAACCTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTC
CGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT

+

FFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:F:FFFFF,FFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1550:18168:29199_1:N:0:TCTGCAAG+GCTGCACT
TTCTGTAGCTCTGAGGGCGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATG
ATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTGCGCGCAG
TTT

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2428:1208:11663_1:N:0:TCTGCAAG+GCTGCACT
GCGATATTCGTTTTCATATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTG
AAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAA
AGC

+

FF:FFFFFFFFFFFFFFFF
FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2514:14208:20494_2:N:0:TCTGCAAG+GCTGCACT
TACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTC
TCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATG

+

FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFF,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2178:7581:19664_2:N:0:TCTGCAAG+GCTGCACT
ATCTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTGTTTCTCAATAAAAATTTTCTCAA
GAGATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTACAGTACGTC

+

FF:FFFFFFFFFFFFFFFF
FFFF,FFFF,:FF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2358:27905:9987_1:N:0:TCTGCAAG+GCTGCACT
ACGAGATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCAACAGTGCGAGGATTGTC
ATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGAGCGAT
CTT

+

FF,FFFF::FFFFFFFF:FFF:FFFFFFFF:FFFF,,FFFFFFFFF:,FF:FFFFFFFFFFFF:
FFFFFFFF:FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1250:6307:33520_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAGTACCGAGGTGATCTCTCTGCTTC
TGCGTTACTGAGAGAAAAGATTACAGGACGCCTACGGTGACTTTATGGA

+

FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1407:17671:27179_2:N:0:TCTGCAAG+GCTGCACT
CTACGGTCCTTATCCAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAA
CACGTCAAGAAGTCGCTCGCGCTTGTCTTGAAAACCAAGTTAAGAAG

+

FFFFFFFFFFFF,FF,FFFFFF:FFFF:FFFFFFFFFFFF,F:FFF,FFFFFFFF:FFF:FFFFFF
FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF,F:FFF

@A00721:190:HGJW7DSXY:4:2531:12310:30452_2:N:0:TCTGCAAG+GCTGCACT
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTT
GAATGTTGTAAAGAATTGGGTTGAGAAGCGTGCAGATCGGAAGAGCGT

+

FF:FF
FFFFFFFF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2242:25057:20995_2:N:0:TCTGCAAG+GCTGCACT
CTTATCACCACCTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGC
TCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGAC

+

FFFFFFFF:FF,FFFFFFFF:FFFFFFFF,,F:FFF:F:FFFFFFFF,FFFF:FFFFFFFF
FFFF:FFFF:FFFFFFFF:FFFF:FFFFFFFF,FFF,FFFF:

@A00721:190:HGJW7DSXY:4:1139:19108:22467_2:N:0:TCTGCAAG+GCTGCACT
TTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAG
ACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGC

+

FF,FFFFFFFF
FFFFFFFF:FFFFFF:F:FFFF:FFFFFFFFFFFF,FFF:FF

@A00721:190:HGJW7DSXY:4:2626:20283:9815_2:N:0:TCTGCAAG+GCTGCACT
GTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTT
TTCGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGG

+

FF
FFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2308:18304:10363_1:N:0:TCTGCAAG+GCTGCACT
ATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTGCTTGACGT
CATTACAGTCTGGAAGTTAGATCATTTGTTGAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATC
TAG

+

FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFFF:FFFF:FFFFFFFF:FFFFFFFFFFFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2153:23529:19883_2:N:0:TCTGCAAG+GCTGCACT
TAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGAGAGTCCAGGAACCTTTACTC
CTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1378:12472:14387_2:N:0:TCTGCAAG+GCTGCACT
TAAAGCCTGTCCAGTTGTCGATGATGTTGCGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGACG
ATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGCCA

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFF,:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1368:7916:12414_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTG
AAT

+

FFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF:FFFFFFFF:F,FFF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2463:7066:33959_1:N:0:TCTGCAAG+GCTGCACT
AGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAAC

AAGAAGAATAAAGGTAGGAAGGGGAGAAAAACAGAACAAGCGAGCGGTTGAAGAGAAAACCTGATATGGT
TGC

+

FFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2611:28420:28197_1:N:0:TCTGCAAG+GCTGCACT
AATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACG
TCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTTCATGATTCACGCTGGTCAGACC
CTT

+

FF
FF
F:F

@A00721:190:HGJW7DSXY:4:2244:10691:33692_2:N:0:TCTGCAAG+GCTGCACT
AGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAA
GTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1354:6008:8390_2:N:0:TCTGCAAG+GCTGCACT
TATCGCTGCCCGCCGCGCTTTGTGCGAACTCTCAGAGGTTTACGCGAGAAAAATTTCTCCTGCTTG
TAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGA

+

FF:FF
FF

@A00721:190:HGJW7DSXY:4:1563:3513:31563_1:N:0:TCTGCAAG+GCTGCACT
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGA
CGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAG
AAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1446:4101:18302_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG

+

FF
FF:FFFFF:F:FF

@A00721:190:HGJW7DSXY:4:1122:8495:4241_2:N:0:TCTGCAAG+GCTGCACT
CGATTGGTCAACGTCGGAGTGGTACTGCTAACACATTCTTTGGTAATTGTATGATCACTCTTATGATG
CTCTCTCTTTATTACGACCTTCGGAAGTTTAGAGCCGTCGCTGTCGCC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2456:4878:8406_2:N:0:TCTGCAAG+GCTGCACT
TTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCTACCTTTCCTTG
TGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTA

+

FFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2501:13702:6965_1:N:0:TCTGCAAG+GCTGCACT
TTGAGCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAGCTCCCTC

CTCTCGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGAC
CAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2524:26160:24189_1:N:0:TCTGCAAG+GCTGCACT
TCAGTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTT
TGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAG
GAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1123:31765:16391_2:N:0:TCTGCAAG+GCTGCACT
AAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAG
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTG

+

FFFFFFFFFFFF::FFF:FFFFFFFF::FF:FFFFFFFFFFFFFFFFFFFF,,F:FFFF,FF,: ,FF::F
,FF:FFFF,FF:F:FFFF:FFFF,FFF,FF,FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2659:21911:14074_2:N:0:TCTGCAAG+GCTGCACT
GAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTCTAATAATGA
TGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGG

+

FF
FFFFFFFF:FF:F

@A00721:190:HGJW7DSXY:4:2539:32000:33270_1:N:0:TCTGCAAG+GCTGCACT
TCACTTTTCACTAAGAATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTT
CTTTCTTTATCTCTTTGGTTGTTAGGGATTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTC
GTT

+

F:FFFFFFFF:FF
FF:FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1419:10872:8015_2:N:0:TCTGCAAG+GCTGCACT
TCTACGCAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAA
TGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGG

+

FFFFFFFF:FF
FFFFF:FFFFFFFF:FF,FFF:FFFF,F::FFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1543:20057:8202_2:N:0:TCTGCAAG+GCTGCACT
CCTACGTAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTAC
TATAGTGTATTATTCTGGTGGTATGATAATCTTGGAGGTCGTGAC

+

FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2475:3866:18584_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTCACAAGGAGGAGG
TTTCTGTACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTC

+

F:FFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1620:32099:9737_2:N:0:TCTGCAAG+GCTGCACT
TTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT

+

@A00721:190:HGJW7DSXY:4:1421:30915:8406_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1133:10908:22169_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2605:5791:27492 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1445:26865:23531 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2344:27064:12101 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1329:3206:27712 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2441:24695:27696 1:N:0:TCTGCAAG+GCTGCACT

+

[illegible]

@A00721:190:HGJW7DSXY:4:2366:1362:22827_2:N:0:TCTGCAAG+GCTGCACT
CTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACACTAGTTC
GAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2512:6433:9721_1:N:0:TCTGCAAG+GCTGCACT
ACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAA
TAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATATC
CAG

+

FFFFFF:FFF:FFFF:F::,F,FFFF:FFFFFF,F:FFF:FFFFFFFF:F:FFF,FFF,FFFFFFFF
FF:FF:F::F:FFFFFF:FFFFFFFF:FFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1652:17987:8249_1:N:0:TCTGCAAG+GCTGCACT
CGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATCTTTTGATACTAGCCTTCAAG
TGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGTTTGAACCCGTTGATGCTATGTCAGA
AGA

+

FF
FFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1367:28727:35618_2:N:0:TCTGCAAG+GCTGCACT
TGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGTTTTGAA
TTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTT

+

FFFFFFFFFFFFFFFFFFFFFFF:FFF:FF,FFFFFF
F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF:,FFFFFFFF:F:FF:FFF

@A00721:190:HGJW7DSXY:4:1521:7880:2425_2:N:0:TCTGCAAG+GCTGCACT
AAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACA
CTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTA

+

FF,FF
FFFFFFFFF:FFF:FFF

@A00721:190:HGJW7DSXY:4:2523:12355:16595_2:N:0:TCTGCAAG+GCTGCACT
GAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACG
TCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTC

+

FFFFFFFFFFFFFFFFFFFFFFF::FFF
FF:FF

@A00721:190:HGJW7DSXY:4:2573:8467:15781_2:N:0:TCTGCAAG+GCTGCACT
AGCTAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAG
ATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2520:17092:27336_1:N:0:TCTGCAAG+GCTGCACT
ACCCGCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCT
GCCTTTACTCA

+

F,F::,,FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1435:15456:28792_2:N:0:TCTGCAAG+GCTGCACT
GATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTC

AAATGAGGTCAAAGCTCTATTTATTAACGAACTATTATCCGATTCTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2427:11840:12038_2:N:0:TCTGCAAG+GCTGCACT
TTTCGACAAATTTTAGAACTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGAT
CTTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGAT
+
FF:FFFFFFFF:,FFFFFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF:FFFFFF:FF
F:FF,FF:FFFFFFFFFFFFFFFF,FFFF:FFFFFFFF:::FF
@A00721:190:HGJW7DSXY:4:1364:30101:20807_1:N:0:TCTGCAAG+GCTGCACT
TTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACT
TATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGAT
TAG
+
FF:FFFFFFFF:FFF:FFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1211:15510:17863_1:N:0:TCTGCAAG+GCTGCACT
GGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAACTATAAGTTA
CAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAATG
GTA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2463:6099:17315_2:N:0:TCTGCAAG+GCTGCACT
CAAATAGAACCTTCACTCTCGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCA
TTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTA
+
FFFFFF:FFFFFFFF:FF,FF,F:FFF:FFF:FFFFFF,FFFFFFFFFFFFFFFF:FF,FFFF
:FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF,FF:FFF
@A00721:190:HGJW7DSXY:4:1526:10890:25676_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACT
GCC
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1203:32253:25379_1:N:0:TCTGCAAG+GCTGCACT
CTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAAC
CTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACG
GGC
+
FFFFFFFFFFFFFFFF:FFF:FF
FFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2105:11053:11741_1:N:0:TCTGCAAG+GCTGCACT
CAGACGTGTGCTCTTCCGATCTCTCAGTCAAAAAGTCACATTCACCACTCCCATGCCAATCAATGATGT
GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTG
+
FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF

FF
FFF

@A00721:190:HGJW7DSXY:4:2147:13223:15530_1:N:0:TCTGCAAG+GCTGCACT
CAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAG
AGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATT
ACC

+

FF:FFFF:FF:FF
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1623:31051:34006_2:N:0:TCTGCAAG+GCTGCACT
ATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGCGGCTTGGGTCATTAAGGGTAGCT
GTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACA

+

FFF:F,:F,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2245:28031:12868_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAG
CAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGA

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:2370:9607:3411_2:N:0:TCTGCAAG+GCTGCACT
CGTTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAG
GTTGGCATATTTATGCCGACGATAATAAGCATGTCACCTTAAGCACC

+

FFF
FFFF:F:FFF

@A00721:190:HGJW7DSXY:4:1325:21522:20572_2:N:0:TCTGCAAG+GCTGCACT
AGAGAGTGTGAGAGAGTCGCTCTCACTATTTTGGCCAGAATGCGGGCTTTCTGACTGATGAGGTTAA
AACTCTTGCTCCTTCTGTGGGTGAGGGTTTTGTTATATTCACTGGTT

+

FFF
:F::FFF:,F:FF::FF:,FF,F::F:FF:FFF,FFFF,FFF:FFF:F
:F::FFF:,F:FF::FF,F:FFF:FFFFFFFF,FFFFFFFF:FF:FF,F

@A00721:190:HGJW7DSXY:4:1559:19777:9283_2:N:0:TCTGCAAG+GCTGCACT
ACACTTTTCTTGAAAATTTTCCTTTCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGT
CAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGAT

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:1650:16893:26710_2:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAA
GGAAACTTCGTCAGAAGAGGAGGAAGTCTAAGAGATCGGAAGAGCGTC

+

FFF
FFFFFFFF::FFFFFFFFF,FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2434:22598:10817_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTT

+

FFF
FFF,FFFFFFFFFFF:FFF:

@A00721:190:HGJW7DSXY:4:2663:22932:2347_2:N:0:TCTGCAAG+GCTGCACT
AGAATTCGTAACCTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTC

CGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGAGATCGGAA

+

FFFFFFFF:F:F:FF:F:FFFFFFFFFFFF:FFFFFFFF:FFF:
FFFFFFFFFFFF:FF:FF:FFFF,F:

@A00721:190:HGJW7DSXY:4:1558:10972:15013_1:N:0:TCTGCAAG+GCTGCACT
TTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATG
ATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTGCGCGCAG
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2525:3405:32346_2:N:0:TCTGCAAG+GCTGCACT
TTCGTTTTTCATATCCAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGAT
GCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2620:21802:13041_2:N:0:TCTGCAAG+GCTGCACT
TACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTC
TCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1165:5936:36980_2:N:0:TCTGCAAG+GCTGCACT
CTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTTCGTTCTCAATAAAAATTTTTCTCAAGA
GATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTACGTACGTCAT

+

FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:1239:5791:14058_2:N:0:TCTGCAAG+GCTGCACT
TTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCA
TCTCGGGGAAAGTGATTACCAAGATGTTTCATATAGATACGAGATACC

+

FF
FFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2376:3495:15186_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTTGGGTACACGTTATGCTCGAACTTAACGTTAGT
ACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTACAGGACGCCTACGGTGACTTTAT
GG

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:1573:17924:5822_2:N:0:TCTGCAAG+GCTGCACT
CTACGGTCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAA
CACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAG

+

FFFFF::FFF
FFFFFFFFFFFFFFFFFFFF:FFF::F, :FFFFFFFFF:FFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2577:20546:4507_2:N:0:TCTGCAAG+GCTGCACT
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTT
GAATGTTGTAAAGAATTGGGTTGAGAAGCGTGCAGATCGGAAGAGCGT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:F,F
FFF:FF:FF:FFFF
@A00721:190:HGJW7DSXY:4:2663:27697:11224_2:N:0:TCTGCAAG+GCTGCACT
CTTATCACCACCTTTTGAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGC
TCTCATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATCTGAC
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFF:FF
@A00721:190:HGJW7DSXY:4:1265:3161:3145_2:N:0:TCTGCAAG+GCTGCACT
TTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGGTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAG
ACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGC
+
FFFF::FFFFFFF:FFF:FFFFFFFFFFFF,F::,FFFFFFFFF:FFF:FFFFFF:FFFFF,FFFFFFF
FFFFF:FFF:F::FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:F,FFFFFF:F
@A00721:190:HGJW7DSXY:4:2640:29487:21840_2:N:0:TCTGCAAG+GCTGCACT
GTCGCGGAAAACGATGAAGATTTCCACACTGTTGAGAATCTTCTGATGCTGAATTTGAGGAAAATTT
TTCGGAAGTTTTTGGTATAAATCCTGATGGCTCAGTACAGGGAGGAGG
+
FFF
FFF:FFF
@A00721:190:HGJW7DSXY:4:2506:18276:20243_1:N:0:TCTGCAAG+GCTGCACT
ATGTGTCACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTGCTTGACGT
CATTACAGTCTGGAAGTTAGATCATTTGTTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATC
TAG
+
FFFFFFF,F,FFFFFFFFF:FFFFFFFFF:FFFF,FFFFFFFFF::FFFFF,FFFFFFFFFFFFFFFFF
FFFFFFFFF,F,FFFFFFFFF::FFFFF:FFFFFFFFF:FFFFFF:FFFFFFFFF:FFFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:2573:17761:25520_2:N:0:TCTGCAAG+GCTGCACT
TAGAGTTCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGAGGTCCAGGAACCTTTACTC
CTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAG
+
FFF
FFFFFFFFF:FFF,FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1417:27154:1266_2:N:0:TCTGCAAG+GCTGCACT
TAAAGCCTGTCCAGTTGTGATGATGTTGCGGCTGTGGGATTAACCTCCCTCGTGAACTTACGACG
ATGTTCTCGCTCGCATTTTACAAGGATTACTAAGTCTGAGATCTGCCA
+
FFF
FFFFFFFFF:FFF:FF
@A00721:190:HGJW7DSXY:4:1436:31096:10504_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTG
AAT
+
:FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1276:17571:19398_1:N:0:TCTGCAAG+GCTGCACT
GGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACA
AGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAGAAAACCTGATATGGTT
GC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1109:14073:21605_1:N:0:TCTGCAAG+GCTGCACT
ATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGT
CGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCC
TTT

@A00721:190:HGJW7DSXY:4:2566:17969:5087_2:N:0:TCTGCAAG+GCTGCACT
AGGCGGCTTATACCATAGGTTACGGTGATTCCAATCAAATCGGATTCAATCGTATTGATCTCCAA
GTCGCAAACACTTCAACATCAACGACATCATTCTTGATGAGTGTCGT

@A00721:190:HGJW7DSXY:4:2567:26847:36808_2:N:0:TCTGCAAG+GCTGCACT
TATCGCTGCCCCGCCGACGTTTGTGCGAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTG
TAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGA

@A00721:190:HGJW7DSXY:4:1563:3866:31391_1:N:0:TCTGCAAG+GCTGCACT
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGA
CGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAG
AAG

@A00721:190:HGJW7DSXY:4:1452:6470:6527_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAGTCGGTTGTCGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG

@A00721:190:HGJW7DSXY:4:1376:25328:7592_2:N:0:TCTGCAAG+GCTGCACT
CGATTGGTCAACGTCGGAGTGGTACTGCTAACACATTCTTTGGTAATTGTATGATCACTCTTATGATG
CTCTCTCTTTATTACGACCTTCGGAAGTTTAGAGCCGTCGCTGTCGCC

@A00721:190:HGJW7DSXY:4:2474:31485:24486_2:N:0:TCTGCAAG+GCTGCACT
TTTTAAACGATTCCGAGAGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTG
TGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTA

@A00721:190:HGJW7DSXY:4:2320:12201:35086_2:N:0:TCTGCAAG+GCTGCACT
GCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGCGCTTTATTTTAAAAGCTCCCTCCTCT
CGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGAT

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

@A00721:190:HGJW7DSXY:4:1245:28646:6981_2:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGA
CCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCT

+

FFFFF::FFFFFFF,FFFFFFFFFFFFFFF,,FFFFFFFFFFFFFFF:FFF:FFFFFFF,FFFFF:FF:FF
,FFFFFFFFF:FF:FFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1304:7066:13980_2:N:0:TCTGCAAG+GCTGCACT
AAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAG
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTG

+

FFF:FFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
F:FFFFFFFFFFFFFFF,FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2662:8585:18991_2:N:0:TCTGCAAG+GCTGCACT
GAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGTTTTCTAATAATGA
TGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGG

+

FFF::
FF:FFFFFFFFFFFFFFFFF,FF::FFFFFFFFF:FF,FFFF,F

@A00721:190:HGJW7DSXY:4:2554:21504:6198_1:N:0:TCTGCAAG+GCTGCACT
TCACTTTTCACTAAGAATTGGTCCTACTTTTGGACAAGGCCAATTTCGTAATCTTCATGAGATCGTTT
CTTTCTTTATCTCTTTGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTC
GTT

+

FFF:F:FFFFFFFFFFFFFFFFF
FFFFF:FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1608:6162:21809_2:N:0:TCTGCAAG+GCTGCACT
TCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAA
TGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGG

+

FFF:FFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2263:17155:15734_2:N:0:TCTGCAAG+GCTGCACT
CCTACGTAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTAC
TATAGTGTTATTTATTCTGGTGGTGGTGGTATGATAATCTTGGAGGTCGTGAC

+

FFF
F:FFFFF:F:FFF

@A00721:190:HGJW7DSXY:4:2609:28528:12195_2:N:0:TCTGCAAG+GCTGCACT
GTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGG
TTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTC

+

FFF:
:FFF

@A00721:190:HGJW7DSXY:4:1647:18692:6809_2:N:0:TCTGCAAG+GCTGCACT
TTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT
GAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGA

+

FFF:F
FFF

@A00721:190:HGJW7DSXY:4:1566:17933:24565_1:N:0:TCTGCAAG+GCTGCACT
TCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCG
TTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAA
CCA

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1214:14778:16658_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCA
CTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTTCCGGAGTTT
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:F,FFFF:F:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1310:16215:31391_1:N:0:TCTGCAAG+GCTGCACT
TCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGA
TGCTGACTTTCGTCAATATGATTTGATCTGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGC
CTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1523:16604:32189_1:N:0:TCTGCAAG+GCTGCACT
TGGATTTTAATATACAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAG
TTTATAAGGAACATATCCATTTGTTGTAATAGGTCATCAACTTAGAACTCGAACTCTAAGTGGTAA
TAC
+
F,F:FFFFFFFF:F,:FFFF:FF,FFF,FFFF:,FF,F,FFFFFFFF:FFFFFFFFFF,FF::F:F:
FFFFFFFF,F:,FFFFFFFF:FFFFFFFFFFFFFFFF,F:FFFFFFFF:FFF::FF,:FFFFFF:,FFF:FF:
FFF
@A00721:190:HGJW7DSXY:4:2430:14841:28416_2:N:0:TCTGCAAG+GCTGCACT
GAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACG
GTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGGTTAAGAATA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1371:2193:22670_2:N:0:TCTGCAAG+GCTGCACT
GATTGAAGGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTA
ATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATG
+
FFFFFFFFFFF:FFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2556:30743:1063_1:N:0:TCTGCAAG+GCTGCACT
GCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGC
ATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAAGGTGAGGAGACCATTTTCTTGC
TGA
+
:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2424:24442:32236_2:N:0:TCTGCAAG+GCTGCACT
CTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTC
GAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGT
+
FF
FFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2603:28429:25989_1:N:0:TCTGCAAG+GCTGCACT
ACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTAACCCAACTGAAGGACACTTCGAAACTTAA

TAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATATC
CAG

+

F::FF,FFF:,FF,FF,FF,,,FFFFFF,FF:::,FF,,,:FFF,FFF:FFF:::,FF,::,FF,FF
FF,FF,F,FF,FF,:FF,:F:FFF::,FFFFFF:F:F,FF:FFFF:FFFFFFFF:FFFFFF,:F,:FFF
::F

@A00721:190:HGJW7DSXY:4:2118:11288:21355_1:N:0:TCTGCAAG+GCTGCACT
CGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATCTTTTGATACAACTCTAGCCTTCAAG
TGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGA
AGA

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1457:6054:28948_2:N:0:TCTGCAAG+GCTGCACT
TGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGTTTTGAA
TTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTT

+

FFFFFFFF:FFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFF

@A00721:190:HGJW7DSXY:4:2337:31259:20807_2:N:0:TCTGCAAG+GCTGCACT
AAGGACTATGTTGACTGACGAAGATTTCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACA
CTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTA

+

FF
F:FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2258:12129:14105_1:N:0:TCTGCAAG+GCTGCACT
ATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACC
TTTACTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAG
TAA

+

FF:FF
FFF:FFFFFFFFFFFFFF:F:F:FF
FFF

@A00721:190:HGJW7DSXY:4:1127:15411:20134_2:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACCCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTG

+

FF,FFFFFFFFFFFFFF:FFF,FFF
FFFFFFFFFFFFFFFFFFFFFF:F:FFFFFF,FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1121:32732:11804_1:N:0:TCTGCAAG+GCTGCACT
ACCCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCT
GCCTTTACTCATTTTATAGCAGTTA

+

: ,FF, :F,FFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2632:13078:31407_2:N:0:TCTGCAAG+GCTGCACT
GATTGTTATCAATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTC
AAATGAGGTCAAAGCTCTATTTATTAACGAATATTATCCGATTCTT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2537:28619:4241_2:N:0:TCTGCAAG+GCTGCACT
TTTCGACAAATTTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGAT

CTTTTCAATAAGATGTATGATGATAATCTACTATTTTTTAAATAGTGAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1420:4562:6699_1:N:0:TCTGCAAG+GCTGCACT
TTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACT
TATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGAT
TAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1608:9164:4805_1:N:0:TCTGCAAG+GCTGCACT
GGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA
CAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATG
GTA

+

FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2671:9833:21433_1:N:0:TCTGCAAG+GCTGCACT
TTCCTCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATT
TATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATT
GTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1511:32145:12070_1:N:0:TCTGCAAG+GCTGCACT
CTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTT
ACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCCGC
TTC

+

FFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1347:7093:23109_1:N:0:TCTGCAAG+GCTGCACT
CTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACAGGACCCGCTGTGCAGAATAAC
CTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACG
GGC

+

FFFF:FF
FFFFFFFFF,:FF
FFF

@A00721:190:HGJW7DSXY:4:2374:6894:6449_1:N:0:TCTGCAAG+GCTGCACT
CAGACGTGTGCTCTTCCGATCTCTCAGTCAAAAGTCACATTCACCACTCCCATGCCAATCAATGATGT
GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCTCCG
CTG

+

FFFFFFFFFFF:FFFF:,FFF:FF:F:FFF:FFFFFFFFF,FFFFFF,F,FFFF:F::FFFF:FF,FF
FFFFFFFFFFFFFFFF::F,FFFFFFFFFFFF,:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF
,FF

@A00721:190:HGJW7DSXY:4:2147:13666:17049_1:N:0:TCTGCAAG+GCTGCACT
CAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGTAGTCTCTAAGTCTACCAGGAAG

AGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATT
ACC

+

:FFFF:FF:FF:FFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF,:
FFF

@A00721:190:HGJW7DSXY:4:2313:12870:35963_2:N:0:TCTGCAAG+GCTGCACT
ATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGCGGCTTGGGTCATTAAGGGTAGCT
GTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACA

+

FFFFFFFFFFFFFFFF:FF,F,FFFFFFFF
F::FF

@A00721:190:HGJW7DSXY:4:2323:17237:9580_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCAGTGAAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAG
CAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGA

+

FF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2442:32452:17018_2:N:0:TCTGCAAG+GCTGCACT
CGTTTGGAGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAG
GTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCTTAAGCACC

+

FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2353:12057:31203_2:N:0:TCTGCAAG+GCTGCACT
AGAGAGTGTGAGAGAGTCGCTCTCACTATTTTGGCCAGAATGCGGGCTTCTGACTGATGAGGTTAA
AACTCTTGCTCCTTCTGTGGGTGAGGGTTTTGTTATATTCACTGGTT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,F,FF,F:FFFFFFFF:FFFF:FFFFFFFFFFFF
FF:FFFF:F:,FFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFF,FFF

@A00721:190:HGJW7DSXY:4:1627:19859:36198_2:N:0:TCTGCAAG+GCTGCACT
ACACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGT
CAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FF::FFFFFFFF:FFFFFFFFFFFFFFFF::FFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1661:4182:20322_2:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCACTTCAGAGAGGGGAGCTCTGAAAA
GGAAGTTCGTCAGAAGATGAGGAAGTCTAAGAGATCGGAAGAGCGTC

+

FFFFFFFFF:F:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF:FFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFF:FF:FFFF,:F

@A00721:190:HGJW7DSXY:4:2460:27877:27477_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTAGATAATCTTTGAGAAGGGTCATAGAGCCAGCAAGAGAAGCTT

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF:FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1241:32099:31876_2:N:0:TCTGCAAG+GCTGCACT
GAATTCGGTAAGTACCATATTGTTCTTCCGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCC
GATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATC

+

FFF:FFFFFFFF,F,FFFFFFFFFFFF,FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFF,F
,FFFF:FFF,FFFF:FFFFFFFF:FF:,FF:FFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:1610:7310:18411_1:N:0:TCTGCAAG+GCTGCACT
TTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATG
ATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAG
TTT

+

FFFF,,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF,FFF,FF::F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2267:11351:24064_2:N:0:TCTGCAAG+GCTGCACT
TCATATCCAAAACCTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGA
GGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACG

+

FFFFFFFFFFFFFFFF:FFF:FF:FFF:FFFFFFFF,FF
FFFFFFFFFFFFFFFF:F:FFFFFFFF,FFF:,FFFFFFFF:F,FFF::FFF

@A00721:190:HGJW7DSXY:4:1204:14859:25222_1:N:0:TCTGCAAG+GCTGCACT
CAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTC
TTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTCGTCTTAGTTTGTCCC
GGC

+

FFFFFFF,:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF,FFFFFFFF:FFF:F:FFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFF:::
F:F

@A00721:190:HGJW7DSXY:4:1220:9824:13651_2:N:0:TCTGCAAG+GCTGCACT
CTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTTCTCAATAAAAATTTTTCTCAAGA
GATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTACGTACGTCAT

+

FF,FFFFFFFFFFFFFFFF:FF
FFFFFFFF,FFFF,FFF:FFF:FFF::FFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1466:32633:22968_2:N:0:TCTGCAAG+GCTGCACT
TTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCA
TCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACC

+

FF
FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2466:25644:9862_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTTGGGTACACGTTATGCTCGAACTTAACGTTAGT
ACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTACAGGACGCCTACGGTGACTTTAT
GG

+

FFFFFFFFFFF:FF,FFFFFFFFFFFFFFFF
:FF
FF

@A00721:190:HGJW7DSXY:4:2569:5041:9533_2:N:0:TCTGCAAG+GCTGCACT
CTACGGTCCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAA
CACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAG

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2644:11749:11130_2:N:0:TCTGCAAG+GCTGCACT
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTT
GAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAG

+

F,:FFFF,FFF,F:FFFFFFFF:F:FFFF,FF:FFFFFFFFFFFFFFFF:,F,FFFFFFFF,,:F:
F,FF,FFF:FFFF,,F,,F::FF,FFF,FF,,F::FFFF,F,FF:FF

@A00721:190:HGJW7DSXY:4:2331:24117:10535_2:N:0:TCTGCAAG+GCTGCACT
GTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAAC
ATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1646:31123:34256_1:N:0:TCTGCAAG+GCTGCACT
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGA
CGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAG
AAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1522:31774:35884_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGTTGTGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCCGCGCG

+

FFFFFFFFFFFFFF:FFFFF::FF
FFFFFFFFFFFF:FF,FFFFF

@A00721:190:HGJW7DSXY:4:1552:26946:10520_2:N:0:TCTGCAAG+GCTGCACT
CGATTGGTCAACGTCGGAGTGGTACTGCTAACACATTCTTTGGTAATTGTATGATCACTCTTATGATG
CTCTCTCTTTATTACGACCTTCGGAAGTTTAGAGCCGTCGCTGTCGCC

+

FF
FFFFFFFF:F,FF

@A00721:190:HGJW7DSXY:4:2501:14516:35086_2:N:0:TCTGCAAG+GCTGCACT
TTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCAGCTTTCCTTG
TGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTA

+

FFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2501:13702:6965_2:N:0:TCTGCAAG+GCTGCACT
GCGAGAGCGACCAAGATCTAAATTTCGTAACGGTGCCTGGCGCTTTATTTTAAAAAGCTCCCTCCTCT
CGCAAGTTTGATCTGATACTTATCACGAAAGGACTTGAGTCTTTTGAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1329:23746:20541_2:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGA
CCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1363:17155:7654_2:N:0:TCTGCAAG+GCTGCACT
AAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAG
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1634:7193:8813_1:N:0:TCTGCAAG+GCTGCACT
TGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATG
ACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTAC
AA

+
FFFFF,FF:FFF,FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF:FFFFFFFF,
FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFF:
F:
@A00721:190:HGJW7DSXY:4:1436:23466:24001_2:N:0:TCTGCAAG+GCTGCACT
AATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTT
TGGTTGTTAGGGATTTTGGAGAGAGTGAAAGGCTTCAATTGTAGTGGTT
+
FFFFFFFFFFFFFFFF:FFFFFFFF,FF: ,F
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:2516:18186:13479_2:N:0:TCTGCAAG+GCTGCACT
GTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACC
TGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGAT
+
FFFFFFFF:FF
FF:FF::
@A00721:190:HGJW7DSXY:4:2323:16080:10300_1:N:0:TCTGCAAG+GCTGCACT
TCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACG
TTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATG
AAG
+
FF,FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1513:26106:35117_1:N:0:TCTGCAAG+GCTGCACT
GTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTCAGTTTCACAACTGAAGGAGGAGG
TTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTACTTATGACGAT
CTA
+
FF
FFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1647:19859:4695_2:N:0:TCTGCAAG+GCTGCACT
TTCCGGCCGGTGGTAGCTCATTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT
GAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGA
+
FF:
FF:FFFFFF
@A00721:190:HGJW7DSXY:4:1658:27977:8578_1:N:0:TCTGCAAG+GCTGCACT
TCTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCG
TTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAA
CCA
+
FFFFFFFFFFFFFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1359:14570:4210_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCTCTCTTTAATGGCA
CTACCTCGGTACAATCTTACTTGAACGAAGGCGACCTTCGGAGTTT
+
FF,FFFF:F:FFFF:FFFFFFFF:FF:FF:F:FF,FFFF:FF:FFFF:FFFFFFFF,F,FFF:FF
FF:,FFFFFFFF:FF:F,FFF,,FFFFFFFF::F:F:F:FFFFFFFF,
@A00721:190:HGJW7DSXY:4:1610:24325:7889_1:N:0:TCTGCAAG+GCTGCACT
TCTATATTAGGTGAAGCGAAATACGATTTCAACGTCACGTTTACCGAGTTTCGTTTCGTACCTTGA

FFFFFFFFFFFFFFFFFFFFF:F:FFF
FFF

@A00721:190:HGJW7DSXY:4:1460:18213:35164_2:N:0:TCTGCAAG+GCTGCACT
TGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAA
TTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTT

+
FFF:FFFFF:FFFFFFFFFFFFFFF,FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2625:5846:11271_2:N:0:TCTGCAAG+GCTGCACT
AAGGACTATGTTGACTGACGAAGATTTTCCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACA
CTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTA

+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2430:15257:14763_1:N:0:TCTGCAAG+GCTGCACT
ATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCCGAACAACC
TTTACTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAG
TAA

+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1218:26612:7091_2:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACACCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTG

+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1606:24325:13244_1:N:0:TCTGCAAG+GCTGCACT
ACCCCAACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGA

+
:,FF:,,:FFF
@A00721:190:HGJW7DSXY:4:1413:30508:21762_2:N:0:TCTGCAAG+GCTGCACT
AATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTC
AAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAGGGTATC

+
FFF,FFFFFFFFFFFFFFF:FFFFFFF
FFFF,FFFF:FFFFFFFFF,FFFFFFFFFF,FFFFFFFFF:FFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2567:32615:6339_2:N:0:TCTGCAAG+GCTGCACT
TTTCGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGAT
CTTTTCAATAAGATGTATGATGATAATCTACTATTTTAAATAGTGAT

+
FFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFF:FFFFFFF:FFFFFFF,FFFFFFFFFF:FFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2123:9959:4492_1:N:0:TCTGCAAG+GCTGCACT
TTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACT
TATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGAT
TAG

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2164:11379:31501_1:N:0:TCTGCAAG+GCTGCACT
GGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA

CAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAATG
GTA

+

FF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1212:9399:25347_2:N:0:TCTGCAAG+GCTGCACT
TCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCA
CACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTT

+

FF
FFFFFFFF, :FF

@A00721:190:HGJW7DSXY:4:1534:6497:18850_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGT
GCC

+

FFFFF:FFFFFFFF: :FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1529:9435:28948_1:N:0:TCTGCAAG+GCTGCACT
CTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACAGGGACCCGCTGTGCAGAATAAC
CTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACG
GGC

+

FF:FF
FFFFFFFFFFFF, FF:F:FF
FFF

@A00721:190:HGJW7DSXY:4:2461:32099:22326_1:N:0:TCTGCAAG+GCTGCACT
CAGACGTGTGCTCTTCCGATCTCTCAGTCAAAAGTCACATTCACCACTCCCATGCCAATCAATGATGT
GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCTCCG
CTG

+

FFFFFFF:FFFFFF:F:FF:FFF,FFFF, :FF: :FFFFFF:FFFFFF:F:F, F:FF:F:FFFFFF:F
FFFFFFF, FFF:FF, FF:F:FFFFFFFFFFFF:FF:FFFFFF:FFFFFF, FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2161:24252:20196_1:N:0:TCTGCAAG+GCTGCACT
CAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAG
AGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAGGTCCATCAGGACCTAAGAAGGGGAAATT
ACC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2318:31702:13495_2:N:0:TCTGCAAG+GCTGCACT
ATCTGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCT
GTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACA

+

FFFFFFFFFFFFFFFF, F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, FFFF:FFFFFFFFFFFFFFFF, :FF
FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2576:4453:13088_2:N:0:TCTGCAAG+GCTGCACT
AAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAG
CAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGA

+

FF
FFFFFFFF:FFFF:FF
@A00721:190:HGJW7DSXY:4:2443:2239:6245_2:N:0:TCTGCAAG+GCTGCACT
CGTTTGGAGATTTTATCCGCGCTTAATACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAG
GTTGGCATATTTATGCCGACGATAATAAGCAGGTCACCCTTAAGCACC
+
FFF:FFFFFFFF:FFF:FFFFFFFF,FFFFFFFFFFFF:FFFFFFFF,FFF:FFF::F:FFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:2606:8811:3881_2:N:0:TCTGCAAG+GCTGCACT
AGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGCTTTCTGACTGATGAGGTAA
AACTCTTGCTCCTTCTGTGGGTGAGGGTTTTGTTATATTCACTGGTT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,F:FFFFFFFF,FF,:FFF:FF,:FFF:,F,:F,FFFF
FF,F:FF:FF,F,F:,:FFF,:,:FFFFFFFF::FF:FFF,F,,FFF
@A00721:190:HGJW7DSXY:4:2336:14479:14231_2:N:0:TCTGCAAG+GCTGCACT
ACACTTTTCTTGAAAATTTTCTTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGAAGGTGT
CAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2174:12536:30154_2:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCACTTCAGAGAGGGGAGCTCTGAAAA
GAAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGA
+
FF
FFF:FF:F
@A00721:190:HGJW7DSXY:4:2566:15085:8077_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGGTACCATTCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTTAGATAATCTTTGAGAAGGGTCATAGAGCCAGCAAGAGAAGCTT
+
FFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFFF,F,FFFF:FFF:FFFFFFFFFFFF,FF:FFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1313:2410:18411_2:N:0:TCTGCAAG+GCTGCACT
GAATTCGGTAACCTTACCATATTGTTCTTCCGGGAAGTAGTGGGATTTAACTTTGACTCAACTACTCC
GATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATC
+
FF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1611:10104:13855_1:N:0:TCTGCAAG+GCTGCACT
TTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATG
ATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAG
TTT
+
FFFFF:FF:F:FFFF:FFFF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2449:17698:29011_2:N:0:TCTGCAAG+GCTGCACT
TCATATCCAAAACCTCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGA
GGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFF:FFF
FFF:FFFFFFFFFFFF,FFFFFF:FFFFFF,FFFF:FFF:FFFF
@A00721:190:HGJW7DSXY:4:1652:25346:5963_1:N:0:TCTGCAAG+GCTGCACT
CAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTC

$+$

@A00721:190:HGJW7DSXY:4:1566:5665:34475_2:N:0:TCTGCAAG+GCTGCACT
CGATTGGTCAACGTCGGAGTGGTACTGCTAACACATTCTTTGGTAATTGTATGATCACTCTTATGATG
CTCTCTCTTTATTACGACCTTCGGAAGTTTAGAGCCGTCGCTGTCGCC

+

@A00721:190:HGJW7DSXY:4:2533:24225:29575_2:N:0:TCTGCAAG+GCTGCACT
TTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTG
TGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTA

+

@A00721:190:HGJW7DSXY:4:2659:22842:34757_2:N:0:TCTGCAAG+GCTGCACT
TCGAGAGCGACCAAGATCTAAATTCGGTAACGGTGCGTGTGCTTTATTTTAAAAGCTCCCTCCTCT
CGCAAGTTTTATCTGATACTTATCACGAAAGGACTAGAGTCTTTTGAT

+

@A00721:190:HGJW7DSXY:4:1629:25220:31861_2:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCCAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGA
CCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCT

+

@A00721:190:HGJW7DSXY:4:1453:13666:21277_2:N:0:TCTGCAAG+GCTGCACT
AAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAG
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTG

 $+$

@A00721:190:HGJW7DSXY:4:1232:19452:12853_1:N:0:TCTGCAAG+GCTGCACT
GTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGA
CACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACA
AGG

+

@A00721:190:HGJW7DSXY:4:1516:15157:21136_2:N:0:TCTGCAAG+GCTGCACT
AATTGGTCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTT
TGGTTGTTAGGGATTTTGAAGAGAGTGAAGGCTTCAATTGTAGTGGTT

+

@A00721:190:HGJW7DSXY:4:2516:18358:14215_2:N:0:TCTGCAAG+GCTGCACT
GTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACC
TGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGAT

+

@A00721:190:HGJW7DSXY:4:2348:19407:2534_1:N:0:TCTGCAAG+GCTGCACT
TCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTACG
TTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATG
AAG

+

FF:FFFFFFFF:FF
FFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1617:16351:31688_1:N:0:TCTGCAAG+GCTGCACT
GTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGG
TTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTACTTATGACGAT
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2211:12798:13072_2:N:0:TCTGCAAG+GCTGCACT
TTCCGGCCGGTGGTAGCTCATTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT
GAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1566:18014:24424_1:N:0:TCTGCAAG+GCTGCACT
CTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGT
TCAGGTGCATGGGGTTGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAAC
CA

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:1378:20094:1344_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCTCTCTTTAATGGCA
CTACCTCGGTACAATCTTACTTGAACGAAGGCGACCTTCCGGAGTTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1612:13602:18568_1:N:0:TCTGCAAG+GCTGCACT
TCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGA
TGCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGGC
CTC

+

F:FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2259:31919:8328_1:N:0:TCTGCAAG+GCTGCACT
TGGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAG
TTTATAAGGAACATATCCATTTGTTGTAATAGGTCATCAACTTAGAACTCGAACTCTAAGTGGTAA
TAC

+

FF
FFFFF:FF:FFFFFFFFFF:FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2642:7726:25238_2:N:0:TCTGCAAG+GCTGCACT
GAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACG

+

@A00721:190:HGJW7DSXY:4:1632:6280:36229_2:N:0:TCTGCAAG+GCTGCACT
GATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCTACGATACAAATGATACTTCTA
ATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATG

+

@A00721:190:HGJW7DSXY:4:2648:8043:2174_1:N:0:TCTGCAAG+GCTGCACT
GCATTTGATAATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGC
ATCTCGTGTCGAGCCTCGACCCTATTATATGGTATTAAC TTATAAAGGTGAGGAGACCATTTTCTTGC
TGA

+

@A00721:190:HGJW7DSXY:4:2610:11044:14794_2:N:0:TCTGCAAG+GCTGCACT
CTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACACTAGTTC
GAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGT

+

@A00721:190:HGJW7DSXY:4:2475:3974:6934_1:N:0:TCTGCAAG+GCTGCACT
GATCTATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAATGAAGGACACTTCGAAACTGAAT
AATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATATCC
AGA

 $+$

@A00721:190:HGJW7DSXY:4:2364:4589:7842_1:N:0:TCTGCAAG+GCTGCACT
CGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAAATTCTTTTGATACAACCTCTAGCCTTCAAG
TGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGA
AGA

+

@A00721:190:HGJW7DSXY:4:2134:6460:33066_2:N:0:TCTGCAAG+GCTGCACT
TGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAA
TTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAAATTATT

+

@A00721:190:HGJW7DSXY:4:1370:29803:18067_1:N:0:TCTGCAAG+GCTGCACT
CCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAA
GGGAGTCATAACTTTTGTTACCAAATTCTTGGCTTTC AACGAAGTCTCTGATTTTATTAATCATTACT
TTA

+

[illegible]

@A00721:190:HGJW7DSXY:4:1473:31259:32800_2:N:0:TCTGCAAG+GCTGCACT
TCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATC
TTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGT

+

FF
:FF

@A00721:190:HGJW7DSXY:4:1320:26666:20494_2:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTG

+

FFFFFFF:FF
FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1219:8730:33489_2:N:0:TCTGCAAG+GCTGCACT
TCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTG
CCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTT

+

FFF:FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF:FF:FF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2245:11559:31093_2:N:0:TCTGCAAG+GCTGCACT
AATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTC
AAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFF,FFFFFF

@A00721:190:HGJW7DSXY:4:2654:18774:1376_2:N:0:TCTGCAAG+GCTGCACT
TTTCGACAAATTTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGAT
CTTTTCAATAAGATGTATGATGATAATCTACTATTTTAAATAGTGAT

+

FFFFFF:FFF:,FFF:FF,F:FFFFF,F:FFF:F:FFFFFFFFF::FF,F:,FFF:FFF::FFFFFFFF
FFFFFFFFFFFFFFFF::FFFFFFFFFFFFFF,F:F:FF:F:F:FFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2174:20546:7670_1:N:0:TCTGCAAG+GCTGCACT
TTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACT
TATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGAT
TAG

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2170:9073:13761_1:N:0:TCTGCAAG+GCTGCACT
GGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA
CAAACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAATG
GTA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FF
:FF

@A00721:190:HGJW7DSXY:4:1220:20889:10582_2:N:0:TCTGCAAG+GCTGCACT
TCTCGGTAATGAGAGTGATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCA
CACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTT

+

FFFFF:FF
FFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1638:30472:3787_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT

@A00721:190:HGJW7DSXY:4:2178:3929:26616_2:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTGATTTTCTGAGAGGGGAGCTCTGAAAA
GGAAGTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2657:27877:15671_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTT

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1322:22164:1078_2:N:0:TCTGCAAG+GCTGCACT
GAATTCGGTAAGTACCATATTGTTCTTCCGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCC
GATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATC

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFF,FF:FF

@A00721:190:HGJW7DSXY:4:1653:28013:30937_1:N:0:TCTGCAAG+GCTGCACT
TTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATG
ATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAG
TTT

+

FF:F:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF: ,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: :FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2505:15709:21652_2:N:0:TCTGCAAG+GCTGCACT
TCATATCCAAACTCCTTGAATGGAGTACATATTTGCAACCCTATTCTTGATGTGAAAGATGCATCTA
GGTATACGTCTATGAACATTGATTGGGAACGTACCTACTCACGAGACG

+

F,FFFFFFFFFFFFFFFF,FF::FFFFFFFFFFFF:F:FF,F,FF,F:FFF:FFFFFFFF:FFFFFF,,F
F,FFFF,FFFF,FFF,,FF:F:FFFFFF,FFFF:FFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:2462:28456:28447_1:N:0:TCTGCAAG+GCTGCACT
CAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATCTCTC
TTGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTC
GGC

+

FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1549:21721:21825_2:N:0:TCTGCAAG+GCTGCACT
CTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTTCTCAATAAAAAATTTTCTCAAGA
GATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTACGTACGTCAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2223:21414:14434_2:N:0:TCTGCAAG+GCTGCACT
TTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCA
TCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACC

+

FF
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1238:17842:32049_2:N:0:TCTGCAAG+GCTGCACT
TTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAGTAC

+

@

+

@

+

@

+

@

+

@

+

@

+

@

+

@

@A00721:190:HGJW7DSXY:4:1560:20292:6699_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAACGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTG
AAT

+
FFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2618:25717:3129_2:N:0:TCTGCAAG+GCTGCACT
GGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAG
GTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGAGAAAACCTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2215:5900:15718_1:N:0:TCTGCAAG+GCTGCACT
ATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGT
CGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCC
TTT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2629:16224:12023_2:N:0:TCTGCAAG+GCTGCACT
GTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAAC
ATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2525:18041:7780_1:N:0:TCTGCAAG+GCTGCACT
CGGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGA
CGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAG
AAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1538:1479:20337_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1631:26928:28056_2:N:0:TCTGCAAG+GCTGCACT
CGATTGGTCAACGTCGGAGTGGTACTGCTAACACATTCTTGGTAATTGTATGATCACTCTTATGATG
CTCTCTCTTTATTACGACCTTCGGAAGTTTAGAGCCGTCGCTGTCGCC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2533:25003:28354_2:N:0:TCTGCAAG+GCTGCACT
TTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTG
TGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTA
+
FFFFFFF:FF:
FFFFFFFFF,FFFF:F:FF:F,:FFFFFFFFFFFFFFFFF:F,F,FFFFFF
@A00721:190:HGJW7DSXY:4:2468:27245:31454_2:N:0:TCTGCAAG+GCTGCACT
CTAAATTCGGTAACGGTGCGTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGAT
ACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACC
+

FF
FFFF:FF:FF
@A00721:190:HGJW7DSXY:4:1168:20112:30655_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGA
CCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1472:8648:16908_2:N:0:TCTGCAAG+GCTGCACT
AAAACGTCTTCGACAACAGCAGGGGTTTTGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAG
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTG
+
FFFFFFF:F:FF
FFF,FF
FFF
@A00721:190:HGJW7DSXY:4:1341:5367:31109_1:N:0:TCTGCAAG+GCTGCACT
GTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGA
CACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACA
AGG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1671:20898:2926_2:N:0:TCTGCAAG+GCTGCACT
AATTGGTCCTACTTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTT
TGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGATGTTG
+
FF
FFF:FFF:FF
@A00721:190:HGJW7DSXY:4:1453:25672:36652_2:N:0:TCTGCAAG+GCTGCACT
CAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCT
TTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGG
+
FF
FFF:FFF:FF
@A00721:190:HGJW7DSXY:4:2370:17427:20337_1:N:0:TCTGCAAG+GCTGCACT
TCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACG
TTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTTGAGGTCGTGACGTTGATG
AAG
+
FF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2421:19180:3803_1:N:0:TCTGCAAG+GCTGCACT
GTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAACTTTTCAGTTTCACAACTGAAGGAGGAGG
TTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTACTTATGACGAT
CTA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2250:5267:4820_2:N:0:TCTGCAAG+GCTGCACT
TTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT

GAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1241:7708:7639_1:N:0:TCTGCAAG+GCTGCACT
CTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGT
TCAGGTGCATGGGGTTGCATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAAC
CAA

+

FFFFFF,FFF,FFF:FFFFFFFFFFFFFFFF:FF:FFFFFF,F:FFFFFFFF:FFFFFFFFFFFF,F:FFFFFF
F,:FFF::,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1444:11487:1814_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCA
CTACCTCGGTACAATCTTACTTGAACGAAGGCGACCTTCCGGAGTTT

+

FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FF,FFFFFFFF:FFF:FF
FFFFFFFFFFFF,FF::FFFFFFFFFFFF::FF,FFFFFFFFF,FFFFFFF

@A00721:190:HGJW7DSXY:4:1121:29342:19492_1:N:0:TCTGCAAG+GCTGCACT
CTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGAT
GCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCGCTTAGTGCGAGGCC
TCT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FF:FF,FFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1421:6542:28228_2:N:0:TCTGCAAG+GCTGCACT
GGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGT
TTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1169:2365:13260_2:N:0:TCTGCAAG+GCTGCACT
TGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTT
TATCGTGGGCTTTCGTAAAGGAAGATCTGTTATCGACGGTTTATCGT

+

FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2113:16758:24815_2:N:0:TCTGCAAG+GCTGCACT
GATTGAAGGACAATTTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTA
ATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATG

+

FFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFF
,FFFF:F:FFFFFFFF:FFFFFFFFFFFF:F:FFFFFFFF:FFFFFFFF:

@A00721:190:HGJW7DSXY:4:2650:17183:18505_1:N:0:TCTGCAAG+GCTGCACT
GCATTTGATAATAATGACGAGACTTTCGTACATAATCGCTGCATATTACGGATTACACGGTACCAGCGC
ATCTCGTGTGAGCCTCGACCCTATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGC
TGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2678:14380:29277_2:N:0:TCTGCAAG+GCTGCACT
CTTATAATAAATAAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTC

+

@A00721:190:HGJW7DSXY:4:2538:9670:18333_1:N:0:TCTGCAAG+GCTGCACT
GATCTATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAAT
AATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAATATCC
AGA

+

@A00721:190:HGJW7DSXY:4:2527:1624:3834_1:N:0:TCTGCAAG+GCTGCACT
CGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAGCCTTCAAG
TGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGA
AGA

+

@A00721:190:HGJW7DSXY:4:2226:23366:10394_2:N:0:TCTGCAAG+GCTGCACT
TGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAA
TTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAAATTATTT

+

@A00721:190:HGJW7DSXY:4:1453:25084:1251_1:N:0:TCTGCAAG+GCTGCACT
CCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAA
GGGAGTCATAACTTTTGTTACCAAATTCTTGGCTTTC AACGAAGTCTCTGATTTTATTAATCATTACT
TTA

+

@A00721:190:HGJW7DSXY:4:1601:17607:34053_2:N:0:TCTGCAAG+GCTGCACT
TCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGAACAACTTTACTTAGAATGACTCTATC
TTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGT

+

@A00721:190:HGJW7DSXY:4:1328:28845:26866_2:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACCCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTG

+

@A00721:190:HGJW7DSXY:4:2123:22679:22764_2:N:0:TCTGCAAG+GCTGCACT
TCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTG
CCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTT

+

@A00721:190:HGJW7DSXY:4:2374:15456:28761_2:N:0:TCTGCAAG+GCTGCACT
AATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTC

+

@A00721:190:HGJW7DSXY:4:2261:10809:30639_2:N:0:TCTGCAAG+GCTGCACT
TTTCGACAAATTTTAGAACTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC
TTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATA

+

@A00721:190:HGJW7DSXY:4:2461:5204:25034_1:N:0:TCTGCAAG+GCTGCACT
TTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACT
TATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGAT
TAG

+

@A00721:190:HGJW7DSXY:4:2170:9525:13823_1:N:0:TCTGCAAG+GCTGCACT
GGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA
CAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTTACATTTTTAATG
GTA

+

@A00721:190:HGJW7DSXY:4:1266:19144:9909_2:N:0:TCTGCAAG+GCTGCACT
TCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCA
CACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAATTT

+

@A00721:190:HGJW7DSXY:4:2138:5990:36479_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTAATATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGGATGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACT
GCC

+

@A00721:190:HGJW7DSXY:4:2167:3441:17754_1:N:0:TCTGCAAG+GCTGCACT
CTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACAGGGACCCGCTGTGCAGAATAAC
CTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACG
GGC

+

@A00721:190:HGJW7DSXY:4:2548:23158:26193_1:N:0:TCTGCAAG+GCTGCACT
CAGACGTGTGCTCTTCCGATCTCTCAGTCAAAAGTCACATTCACCACTCCCATGCCAATCAATGATGT
GACTATACAGTTCGCCATTTCAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTG

+

[illegible]

FFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF,F:FFF:FFFFFFFFFFFF,FFFF
FFFFFFFF:FFFFFF:FFFF:FF:FFFF,FFFF,:FFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2144:14895:35180_2:N:0:TCTGCAAG+GCTGCACT
TTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGAATAGCCACAGACTTTCTGGGAAAAGAG
ACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGC

+

FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1625:14434:21981_1:N:0:TCTGCAAG+GCTGCACT
ACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCTGACGTCATTACA
GTCTGGAAGTTAGATCATTTGTTGAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCT
AAA

+

FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1534:16712:3161_1:N:0:TCTGCAAG+GCTGCACT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTG
TCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTT
GAA

+

FFFFFFFFFFFFFFFFF:FF:FFF
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:F
@A00721:190:HGJW7DSXY:4:2173:5963:27258_2:N:0:TCTGCAAG+GCTGCACT
TAAAGCCTGTCCAGTTGTCGATGATGTTTCGGGCTGTGGGATTAACCTCCCTCGTGAACTTACGACG
ATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGCCA

+

FFF
FFF
@A00721:190:HGJW7DSXY:4:1639:3269:1297_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTG
AAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1532:32145:4272_2:N:0:TCTGCAAG+GCTGCACT
TCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGT
TGAAGAGAAAAGTATGATTGCGGCTGATCGTACCCAATTCCTGC

+

FFFFFFFFFFFFF::FFFFFFF:FFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2452:26078:13056_1:N:0:TCTGCAAG+GCTGCACT
ATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAAGAGCTGATTCTTATTGCATGAACGT
CGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCC
TTT

+

FFFFFFFFFFFF,FFF
FFF:FF:FFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2640:25409:27211_2:N:0:TCTGCAAG+GCTGCACT
GTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAAC

ATCAACGACATCATTCTTGATGAGTGTGCGTTCTTATCGAAGTCTCAGT
+
FF:FFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2509:10827:33990_1:N:0:TCTGCAAG+GCTGCACT
GGGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGAC
ACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAA
GAG
+
FF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1538:2501:22357_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGTTGTGCGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG
+
FFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFF:FFFF:FFFFFFFFFFFFFFFF,FFFF:FFFFFFFF
FFFFFF:FF:FFFFFFFFFFFF:FFFF:F:FF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2107:32271:25629_2:N:0:TCTGCAAG+GCTGCACT
CGATTGGTCAACGTCGGAGTGGTACTGCTAACACATTCTTTGGTAATTGTATGATCACTCTTATGATG
CTCTCTCTTTATTACGACCTTCGGAAGTTTAGAGCCGTCGCTGTGCGC
+
FF:FFFFFF
FFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFF:F:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2644:15176:13620_2:N:0:TCTGCAAG+GCTGCACT
TTTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTG
TGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTA
+
FF:FFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2664:2040:18333_2:N:0:TCTGCAAG+GCTGCACT
CTAAATTCGGTAACGGTGCCTGGCGCTTTATTTTAAAAAGCTCCCTCCTCTCGCAAGTTTGATCTGAT
ACTTATCACGAAAGGACTTGAGTCTTTTGATCAGTCTCTGACTTGACC
+
FF:FFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1217:32651:5055_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGA
CCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT
+
FFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFF,FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1570:10357:3114_2:N:0:TCTGCAAG+GCTGCACT
AAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAG
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTG
+
FFF:FFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF:F
FFFF:FF,FFFFFFFF:FFFF,FFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2150:1461:23688_1:N:0:TCTGCAAG+GCTGCACT
GTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTCTAATAATGATGA
CACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACA
AGG

+
FFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2302:30816:28025_2:N:0:TCTGCAAG+GCTGCACT
AATTGGTCTACTTTTGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTT
TGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTT

+
FFFFFFFFFFFFFFFFF:FFF
FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1562:11207:26663_2:N:0:TCTGCAAG+GCTGCACT
CAGTCAGTACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCT
TTCATATTATGAATGAACCTTCGC CGCTCTCTTTGCTTCGATGTTGG

+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF:FF,F F

@A00721:190:HGJW7DSXY:4:2370:17454:20322_1:N:0:TCTGCAAG+GCTGCACT
TCAGAATGGGATTCCTACGTAGTTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTACG
TTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGAGGTCGTGACGTTGATG
AAG

+
FF,FF
FFFFFFFFFFFFFFFFF:FF,F FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2454:4291:2848_1:N:0:TCTGCAAG+GCTGCACT
GTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTCACAACTGAAGGAGGAGG
TTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTTGAAC TACTTATGACGAT
CTA

+
FFFFFFF:FF
FF:F FFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2511:6569:19476_2:N:0:TCTGCAAG+GCTGCACT
TTCCGGCCGGTGGTAGCTCATTTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT
GAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGA

+
FFF
FFFFFFFFF:FF:FFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1355:21676:20713_1:N:0:TCTGCAAG+GCTGCACT
CTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAA GATAGAGAGTCATACTTTGGGCTATCGT
TCAGGTGCATGGGGTTGCATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAAC
CAA

+
:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:F F
FFF

@A00721:190:HGJW7DSXY:4:1562:12219:35775_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCTTTAATGGCA
CTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTTCCGGAGTTT

+
FF:F FFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F FFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2238:5602:23531_1:N:0:TCTGCAAG+GCTGCACT
CTATATTAGGTGAAGCGAAATACGATTTTCGAACGTCAACGTT CACCGAGTTTCGTTTCGTACCTTGAT

GCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCC
TCT

+

F:FFFFFFFF:FF:FFFF:FFFFFF, :FFFFFFFFFFFF:FFFF, FFF, FF, FFFFFFFFFF, , F:
, FF, FFF: F, F, FFFFFFFFF:FFFF:F: , , FFFFFFFFF:FFFFFFFF, :FFFFF:FF, F: , F:
:FF

@A00721:190:HGJW7DSXY:4:2221:32750:26083_2:N:0:TCTGCAAG+GCTGCACT
GGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGT
TTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAAC

+

FFFFFFFFFFFFFFFF:FFFF:FF:FFFFFFFF:FFF
FFFFFFFF:FFFFFFFF:FF:FFFFF:FF:FF, FFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1177:5873:36432_2:N:0:TCTGCAAG+GCTGCACT
TGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTT
TATCGTGGGCTTTCGTAAAGGAAGATCTGTTATCGACGGTTTATCGT

+

FFF:FF:FF:FFFFFFFF:F
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2140:27498:12414_2:N:0:TCTGCAAG+GCTGCACT
GATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTA
ATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATG

+

FFFFFFFFFFFFFF:FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2672:5412:9267_1:N:0:TCTGCAAG+GCTGCACT
GCATTTGATAATAATGACGAGACTTTCGTCAATAATCGCTGCATATTACGGATTACACGGTACCAGCGC
ATCTCGTGTGCGAGCCTCGACCCTATTATATGGTATTAAGTTATAAAGGTGAGGAGACCATTTTCTTGC
TGA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2343:31159:29027_2:N:0:TCTGCAAG+GCTGCACT
AAATAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTT
GGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGAC

+

FFFFFFFFFFFFFFFFFFFFFFFF, FF
FFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1634:13150:18787_2:N:0:TCTGCAAG+GCTGCACT
TGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAA
TATGCAGACGACGACGAAGCTTATACTACTTTAATTTTGGGTATTATG

+

FF:FFFFFFFFFFFFFFFF
FF, FFFFFFFF, FFFF

@A00721:190:HGJW7DSXY:4:2534:22444:4539_1:N:0:TCTGCAAG+GCTGCACT
CGCCATTGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCTAGCCTTCAAG
TGGGGTATGCCTGCGGAATACGCTTGCTATTACACGATTGGTTTCAACCCGTTGATGCTATGTCAGA
AGA

+

FFFFFFFFF:FF:FFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2244:13666:34522_2:N:0:TCTGCAAG+GCTGCACT
TGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAA

+

@A00721:190:HGJW7DSXY:4:2337:17454:10457_1:N:0:TCTGCAAG+GCTGCACT
CCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAA
GGGAGTCATAACTTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACT
TTA

+

@A00721:190:HGJW7DSXY:4:2101:6542:14043_2:N:0:TCTGCAAG+GCTGCACT
TCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACTCTATC
TTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGT

+

@A00721:190:HGJW7DSXY:4:1505:31747:32330_2:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACCCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTG

+

@A00721:190:HGJW7DSXY:4:2216:31937:17816_2:N:0:TCTGCAAG+GCTGCACT
TCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTG
CCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTT

+

@A00721:190:HGJW7DSXY:4:2544:6894:10614_2:N:0:TCTGCAAG+GCTGCACT
AATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTC
AAAGCTCTATTTATTAACGAAGTATTATCCGATTCTTCGAGGGTATC

 $+$

@A00721:190:HGJW7DSXY:4:2266:2428:23359_2:N:0:TCTGCAAG+GCTGCACT
TTCGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC
TTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATA

+

@A00721:190:HGJW7DSXY:4:2512:19208:11553_1:N:0:TCTGCAAG+GCTGCACT
TTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACT
TATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGAT
TAG

+

@A00721:190:HGJW7DSXY:4:2332:10782:36636_1:N:0:TCTGCAAG+GCTGCACT
GGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA
CAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTTACATTTTTAATG
GTA

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2224:14425:23218_2:N:0:TCTGCAAG+GCTGCACT
TCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTGGGATTTATCA
CACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTT
+
FFFFFFFFF,FFFFFFFFFFFFFFFFF:F::F,FFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFF::FFFF,FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2138:7726:36479_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC
GCC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2167:4056:19476_1:N:0:TCTGCAAG+GCTGCACT
CTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACAGGACCCGCTGTGCAGAATAAC
CTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACG
GGC
+
FF:FFFFFFFFFFFFFFFFF:FFF:FFF
FFFFFFFFF:FFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1658:4562:18192_1:N:0:TCTGCAAG+GCTGCACT
TGTGGGAACTGAGGCAGTACCTCAGTCAAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGA
CTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCT
GGC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2542:29053:31391_1:N:0:TCTGCAAG+GCTGCACT
CAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAG
AGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATT
ACC
+
FFF,FFFFFFFFF,FFF
FFF:FFFFF:
FFF
@A00721:190:HGJW7DSXY:4:1317:21206:28667_2:N:0:TCTGCAAG+GCTGCACT
TGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTA
AAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTA
+
:FFF
FFF
@A00721:190:HGJW7DSXY:4:1124:3549:14121_2:N:0:TCTGCAAG+GCTGCACT
CTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGT
CGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTT
+
FFF
FFFF:FFFF,FFFFFFFFFFFFFFFFF:F:FFFFF:FFFFFFFFFFFFF

+

+

+

+

+

+

+

+

[illegible]

@A00721:190:HGJW7DSXY:4:1611:8106:4726_2:N:0:TCTGCAAG+GCTGCACT
CTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTTCCTCAATAAAAATTTTCTCAAGA
GATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTACAGTACGTCAT

+

FFFFFFFFFFFFFFFF:FF:FF
FFFF:FF:F:

@A00721:190:HGJW7DSXY:4:2451:2754:21731_2:N:0:TCTGCAAG+GCTGCACT
TTCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCA
TCTCGGGGAAAGTGATTACCAAGATGTTTCATATAGATACGAGATACC

+

FF:FFFF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1614:29740:13291_2:N:0:TCTGCAAG+GCTGCACT
TTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAGTAC
CGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTACAGGA

+

FF,FFFFFFFFF
FF,FFFFFFF

@A00721:190:HGJW7DSXY:4:2567:6135:23797_2:N:0:TCTGCAAG+GCTGCACT
ACGGTCTTATCAAAGAAAATGGTGAACCGGTCTCTAAATCTTTTGAGATTGAGAAGATTGAAGAACA
CGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1643:1850:18944_2:N:0:TCTGCAAG+GCTGCACT
TCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGA
TGTTGTAAAGAATTGGGTTGAGAAGTGCTTTACAAGGAGTTAGACT

+

FFFFF:FF:FFFFF
FF

@A00721:190:HGJW7DSXY:4:2574:14669:9173_2:N:0:TCTGCAAG+GCTGCACT
ATCACCACCTTTTGAAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGCGGTTCTCAAGGCTCT
CATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATAGATCGGA

+

FF:FFFFFFF
FFFFFFF:F:FFFF,FFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2176:6894:7764_2:N:0:TCTGCAAG+GCTGCACT
TTCAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAG
ACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGC

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFF:,FF

@A00721:190:HGJW7DSXY:4:1643:12427:10488_1:N:0:TCTGCAAG+GCTGCACT
ACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCATTACA
GTCTGGAAGTTAGATCATTTGTTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCT
AAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F:FF
F::FFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1570:4273:22232_1:N:0:TCTGCAAG+GCTGCACT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTG
TCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTT
GAA

+
FFFF:FF:FFF:FFFFFFFFFFFFFF,FF,FFFF,FFFFFFFF:FF,FFFFFFFF:FFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFF:FFF:FFFFFFFF
:FF
@A00721:190:HGJW7DSXY:4:2371:20537:28917_2:N:0:TCTGCAAG+GCTGCACT
TAAAGCCTGTCCAGTTGTCGATGATGTTCTGGGCTGTGGGGATTAACCTCCCTCGTGAACTTACGACG
ATGTTCTCGCTCGCATTTTACAAGGATTACTAAGTCTGAGATCTGCCA
+
FFFFFFFFFFFFFF:FF
FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2245:32199:12352_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTG
AAT
+
F:FF:FFFF::FFFF:FF:FFFFFFFF,FFFFFFFFFFFFFFFF:FFF:FFFFFFFF,FFFFFFF
F:FFFFFFFFFFFFFF:FF:F
FFF
@A00721:190:HGJW7DSXY:4:1669:28953:9173_2:N:0:TCTGCAAG+GCTGCACT
TCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGT
TGAAGAGAAAAGTATGTTGCGGCTGATCGTACCCAATTCCTGC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,
FF,FF
@A00721:190:HGJW7DSXY:4:2452:26946:12336_1:N:0:TCTGCAAG+GCTGCACT
ATTAAGACAGACGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGT
CGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCC
TTT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2657:7283:23218_2:N:0:TCTGCAAG+GCTGCACT
GTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAAC
ATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGT
+
FF:FFFFFFFFFFFF:FFFFF
FF:FF
@A00721:190:HGJW7DSXY:4:1165:22281:4445_1:N:0:TCTGCAAG+GCTGCACT
GGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACG
ACAAGCCTCTAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAA
GAG
+
F::FFFF,,:F:FFF:F:,,:FF:FFF,F:F:FFFF:FFFF,FFFFFFFF,FFFFFFFFFFFFFF:
FFFFF:FFF,FFF::FFFF,,FFF:FF:FFFFFFFFF:,FF:FFFF:FFFF:F:FFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1539:24994:34194_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG
+
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF::FFFFFFFFF:FFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2469:27959:17253_2:N:0:TCTGCAAG+GCTGCACT
CGATTGGTCAACGTCGGAGTGGTACTGCTAACACATTCTTGGTAATTGTATGATCACTCTTATGATG

CTCTCTCTTTATTACGACCTTCGGAAGTTTAGAGCCGTCGCTGTCGCC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1619:24189:28917_2:N:0:TCTGCAAG+GCTGCACT
TTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGT
GAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTAC
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F:FFFFFFFF:FFFF:FFFFFFFFFFFF:FFFF
F:FF:F
@A00721:190:HGJW7DSXY:4:1259:11740:29590_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGA
CCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1627:18692:21089_2:N:0:TCTGCAAG+GCTGCACT
AAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAG
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTG
+
FFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
::FF:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2525:28266:18693_1:N:0:TCTGCAAG+GCTGCACT
GTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGA
CACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACA
AGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2302:31195:28307_2:N:0:TCTGCAAG+GCTGCACT
AATTGGTCCTACTTTTTGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTT
TGGTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGTT
+
FF,FF
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFF:FFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1663:29514:3161_2:N:0:TCTGCAAG+GCTGCACT
CAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCT
TTCATATTATGAATGAACCTTCGCCGCTCTCTTTGCTTCGATGTTGG
+
FFFFFFFFF:FF:FFFFFFFFFFFF
FFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:2424:21341:17660_1:N:0:TCTGCAAG+GCTGCACT
TCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACG
TTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTTGAGGTCGTGACGTTGATG
AAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1107:11351:16235_1:N:0:TCTGCAAG+GCTGCACT
ATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTG

+

@A00721:190:HGJW7DSXY:4:2622:24144:11678_2:N:0:TCTGCAAG+GCTGCACT
TTCCGCCCGGTGGTAGCTCATTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTT
GAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGA

+

@A00721:190:HGJW7DSXY:4:2109:13295:17347_1:N:0:TCTGCAAG+GCTGCACT
CTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAAGATAGAGAGTCATACTTTGGGCTATCGT
TCAGGTGCATGGGGTTGCATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAAC
CAA

+

@A00721:190:HGJW7DSXY:4:1562:12906:36213_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCTCTTTAATGGCA
CTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTTCCGGAGTTT

+

@A00721:190:HGJW7DSXY:4:2650:14516:3051_1:N:0:TCTGCAAG+GCTGCACT
CTATATTAGGTGAAGCGAAATACGATTTCTGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGAT
GCTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTGTTCCGCTTAGTGCGAGGCC
TCT

+

@A00721:190:HGJW7DSXY:4:2362:31964:34428_2:N:0:TCTGCAAG+GCTGCACT
GGATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGT
TTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAAC

 $+$

@A00721:190:HGJW7DSXY:4:2425:5258:35618_2:N:0:TCTGCAAG+GCTGCACT
TGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTT
TATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGT

+

@A00721:190:HGJW7DSXY:4:2654:26738:18552_2:N:0:TCTGCAAG+GCTGCACT
GATTGAAGGAAAATTTATCCTCGTTTAACTTACTTAGACTTTTCTACGATACAAATGATAACTTCTA
ATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATG

+

@A00721:190:HGJW7DSXY:4:2438:23158:20744_1:N:0:TCTGCAAG+GCTGCACT
TAATAATGACGAGACTTTCGTCAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTG

TCGAGCCTCGACCCGATTATATGGTATTAACCTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTT
ATA

+

FFFFFFFFF:FFF:FFFF:FF,FF,FFFF:F:FFF,FFF:,FFFF:FFF,FFFFFF::FFF,F:FFF
FFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFFFFF:FFFF,FFFFFFFF:FFFFFFFF,FFFF,FFF
FF:

@A00721:190:HGJW7DSXY:4:2526:12861:8328_2:N:0:TCTGCAAG+GCTGCACT
AAATAAATAATATTACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTT
GGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGAC

+

FF,FFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFF:FF

@A00721:190:HGJW7DSXY:4:2137:32398:4492_2:N:0:TCTGCAAG+GCTGCACT
TGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAA
TATCCAGACGACGACGAAGCTTATACTACTTTAATTTTTGGGTATTATG

+

FF,FFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFF:FF

@A00721:190:HGJW7DSXY:4:1144:27154:21872_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTCGAATTGGTCCAACATTTACCACCAAATCTTTTGATACAACCTCTAGCCTTCAAGTGG
GGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGA
AGC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2575:7862:32268_2:N:0:TCTGCAAG+GCTGCACT
TGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGTTTTGAA
TTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2432:26982:14278_1:N:0:TCTGCAAG+GCTGCACT
CCCACAGATTTGTCTACGTTGCAGATCGCCACTCAAACACTATATACATTATAAAATATAAAAATAA
GGGAGTCATAACTTTTGTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACT
TTA

+

FFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2165:13928:33818_2:N:0:TCTGCAAG+GCTGCACT
TCATTTACTCTGTACTTGATCTACGTCGTTAACTGTGGAACAACCTTTACTTAGAATGACTCTATC
TTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1573:5312:34053_2:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACCCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTG

+

F:FF:FFF
FFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2467:25880:25269_2:N:0:TCTGCAAG+GCTGCACT
TCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTG

CCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTATAATTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2674:17933:1485_2:N:0:TCTGCAAG+GCTGCACT
AATTTAAATACATTACTGTTTCAAATCATCTTTACTCACAGACTCCGAAAATGGTTTCAAATGAGGTC
AAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2266:2492:23719_2:N:0:TCTGCAAG+GCTGCACT
TTCGACAAATTTAGAACTTTATTTCAAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC
TTTTCAATAAGATGTATGATGATAATCTACTATTTTAAATAGTGATA
+
FF,FFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1144:14931:20306_2:N:0:TCTGCAAG+GCTGCACT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTA
TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT
+
FFFFF:FFF,F,FFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1405:12228:29935_1:N:0:TCTGCAAG+GCTGCACT
AGAAGATTAGAGAAGTAACCGGTGAACACGTGCGTAGCATTGATTTACTTTTACCGTTAGAACTGAAA
AAGATTCTTTTCGAAAAGAAACCTATAAGTTTCAAACGATTCTTCGACTATATTAAAGAAATAAAAAT
ACT
+
FF,,F,FFFFFFFF:FFF,FFFFFF::,F,:F,F:F:F,FF:,FFFFFFFF,::,:FFF:FF,F,FFF
FF,:FF,FFFF,FFF:FFFFFFFFF::F,FF:F,FF,FFFFFFFF:FFF,FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2435:20564:21480_2:N:0:TCTGCAAG+GCTGCACT
CTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGT
GTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTT
+
FF
FFFFF,FFFFFFFF:FF:F
@A00721:190:HGJW7DSXY:4:2162:12491:1548_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC
GCC
+
FF:F
FF
FFF
@A00721:190:HGJW7DSXY:4:2203:7057:16063_1:N:0:TCTGCAAG+GCTGCACT
CTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTGTGCAGAATAAC
CTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACG
GGC
+
FF,FF
F:FF
FFF
@A00721:190:HGJW7DSXY:4:2102:14027:24439_1:N:0:TCTGCAAG+GCTGCACT
TGTGGGAAGTGAAGCAGTACCTCAGTCAAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGA


```

FFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

+

@A00721:190:HGJW7DSXY:4:1452:9308:6840_1:N:0:TCTGCAAG+GCTGCACT
ATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACG
TACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACG
CTT

[illegible]

+

@A00721:190:HGJW7DSXY:4:2109:9146:3991_2:N:0:TCTGCAAG+GCTGCACT
CTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTTCCTCAATAAAAATTTTTCTCAAGA
GATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAAGTACGTCAT

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF,FFFFFFFFF:FFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFF

```

+

@A00721:190:HGJW7DSXY:4:1535:25889:9846_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGGAGGTGATCTCTCTGCTTC
TGCGTTACTGAGAGAAAAAGATTGAGGACGCCTACGGTGACTTTATGGA

```
FFFFFFFF:FFFFFFFF:F,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF
```

+

@A00721:190:HGJW7DSXY:4:2364:4562:28588_2:N:0:TCTGCAAG+GCTGCACT
TCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAA

TGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACT
+
FFFFFF:FF:~,FFF:
FFFF:FFFF,FF
@A00721:190:HGJW7DSXY:4:2574:16351:8735_2:N:0:TCTGCAAG+GCTGCACT
ATCACCACCTTTTGAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCT
CATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATAGATCGGA
+
FF:FFFF:
FF
@A00721:190:HGJW7DSXY:4:2258:26928:26616_2:N:0:TCTGCAAG+GCTGCACT
TTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCATAGCCACAGACTTTCTGGGAAAAGAG
ACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGC
+
FF:FFFF:
FF
@A00721:190:HGJW7DSXY:4:2218:6596:3771_1:N:0:TCTGCAAG+GCTGCACT
ACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCATTACA
GTCTGGAAGTTAGATCATTTGTTGAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCT
AAA
+
FF:FFFF:
:FF
FFF
@A00721:190:HGJW7DSXY:4:1613:20229:28447_1:N:0:TCTGCAAG+GCTGCACT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTG
TCTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTT
GAA
+
FF:FFFF:
FF
FFF
@A00721:190:HGJW7DSXY:4:2378:3721:33865_2:N:0:TCTGCAAG+GCTGCACT
TAAAGCCTGTCCAGTTGTCGATGATGTTTCGGGCTGTGGGATTAACCTCCCTCGTGAACTTACGACG
ATGTTCTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGCCA
+
FF:FFFF:
FFF:FF
@A00721:190:HGJW7DSXY:4:2264:14434:35446_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTG
AAT
+
FFFFFFF:F:FFFFFFFFF:FFF,FFF:FF:FFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2212:22010:5415_2:N:0:TCTGCAAG+GCTGCACT
TCAAAAGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGT
TGAAGAGAAACTGATATGGTTGCGGCTGATCGTACCCAATTCTCTGC
+
FF:FFFF:
FF
@A00721:190:HGJW7DSXY:4:1358:30092:25363_1:N:0:TCTGCAAG+GCTGCACT
CGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCA

AACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACA
CAT

+

FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1342:7374:1861_1:N:0:TCTGCAAG+GCTGCACT
GGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGCAAACACTTCAACATCAA
CGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTC
GCG

+

F:FFFFFFFFF:,FF:FFFFFF:FFFF:FFFF:FFFF:FFFFFF,FFFFFFFFF:FFFF:
FFFFFFFFF:FF
:FF

@A00721:190:HGJW7DSXY:4:1215:30526:21136_1:N:0:TCTGCAAG+GCTGCACT
GGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACG
ACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAA
GAG

+

FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,:FFFFFFFF:FF:FFFFFFFFF
FFFFFFFFF:FFFFFFFFF:FF:FF:FF,FFFFFFFFF:FFFF,FFFF:,FFFFFF:FFFF:F
FFF

@A00721:190:HGJW7DSXY:4:1568:16568:10488_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGTTGTGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG

+

FF:FFFF:FFF:FFFFFFFFF
FFFFF,FFFF:FFFFFFFF:FFFF,FFF:FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2673:10294:9267_2:N:0:TCTGCAAG+GCTGCACT
CGATTGGTCAACGTCGGAGTGGTACTGCTAACACATTCTTTGGTAATTGTATGATCACTCTTATGATG
CTCTCTCTTTATTACGACCTTCGGAAGTTTAGAGCCGTCGCTGTGCC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2170:31060:32080_2:N:0:TCTGCAAG+GCTGCACT
TTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGT
GAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTAC

+

FFFFFFFFFFFFFF:FF:F:FF
FFF:FFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFF,FFFFFF

@A00721:190:HGJW7DSXY:4:1265:15763:30545_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGA
CCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT

+

FF
FFFFF:FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2464:14778:34601_2:N:0:TCTGCAAG+GCTGCACT
AAAACGTCTTCGACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAG
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTG

+

FFFFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2662:8585:18991_1:N:0:TCTGCAAG+GCTGCACT
CTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGC

+

FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2348:23538:3646_2:N:0:TCTGCAAG+GCTGCACT
AATTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTT
TGGTTGTTAGGGATTTTGGAGAGAGTGAAAGGCTTCAATTGTAGTGGTT

+

:FF,
FF
FFF

@A00721:190:HGJW7DSXY:4:2106:9182:33270_2:N:0:TCTGCAAG+GCTGCACT
CAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCT
TTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2512:30382:29653_1:N:0:TCTGCAAG+GCTGCACT
TCAGAATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTACG
TTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGAGGTCGTGACGTTGATG
AAG

+

F,FFF,FF:F:FF,,FFF:FFFFFF:FFF,FFFFFF,FFF,F::F:FFF,F,F:FFFFFFFFFFFFFFF
FFFFFFFFF,FFFFFFFF,FF::FFF:F,FFF:F:FFFFFFFFF::FFFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1264:7075:29434_1:N:0:TCTGCAAG+GCTGCACT
ATTACGGCGCACTTCTTTACCCGCCACCACAACTTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTG
TACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGCTTGAACCTCACTTATGACGATCTAGTG
AAA

+

:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1425:15085:3630_1:N:0:TCTGCAAG+GCTGCACT
TTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAA
CGAGCTTGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACT
CTT

+

FFFF:FF,FFF:FFFF::F:FFF:FFFF:FFFFFFFF:FF:FFFFFFFFF:FFFFF:FFFFF,:
FFF:FFF:::FF:,FF,,FFF:,,:FFFFFFFFFFFF,FF:F,FFFFFFFF,FF:FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2203:28094:6026_1:N:0:TCTGCAAG+GCTGCACT
CTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGT
TCAGGTGCATGGGGTTGCATAGCCAATATTGAAGTGACACCTCTGGTAGTATCGAAGTAAAGATAAC
CAA

+

FFFF:FFFFFFFFFFFFFFFFFFFFF:F:FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1636:4444:4586_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCGTCTTTAATGGCA

+

@A00721:190:HGJW7DSXY:4:1206:6903:29575_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2472:24903:19727_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2442:24162:15186_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2662:19009:4664_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1270:30445:35681_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2662:2998:17018_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2330:13150:7889 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1144:27679:22091 1:N:0:TCTGCAAG+GCTGCACT

+

FF

$+$

@A00721:190:HGJW7DSXY:4:2650:4372:17863_1:N:0:TCTGCAAG+GCTGCACT
CCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAA
GGGAGTCATAACTTTTGTACCAAATTCTTGGCTTCAACGAAGTCTCTGATTTTATTAATCATTACT
TTA

$$+$$

@A00721:190:HGJW7DSXY:4:2165:14488:34068_2:N:0:TCTGCAAG+GCTGCACT
TCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATC
TTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGT

+

@A00721:190:HGJW7DSXY:4:1674:28221:8218_2:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACCCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTG

+

@A00721:190:HGJW/DSXY:4:1407:27670:14058_1:N:0:TCTGCAAG+GCTGCACT
CCCCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT

 $+$

@A00721:190:HGJW7DSXY:4:1141:17852:30279_1:N:0:TCTGCAAG+GCTGCACT
TCACAGACTCCGAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAAGCTATTATCCGATT
CTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAGCTTCAATTCCTTCGATGTTTAT
ATT

+

@A00721:190:HGJW7DSXY:4:2352:22417:12132_2:N:0:TCTGCAAG+GCTGCACT
TTCGACAAATTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC
TTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATA

+

@A00721:190:HGJW7DSXY:4:1266:13801:12148_2:N:0:TCTGCAAG+GCTGCACT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGAAGAGGTCTATGATATTTATTTACTTA
TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT

+

@A00721:190:HGJW7DSXY:4:1528:5972:33098_1:N:0:TCTGCAAG+GCTGCACT
AGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAA
AAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAT
ACT

+
FF:FFFFFFFF:FFFF
F:FF:FF:FFFF,FF: :FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1130:6253:14700_1:N:0:TCTGCAAG+GCTGCACT
TTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGT
ATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAG
CAA
+
FFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF: :FF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2210:3115:28432_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGT
GCC
+
FFFFFFFFFFFF:FF:F
FF: :FF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2223:10113:25989_1:N:0:TCTGCAAG+GCTGCACT
CTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTTCAGGGACCCGCTGTGCAGAATAAC
CTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACG
GGC
+
FF
FFFFFFFF:FFFFF, :F,FFFFFFFFFFFF:FF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2153:22688:33458_1:N:0:TCTGCAAG+GCTGCACT
TGTGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGA
CTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCTCCGCT
GGC
+
FFFFFFFFFFFFFFFF:FF:,FFFFFFFF:FFF:FFFFFFFF: :FFFFFFFFFFFFFFFFFFFF: :FF: :F:FFFFF
FF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2554:31259:9596_1:N:0:TCTGCAAG+GCTGCACT
CAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAG
AGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATT
ACC
+
FFF:FF
FFFF:FF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1665:6054:20431_2:N:0:TCTGCAAG+GCTGCACT
TGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTA
AAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1359:17472:34757_2:N:0:TCTGCAAG+GCTGCACT
CTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGT
CGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTT
+

```
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
@A00721:190:HGJW7DSXY:4:1272:4634:13275_1:N:0:TCTGCAAG+GCTGCACT
TTTGGAGGATTTTATCCGCGCTTAACCTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGT
TGGCATATTTATGCCGACGATAATAAGCATGTACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAA
GAG
+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1422:29640:15499_2:N:0:TCTGCAAG+GCTGCACT
ACTTTTCTTGAAAATTTTTCCTTTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCA
AGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2510:19416:16047_2:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAACCTGTCATTTAGAGAGGGGAGCTCTGAAAA
GAAACTTCGTCAGAAGATGAGGAAGTCTAAGAGATCGGAAGAGCGTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2677:21875:33739_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGGATTATTTGAAGCAGGGGTACCCTTCCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGT
TTAGATAATCTTTGAGAAGGGGTATAGAGCCAGCAAGAGAAGCTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2167:30508:15530_2:N:0:TCTGCAAG+GCTGCACT
GAATTCGGTAACCTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCC
GATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1126:4634:2973_1:N:0:TCTGCAAG+GCTGCACT
TCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGA
TTCAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGT
TT
+
FFFF: :FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1552:2962:30295_1:N:0:TCTGCAAG+GCTGCACT
ATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACG
TACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACG
CTT
+
FFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1422:20238:21981_1:N:0:TCTGCAAG+GCTGCACT
TGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGA
TTGATGTATGTCATTTGCTCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCC
GTT
```

FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
 FF
 FFF
 @A00721:190:HGJW7DSXY:4:2220:10285:10974_2:N:0:TCTGCAAG+GCTGCACT
 CTCATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCGTTCCCTCAATAAAAATTTTTCTCAAGA
 GATTATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAAGTACGTCAT
 +
 FF:FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F
 FF:FFFFFF,F:FFFFFFFFFFFFFFFF:F:FFF:FFF,FFFFFFFFF
 @A00721:190:HGJW7DSXY:4:1141:29695:21386_1:N:0:TCTGCAAG+GCTGCACT
 TCGGTCAATGACAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCAT
 CTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCT
 TAC
 +
 FFFFFFFF:FFFFFFFFFFFFFFFFF:FF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
 FF, :FF:FFFFFFFFFFFFFFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:2113:10899:31579_2:N:0:TCTGCAAG+GCTGCACT
 AAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAGTAGCGGAGGTGATCTCTCTGCTTC
 TGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACTTTATGGA
 +
 FF
 FFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFF
 @A00721:190:HGJW7DSXY:4:2645:14136:8155_1:N:0:TCTGCAAG+GCTGCACT
 ATCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAG
 TTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTAGCTACGAGAGGT
 GAT
 +
 FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
 :FFF:FF::FF:F:FF:FF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:1363:25120:34820_2:N:0:TCTGCAAG+GCTGCACT
 TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
 TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAA
 +
 FF:FFFF:FFFFFFFFFFFFF
 FF
 @A00721:190:HGJW7DSXY:4:2574:16631:7404_2:N:0:TCTGCAAG+GCTGCACT
 ATCACCCTTTTGAAGGAAAAATAATTGGTGATGAAAATACGTATGTGCGGTGGGGTTCTCAAGGCTCT
 CATGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATAGATCGGA
 +
 FF
 FF
 @A00721:190:HGJW7DSXY:4:2432:17390:21402_2:N:0:TCTGCAAG+GCTGCACT
 TTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAG
 ACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGC
 +
 FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
 FF
 @A00721:190:HGJW7DSXY:4:2268:4056:33285_1:N:0:TCTGCAAG+GCTGCACT
 ACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCATTACA
 GTCTGGAAGTTAGATCATTTGTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCT
 AAA

[illegible]

@A00721:190:HGJW7DSXY:4:2607:2844:36323_1:N:0:TCTGCAAG+GCTGCACT
TCAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACG
TTACGGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGACGTTGATG
AAG

+

FF,FFFFFFFF, :FF:FFFFFFFF,FF
FFFFFFFFFFFFFFFF:F:FF,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1551:4029:9345_1:N:0:TCTGCAAG+GCTGCACT
ATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTG
TACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTG
AAA

+

FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1438:21468:12461_1:N:0:TCTGCAAG+GCTGCACT
TTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAA
CGAGCTTGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGACT
CTT

+

FFFFFF:FF
FF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2203:28872:6308_1:N:0:TCTGCAAG+GCTGCACT
CTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGT
TCAGGTGCATGGGGTTGCATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAAC
CAA

+

FF
FF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2112:7383:12117_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCTCTTTAATGGCA
CTACCTCGGTACAATCTTACTTGAACGAAGGCGACCTTCCGGAGTTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2212:24352:3897_2:N:0:TCTGCAAG+GCTGCACT
TATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATG
CTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTG

+

FFFFFFFFFFFFFF:FF
FF:FFFFFFFF:FF,FFFF

@A00721:190:HGJW7DSXY:4:2540:27425:19053_2:N:0:TCTGCAAG+GCTGCACT
GGATTTTAATATAAAGAATCTTACCAGGACTCCTACTACAGGAGGAGTCTTCTGATCGTAAGAAGT
TTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCACTTAGAAC

+

FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:1161:2275:26663_2:N:0:TCTGCAAG+GCTGCACT
ATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCG
TGGGCTTTCGTAAGGAAGATCTGTTATCGACGGTTTATCGTTTACG

+

```
FF FFFF FFFF FFFF FFFF FFFF FFFF FFFF FFFF FFFF FFFF FFFF FFFF FFFF FFFF  
FFFFFFFF FFFFFFFF:FFFF,FFFFFFFF:  
@A00721:190:HGJW7DSXY:4:1128:29324:17957_2:N:0:TCTGCAAG+GCTGCACT  
GGAAAATTTTATCCTCGTTTTAACTTAGACTTTCTACGATACAAATGATACTTCTAATTACG  
TTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTAT  
+  
FFF,F::FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2243:14931:25003_2:N:0:TCTGCAAG+GCTGCACT  
AATAATGACGAGACTTTCGT CATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT  
CGAGCCTCGACCCGATTATATGGTATTA ACTTATAAAGGTGAGGAGAC  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:1363:4345:4914_1:N:0:TCTGCAAG+GCTGCACT  
TAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGA  
TTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTA  
ATC  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1252:11379:5541_1:N:0:TCTGCAAG+GCTGCACT  
TGTGGTACGAATTGGTCCAACATTTACCACCAAATTC TTTTGATACAACTCTAGCCTTCAAGTGGGGT  
ATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGC  
TAT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1409:23032:29230_2:N:0:TCTGCAAG+GCTGCACT  
GTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTA  
GCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAAATTATTTAGAG  
+  
FFFFFFF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2652:4110:3599_1:N:0:TCTGCAAG+GCTGCACT  
CCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAAATAA  
GGGAGTCATAACTTTTGTTACCAAATTC TTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACT  
TTA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2459:25473:22529_2:N:0:TCTGCAAG+GCTGCACT  
TCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGAACAACCTTTACTTAGAATGACTCTATC  
TTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2150:7563:17409_2:N:0:TCTGCAAG+GCTGCACT  
TAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATT  
TAGTCTCTACCCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTG
```

```
FFFTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT:FFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFF  
@A00721:190:HGJW7DSXY:4:2419:1108:17910_1:N:0:TCTGCAAG+GCTGCACT  
CCCCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCTTCTAACTTTAGAT  
+  
FF,,F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:1147:30752:24126_1:N:0:TCTGCAAG+GCTGCACT  
TCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAATAATTATCCGATT  
CTTCGAGGGTATCACTACCCTGATCTGCCGACTTTAGTCAAGGAACCTCAATCCTTCGATGTTTAT  
ATT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2355:19470:33364_2:N:0:TCTGCAAG+GCTGCACT  
TTCGACAAATTTTAGAACCTTTATTTAGAAGTCTCTCCGATCACCTTGTTGTGATCTCCCGGAGGATC  
TTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:1425:27055:12743_2:N:0:TCTGCAAG+GCTGCACT  
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTA  
TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:1649:9923:10567_1:N:0:TCTGCAAG+GCTGCACT  
AGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTTGATTTACTTTTACCGTTAGAACTGAAA  
AAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAAT  
ACT  
+  
FFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFF:FFF  
FF::FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1558:27733:22905_1:N:0:TCTGCAAG+GCTGCACT  
TTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGT  
ATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAG  
CAA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2328:7844:4742_1:N:0:TCTGCAAG+GCTGCACT  
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT  
TGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGT  
GCC  
+  
FFFFF:FFFFFFF:::F,F:FFF:FFFFFFFFFFFFFFFFFFFFF:FFFFF::FFFFFFFFFFFFFFFFF,:,  
FF:FF:FF:FFFFFFFFFFFFFFFFF,FFFFFFFFF::FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF:::  
FFF  
@A00721:190:HGJW7DSXY:4:2245:25256:34021_1:N:0:TCTGCAAG+GCTGCACT  
CTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACAGGACCCGCTGTGCAGAATAAC  
CTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACG  
GGC
```

+
FF
FFFFFFFF:FF::F::F,FF
FFF
@A00721:190:HGJW7DSXY:4:2258:19289:29481_1:N:0:TCTGCAAG+GCTGCACT
TGTGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATAACCAATCAATGATGTGA
CTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCT
GGC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1102:31367:30201_2:N:0:TCTGCAAG+GCTGCACT
AATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG
+
FFFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FF:FF
FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2118:21034:9768_2:N:0:TCTGCAAG+GCTGCACT
TGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCCGCTTGGGTCATTAAGGGTAGCTGTA
AAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTA
+
:FF
FFF:FF:F:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1523:30798:27367_2:N:0:TCTGCAAG+GCTGCACT
CTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGT
CGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTT
+
F:FFFFFFFFF:FF
FFFFFFFFFFFFFFFF:,FFFFF,FF
@A00721:190:HGJW7DSXY:4:1549:29152:13401_1:N:0:TCTGCAAG+GCTGCACT
TTTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGT
TGGCATATTTATGCCGACGATAATAAGCATGTCACCCCTTAAGCACCGAGGTAAGCTCGGGACTTACAA
GAG
+
:FFFFFFFFFFFFF:FF
,FF
FFF
@A00721:190:HGJW7DSXY:4:1504:18421:15076_2:N:0:TCTGCAAG+GCTGCACT
ACTTTTCTTGAAAATTTTTCCTTTCCGTCATTGGGGATTTCGATGTGAGAAGGTGAAGGTGTCA
AGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2538:19678:11710_2:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAA
GGAACTTCGTGAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2522:13132:16031_2:N:0:TCTGCAAG+GCTGCACT
GGATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATG
ATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATG
+

```
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

 $+$

+

+

+

+

+

+

@A00721:190:HGJW7DSXY:4:2349:9453:17362_2:N:0:TCTGCAAG+GCTGCACT
TCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGT
TGAAGAGAAAACATGATATGGTTGCGGCTGATCGTACCCCAATTCCTGC

+

FFFF,FF
FF

@A00721:190:HGJW7DSXY:4:1567:29668:36464_1:N:0:TCTGCAAG+GCTGCACT
CGTGAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCA
AACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACA
CAT

+

FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1550:18855:8061_1:N:0:TCTGCAAG+GCTGCACT
GGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAA
CGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGT
GCG

+

FF,FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1358:29821:12023_1:N:0:TCTGCAAG+GCTGCACT
GGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACG
ACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAA
GAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1638:19660:9236_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGTTGTGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG

+

FFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF::FFFFFFFFFFFFFFFF
FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1138:27661:2206_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTGGTAATTGTATGATCACTTTGATGATTTTATCAC
TTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTGCTGGGGACGATTCCATTCTGTTTTCAAAG
ACT

+

FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFF:F:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2428:4246:13009_2:N:0:TCTGCAAG+GCTGCACT
TTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGT
GAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTAC

+

FFF,:FFF:FFF
FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1448:4164:31939_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGA
CCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT

[illegible]

@A00721:190:HGJW7DSXY:4:2330:6144:27289_1:N:0:TCTGCAAG+GCTGCACT
CTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGT
TCAGGTGCATGGGGTTGCATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAAC
CAA

+

FFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2214:17336:5431_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCA
CTACCTCGGTACAATCTTACTTGAACGAAGGCGACCTTCCGGAGTTT

+

FF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2308:14669:22013_2:N:0:TCTGCAAG+GCTGCACT
TATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATG
CTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTG

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFF

@A00721:190:HGJW7DSXY:4:1120:13548:22983_2:N:0:TCTGCAAG+GCTGCACT
GATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTT
TATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1174:28384:30765_2:N:0:TCTGCAAG+GCTGCACT
ATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCG
TGGGCTTTCGTAAGGAAGATCTGTTATCGACGGTTTATCGTTTACG

+

FFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFF:F:FFFFF:FFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1259:14552:14512_2:N:0:TCTGCAAG+GCTGCACT
GGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTTCTACGATACAAATGATAACTTCTAATTTACG
TTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTAT

+

FFF:FF:FFFFFFFFFFFF:FFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2257:9833:10066_2:N:0:TCTGCAAG+GCTGCACT
AATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT
CGAGCCTCGACCCGATTATATGGTATTAATTATAAAGGTGAGGAGAC

+

FF
FF:

@A00721:190:HGJW7DSXY:4:1367:27190:14606_1:N:0:TCTGCAAG+GCTGCACT
TAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGA
TTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTA
ATC

+

FFFF:FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1306:15311:8563_1:N:0:TCTGCAAG+GCTGCACT
TGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGT

ATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGC
TAT

+

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1504:27841:25066_2:N:0:TCTGCAAG+GCTGCACT
GTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTA
GCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG

+

FFFFFF:FF::FFFFFFFFFFFFFFFF:FF:FFFF:FF:FFF,:FFFFFFFFFFFF,FFFFFFF:FFF
:F:FFFF:FFFFFFFFFFFF,FFFF,F::F:FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2667:27606:4272_1:N:0:TCTGCAAG+GCTGCACT
CCCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAA
GGGAGTCATAACTTTTTGTTACCAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACT
TTA

+

FFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2533:29640:15969_2:N:0:TCTGCAAG+GCTGCACT
TCATTTACTCTGTACTTGATCTACGTCGTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATC
TTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGT

+

FFFF:F,FFFFFFFFFFFFFFFFFFFF:FF:FF,FF:F:FF:FFFFFFFFFFFF:FFFF:FFFFFF
:FFFFFFFFFFFFFFFFFFFF:FFF:FFFF:FF:FFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2153:9679:31720_2:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACCCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTG

+

FF:F:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:F:FFFFFF:FFFFFFFF:FFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2317:1768:18865_1:N:0:TCTGCAAG+GCTGCACT
CCCCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT

+

F:,F,FF

@A00721:190:HGJW7DSXY:4:1259:7066:19366_1:N:0:TCTGCAAG+GCTGCACT
TCACAGACTCCGAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACTATTATCCGATT
CTTCGAGGGTATCACTACCACTGATCTGCCGACTCTAGTCAAGGAAGTCAATTCCTTCGATGTTTAT
ATT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2377:1570:8625_2:N:0:TCTGCAAG+GCTGCACT
TTCGACAAATTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATC
TTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATA

+

FFFFFFFF:FF:FFFF
FF

@A00721:190:HGJW7DSXY:4:1501:22327:28667_2:N:0:TCTGCAAG+GCTGCACT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGAAGAGGTCTATGATATTTATTTACTTA
TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT

+

@A00721:190:HGJW7DSXY:4:1659:19208:32189_1:N:0:TCTGCAAG+GCTGCACT
AGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAA
AAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAT
ACT

@A00721:190:HGJW7DSXY:4:2133:13114:1658_1:N:0:TCTGCAAG+GCTGCACT
TTACATTTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGT
ATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAG
CAA

@A00721:190:HGJW7DSXY:4:2510:12780:33238_1:N:0:TCTGCAAG+GCTGCACT
GAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACT
GCC

@A00721:190:HGJW7DSXY:4:2263:18367:19335_1:N:0:TCTGCAAG+GCTGCACT
CTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTTCAGGGACCCGCTGTGCAGAATAAC
CTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACG
GGC

@A00721:190:HGJW7DSXY:4:2345:18828:7138_1:N:0:TCTGCAAG+GCTGCACT
TGTGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGA
CTATACAGTTTCGGCCATTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCT
GGC

@A00721:190:HGJW7DSXY:4:1507:12952:19789_2:N:0:TCTGCAAG+GCTGCACT
AATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAAATGTCCCCAAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG

@A00721:190:HGJW7DSXY:4:2120:31150:2550_2:N:0:TCTGCAAG+GCTGCACT
TGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTA
AAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTA

[illegible]

@A00721:190:HGJW7DSXY:4:2206:1696:16642_1:N:0:TCTGCAAG+GCTGCACT
TGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGA
TTGATGTATGTCATTTCTGCTTAGTTTGTCCCGCGAATTATTGGACACGATGAAAAATGACATACCC
GTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1165:5936:36980_1:N:0:TCTGCAAG+GCTGCACT
ATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTTCTCAATAAAAAATTTTCTCAAGAGAT
TATGGTTGATAAAGTTTCTTCATAAGGGCTATTAGTACGTCATGGGGATCACTTCTTCGGTCAATG
ACA

+

FFF:FFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFF:F:FFFFFFFFFFF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1201:17517:34710_2:N:0:TCTGCAAG+GCTGCACT
ATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAAG
ATGTTTATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTAC

+

FF:FFFFFFFFFFFFF:FFFFF:FFFFFFFFF
FF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2511:10691:16250_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAGTACCGAGGTGATCTCTCTGCTTC
TGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACTTTATGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1328:27507:6230_2:N:0:TCTGCAAG+GCTGCACT
TCTTTTGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGT
TAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTCG

+

FF,FFFFFFFF:FFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2262:7265:20901_2:N:0:TCTGCAAG+GCTGCACT
CCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGT
GAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGAT

+

FF:FFFFFFFFFFFFF:FF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2635:20943:33630_2:N:0:TCTGCAAG+GCTGCACT
ATCACCCTTTTGAAGGAAAATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCT
CATCGCCACTGGGATTCTAAGGGGTTCCATAAGATATTATAGATCGGA

+

F:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFF,FFF
FFFF:FFFF:::F:FFFFFFFFFFFFFFFF:F:FFFFFFFFF:F:F

@A00721:190:HGJW7DSXY:4:2628:29912:27586_2:N:0:TCTGCAAG+GCTGCACT
TTCAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAG
ACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGC

+

FF:FFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2401:20980:25050_1:N:0:TCTGCAAG+GCTGCACT
ACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCATTACA

GTCTGGAAGTTAGATCATTTGTTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCT
AAA

+

FF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2264:30481:13604_1:N:0:TCTGCAAG+GCTGCACT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTG
TCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTT
GAA

+

FF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1366:20211:24158_2:N:0:TCTGCAAG+GCTGCACT
AAAGCCTGTCCAGTTGTCGATGATGTTCTGGGCTGTGGGGATTAACTTCCCTCGTGAAACTTACGACGA
TGTTCTCGCTCGCATTTACAGATCGGAAGAGCGTCGTGTAGGGAAAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
:FFFFFFFFFFFFFFFFFFFFFFFF: ,FFFFFFFFFFFFFFFFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2353:12599:8782_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTG
AAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2603:20898:14763_2:N:0:TCTGCAAG+GCTGCACT
TCAAAAGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGT
TGAAGAGAAAAGTATGATGTTGCGGCTGATCGTACCCCAATTCCTGC

+

FFFFFFFFFFFFFFF:FFFFFF:FF
FF:FF:F

@A00721:190:HGJW7DSXY:4:2555:19226:30561_1:N:0:TCTGCAAG+GCTGCACT
CGTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCA
AACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACA
CAT

+

FF
FFFFFFFFFFFFFFFFF:FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1662:22525:9471_1:N:0:TCTGCAAG+GCTGCACT
GGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGCAAACTACTTCAACATCAA
CGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTC
GCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1454:31729:19993_1:N:0:TCTGCAAG+GCTGCACT
GGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACG
ACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAA
GAG

+
FFFFFFFFFFFF:FFFF:FF:FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1646:24189:18584_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCCCTTGAGCCGCGTAGTCAGCGCG
+
FFFFFFFFFF:FF:FFFFF:FFFF
FF
@A00721:190:HGJW7DSXY:4:1449:17354:36119_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCAC
TTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAG
ACT
+
FFFFFFF::,FFFFFFFF,FFFFF,F,FFF,FFFFFFFF,FFF:F,FF:F::FFFFF:FFFFFFFFFFFF
FFFFFFFFFFFF,FF:FFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2458:25211:33943_2:N:0:TCTGCAAG+GCTGCACT
TTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGT
GAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTAC
+
FFFFF,FF
FF
@A00721:190:HGJW7DSXY:4:1448:4345:31814_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGA
CCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT
+
FFF,FFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFF,FFFFFFFFF:FFFF
FFFFFFFF:FFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2171:29939:8437_2:N:0:TCTGCAAG+GCTGCACT
GACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCCCTTACAGAGGGGCAGCAGCATGACCATAA
TTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTT
+
FF
FFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1452:13801:28056_1:N:0:TCTGCAAG+GCTGCACT
TTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTT
TATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAA
GCG
+
FF: F
FF
FFF
@A00721:190:HGJW7DSXY:4:1127:12264:18662_1:N:0:TCTGCAAG+GCTGCACT
TTGGTCTACTTTTGGACAAGGCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTG
GTTGTTAGGGATTTTGAGAGAGAGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCA
GTA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1501:4038:7858_2:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGA

+

FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFF,FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1617:16351:31688_2:N:0:TCTGCAAG+GCTGCACT
GGTGGTGGTACTTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGG
TGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1415:9706:29919_2:N:0:TCTGCAAG+GCTGCACT
TTCACAACTGAAGGAGGAGTTTCTGTTACTGGAAAACCTCGTCAATACTTTCAATAATATACGTC
TTGAACTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGG

+

FF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF,FFFFF

@A00721:190:HGJW7DSXY:4:1536:26684:27821_1:N:0:TCTGCAAG+GCTGCACT
TTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACATAAA
CGAGCTTGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTTGTGTACT
CTT

+

FFFF,,F,,F,:,FFFFF:,FFF:FF,FFFFFFFFF:,FFFFFFFFF:,FFFFFFFFFFFF,,F:F:
,:F,:F::,FFF:F,FF:,FF:FF,,FF,FF,,,:FFFFFFFF,FFFFFFFFF,FF,:F:F,F,FF::F
FFF

@A00721:190:HGJW7DSXY:4:2607:7536:20901_1:N:0:TCTGCAAG+GCTGCACT
CTAATCGTAACATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGT
TCAGGTGCATGGGGTTGCATAGCCAATATTGAAGTGACACCTCTGGTAGTATCGAAGTAAAGATAAC
CAA

+

:FFFF:FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2304:18982:14450_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCTTTAATGGCA
CTACCTCGGTACAATCTTACTTGAACGAAGGCGACCTTCCGGAGTTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2333:5538:1157_2:N:0:TCTGCAAG+GCTGCACT
TATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATG
CTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTG

+

FFF:FFFFFFFFF:FFFFFFF:FFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF::F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFF:FF

@A00721:190:HGJW7DSXY:4:1565:11686:35196_2:N:0:TCTGCAAG+GCTGCACT
GATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTT
TATAAGGAACATATCCATTTGTTGTAATAGGTCATCAACTTATACT

+

FFFFFFFFF:FFFFFFFFFFFF:FFF:F:FFFFF:FFFFFFF:FF:FF::FFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFF:FF:FFFFFFFFFFFF:FFFFFFFFF:,FFFFFFFFFFFF:,FFFF

@A00721:190:HGJW7DSXY:4:1175:29586:22357_2:N:0:TCTGCAAG+GCTGCACT
ATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCG

TGGGCTTTCGTAAGGAAGATCTGTTATCGACGGTTTATCGTTTACG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1348:27236:21104_2:N:0:TCTGCAAG+GCTGCACT
GGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCTACGATACAAATGATACTTCTAATTTACG
TTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTAT
+
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2369:11433:26428_2:N:0:TCTGCAAG+GCTGCACT
AATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT
CGAGCCTCGACCCGATTATATGGTATTAATAAAGGTGAGGAGAC
+
FF:FFFFFFFFFFFFFFFF
FF:FFFFFFF,FFFF
@A00721:190:HGJW7DSXY:4:1528:15492:25692_1:N:0:TCTGCAAG+GCTGCACT
TAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGA
TTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTA
ATC
+
FF:FFFFFFFFFFFFFFFF
FF:FFFFFFF,FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1431:5095:10222_1:N:0:TCTGCAAG+GCTGCACT
TGTGGTACGAATTGGTCCAACATTTACCACCAAATTCCTTTGATACAACTCTAGCCTTCAAGTGGGGT
ATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGATGCTATGTGAGAAGAAGC
TAT
+
FF:FFFFFFFFFFFFFFFF
FF:FFF
@A00721:190:HGJW7DSXY:4:1649:10954:1423_2:N:0:TCTGCAAG+GCTGCACT
GTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTA
GCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
+
FF:FFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF,F:FFFF
F,FF:FFFFFFFFFFFF:F:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2659:32570:33849_1:N:0:TCTGCAAG+GCTGCACT
CCACAGATTTGTCTACGTTGCAGATCGCCACTCCAAACACTATATACATTATAAAATATAAAAAATAAG
GGAGTCATAACTTTTGTACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTT
TA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FF
@A00721:190:HGJW7DSXY:4:2676:16947:1595_2:N:0:TCTGCAAG+GCTGCACT
TCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACTCTATC
TTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGT
+
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF
FF:FFF
@A00721:190:HGJW7DSXY:4:2539:7826:21496_2:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATT

$+$

@A00721:190:HGJW7DSXY:4:2407:23918:12571_1:N:0:TCTGCAAG+GCTGCACT
CCCCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT

+

@A00721:190:HGJW7DSXY:4:1517:1985:33959_1:N:0:TCTGCAAG+GCTGCACT
TCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAAGCTATTATCCGATT
CTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAGTTCAATTCTTCGATGTTTAT
ATT

+

@A00721:190:HGJW7DSXY:4:2473:2871:16579_2:N:0:TCTGCAAG+GCTGCACT
TTCGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC
TTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATA

+

@A00721:190:HGJW7DSXY:4:1638:29143:32863_2:N:0:TCTGCAAG+GCTGCACT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT

+

@A00721:190:HGJW7DSXY:4:2265:26558:22185_1:N:0:TCTGCAAG+GCTGCACT
AGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAA
AAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAAT
ACT

+

@A00721:190:HGJW7DSXY:4:2409:18412:21887_1:N:0:TCTGCAAG+GCTGCACT
TTACATTTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCCTTCACTCTCGGTAATGAGAGTGT
ATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAG
CAA

+

@A00721:190:HGJW7DSXY:4:2515:27887:23046_1:N:0:TCTGCAAG+GCTGCACT
GGAGTTCAGACGTGTGCTCTTCCGATCTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAAT
TGCTTACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACT
GCC

+

@A00721:190:HGJW7DSXY:4:2263:18927:19836_1:N:0:TCTGCAAG+GCTGCACT
CTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTTCAGGGACCCGCTGTGCAGAATAAC

+

@A00721:190:HGJW7DSXY:4:2357:1353:4867_1:N:0:TCTGCAAG+GCTGCACT
TGTGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACTACTCCCATACCAATCAATGATGTGA
CTATACAGTTTCGGCCATTTCAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCT
GGC

+

@A00721:190:HGJW7DSXY:4:2132:28040:16517_2:N:0:TCTGCAAG+GCTGCACT
AATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG

+

@A00721:190:HGJW7DSXY:4:2170:15971:26522_2:N:0:TCTGCAAG+GCTGCACT
TGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTATTAAGGGTAGCTGTA
AAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTA

+

@A00721:190:HGJW7DSXY:4:1557:19045:18975_2:N:0:TCTGCAAG+GCTGCACT
CTGTTGAATTCGTCCTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGT
CGCTGGGGAAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTT

+

@A00721:190:HGJW7DSXY:4:2665:24361:8609_1:N:0:TCTGCAAG+GCTGCACT
TTTGGAGGATTTTATCCGCGCTTA ACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGT
TGGCATATTTATGCCGACGATAATAAGCATGTCACCCCTTAAGCACCGAGGTAAGCTCGGGACTTACAA
GAG

+

@A00721:190:HGJW7DSXY:4:1558:15383:14857_2:N:0:TCTGCAAG+GCTGCACT
ACTTTTCTTGAAAATTTTTCCTTTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCA
AGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTG

+

@A00721:190:HGJW7DSXY:4:1130:8232:24298_1:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAAGACGGGGGGATTAAGAGTCCAGCTGTAAC TGTCAATTCAGAGAGGGGAGCTCTGAAAA
GGAAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCC
CCA

+

[illegible]

@A00721:190:HGJW7DSXY:4:1201:2826:35258_1:N:0:TCTGCAAG+GCTGCACT
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGA
TAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATC
ACT

+

FFFF,FFFFFFFF:FFFFFFFF:FFFF:FF,FFF:FFFFFFFF:FFF:FFFFFFFFFFFFFFF
F:FFFFFFFF::FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1253:31810:17347_1:N:0:TCTGCAAG+GCTGCACT
ATTCGGTAACTTACCATATTGTTCTTCCGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGA
TCAGATCCGGATGGTTTGATTGGTATGGACTIONTCTGAGTTGTCTAGGGTCATGGCA
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1117:23764:30279_2:N:0:TCTGCAAG+GCTGCACT
TCTGAGGGCGGTTGAGGGAGCCGTTTTGCCGACTTTAACTATTCTAAGAGTCTTATGATTCAAAC
CTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTA

+

FFFFFFFFFFF,FF,FFFFFFFFFFFF,
FFFF,FFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFF,FFFF:F

@A00721:190:HGJW7DSXY:4:2314:23547:31751_1:N:0:TCTGCAAG+GCTGCACT
ATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACG
TACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACG
CTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2232:19732:21825_1:N:0:TCTGCAAG+GCTGCACT
TGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGA
TTGATGTATGTCATTTCTGCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGACATACCC
GTT

+

FF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1220:9824:13651_1:N:0:TCTGCAAG+GCTGCACT
ATCGCTATACGCATACCTGATTGGAAGAAGCGAGTTTCGTTCTCAATAAAAAATTTTCTCAAGAGAT
TATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATG
ACA

+

:FF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1249:29505:13260_2:N:0:TCTGCAAG+GCTGCACT
ATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAAG
ATGTTTCATATAGATACGATACCTAGAGAAGGTCGAGCGATCTTAC

+

FF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2511:11659:16047_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGACTTTGGGTACACGTTATGCTCGCAACTIONTACGTTAGTACCGAGGTGATCTCTCTGCTTC

+

@A00721:190:HGJW7DSXY:4:1222:25735:2378_1:N:0:TCTGCAAG+GCTGCACT
TGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGA
AGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACAGCTACGAGAGGTGATCCC
GGA

+

@A00721:190:HGJW7DSXY:4:1316:14036:26584_1:N:0:TCTGCAAG+GCTGCACT
TGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTAC
AAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAATAAA
CTA

+

@A00721:190:HGJW7DSXY:4:1671:3170:36824_1:N:0:TCTGCAAG+GCTGCACT
AATAATTGGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAA
GGGGTTCCATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTC
TTA

+

@A00721:190:HGJW7DSXY:4:1303:27651:26396_1:N:0:TCTGCAAG+GCTGCACT
CAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGAC
CTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAG
TTA

+

@A00721:190:HGJW7DSXY:4:2441:15429:12743_1:N:0:TCTGCAAG+GCTGCACT
ACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCATTACA
GTCTGGAAGTTAGATCATTTGTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCT
AAA

+

@A00721:190:HGJW7DSXY:4:2423:6442:35039_1:N:0:TCTGCAAG+GCTGCACT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTTACTCCTAGTG
TCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTT
GAA

 $+$

@A00721:190:HGJW7DSXY:4:1539:29613:20901_2:N:0:TCTGCAAG+GCTGCACT
AAAGCCTGTCCAGTTGTCGATGATGTTCTGGGCTGTGGGGATTAACTTCCCTCGTGAAACTTACGACGA

TGTTCTCGCTCGCATTTACAGATCGGAAGAGCGTCGTGTAGGGAAAG

+

FFFF:FFFFFFFFFFFFFF,FF:FFF:F,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFF,FFFF:FFFF

@A00721:190:HGJW7DSXY:4:2502:2031:30718_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTG
AAT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1162:19307:26694_1:N:0:TCTGCAAG+GCTGCACT
AAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTG
AAGAGAAAACCTGATATGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGAT
ACC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: :FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2614:31729:28948_1:N:0:TCTGCAAG+GCTGCACT
GTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAA
ACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACAC
AT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1143:27706:16282_2:N:0:TCTGCAAG+GCTGCACT
TGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGCAAACTACTTCAACATCAACG
ACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCT

+

FFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF:FFF,FFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1505:12500:14685_1:N:0:TCTGCAAG+GCTGCACT
GGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACG
ACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAA
GAG

+

FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2229:15130:6997_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG

+

FF: :FFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1546:14534:22467_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAAGCGTGCTCTTCCGATCTCTTGGTAATTGTATGATCACTTTGATGATTTTATCAC
TTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAG
ACT

+

:F:FFFFFFFF,F:FFFFFFFF::FF,FFFF::FFFFFFFF,FF:FF::FFF::FF:FFFFFFFF

F:FFFFFFFF:FFFF:,F::FFFF:,FFFF:FFFFFFFF:F,FFFFFFFF::FF:FFFF,F:,FF:
F:F
@A00721:190:HGJW7DSXY:4:2458:26539:34428_2:N:0:TCTGCAAG+GCTGCACT
TTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGT
GAAATTTTGTATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTAC
+
FFFFFFFFFFFFFFFF,FF::FF
FF
@A00721:190:HGJW7DSXY:4:1458:7102:8343_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGA
CCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2249:19678:8797_2:N:0:TCTGCAAG+GCTGCACT
GACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAA
TTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTT
+
FFFFFFFFFFFFF,:FF,:F:F:FF:FF::FF:FFFFFFFF:FFF:FFFF,:FFFF:FFF,F,:FF
FFFFFFFF::,FFFF:FFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2154:20763:16501_1:N:0:TCTGCAAG+GCTGCACT
TTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTT
TATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGAGGATTCTCAGTTTACAAGGACCTTAA
GCG
+
:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1162:19081:19570_1:N:0:TCTGCAAG+GCTGCACT
TTGGTCTACTTTTGGACAAGGCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTGG
GTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCACTACCCAGTCA
GTA
+
FF:F
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1531:1081:19272_2:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACC
TTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGA
+
FFFFFFFFF:FF:FFFFFFFF
FFFF:FFFFFFFFF,FFF:F,FF:F:FFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2421:19180:3803_2:N:0:TCTGCAAG+GCTGCACT
GGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGG
TGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGC
+
FFFF:FFFF:FFFFFF:FFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:F:FFFFFFF
@A00721:190:HGJW7DSXY:4:1462:7374:10410_2:N:0:TCTGCAAG+GCTGCACT
TTCACAACTGAAGGAGGAGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTC
TTGAACTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGG
+

```
F:FFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFF,F,FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFFFFF:FF:E:E:FFF...:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

@A00721:190:HGJW7DSXY:4:1643:13060:21856_1:N:0:TCTGCAAG+GCTGCACT
TAAATAATATTACTAATGGCAAATAGTGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGA
TTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTA
ATC

+

FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1531:23710:33191_1:N:0:TCTGCAAG+GCTGCACT
TGTGGTACGAATTGGTCCAACATTTACCACCAAATTCCTTTGATACAACCTAGCCTTCAAGTGGGGT
ATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGC
TAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2127:10981:27555_2:N:0:TCTGCAAG+GCTGCACT
GTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTA
GCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG

+

FF:FF,FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2610:15763:35994_2:N:0:TCTGCAAG+GCTGCACT
GATCGCCACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCA
AATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FF::FFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF:,FFF

@A00721:190:HGJW7DSXY:4:2221:21603:35618_2:N:0:TCTGCAAG+GCTGCACT
CATTTACTCTGTACTTGATCTACGTCGTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCT
TTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2560:6976:10222_2:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACACCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTG

+

FF:FFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF::F:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2414:4616:5572_1:N:0:TCTGCAAG+GCTGCACT
CCCCAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT

+

F:,,,:FF

@A00721:190:HGJW7DSXY:4:1613:7609:19617_1:N:0:TCTGCAAG+GCTGCACT
TCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATT
CTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTAT
ATT

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2674:4354:23312_2:N:0:TCTGCAAG+GCTGCACT
TTCGACAAATTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC

+

@A00721:190:HGJW7DSXY:4:2134:26693:12649_2:N:0:TCTGCAAG+GCTGCACT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT

+

@A00721:190:HGJW7DSXY:4:2451:23945:21919_1:N:0:TCTGCAAG+GCTGCACT
AGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAA
AAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAT
ACT

+

@A00721:190:HGJW7DSXY:4:2625:14000:17190_1:N:0:TCTGCAAG+GCTGCACT
ATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTC
CTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAAT
TTA

+

@A00721:190:HGJW7DSXY:4:1574:25021:5932_1:N:0:TCTGCAAG+GCTGCACT
CTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTT
ACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGC
TTC

+

@A00721:190:HGJW7DSXY:4:2358:19813:9627_1:N:0:TCTGCAAG+GCTGCACT
CTACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTGTGCAGAATAAC
CTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACG
GGC

+

@A00721:190:HGJW7DSXY:4:2628:12726:31015_1:N:0:TCTGCAAG+GCTGCACT
TGTGGGAAGTGAAGGAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGA
CTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCT
GGC

 $+$

@A00721:190:HGJW7DSXY:4:2143:23122:4178_2:N:0:TCTGCAAG+GCTGCACT
AATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAAATGTCCCCAAAACTGAGAAGAATAAAGGGGAAAGGTCCATCAG

+

FF
FFFFF:FF
@A00721:190:HGJW7DSXY:4:2238:16278:10081_2:N:0:TCTGCAAG+GCTGCACT
TGCACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTA
AAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTA
+
FFFFFFFFFFFF:FF:FF
FF
@A00721:190:HGJW7DSXY:4:2177:3070:29481_2:N:0:TCTGCAAG+GCTGCACT
CTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGT
CGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTT
+
FF:FFF:FFFFF:FFFFFFFFFFFFFF:FFFFFFF
FF:FFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1158:6723:13980_2:N:0:TCTGCAAG+GCTGCACT
TTGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTT
GGCATATTTATGCCGACGATAATAAGCAGATCGGAAGAGCGTCGTGTA
+
:FF:FFFFFFFFFFFF
FFFFF:FFFFFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:1643:32814:14293_2:N:0:TCTGCAAG+GCTGCACT
ACTTTTCTTGAAAATTTTTCCTTTCCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCA
AGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTG
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:1350:17164:18161_1:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAAGACGGGGGGATTAAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAA
GGAACTTCGTGAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCA
CCA
+
FF:FFFFFFF
FF,FFF
@A00721:190:HGJW7DSXY:4:1301:5945:33019_1:N:0:TCTGCAAG+GCTGCACT
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGA
TAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATC
ACT
+
FF:FF:FFFFFFFFF:FFFFFF:FFFFF
:FFFFFFFFFFFF:FF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1334:21748:36808_1:N:0:TCTGCAAG+GCTGCACT
ATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGA
TCAGATCCGGATGGTTTGATTGGTATGGAATACTCGACTTTTATCTGGAGTTGTCTAGGGTCATGGCA
GAT
+
F:FFFFFFFFFFFF:FFFFFFFFFFFF:FF
FF,FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2103:16089:30702_2:N:0:TCTGCAAG+GCTGCACT
TCTGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACGTTAACTATTCTAAGAGTCTTTATGATTCAAAC
CTATCGTTGTCGTACCATACAAGGTTGAGGAGACTTTACAGCGGCTGA
+

FF:F:F:, :FFF:FFFFFF:FFFF,FFFF,F:F,FFFF,FFF::FF:F,FFFF:F,FFFFFFFF
:FF::,FFFF:F:FF,FF,,,FFF:, :FFF:FFFFFF,F,F:, ,F
@A00721:190:HGJW7DSXY:4:2401:1407:35712_1:N:0:TCTGCAAG+GCTGCACT
ATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACG
TACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACG
CTT

+
FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2517:11008:35180_1:N:0:TCTGCAAG+GCTGCACT
TGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGA
TTGATGTATGTCATTTTCGTCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGACATACCC
GTT

+
FF:FFFF::FFFFFFFFFFFFFFFF
FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1549:21685:21887_1:N:0:TCTGCAAG+GCTGCACT
ATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTTCGTTCTCAATAAAAATTTTCTCAAGAGAT
TATGGTTGATAAAGTTTTCTTCATAAGGGCTATTCAGTACGTCATGGGGATCACTTCTTCGGTCAATG
ACA

+
FF:FFFFF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1343:24758:24079_2:N:0:TCTGCAAG+GCTGCACT
ATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAAG
ATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTAC

+
FF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1607:11360:9549_2:N:0:TCTGCAAG+GCTGCACT
TAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACGGTGACT
TTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTATAG

+
FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1238:17842:32049_1:N:0:TCTGCAAG+GCTGCACT
TGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGA
AGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGAGAGGTGATCCC
GGA

+
FF:FFFFFFFFFFFFFFFF
FFFFF:FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1339:16640:5478_1:N:0:TCTGCAAG+GCTGCACT
TGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGCTTTAC
AAGGAGTTAGACTCTTCTTCAAGTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAATAAA
CTA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1308:28384:1924_1:N:0:TCTGCAAG+GCTGCACT
GGTGATGAAAATACGTATGTCGGTGGGGTTCTCAAGGCTCTCATCGCCACTGGGATTCTAAGGGGTTTC
CATAAGATATTATCTGACATTGTGGTTCAATGATCAGGATTCTTCTTTTGGTCCTTACGTCTTAAGTA
ATT

+

FF
FFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1534:8567:16423_1:N:0:TCTGCAAG+GCTGCACT
CAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGAC
CTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAG
TTA

+

FF:FFFFFFFF
FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2447:20717:13260_1:N:0:TCTGCAAG+GCTGCACT
ACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCTGACGTCAATTACA
GTCTGGAAGTTAGATCATTTGTTGAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCT
AAA

+

FF:FFFFFFFF
FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2501:10077:3161_1:N:0:TCTGCAAG+GCTGCACT
TCTTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTG
TCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTT
GAA

+

FF:FFFFFFFF
FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2508:12563:6370_2:N:0:TCTGCAAG+GCTGCACT
AAAGCCTGTCCAGTTGTCGATGATGTTGCGGCTGTGGGGATTAACTTCCCTCGTGAAACTTACGACGA
TGTTCTCGCTCGCATTTACAGATCGGAAGAGCGTCGTGTAGGGAAAG

+

FFFFF:FFF
F:FFF,F,F

@A00721:190:HGJW7DSXY:4:2502:2085:33536_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTG
AAT

+

::FFF
FFF:FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1241:21667:34663_1:N:0:TCTGCAAG+GCTGCACT
AAAAGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTG
AAGAGAAAAGTATGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGAT
ACC

+

FFFFFFFF:FF:FFFFFFFF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1413:12147:7028_1:N:0:TCTGCAAG+GCTGCACT
GTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAA
ACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACAC
ATC

+

FF
FF::FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1208:16504:20870_2:N:0:TCTGCAAG+GCTGCACT
TGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAACG
ACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCT

+

FFFFFFF:FFFFFFFFF:FFF:FFF:FFFFFFFFFFF:FF:FFFFFFFFFFFFF,FFFFFFFFFFFFF
FFF:F:F

@A00721:190:HGJW7DSXY:4:1613:14516:29230_1:N:0:TCTGCAAG+GCTGCACT
GGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACG
ACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAA
GAG

+

FFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2426:7355:30921_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGTTGTGCGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG

+

FF
FFFFFFF:FFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1636:31250:31469_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTGGTAATTGTATGATCACTTTGATGATTTTATCAC
TTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTGCTGGGGACGATTCCATTCTGTTTTCAAAG
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2519:10981:20854_2:N:0:TCTGCAAG+GCTGCACT
TTTAAACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGT
GAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTAC

+

FFFFF,FFFFFFFFFFFFFFFFF:FFFFFFFFF::FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1467:4255:29684_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGA
CCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2626:4246:5682_2:N:0:TCTGCAAG+GCTGCACT
GACAACAGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAA
TTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTT

+

FFF:FFFFFFFFFFFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:2156:5421:22717_1:N:0:TCTGCAAG+GCTGCACT
TTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTCTAATAATGATGACACTATTGTT
TATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAA
GCG

+
FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1563:5249:14121_1:N:0:TCTGCAAG+GCTGCACT
TTGGTCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTG
GTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCA
GTA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1533:10059:30154_2:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2454:4291:2848_2:N:0:TCTGCAAG+GCTGCACT
GGTGGTGGTACTTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGG
TGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGC

+
FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1513:3414:30608_2:N:0:TCTGCAAG+GCTGCACT
TTCACAACTGAAGGAGGAGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTC
TTGAACTCACTTATGACGATCTAGTGAAATTAACGCGTCTTTTCTGG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2330:26955:16986_1:N:0:TCTGCAAG+GCTGCACT
TTCTACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAA
CGAGCTTGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACT
CTT

+
FFFFFFFFFFFFFF:FFF,FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2201:18855:8469_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTTTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCAT
GGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAA
GGA

+
:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2460:15763:17581_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCA

CTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTTCCGGAGTTT
+
FF:FF
FF
@A00721:190:HGJW7DSXY:4:2601:27615:2472_2:N:0:TCTGCAAG+GCTGCACT
TATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATG
CTGACTTTCGTCAATATGATTTGATCTGGTTGCTCAATTCTAAGCGTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2114:5249:23578_2:N:0:TCTGCAAG+GCTGCACT
GATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTT
TATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1470:5312:7310_2:N:0:TCTGCAAG+GCTGCACT
ATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCG
TGGGCTTTCGTAAGGAAGATCTGTTATCGACGTTTATCGTTTACG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1609:30355:9940_2:N:0:TCTGCAAG+GCTGCACT
GGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACG
TTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTAT
+
FFF:FF
FFF:FF
@A00721:190:HGJW7DSXY:4:1204:28492:4586_1:N:0:TCTGCAAG+GCTGCACT
AATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT
CGAGCCTCGACCCGATTATATGGTATTAATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTA
TAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2528:16947:33536_1:N:0:TCTGCAAG+GCTGCACT
TAAATAATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGA
TTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTA
ATC
+
FF,FFF::FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2269:13738:10755_1:N:0:TCTGCAAG+GCTGCACT
TGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCTAGCCTTCAAGTGGGGT
ATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCGTTGATGCTATGTCAGAAGAAGC
TAT
+
FF:FFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2655:8440:34961_2:N:0:TCTGCAAG+GCTGCACT
GTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTA

+

@A00721:190:HGJW7DSXY:4:1518:17598:29778_1:N:0:TCTGCAAG+GCTGCACT
CACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTACCAAATTCT
TGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTA
CTT

+

@A00721:190:HGJW7DSXY:4:1262:31530:20494_2:N:0:TCTGCAAG+GCTGCACT
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTA
ATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTA

+

@A00721:190:HGJW7DSXY:4:1177:5828:35916_1:N:0:TCTGCAAG+GCTGCACT
ATGAGTACGAAACAAACTCTTCGTTACTAGACCTGTTGGTATAATAGATTTAGTCTATACACCCATC
TCAACGAGTATAAAGCGATTTTTCTTCCTGAACGTAATACACGAAGATATCAACCGCAAACGACTCG
A

+

@A00721:190:HGJW7DSXY:4:2106:30237:33567_1:N:0:TCTGCAAG+GCTGCACT
TATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTC
TTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTAT
GTA

+

@A00721:190:HGJW7DSXY:4:1631:25491:13416_1:N:0:TCTGCAAG+GCTGCACT
TCACAGACTCCGAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAAGCTATTATCCGATT
CTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAGCTTCAATTCCTTCGATGTTTAT
ATT

+

@A00721:190:HGJW7DSXY:4:1117:10673:20854_1:N:0:TCTGCAAG+GCTGCACT
TTTGACAAATTTTAGAACTTTATTTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC
TTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTAGCGGTATACTTGAATAC
TTT

+

@A00721:190:HGJW7DSXY:4:1316:16649:19304_1:N:0:TCTGCAAG+GCTGCACT
TGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCAC
CGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTG
AAC

[illegible]

$+$

+

+

+

+

+

+

@A00721:190:HGJW7DSXY:4:2403:15221:27038_1:N:0:TCTGCAAG+GCTGCACT
ATTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACG
TACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACG
CTT

```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2545:5005:31673_1:N:0:TCTGCAAG+GCTGCACT
TGCGATAGCTGTAGAGGTATACGATATCTCTCTTGATGATGTAGCCACTATAATGCTTAAGAGAGAGA
TTGATGTATGTCATTTTCGTCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCC
GTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1549:21721:21825_1:N:0:TCTGCAAG+GCTGCACT
ATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTTCGTTCTCAATAAAAATTTTTCTCAAGAGAT
TATGGTTGATAAAGTTTTCTTCATAAGGGCTATTTCAGTACGTCATGGGGATCACTTCTTCGGTCAATG
ACA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1416:3893:32659_2:N:0:TCTGCAAG+GCTGCACT
ATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAAG
ATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1607:11514:8531_2:N:0:TCTGCAAG+GCTGCACT
TAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACT
TTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTCAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1575:4191:3302_1:N:0:TCTGCAAG+GCTGCACT
TGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGA
AGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGAGAGGTGATCCC
GGA
+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1454:27823:26913_1:N:0:TCTGCAAG+GCTGCACT
TGCTGGCTCTAAGGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTAC
AAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAATAAA
CTA
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2168:27037:36292_1:N:0:TCTGCAAG+GCTGCACT
CAGAGTCTCTTGGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGAC
CTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAG
TTA
+
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```


@A00721:190:HGJW7DSXY:4:1613:14805:23218_1:N:0:TCTGCAAG+GCTGCACT
GGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACG
ACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAA
GAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2468:21658:25222_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGCGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG

+

FFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2132:5285:21449_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCAC
TTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTGCGCTGGGACGATTCCATTCTGTTTTCAAAG
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1272:25518:22608_1:N:0:TCTGCAAG+GCTGCACT
AACGATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAA
ATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCC
TGT

+

F:FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1534:32081:23578_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGA
CCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT

+

FFFFF:FFFFFFFFFFFFFFFFFFFF:F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1108:25292:35055_2:N:0:TCTGCAAG+GCTGCACT
AGCAGGGGTTTTCGAATAGTAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTA
TTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCAATG

+

FFFFFFFFFFFF:FF
FF:F:F

@A00721:190:HGJW7DSXY:4:2175:29948:16532_1:N:0:TCTGCAAG+GCTGCACT
TTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTCTAATAATGATGACACTATTGTT
TATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAA
GCG

+

F:FFFFFFFFFFFFFFFF:FFFFFFFFFF,FF,FF,FF,FFFF,FFFF,FFFF:FFFFFF:F:F:FFFF
F,FFFF,,FFF:FFFFFFFF:F,F:FFFFFFFF:FFFFFF:FFFF:,:FFFF:,FFFFFF,F
FFF

@A00721:190:HGJW7DSXY:4:2323:21016:22388_1:N:0:TCTGCAAG+GCTGCACT
TTGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTG

GTTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCA
GTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1605:22028:2065_2:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGA

+

FFF:FF
FF
F,F,FFFF:FF

@A00721:190:HGJW7DSXY:4:1125:2058:10786_1:N:0:TCTGCAAG+GCTGCACT
GTGGTGGTACTTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGT
GGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTC
TTT

+

FFFFFFFFFFFF,F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2140:3965:22545_2:N:0:TCTGCAAG+GCTGCACT
TTCACAACTGAAGGAGGAGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTC
TTGAACTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGG

+

FFFFF:FF
FF
F:FFFF

@A00721:190:HGJW7DSXY:4:1374:15103:33191_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTCAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAA
CGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACT
CTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2224:16251:14951_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTTTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCAT
GGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAA
GGA

+

FFF:FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2643:8739:29121_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCA
CTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTTCCGGAGTTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2135:31033:5948_2:N:0:TCTGCAAG+GCTGCACT
GATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTT
TATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACT

+

FFFFF:FFFFFFFFF:FFFFFFF:FFFFF:FFFFFFFFF:FFFFFFFFF,FFFFFFFFFFF:FFF:FFFFFF::F
FFFFFFFF:FFFFFFFF:FF,,FFFFFFFFFFFFFFFF:FFFFFFFFF::F,F

@A00721:190:HGJW7DSXY:4:1527:3396:17832_2:N:0:TCTGCAAG+GCTGCACT
ATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCG
TGGGCTTCCGTAAAGGAAGATCTGTTATCGACGTTTATCGTTTACG

+

FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFF
FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2236:4444:27101_2:N:0:TCTGCAAG+GCTGCACT
GGAAAATTTTATCCTCGTTTAACTTACTTAGACTTTCTACGATACAAATGATAACTTCTAATTTACG
TTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFF:

@A00721:190:HGJW7DSXY:4:1355:29785:31407_1:N:0:TCTGCAAG+GCTGCACT
AATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT
CGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTA
TAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1211:24243:13886_2:N:0:TCTGCAAG+GCTGCACT
ATATTACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGA
TGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAA

+

FF
FFFFFFFFFFFFFFFF,FFFFFFFF:

@A00721:190:HGJW7DSXY:4:2314:3161:7717_1:N:0:TCTGCAAG+GCTGCACT
TGTGGTACGAATTGGTCCAACATTTACCACCAAATCTTTTGATACAACTCTAGCCTTCAAGTGGGGT
ATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCGTTGATGCTATGTCAGAAGAAGC
TAT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1202:28890:11350_2:N:0:TCTGCAAG+GCTGCACT
GTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAG
CTCAACTGGGAGACGTGCTTAAATGGGTGAGATCGGAAGAGCGTCGT

+

FFFFFFF:FFFFFFFFFFFFFFFF,FF:FFFFFFFF,FFFFF:FFFFF:
FF:FFFFFFFF,FFFFFFFF,FF:FF

@A00721:190:HGJW7DSXY:4:2124:31114:16016_1:N:0:TCTGCAAG+GCTGCACT
CACTCCAAACACTATATACATTATAAAATATAAAATAAGGGAGTCATAACTTTTGTTACCAAATCT
TGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTA
CTT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1507:6569:16501_2:N:0:TCTGCAAG+GCTGCACT
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTACAGACACTTCTTATATTATTACAATAGTTA
ATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTCTTAGCTA

+

F:FFFFFFFFFFFFFFFF,FFFFFFFF:FFFFF:F,FFFFFFFF:FFFFF
FFFFFFFF:F:FFFFFFFF:FFF:,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1308:9995:15452_2:N:0:TCTGCAAG+GCTGCACT
GAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTC
AACGAGGATAAAGCGAGTTTTCCGTCTGAACGTAATACACGAAGAGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2242:20048:27853_1:N:0:TCTGCAAG+GCTGCACT
TATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTC
TTATACTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAAGACATTATCTCTTAT
GTA

+

F:FF,FFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2158:11397:11835_1:N:0:TCTGCAAG+GCTGCACT
TCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACATTATCCGATT
CTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTAT
ATT

+

FFFFFFFFFFF:FF
FFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1247:16098:27524_1:N:0:TCTGCAAG+GCTGCACT
TTTCGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC
TTTTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATAC
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2201:2275:27320_1:N:0:TCTGCAAG+GCTGCACT
TGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCAC
CGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTG
AAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2548:9146:2769_1:N:0:TCTGCAAG+GCTGCACT
GATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATT
CTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTTAATGGTATGGTAT
AAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2557:4182:25989_2:N:0:TCTGCAAG+GCTGCACT
TCTCGGTAATGAGAGTGATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCA
CACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTT

+

FF
FFFFFFFFF:,FF,FFFFFF:FF,FFFFFFFFF,:FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1511:32334:11772_1:N:0:TCTGCAAG+GCTGCACT
ATTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTT

+

@

+

@

+

@

+

@

+

@

+

@

+

@

+

@A00721:190:HGJW7DSXY:4:1435:3495:11710_2:N:0:TCTGCAAG+GCTGCACT
ATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCAACAAG
ATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGAGCGATCTTAC

+

:FFFFFF:FF
F,FFFFFFFFFFFFFFFF,FFFFFF,FF,FF:FFF:FFFFFF:FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2218:8630:10927_2:N:0:TCTGCAAG+GCTGCACT
TAGTACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACGGTGACT
TTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTTCCCTTTTTAG

+

FF
FFFFFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF,FFF:FFF

@A00721:190:HGJW7DSXY:4:1614:29740:13291_1:N:0:TCTGCAAG+GCTGCACT
TGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGA
AGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGAGAGGTGATCCC
GGA

+

FF
FFFFFFFFFFFFFFFF:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1568:13386:30279_1:N:0:TCTGCAAG+GCTGCACT
TGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGCTTTAC
AAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAATAAA
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2621:26250:21840_1:N:0:TCTGCAAG+GCTGCACT
CAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGAC
CTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAG
TTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2511:20654:18944_1:N:0:TCTGCAAG+GCTGCACT
ACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCATTACA
GTCTGGAAGTTAGATCATTTGTTGAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCT
AAA

+

F:F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2466:7139:23844_1:N:0:TCTGCAAG+GCTGCACT
TTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTC
TTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATT
GAA

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1355:22878:23234_2:N:0:TCTGCAAG+GCTGCACT
CCTGTCCAGTTGTGATGATGTTTCGGGCTGTGGGGATTAACCTCCCTCGTGAAACTTACGACGATGTT

$+$

@A00721:190:HGJW7DSXY:4:2536:22679:20071_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTG
AAT

+

@A00721:190:HGJW7DSXY:4:2306:30038:1282_1:N:0:TCTGCAAG+GCTGCACT
AAAAGACCAGAAACGTAACAAGAAGAATAAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTG
AAGAGAAAACCTGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGAT
ACC

+

@A00721:190:HGJW7DSXY:4:2272:5493:17832_1:N:0:TCTGCAAG+GCTGCACT
GTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAA
ACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACAC
ATC

+

@A00721:190:HGJW7DSXY:4:1319:18050:15812_2:N:0:TCTGCAAG+GCTGCACT
TGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAACG
ACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCT

 $+$

@A00721:190:HGJW7DSXY:4:2242:24505:8860_1:N:0:TCTGCAAG+GCTGCACT
GGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACG
ACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAA
GAG

+

@A00721:190:HGJW7DSXY:4:2520:15148:13385_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAGTCGGTTGTCGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG

+

@A00721:190:HGJW7DSXY:4:2376:9118:3756_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTTCAGACGTGTGCTCTTCCGATCTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCAC
TTTATTATGACCTTGGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAG
ACT

+

[illegible]

TTGAACTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2520:22923:12790_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTCAGCTATTAAGCTGTTGAGCGGGTAATTACACCTAAA
CGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACT
CTT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2309:11831:16877_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTTTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCAT
GGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAA
GGA
+
FF::,FF,FFFF,FF:FF,FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:F,F,FFFF,FF,::F
,F:FFFFFFFF:,,: ,FFFFFF,FFFFFF,FFFFFFFF:FFF:FF:, ,F,F:FFF,FFFF:FF,F:FF
FF:
@A00721:190:HGJW7DSXY:4:2671:19985:31281_2:N:0:TCTGCAAG+GCTGCACT
AAATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCTTTAATGGCA
CTACCTCGGTACAATCTTACTTGAACGAAGGCGACCTTCCGGAGTTT
+
FF: ,FFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2238:28953:6762_2:N:0:TCTGCAAG+GCTGCACT
GATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTT
TATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2132:6017:6370_2:N:0:TCTGCAAG+GCTGCACT
ATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGACTCTTCGATAGGGGACATTTTATCG
TGGGCTTTCGTAAGGAAGATCTGTTATCGACGGTTTATCGTTTACG
+
FF:F:FFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFF:FF:FFFFFFFFF:FFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2356:24758:16720_2:N:0:TCTGCAAG+GCTGCACT
GGAAAATTTTATCCTCGTTAACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACG
TTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGATGCATGGTGTTAT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFF
@A00721:190:HGJW7DSXY:4:1376:21025:13917_1:N:0:TCTGCAAG+GCTGCACT
AATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT
CGAGCCTCGACCCGATTATATGGTATTAAGTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTA
TAG
+
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1503:11460:23312_2:N:0:TCTGCAAG+GCTGCACT
ATATAACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACACAAGTTCGAGTGCTGCTTTGGATTACGA

TGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAA

+

F,F,,F::FFF:FFF:F,F:, ,FFFF,F:F:,F,FFFFFFF,F,F,F:FFF:, ,:, ,:F,FF,F:FF
,,FFFF:F:F:FF,F,FFF, ,FFF,:F,,FF,F,F:FFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2417:4092:10050_1:N:0:TCTGCAAG+GCTGCACT
TGTGGTACGAATTGGTCCAAAATTTACCACCAAATTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGT
ATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTGAACCCGTTGATGCTATGTCAGAAGAAGC
TAT

+

FFFFFF:FF,FFF:FF:FF,,FFF:,FFF::FF:FFF:FFFFFFFF,::FF:FFFFFFFF::FFFFFF:F
FFF:FFF:FFFFFFFF, ,FF:FFFF,FFFF,F::FFFFFFFFFFFFFFFFF:F:FFFFFF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1323:18819:33144_2:N:0:TCTGCAAG+GCTGCACT
GTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAG
CTCAACTGGGAGACGTGCTTAAATGGGTGAGATCGGAAGAGCGTCGT

+

FFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2477:14959:12148_1:N:0:TCTGCAAG+GCTGCACT
CACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCT
TGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTA
CTT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1535:6397:26318_2:N:0:TCTGCAAG+GCTGCACT
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTA
ATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F::FFFFFFFFFFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1607:8639:16203_2:N:0:TCTGCAAG+GCTGCACT
GAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTC
AACGAGGATAAAGCGAGTTTTCCGTCTGAACGTAATACACGAAGAGA

+

FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1257:13458:30185_2:N:0:TCTGCAAG+GCTGCACT
ATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTTATA
CTTTTGGGTATGTTTTGTGAAAAACATGAGATACCAAGTCTATCGAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FF:FF

@A00721:190:HGJW7DSXY:4:2221:17445:14043_1:N:0:TCTGCAAG+GCTGCACT
TCACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACCTATTATCCGATT
CTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTAT
ATT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2564:12011:25175_1:N:0:TCTGCAAG+GCTGCACT
TTGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATC

TTTTCAATAAGATGTATGATGATAATCTACTATTTTTTAAATAGTGATATTCAGCGTATACTTGAATAC
TTT

+

F:F:FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1226:19488:24345_1:N:0:TCTGCAAG+GCTGCACT
TTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATA
ACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTC
GGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1156:7066:15013_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCG
ACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTTAATGGTATGGTATAATGT
GTC

+

FFFFFFFF:F:FFFF:FF:FFFFFFFF:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2645:20311:4664_2:N:0:TCTGCAAG+GCTGCACT
TCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGCATTACTAGGATTTATCA
CACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTT

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2142:24587:12508_2:N:0:TCTGCAAG+GCTGCACT
TTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTA
CACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTT

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2351:23050:36902_1:N:0:TCTGCAAG+GCTGCACT
TACTACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACC
TTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGG
GC

+

FF:FF::FFF,FFFFFF:FFFF:FF,F:FFF:FFFFFFFF:FFFFFF,F:,F,:FFF,FFFFFF:FFF
FFF,FF,,F:FFFF,,FFF:,FFFF::F::FF,FF,FFFFFFFFFFFF:FF:F:FFFF,F::F:,F
,F

@A00721:190:HGJW7DSXY:4:1653:1163:33473_2:N:0:TCTGCAAG+GCTGCACT
TGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTACCACTCCCATACCAATCAATGATGTGACT
ATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACT

+

FFF:FFF,FFFFFFFFFFFFFFFFFFFF,:FFFF:FFF,FFFF:FFFFFFFFFFFF:FFFFF::FFF
FFF:FFFFFF:FFF,FF,FFF,,F,FF,FFFFFFFFFFFF:FF:FF

@A00721:190:HGJW7DSXY:4:2618:1172:4836_1:N:0:TCTGCAAG+GCTGCACT
ATCTAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAG
TCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCA
GGA

+

FF:FFFFFFFFFFFF::FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

FF
FFF

@A00721:190:HGJW7DSXY:4:2375:7346:7639_2:N:0:TCTGCAAG+GCTGCACT
ACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAG
TTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGT

+
FF
FF

@A00721:190:HGJW7DSXY:4:2563:27407:16016_2:N:0:TCTGCAAG+GCTGCACT
CTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGT
CGCTGGGGAAAGAGAATTGCGTGCGTTGAAGGCCGACGCTTCGAGCTT

+
FFFFF:FF:F:FF
FFFFFFFFFFFF:FFFF:FF

@A00721:190:HGJW7DSXY:4:1416:29008:17315_1:N:0:TCTGCAAG+GCTGCACT
TGGAGGATTTTATCCGCGCTTAATACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTG
GCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGA
GAG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2347:22761:34835_2:N:0:TCTGCAAG+GCTGCACT
ACTTTTCTTGAAAATTTTTCCTTTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCA
AGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTG

+
FFF:FF,FFFFFFFF,FFF:FFFF::F:FFFFFFFF::FFFF:F:FF:FFF:FFF,::FFFF,F,FFF
FF,FFFF:FFF:F,,:F:FFF:FF,F:FFFFFFFF:FFFFFFFF:FFF:

@A00721:190:HGJW7DSXY:4:2178:3929:26616_1:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCACTTTCAGAGAGGGGAGCTCTGAAAA
GGAACTTCGTGAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCA
CCA

+
FF
FF,
FFF

@A00721:190:HGJW7DSXY:4:1475:4698:17174_1:N:0:TCTGCAAG+GCTGCACT
GATTTTTTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGA
TAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATC
ACT

+
F::F,,FFF:FFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FF,FFFFFFFF:F::FFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2357:25635:17801_1:N:0:TCTGCAAG+GCTGCACT
ATTCGGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGA
TCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTATCTGGAGTTGTCTAGGGTCATGGCA
GAT

+
FFFFFFFFFFFF:FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2216:5602:17707_1:N:0:TCTGCAAG+GCTGCACT
TGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCT

ATCGTTGTCGTCCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATT
GCG

+

FF
FFFFFFFFFFFF,FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1340:32479:30185_2:N:0:TCTGCAAG+GCTGCACT
TTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGT
ACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTT

+

FF:FFFF
FF,F,F,FFF:

@A00721:190:HGJW7DSXY:4:1134:15429:27931_2:N:0:TCTGCAAG+GCTGCACT
TGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCG
GCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTG

+

FFF::FF,FFFFFFFFFFFFFFFFFFFF:FF::FFF:FF:FFFFFFFFF:F:::FFFFFFFFFFFFFFFF:FFF
FFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FF

@A00721:190:HGJW7DSXY:4:1611:8106:4726_1:N:0:TCTGCAAG+GCTGCACT
ATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTCTTCCTCAATAAAAATTTTCTCAAGAGAT
TATGGTTGATAAAGTTTTCTTCATAAGGGCTATTAGTACGTCATGGGGATCACTTCTTCGGTCAATG
ACA

+

FFF:FF:FFFF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1435:3531:12305_2:N:0:TCTGCAAG+GCTGCACT
ATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAAG
ATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGAGCGATCTTAC

+

FF:FFFFFFFFFFFFFFFF
FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1154:32515:34538_1:N:0:TCTGCAAG+GCTGCACT
TGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTGAGAGAAAAGATTCAGGACGCCTACGGTGACTT
TATGGACAAGATGCAAGTCTTGGGAAATACTTGTTCCTTTTTTAGGTTTAGTAGGTGATCTTGAC
GTC

+

FF:FFFF,FFFFFFFFFFFFFFFF
FFFFFFFF::FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF::FFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1629:5629:2848_1:N:0:TCTGCAAG+GCTGCACT
TGAGATTGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGA
AGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTACGCTACGAGAGGTGATCCC
GGA

+

FFFFFFFFFFFFFFFFFFFF:FFF:FF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2458:10963:7764_1:N:0:TCTGCAAG+GCTGCACT
TGCTGGCTCTTAGGGAGACTCCTTCTTTTTGAATGTTGTATAGAATTGGGTTGAGAAGTGCTTTAC
AAGGAGTTAGACTCTTCTTCTAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAATAAA
CTA

+

FF,FFF,F,F,FF:FFFF,F,:FF:F:FFFF,FFFFFF,,F,,,::,F,F:,,,FFFF:F,,FFFF,

:FFF:FF:FFFFFFFFF,,:FFFFFF:F:F,FF:F:F,FFFF:FFFF:FFFF:::FFF,F,,:FFF
FF:

@A00721:190:HGJW7DSXY:4:2657:13196:4241_1:N:0:TCTGCAAG+GCTGCACT
CAGAGTCTCTTGAAGTCCAGGTAGCTAATGTTCTTGAATAGCCACAGACTTTCTGGGAAAAGAGAC
CTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAG
TTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2535:3061:25582_1:N:0:TCTGCAAG+GCTGCACT
ACGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCATTACA
GTCTGGAAGTTAGATCATTTGTTGAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCT
AAA

+

FFFFFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2641:11695:20682_1:N:0:TCTGCAAG+GCTGCACT
TTCTAACCAGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTC
TTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATT
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2208:24370:7247_2:N:0:TCTGCAAG+GCTGCACT
CCTGTCCAGTTGTGATGATGTTGCGGCTGTGGGGATTAACCTCCCTCGTGAACTTACGACGATGTT
CTCGCTCGCATTTACAAGGATTACTAAGTCTGAGATCTGCCACTTCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2545:30879:35023_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTG
AAT

+

:FFFFFFF:FFF,F,:F,FF:FF,FF::F,FFFF:F,FFFF:FFFFFFF,:FF:::,FF:,,::F
F:F:,,FFFF:,FF,F:,F,,F:,F,FFF:::FFFFFFF,F::FFF:FFFFFF,FF,:FFFFFF,:
FFF

@A00721:190:HGJW7DSXY:4:2314:30047:13260_1:N:0:TCTGCAAG+GCTGCACT
AAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGAGAAAACAGAACAAGCGAGCGGTTG
AAGAGAAAAGTATGATATGGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGAT
ACC

+

FFFF:FFFF:FFF,,FFFFFF,FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2449:24840:15515_1:N:0:TCTGCAAG+GCTGCACT
GTGAAAGTTATGATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGATCGTCGCTGAGGTCAA
ACCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCATTTTTCTTACAC
ATC

+

F:,F::FFF,FF,FF,F:FFF:FF,FF:FFF:,FFFFFFFFF:F:FFFFFF,:FF:FFFFFFFFF

:F:FFFFFFFFFFFFFFFF:FF:,F:FFFFF,FF:,FF,FFF:FFFFF:FF:FFFF,F:FFF,:FFF:,
,F:
@A00721:190:HGJW7DSXY:4:1607:12219:16485_2:N:0:TCTGCAAG+GCTGCACT
TGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGCAAACTACTTCAACATCAACG
ACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2509:10782:33943_1:N:0:TCTGCAAG+GCTGCACT
GGAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACG
ACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAA
GAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2549:20302:33458_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG
+
FFFF:FF
FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2553:15248:19852_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTTGGTAATTGTATGATCACTTTGATGATTTTATCAC
TTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTGCTGGGACGATTCCATTCTGTTTTCAAAG
ACT
+
FF:FF:F
FF
FFF
@A00721:190:HGJW7DSXY:4:1170:17689:12806_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTA
TTGATGCGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGAT
+
FF:F
FFFFFFFF:FF,FFF
@A00721:190:HGJW7DSXY:4:2103:12481:21261_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGA
CCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT
+
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1331:4851:4820_2:N:0:TCTGCAAG+GCTGCACT
AGCAGGGGTTTTCGAATAGTAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTA
TTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCTCTTCAATG
+
FFFFFFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2278:27715:32800_1:N:0:TCTGCAAG+GCTGCACT
TTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTT
TATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAA
GCG

+
FFFFFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1443:25545:20776_2:N:0:TCTGCAAG+GCTGCACT
TGGTCCTACTTTTGGACAAGGCCAACTTCGTAATCTTCATGAGATCGTTTCTTTCTTTATCTCTTTGG
TTGTTAGGGATTTTGAGAGAGTGAAAGGCTTCAATTGTAGTGGTTTGG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2153:26892:30592_2:N:0:TCTGCAAG+GCTGCACT
CAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCT
TTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1420:4083:10786_2:N:0:TCTGCAAG+GCTGCACT
AATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTAC
GGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTATGATAATCTTGGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2323:21305:27367_1:N:0:TCTGCAAG+GCTGCACT
ATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGGTTTCTG
TACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTG
AAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2207:28854:27790_2:N:0:TCTGCAAG+GCTGCACT
ACCAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGTAATTACACCTAAACGAG
CTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2309:12002:17143_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTTTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTTCAGGTGCAT
GGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAA
GGA
+
FFF,:FF:FFFFFFFF:FFF:FF:F:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1147:4887:30185_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT
CTG
+
FFFFFFFFFFFFFFFF:F:FFFFFFFF:F:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2244:30888:28025_2:N:0:TCTGCAAG+GCTGCACT
GATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTT

TATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACT

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF  
FFFFFFFFFFFFFFFFFF:,FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF:F
```

+

```
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFF,FFFFFFFFFFFFFFFF
F:FFFFFFFF:FFFF:FFF:F:::FFF,FFFFFFFF,FFFF
```

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

[illegible]

+

[illegible]

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

```

+

[illegible]

+

[illegible]

@A00721:190:HGJW7DSXY:4:2425:8386:27821_2:N:0:TCTGCAAG+GCTGCACT
TTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTA
CACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTT

+

FFFF, :FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFF:F:FFFF:
FFFFFFFF:FFFFFFFFFFFFFFFF:FFF,FFFF,FFFF:, :FFFF

@A00721:190:HGJW7DSXY:4:1139:2465:22263_2:N:0:TCTGCAAG+GCTGCACT
TACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAGGGACCCGCTGTGCAGAATAACCTTC
CCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGA

+

F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFF:, FFFFF:F:FFFF

@A00721:190:HGJW7DSXY:4:1673:5086:15593_2:N:0:TCTGCAAG+GCTGCACT
TGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACT
ATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACT

+

FF:FFFFFFFFFFFFFFFF:FFFFFFF
:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FF

@A00721:190:HGJW7DSXY:4:2530:32334:32534_1:N:0:TCTGCAAG+GCTGCACT
AATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTA
CC

+

FFFFFFFFFFFFFFFF:FF:FFFFFFFFFF
FF:, F:FFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2515:3278:2566_2:N:0:TCTGCAAG+GCTGCACT
ACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCTTAAGGGTAGCTGTAAAG
TTGCGCCTGCCGACCCATCTTTGAGACCAAGACTCTCTACAGTAGGT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFF:FF,FFFFF
F:FFFFFF:FFFFFFFFFFFFFFFF:FFF:F:FFFFFFFFFF,FF,FFF

@A00721:190:HGJW7DSXY:4:1509:14208:30639_2:N:0:TCTGCAAG+GCTGCACT
GAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTG
GGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTG

+

FFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
:FFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2160:17815:16031_1:N:0:TCTGCAAG+GCTGCACT
TGGAGGATTTTATCCGCGCTTAAGTATGGGGCGAAGATCCCTATGGAGTCTTGAAGGACTTAGGTTG
GCATATTTATGCCGACGATAATAAGCATGTACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGA
GAG

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2377:11270:8703_2:N:0:TCTGCAAG+GCTGCACT
ACTTTTCTTGAATAATTTTCTTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGAAGGTGTCA
AGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTG

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2321:13494:24549_1:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAA

GGAAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCA
CCA

+

FFF:FFFFFFFFFFFF,FF
FFFFFFFF:FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1624:31629:18098_1:N:0:TCTGCAAG+GCTGCACT
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTT
TAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTAAGTGATGATTATC
ACT

+

FFF,FFF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1109:17861:28698_1:N:0:TCTGCAAG+GCTGCACT
GGTAACTTACCATATTGTTCCCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAG
ATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGAT
ACT

+

F:FF,FFF:FF:F,FFFF,FFFF,F,F:FF:FFFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFF::
FFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2217:7907:11271_1:N:0:TCTGCAAG+GCTGCACT
TGAGGGCTGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCT
ATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATT
GCG

+

FFFFFFF,FFFFFFFFFFFF,FFFFFFFFFFFF::F:FFFFFFFFFFFF:FFFFF,FFFFF,FFFFFF::F:F
FFFFFFFFFFFFFFFFFFFFF,F:FF,:FFF:FFFFFFFFF,F:FFF:,FFF,FF:FFFF,FF::FF,FF
:F,

@A00721:190:HGJW7DSXY:4:1436:7817:22357_2:N:0:TCTGCAAG+GCTGCACT
TTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGT
ACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTT

+

FFFFFFFFFFFF:FFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1250:29116:29152_2:N:0:TCTGCAAG+GCTGCACT
TGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCG
GCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTG

+

FF:FFFFFFFFFFFFFFFFFFFFF
FF:FFFFF,FF

@A00721:190:HGJW7DSXY:4:2109:9146:3991_1:N:0:TCTGCAAG+GCTGCACT
ATCGCTATACGCATACCTGATTGGAAGAAGCGAGGTTGTTTCCTCAATAAAAAATTTTCTCAAGAGAT
TATGGTTGATAAAGTTTCTTCATAAGGGCTATTAGTACGTCATGGGGATCACTTCTTCGGTCAATG
ACA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1470:32127:25974_2:N:0:TCTGCAAG+GCTGCACT
ATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTACCAAG
ATGTTTATATAGATACGAGATACCTAGAGAAGGTCGACGATCTTAC

+

@A00721:190:HGJW7DSXY:4:2649:22462:19194_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGT
CTCAGGAAGTGTCTCCACTGATTTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTG
AAT

+

:FFF,FFFFFF,FFFF:FFFFFF,F,FFFF:F:FFF:FFFFFFFF, :FFFFFFFF,FFFF:
FFF:FFFFFF:FFFFF, :,FFFFFFFF:FFF:FF: :FFFFFFFFFFFFFFFFFFFFFFFF:FF,FF:
FFF

@A00721:190:HGJW7DSXY:4:2414:9507:21120_1:N:0:TCTGCAAG+GCTGCACT
AAAAGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGAGAAAACAGAACAGCGAGCGGTTG
AAGAGAAAAGTATGATGTTGCGGCTGATCGTACCCCAATTCCTGCTAGAAAGATCACTCTCGGCGAT
ACC

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1668:8024:32299_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTGATGAGTGATCGTATTAGAAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAA
CCTGTGGACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACA
TCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1669:32633:4711_2:N:0:TCTGCAAG+GCTGCACT
TGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAACG
ACATCATCTTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCT

+

FF,FFFFFFFFFFFFFF,FFFFFFF:,FFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1367:11360:23516_1:N:0:TCTGCAAG+GCTGCACT
GAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGA
CTAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTAATGTCTCTGCCTTCCAAGATTTCTTAGAAG
AG

+

F, :F:FF::FF:FF:FF,FFF:,FF:F:,FF,FFFFFFFF:, :FFF:FFFFFF,,FFFFF:,FFF,FF,
:, :, ,FFFF,F,FF:FFFFFFFF,FFFF:FF,FFF:F,FFF::F,,FFFFFF,FFFFF,:FF, :, ,
:F

@A00721:190:HGJW7DSXY:4:2549:29197:14826_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGTTGTGCGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCG

+

FF:FFFFFFFFFFFFFF:FF:FFFFFFFFFF
FF:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2653:12870:25034_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTGGAATTGTATGATCACTTTGATGATTTTATCAC
TTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTGCTGGGACGATTCCATTCTGTTTTCAAAG
ACT

+

FFFFFFFF:FFFFFFFF:FFFFF,FFFF:: :FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFF: :FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:1170:17806:12727_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCGACCTTTCCTTGTGAAAATT

+

@A00721:190:HGJW7DSXY:4:2103:14018:22983_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1468:1796:5948_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2530:23466:11945 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2538:32081:21637 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1452:25482:25457 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1177:25997:32737 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HG1W7DSXY:4:2264:8097:30389 2:N:0:TCTGCAAG+GCTGCACT

 $+$

@A00721:190:HG1W7DSXY:4:2317:31150:19179 1:N:0:TCTGCAAG+GCTGCACT

GGA

[illegible]

@A00721:190:HGJW7DSXY:4:1454:25961:24690_2:N:0:TCTGCAAG+GCTGCACT
GTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTGAATTTAG
CTCAACTGGGGAGACGTGCTTAAATGGGTGAGATCGGAAGAGCGTCGT

@A00721:190:HGJW7DSXY:4:2576:5575:11741_1:N:0:TCTGCAAG+GCTGCACT
CACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTACCAAATTCT
TGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTA
CTT

@A00721:190:HGJW7DSXY:4:2271:31060:4460_2:N:0:TCTGCAAG+GCTGCACT
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACCCTTCTTATATTATTTACAATAGTTA
ATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTA

@A00721:190:HGJW7DSXY:4:2343:24731:7028_2:N:0:TCTGCAAG+GCTGCACT
GAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTC
AACGAGGATAAAGCGAGTTTTCCGTCTGAACGTAATACACGAAGAGA

@A00721:190:HGJW7DSXY:4:1662:22652:14105_2:N:0:TCTGCAAG+GCTGCACT
ATCCTGCCTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTTATA
CTTTTGGGTATGTTTTGTGAAAAACATGAGATACCCAAGTCTATCGAA

@A00721:190:HGJW7DSXY:4:1205:11107:23829_1:N:0:TCTGCAAG+GCTGCACT
ACAGACTCCGAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAAGCTATTATCCGATTCT
TCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAGCTTCAATTCCTTCGATGTTTATAT
TTT

@A00721:190:HGJW7DSXY:4:1106:30960:16250_1:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTT
TAT

@A00721:190:HGJW7DSXY:4:1414:13874:6637_1:N:0:TCTGCAAG+GCTGCACT
TTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATA
ACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTC
GGT

FF
FFF

@A00721:190:HGJW7DSXY:4:1460:7826:2988_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCG
ACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAATGGTATGGTATAATGT
GTC

+

FFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1220:14615:30154_2:N:0:TCTGCAAG+GCTGCACT
ATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTA
AATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAAA

+

FF
FFFFFF:FF

@A00721:190:HGJW7DSXY:4:2328:13494:33536_1:N:0:TCTGCAAG+GCTGCACT
TTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTA
CACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCT
TC

+

FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFF,FF:FFF:FFFF
FFFFF:FFFF:FFFFFFF:FFFFFFFF:FFFFFF:FFFFFF:FFFFFFFF:FFF:FFFFFFFF,FF:
FF

@A00721:190:HGJW7DSXY:4:1515:12436:34366_2:N:0:TCTGCAAG+GCTGCACT
TACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTGTGCAGAATAACCTTC
CCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGA

+

FFFFFFFFFFFF:FF
FF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1673:5701:14873_2:N:0:TCTGCAAG+GCTGCACT
TGGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACT
ATACAGTTCGCCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACT

+

FF
FFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1120:24352:10473_1:N:0:TCTGCAAG+GCTGCACT
AATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAATGTCCCAAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTA
CCC

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2578:24270:6543_2:N:0:TCTGCAAG+GCTGCACT
ACGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAG
TTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGT

+

FFF
FFF:FF

@A00721:190:HGJW7DSXY:4:1509:15203:29825_2:N:0:TCTGCAAG+GCTGCACT
GAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTG
GGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2625:19434:21183_1:N:0:TCTGCAAG+GCTGCACT
TTTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATTGAGTCTTGTAGGACTTAGGTTGGAATATTT
ATGCCGACGATAATAAGCATGTCAAACCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGT
GAG

+
FFFF::FF,FFFFFFFF:FF,FFFF,F,F,F,:FFFF:F,F:FFF,F,:F,FFF,FFF,:,,F,FFF
,FF,:FF:FFFFFFFF,FFFFFFFF,,FFF:FFFF,FF:,FFF,:F:F:FFFFFF,FF,FFFF:F:FFF
FFF

@A00721:190:HGJW7DSXY:4:2633:14190:22279_2:N:0:TCTGCAAG+GCTGCACT
ACTTTTCTTGAAAATTTTTCCTTTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCA
AGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTG

+
FFF:FFFFFFFFFFFFFFFF:FFFFFF:FF:FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFF:FFF:FFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2331:26304:10974_1:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCACTTTCAGAGAGGGGAGCTCTGAAAA
GGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAAGGAAGGCTCTAGAGAAGATCTCA
CCA

+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF,
FFF

@A00721:190:HGJW7DSXY:4:2202:14579:25895_1:N:0:TCTGCAAG+GCTGCACT
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGA
TAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATC
ACT

+
F::F,:FF,:FFFF:FFFFFFFF:F:F:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:F
FFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
F,F

@A00721:190:HGJW7DSXY:4:1151:4951:30264_1:N:0:TCTGCAAG+GCTGCACT
GGTAACTTACCATATTGTTCCCTTCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAG
ATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGAT
ACT

+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2522:2130:28322_1:N:0:TCTGCAAG+GCTGCACT
TGAGGGCGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCT
ATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTGCGCAGTTTCCAGAATT
GCG

+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2158:30002:11052_2:N:0:TCTGCAAG+GCTGCACT
TTTGCAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGT
ACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTT

+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF::F:FFFF

@A00721:190:HGJW7DSXY:4:2213:32425:15781_1:N:0:TCTGCAAG+GCTGCACT
CGCTACACTCGAAATATGGGCCCTCATAAGGAAGTATAGTTGGCGTCTTGTCGTTGACGTCATTACAG
TCTGGAAGTTAGATCATTTGTTTCAGGAAGATCTCTACAGAGATTATCGAGAGTTGTGATCTAGTTCTA
AA

@A00721:190:HGJW7DSXY:4:2558:1958:33411_2:N:0:TCTGCAAG+GCTGCACT
CGGTAATCTTTCAGCCGAATTAAGTACTAATGAGTTCAAGTCGGTTGTCGATCGAATTAAGATCAAGG
CTAATACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTCGTCAGCGCG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1130:18114:18677_2:N:0:TCTGCAAG+GCTGCACT
CTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTG
TGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAA

+

: ,F: ,FFFF:FFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFF,FF:F,FFFFFFFF::FF: , ,:F:F
F: , ,FFFF,F,FFFFFFFF:FFF:F:FFFF,FFFFFFFF::FFFFFFFF

@A00721:190:HGJW7DSXY:4:1266:17680:30295_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTAATAATT
TTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2133:29197:1611_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGA
CCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT

+

:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1542:22643:1532_2:N:0:TCTGCAAG+GCTGCACT
AGCAGGGGTTTTTCGAATAGTAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTA
TTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCAATG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2542:10592:35869_1:N:0:TCTGCAAG+GCTGCACT
TTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTT
TATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAA
GCG

+

FFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2617:17255:24768_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCTTTAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCAT

+

FFF:FFFFFFFF: ,FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF::FFFFFFFF:F::FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:1524:9091:32518_2:N:0:TCTGCAAG+GCTGCACT
AATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTAC
GGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTAC

+

FFFFFFFFFFFFFFFF:FF,FFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFFFFFFF,FFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1201:32606:36104_2:N:0:TCTGCAAG+GCTGCACT
ACGGCGCACTTCTTTACCGCCACCACAACTTTCAGTTTCACTGAAGGAGGAGTTTCTGTTA

+

@A00721:190:HGJW7DSXY:4:2143:32805:30812_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTATTACTCTTGCTGAAACAGCTATTAAGCTGTTGAGCGGGTAATTACACCTAAACGAGC
TCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCG
TCG

+

@A00721:190:HGJW7DSXY:4:2340:11252:13902_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCAT
GGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAA
GGA

+

@A00721:190:HGJW7DSXY:4:1177:4707:29778_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT
CTG

+

@A00721:190:HGJW7DSXY:4:2441:1985:14669_2:N:0:TCTGCAAG+GCTGCACT
GATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTT
TATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACT

+

@A00721:190:HGJW7DSXY:4:2351:29975:15828_2:N:0:TCTGCAAG+GCTGCACT
ATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCG
TGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACG

+

@A00721:190:HGJW7DSXY:4:1244:28646:7326_1:N:0:TCTGCAAG+GCTGCACT
AAAATTTTATCCTCGTTTAACTTACTTAGACTTTCTACGATACAAATGATAACTTCTAATTTACGTT
TGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATT
GAT

+

@A00721:190:HGJW7DSXY:4:1568:21612:21042_1:N:0:TCTGCAAG+GCTGCACT
GACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGAC
CCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTAT
TTT

+

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:1429:27841:12164_1:N:0:TCTGCAAG+GCTGCACT
TACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGAC
GTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGC
TTC

+

FF::FFFF:FF,FFFFFFFF
FF:FFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2540:13413:20682_1:N:0:TCTGCAAG+GCTGCACT
TGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTAGCCTTCAAGTGGGGT
ATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGC
TAT

+

FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2132:8919:24205_2:N:0:TCTGCAAG+GCTGCACT
GTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAG
CTCAACTGGGGAGACGTGCTTAAATGGGTGAGATCGGAAGAGCGTCGT

+

FFFFFFF:FFFFFFFFF:FFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFF::FFFFFFF:FFFF:F
FFFFFFFFFFFFFFFF:FFFFFFF:F:FFFFFFF:F:FFFFFFFFFF,FFFFF

@A00721:190:HGJW7DSXY:4:2578:27887:24893_1:N:0:TCTGCAAG+GCTGCACT
CACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCT
TGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTA
CTT

+

FFFFFFF:FF:FFFFFFFF
FFFFF:FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2341:2700:20885_2:N:0:TCTGCAAG+GCTGCACT
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTA
ATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTA

+

FF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFF,FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2404:16658:6480_2:N:0:TCTGCAAG+GCTGCACT
GAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTC
AACGAGGATAAAGCGAGTTTTCCGTCTGAACGTAATACACGAAGAGA

+

FF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1351:30002:12806_1:N:0:TCTGCAAG+GCTGCACT
ACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCT
TCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATAT
TTT

+

FF:FFFFFFFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1249:5755:35697_1:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTT

TTCAATAAGATGTATGATGATAATCTACTATTTTTTAAATAGTGATATTCAGCGTATACTTGAATACTT
TAT

+

F:F,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2118:13747:18317_1:N:0:TCTGCAAG+GCTGCACT
TTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATA
ACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTC
GGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1517:25943:17738_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCG
ACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTTAATGGTATGGTATAATGT
GTC

+

FF:FFFFFF:FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1330:15998:15421_2:N:0:TCTGCAAG+GCTGCACT
ATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTA
AATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAAA

+

FFFFF:FFFFFFFFF:FF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFF:

@A00721:190:HGJW7DSXY:4:1321:7157:10535_1:N:0:TCTGCAAG+GCTGCACT
TAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC
ACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATGAACTGCCGCTT
C

+

FFFFF:FF
FFFFFFFFFFFFFFFFFFFF,FFF:
F

@A00721:190:HGJW7DSXY:4:2370:25861:35759_2:N:0:TCTGCAAG+GCTGCACT
TACCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCGCTGTGCAGAATAACCTTC
CCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGA

+

FFFFFFF:FFFF:FF:FF
FFFFFFFF:FFFFFFF,FFF:FFFFF::FFFF::FFFF,FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2107:31412:20290_2:N:0:TCTGCAAG+GCTGCACT
TGGGAACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACT
ATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1223:7609:6151_1:N:0:TCTGCAAG+GCTGCACT
AATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTA
CCC

+

FFFFFFFFFFFFFFF,FF
FFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F
FFF

@A00721:190:HGJW7DSXY:4:1235:4155:24408_2:N:0:TCTGCAAG+GCTGCACT
CGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGT
TGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTT

+

FFFFFF,FFFFFFFFFFFFFFFFFFFF::FF:FFF:
FF

@A00721:190:HGJW7DSXY:4:2141:13539:16861_2:N:0:TCTGCAAG+GCTGCACT
GAATTCGTCACCTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTG
GGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTG

+

FF:F:F
FFFF:FFFF,FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2660:27471:33223_1:N:0:TCTGCAAG+GCTGCACT
TTTATCCGCGCTTAACCTATGGGGCGAAGATCCCCTATTGAGTCTTGAAGGACTTAGGTTGGCATATTT
ATGCCGACGATAATAAGCATGTACCCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGT
GAG

+

FF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
,FFFFFFFFF:FFFFFFFFF:FF:
FFF

@A00721:190:HGJW7DSXY:4:2635:25934:31657_2:N:0:TCTGCAAG+GCTGCACT
ACTTTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCA
AGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTG

+

FFFFFF::FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2538:19678:11710_1:N:0:TCTGCAAG+GCTGCACT
CGAAATTAAAGACGGGGGGATTAAGAGTCCAGCTGTAACCTGTCATTTAGAGAGGGGAGCTCTGAAAA
GGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCC
CCA

+

FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF
FF,
FFF

@A00721:190:HGJW7DSXY:4:2231:2230:27305_1:N:0:TCTGCAAG+GCTGCACT
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGA
TAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATC
ACT

+

FFFF:FF:F,FF:FFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF
FF,FF
FFF

@A00721:190:HGJW7DSXY:4:1338:7600:20979_1:N:0:TCTGCAAG+GCTGCACT
GGTAAATTACCATATTGTTCCCTTCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAG
ATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGAT
ACT

+

FF:FF,FFFF,FF:FFFF:FFFFF,FFF,FFFF,FFF::FFFFFFFFF,FFFFFFFFFFFFFFFF
:F:FF:FFFF:FFF:FF:FF,FFFFFFFF::FF,FFFFF,FFF:FFFFFFFFFFFF:FFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2533:12608:14935_1:N:0:TCTGCAAG+GCTGCACT
TGAGGGCGGTTGAGGGAGCCGTTTTGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCT

@A00721:190:HGJW7DSXY:4:2329:1814:12461_2:N:0:TCTGCAAG+GCTGCACT
AATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTAC
GGTAATTACTATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGA

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1618:5701:30718_2:N:0:TCTGCAAG+GCTGCACT
ACGGCGCACTTCTTTACCCGCCACCACAACTTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTGTTA
CTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTTGAAGTCA

[illegible]

@A00721:190:HGJW7DSXY:4:2346:18177:1282_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTATTACTCTTGCTGAAACAGCTATTAAGCTGTTGAGCGGGTAATTACACCTAAACGAGC
TCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCG
TCG

[illegible]

@A00721:190:HGJW7DSXY:4:2450:28284:26678_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTTTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTTCAGGTGCAT
GGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAA
GGA

```
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFF::FFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
:FFFFFF:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:F::F::F:FF
FFF
```

@A00721:190:HGJW7DSXY:4:1202:4001:34632_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT
CTG

[illegible]

@A00721:190:HGJW7DSXY:4:2441:2763:14888_2:N:0:TCTGCAAG+GCTGCACT
GATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTT
TATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACT

```

+
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FF:FFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF

```

@A00721:190:HGJW7DSXY:4:2422:18177:4100_2:N:0:TCTGCAAG+GCTGCACT
ATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCG
TGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACG

[illegible]

@A00721:190:HGJW7DSXY:4:1342:4218:12555_1:N:0:TCTGCAAG+GCTGCACT
AAAATTTTATCCTCGTTTAACTTACTTAGACTTTCTACGATACAAATGATACTTCTAATTTACGTT
TGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATT
GAT

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:1620:23827:21120_1:N:0:TCTGCAAG+GCTGCACT
GACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGAC
CCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTAT
TTT

+
F:FF,FFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1663:11460:32831_1:N:0:TCTGCAAG+GCTGCACT
TACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGAC
GTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGC
TTC

+
FF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2641:16514:4163_1:N:0:TCTGCAAG+GCTGCACT
TGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACTCTAGCCTTCAAGTGGGGT
ATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGC
TAT

+
FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2440:4309:10958_2:N:0:TCTGCAAG+GCTGCACT
GTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAG
CTCAACTGGGGAGACGTGCTTAAATGGGTGAGATCGGAAGAGCGTCGT

+
FF
FF

@A00721:190:HGJW7DSXY:4:2653:12002:9627_1:N:0:TCTGCAAG+GCTGCACT
CACTCCAAACACTATATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTACCAAATTCT
TGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTA
CTT

+
FF
FF:FF:FFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2477:15167:28823_2:N:0:TCTGCAAG+GCTGCACT
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTA
ATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTA

+
FF
:FF,FFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:2477:15167:28823_1:N:0:TCTGCAAG+GCTGCACT
AGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATATATTTATTCTCTACACCCATCTCA
ACGAGTATAAAGCGTTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAA
CC

+
F:FF,,FFFF,,FF,,F:,,,FFF:,,:FF,F,,F,,FF:FFF:,,,FFF,,,:,:,FF,FFFF:FF:,F
F:F,F,F:FF,F:F,,FFF,F,FFF,F:F:,,:FFF:,,:F,FF,F:F:,F:,,:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1373:4399:15687_1:N:0:TCTGCAAG+GCTGCACT
ACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACTATTATCCGATTCT
TCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTTCAATTCCTTCGATGTTTATAT
TTT

+

FFF:
FFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1324:19343:35775_1:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTACAGCGTATACTTGAATACTT
TAT

+

FFF
FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2160:11785:17174_1:N:0:TCTGCAAG+GCTGCACT
TTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATA
ACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTC
GGT

+

FFF
FFFFFFFFF:FFFFFFFFFFFFF:FFF:FFFF,
FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1578:16586:31594_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCG
ACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACTTACATTTTTAATGGTATGGTATAATGT
GTC

+

FFF
FF:FFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2548:9146:2769_2:N:0:TCTGCAAG+GCTGCACT
ATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTA
AATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAAA

+

FFFFFFFFFFFFFFFFF:FFF:FFF:FF
FFF:FFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1170:26449:11099_1:N:0:TCTGCAAG+GCTGCACT
TAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC
ACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATGAACTGCCGCTT
CCC

+

FFFFFFFFFFFFF,FFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2469:20094:10708_2:N:0:TCTGCAAG+GCTGCACT
TACCGCCGTCGCGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTGTGCAGAATAACCTTC
CCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGA

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:2155:8513:28134_2:N:0:TCTGCAAG+GCTGCACT
TGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACT

+

@A00721:190:HGJW7DSXY:4:1228:3676:32784_1:N:0:TCTGCAAG+GCTGCACT
AATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTA
CCC

+

@A00721:190:HGJW7DSXY:4:1505:10131:14058_2:N:0:TCTGCAAG+GCTGCACT
CGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGT
TGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTT

+

@A00721:190:HGJW7DSXY:4:2143:3766:2002_2:N:0:TCTGCAAG+GCTGCACT
GAATTCGTCACCTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTG
GGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGAG

+

@A00721:190:HGJW7DSXY:4:1410:2049:14090_2:N:0:TCTGCAAG+GCTGCACT
TTATCCGCGCTTA ACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTA
TGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGG

+

@A00721:190:HGJW7DSXY:4:1212:31801:32550_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGG
GTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATA

+

@A00721:190:HGJW7DSXY:4:1317:12689:22028_2:N:0:TCTGCAAG+GCTGCACT
AAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCACTTCAGAGAGGGGAGCTCTGAAAAGG
AAACTTCGTCAGAAGATGAGGAAGTTCCTCCGAAATTAAGACGGGGGG

+

@A00721:190:HGJW7DSXY:4:2335:9281:3161_1:N:0:TCTGCAAG+GCTGCACT
GATTATTTGAAGCAGGGGTACCCTTCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTAGA
TAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAAGTGATGATTATC
ACT

 $+$

@A00721:190:HGJW7DSXY:4:1363:24605:31485_1:N:0:TCTGCAAG+GCTGCACT
GGTAACTTACCATATTGTTCCCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAG
ATCCGGATGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGAT
ACT

[illegible]

@A00721:190:HGJW7DSXY:4:2642:24532:14450_2:N:0:TCTGCAAG+GCTGCACT
AAGGCTAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCA
GTCAGAGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATT

+

FF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1251:20338:35399_2:N:0:TCTGCAAG+GCTGCACT
CTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTG
TGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAA

+

FF:FFFFFFFF
FFFFFFFF:FFF::FF

@A00721:190:HGJW7DSXY:4:1433:18168:6746_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATT
TTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGAT

+

F:FFF,FFFFFFFFF:F,F:FFFF::,F:, ,FFF,FFFFFFFF, :,FFF,,F:F:FFF,:FFFF,FFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFF,F:FFF,FFF:, ,FFF,

@A00721:190:HGJW7DSXY:4:2177:5348:25692_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGA
CCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT

+

FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF,FF:FFFFF:
:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2234:32398:8876_2:N:0:TCTGCAAG+GCTGCACT
AGCAGGGGTTTTTCGAATAGTAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTA
TTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATG

+

FF
FF:FF

@A00721:190:HGJW7DSXY:4:2606:11134:21465_1:N:0:TCTGCAAG+GCTGCACT
TTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTT
TATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAA
GCG

+

FF
FF:
FFF

@A00721:190:HGJW7DSXY:4:2669:19967:13620_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCTTTAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCAT

+

FFFFFFFFFFFFFFFFFFFF,FFF,FF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,::FFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2529:21395:22044_2:N:0:TCTGCAAG+GCTGCACT
AATGGGATTTCCTACGTAGTTTATGACTGTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTAC
GGTAATTACTATAGTGTTATTTATTCTGGTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTAC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFF:FFFFFFFFFFFFFFFF:FFFFF:F

@A00721:190:HGJW7DSXY:4:2333:32371:9017_2:N:0:TCTGCAAG+GCTGCACT
ACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTCACAACCTGAAGGAGGAGTTTCTGTTA

+

@A00721:190:HGJW7DSXY:4:2433:11623:9126_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTATTACTCTTGCTGAAACAGCTATTAAGCTGTTGAGCGGGTAATTACACCTAAACGAGC
TCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCG
TCG

+

@A00721:190:HGJW7DSXY:4:2556:27471:12618_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTTTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCAT
GGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAA
GGA

+

@A00721:190:HGJW7DSXY:4:1202:4056:34726_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGGAACTGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT
CTG

+

@A00721:190:HGJW7DSXY:4:2536:27832:20165_2:N:0:TCTGCAAG+GCTGCACT
GATTTTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTT
TATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACT

+

@A00721:190:HGJW7DSXY:4:2451:18475:21966_2:N:0:TCTGCAAG+GCTGCACT
ATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCG
TGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACG

+

@A00721:190:HGJW7DSXY:4:1658:4544:5321_1:N:0:TCTGCAAG+GCTGCACT
AAAATTTTATCCTCGTTTAACTTACTTAGACTTTCTACGATACAAATGATACTTCTAATTTACGTT
TGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTT
GAT

+

@A00721:190:HGJW7DSXY:4:1651:20654:36479_1:N:0:TCTGCAAG+GCTGCACT
GACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGAC
CCGATTATATGGTATTAAC TTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTAT
TTT

+

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:1663:12029:33066_1:N:0:TCTGCAAG+GCTGCACT
TACTAATGGCAAATAGTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGAC
GTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGC
TTC

+

FFFF:F,FF:FFFFFFFF:FFFFFFFF:FFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF
:FF

@A00721:190:HGJW7DSXY:4:2663:29197:9283_1:N:0:TCTGCAAG+GCTGCACT
TGTGGTACGAATTGGTCCAACATTTACCACCAAATTCTTTTGATACAACCTAGCCTTCAAGTGGGGT
ATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTCGAACCGTTGATGCTATGTCAGAAGAAGC
TAT

+

F:FFFF:,FF:FFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFF
FFFFFFFF:FFF:FFFFFFFF:FFFFFFFF:FFFFF:FF:FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2551:10800:29622_2:N:0:TCTGCAAG+GCTGCACT
GTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAG
CTCAACTGGGGAGACGTGCTTAAATGGGTGAGATCGGAAGAGCGTCGT

+

FF:FFFFFFFF
FFF:FFFFFFFF:FFFF:FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2317:7663:15483_1:N:0:TCTGCAAG+GCTGCACT
CTATATACATTATAAAATATAAAATAAGGGAGTCATAACTTTTGTTACCAAATCTTGGCTTTCAAC
GAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACG
TCG

+

FFF:FFFFFFFF,,:FFF::FF:FFFF:FFFF:FF:FFFF:FFFF:FFFF:FFFF:FFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFF:FFFF:FFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1610:30165:5541_2:N:0:TCTGCAAG+GCTGCACT
TGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACT
ATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1119:28411:24392_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAG
TTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1413:28049:5541_1:N:0:TCTGCAAG+GCTGCACT
ACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACTATTATCCGATTCT
TCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATAT
TTT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1412:18050:30405_1:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT


```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,  
FFF  
@A00721:190:HGJW7DSXY:4:1505:11216:15248_2:N:0:TCTGCAAG+GCTGCACT  
CGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTACTTAAGGGTAGCTGTAAAGT  
TGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2238:21685:8359_2:N:0:TCTGCAAG+GCTGCACT  
GAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTG  
GGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTG  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2178:16215:17675_2:N:0:TCTGCAAG+GCTGCACT  
TTATCCGCGCTTAATACTATGGGGCGAAGATCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTA  
TGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCG  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F  
@A00721:190:HGJW7DSXY:4:1314:15835:3145_2:N:0:TCTGCAAG+GCTGCACT  
TTTCTTGAAAATTTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGG  
GTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:1367:24804:1423_2:N:0:TCTGCAAG+GCTGCACT  
AAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAAGTGCATTTTCAGAGAGGGGAGCTCTGAAAAGG  
AACTTCGTCAGAAGATGAGGAAGTTCTCCGAAATTAAGACGGGGGG  
+  
FFFFFFFFFF:FFFFFFFF:F:FFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
F::FFFFF,F:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2437:10149:32503_1:N:0:TCTGCAAG+GCTGCACT  
GATTATTTGAAGCAGGGGTACCCTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTLAGA  
TAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATC  
ACT  
+  
FFF,, ,FFF,FFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1616:8296:31234_1:N:0:TCTGCAAG+GCTGCACT  
GGTAACCTACCATATTGTTCCCTTCGGGAAGTTGTGGGATTTAACTTTGACTCACTACTCCGATCAG  
ATCCGGATGTTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGAT  
ACT  
+  
FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2653:32452:9565_1:N:0:TCTGCAAG+GCTGCACT  
TGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAACCT  
ATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATT  
GCG  
+
```


@A00721:190:HGJW7DSXY:4:1441:10556:33677_2:N:0:TCTGCAAG+GCTGCACT
CTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCTG
TGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAA

+

FF:FFF:FFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1514:25581:14982_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATT
TTGATGCGGTTTTATAAGATTATCAGTAATCCTGATTCTACTACGGAT

+

FFFFFFFF:FF,FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2221:22634:17801_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGA
CCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2278:18521:25864_2:N:0:TCTGCAAG+GCTGCACT
AGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTA
TTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCAATG

+

FFF:FF
FF

@A00721:190:HGJW7DSXY:4:1634:7193:8813_2:N:0:TCTGCAAG+GCTGCACT
AACACAATGATAGTGAATTTATACCTACAATCATTGGTTTTCTAATAATGATGACACTATTGTTTA
TGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2674:19452:32393_2:N:0:TCTGCAAG+GCTGCACT
GAGTGAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGA
TATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCAT

+

FF
FFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2323:16080:10300_2:N:0:TCTGCAAG+GCTGCACT
CCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTAC
TATAGTGTTATTTATTCTGGTGGTGGTGGTACTTTGAGGTCGTGAC

+

FFFFFFFFFFFF,FF:FFFF:FFFFFFFF
F::FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2410:25852:17080_2:N:0:TCTGCAAG+GCTGCACT
ACGGCGCACTTCTTTACCCGCCACCACAACTTTCAGTTTCACACTGAAGGAGGAGGTTTCTGTTA
CTGAAAACCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCA

+

FF
FF:FFFF

@A00721:190:HGJW7DSXY:4:2433:11975:9111_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGC
TCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGACTCTTCG
TCG

+
FFFFFFFF:FFF:FFF
FFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2556:5746:30953_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTTTTTCAATCTTCTTA AAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTTCAGGTGCAT
GGGGTTGGATAGCCAATATTGAAGTGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAA
GGA
+
FFFFFFFF:FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1224:27190:10974_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACC ACTCTCTACGAACCTAAAGTTCTGAAGACGTTGCTTGT CGCTTCCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTTACGGGATCCGGAATGTT
CTG
+
F, FFF: FFFFFF, FFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFF: FFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1128:12762:2080_2:N:0:TCTGCAAG+GCTGCACT
TTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATA
AGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAA
+
FFF
FFFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2472:19162:2738_2:N:0:TCTGCAAG+GCTGCACT
ATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCG
TGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGTTTATCGTTTACG
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:2463:2654:17456_1:N:0:TCTGCAAG+GCTGCACT
AAAATTTTATCCTCGTTTAACTTACTTAGACTTTCTACGATACAAATGATAACTTCTAATTTACGTT
TGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTCAGGAGTCCCGCATTT
GAT
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2143:9742:15953_1:N:0:TCTGCAAG+GCTGCACT
GACTTTCGT CATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGCGAGCCTCGAC
CCGATTATATGGTATTA AACTTATAAAGGTGAGGAGACCATTTCTTGCTGAAATTTATAGAAGATTAT
TTT
+
FFFFF:, FFF: FFFFF: FFFFFFFFFFFFFFFFFF: FFFFFF::, FF: FFFF:F: FFFFFF: FFF
: FFFFFFFFFF, FFFFF: FFFFFFFFFF: FFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFF:
FFF
@A00721:190:HGJW7DSXY:4:2526:12861:8328_1:N:0:TCTGCAAG+GCTGCACT
TACTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGAC
GTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGC
TTC
+
FFFFF,F,FFFFF.FFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFF:,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2418:19434:10441_1:N:0:TCTGCAAG+GCTGCACT
TTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATA

@A00721:190:HGJW7DSXY:4:2625:14742:6073_2:N:0:TCTGCAAG+GCTGCACT
GAATTCGTCCTACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTG
GGGACAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTG

+

FF
FFFF,FF

@A00721:190:HGJW7DSXY:4:2629:3694:3161_2:N:0:TCTGCAAG+GCTGCACT
TTATCCGCGCTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTA
TGCCGACGATAATAAGCATGTCACCCTTAAGCACCAGGTAAGCTCGG

+

FF
FFFFFFFFFFFFFFFF,FF:FFF:FF

@A00721:190:HGJW7DSXY:4:1360:14082:15295_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGG
GTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2147:4209:14011_2:N:0:TCTGCAAG+GCTGCACT
AAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGG
AACTTCGTCAGAAGATGAGGAAGTTCTCCGAAATTAAGACGGGGGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1165:25183:7874_2:N:0:TCTGCAAG+GCTGCACT
ATTATTTGAAGCAGGGGTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTAGAT
AATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2443:19614:31015_1:N:0:TCTGCAAG+GCTGCACT
GGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAG
ATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGAT
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2653:32579:9439_1:N:0:TCTGCAAG+GCTGCACT
TGAGGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCT
ATCGTTGTGCTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATT
GCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1526:16432:4523_2:N:0:TCTGCAAG+GCTGCACT
CAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCT
ACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGT

+

FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFF:F:FFF:FFFFFFFFFFFF:FFFF
:FFFF:FF:FFFFFFF::

@A00721:190:HGJW7DSXY:4:2357:30373:26224_2:N:0:TCTGCAAG+GCTGCACT
TGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTCGTCTTAGTTTGTCCCG

GCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTG

+

FFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF
FFFF:FFFFFFFFFFFFFFFF,FFF:FFFFFFFF,FFFFFFF:::FFF

@A00721:190:HGJW7DSXY:4:1337:31919:34632_1:N:0:TCTGCAAG+GCTGCACT
TCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCAT
CTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCT
TAC

+

FFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1535:25889:9846_1:N:0:TCTGCAAG+GCTGCACT
TACCGGAGGTGATCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACTTTA
TGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTAGTAGGTGATCTTGACGTC
GAT

+

:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1616:7979:22639_1:N:0:TCTGCAAG+GCTGCACT
TGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGG
CTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTCGAGGTTAGCTACGAGAGGTGATCCCGGATGT
GGA

+

FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F:,FFFF
F:FF,FF,FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2420:14633:1720_1:N:0:TCTGCAAG+GCTGCACT
GAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAG
ATCTTCTTGATAATCTTAAAGAAAAATTTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCT
GTA

+

FFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1528:10068:20118_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGAC
CTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAG
TTA

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1578:30138:26537_2:N:0:TCTGCAAG+GCTGCACT
AGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAG
AGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2519:2076:12633_1:N:0:TCTGCAAG+GCTGCACT
TACTAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTCATGAGGATGTC
TTGGTCGAAAAATATCGCCGGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGA
TCT

+
FFFFFFFFFFFFFFFF:FFF:FFF,FFFFFFFFFFFFFFFF:FF,FFFFFFFF,FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2633:11912:9533_1:N:0:TCTGCAAG+GCTGCACT
CGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCT
CTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGT
GTT
+
FF:FF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1357:18837:16423_1:N:0:TCTGCAAG+GCTGCACT
CCGATCTAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGG
ACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTT
AAG
+
FF:FFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1226:25744:26631_1:N:0:TCTGCAAG+GCTGCACT
CAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCA
TTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGAACTC
TCA
+
FFFFFFFFF:F:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2503:9127:5807_1:N:0:TCTGCAAG+GCTGCACT
GAGGTTGCAGATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGA
CAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAG
AGG
+
FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2228:2727:24752_1:N:0:TCTGCAAG+GCTGCACT
TAATACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGGTTTAGCTGTATCATCAGTCAG
AGTATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGT
TTT
+
FFFF:FFFFF:FFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF
FFFF,FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1574:17978:3975_2:N:0:TCTGCAAG+GCTGCACT
CTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTG
TGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAA
+
:FF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1553:4390:9095_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATT
TTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGAT
+

@A00721:190:HGJW7DSXY:4:2265:16839:15280_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGATGCTCAGGGTGAAGCACAACTTTGA
CCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCCTCGTAAGGAC
ACT

+

```
:FFFFFFF,F,FFFFFF:FFFF:F:FF,:FFFF:F,FFFFFF,:FF,,F:FFFFFF::FFFFFFFFFFFF
:FFFF:,FFF:F,F,FFFFFF:FFFFFF,F,FFFF,,F,:FFFF,F,FFFFFF:FFFFFF,F,:F,FFFFF
F,F
```

@A00721:190:HGJW7DSXY:4:2526:32877:18411_2:N:0:TCTGCAAG+GCTGCACT
AGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTA
TTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATG

+

[illegible]

@A00721:190:HGJW7DSXY:4:2552:7274:33912_2:N:0:TCTGCAAG+GCTGCACT
CTACAATCATTGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGAT
GGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGG

+

[illegible]

@A00721:190:HGJW7DSXY:4:1510:2862:8140_2:N:0:TCTGCAAG+GCTGCACT
GAAAGGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATT
TCATGAAAACTACAGAGGAACGTTCCGGATTACCTGTCTTTCATATTA

+

```

FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFF:FFFFFFF,FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF

```

@A00721:190:HGJW7DSXY:4:2348:19407:2534_2:N:0:TCTGCAAG+GCTGCACT
CCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTAC
TATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGAGGTCGTGAC

+

```

FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFF
FFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:2460:2175:11678_2:N:0:TCTGCAAG+GCTGCACT
ACGGCGCACTTCTTTACCCGCCACCACACAACTTTTCAGTTTCACAACTGAAGGAGGAGGTTTCTGTTA
CTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTTGAACTCA

 $+$ [illegible]

@A00721:190:HGJW7DSXY:4:2435:7798:7420_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTATTACTCTTGCTGAAACAGCTATTAAGCTGTTGAGCGGGTAATTACACCTAAACGAGC
TCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCG
TCG

+

[illegible]

@A00721:190:HGJW7DSXY:4:1144:29731:37043_1:N:0:TCTGCAAG+GCTGCACT
ATTAATAATTTCAATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATG
GGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1240:20211:33959_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT
CTG

+

FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1335:25183:11099_2:N:0:TCTGCAAG+GCTGCACT
TTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATA
AGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAA

+

FF
FFFFFFFFFFFFFFFFF:,F,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2556:5484:30373_2:N:0:TCTGCAAG+GCTGCACT
ATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCG
TGGGCTTTCGTAAGGAAGATCTGTTATCGACGGTTTATCGTTTACG

+

FF
FF:FFFFFF,F,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2502:24912:35086_1:N:0:TCTGCAAG+GCTGCACT
AAAATTTTATCCTCGTTTAACTTACTTAGACTTTCTACGATACAAATGATAACTTCTAATTTACGTT
TGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGCATT
GAT

+

F:FFFFFFFFFFFF:FFFF:FFFFFFFF,FFFF:FFFFFF:FFFFFFFF,FF,FFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,F,FFFFFF:FF,FFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2215:29984:29152_1:N:0:TCTGCAAG+GCTGCACT
GACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGAC
CCGATTATATGGTATTAATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTAT
TTT

+

FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1157:12337:6793_1:N:0:TCTGCAAG+GCTGCACT
CTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGT
GAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTT
CAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1419:32850:20870_2:N:0:TCTGCAAG+GCTGCACT
CAACATTTACCACCAAATCTTTTGATACAACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGC
TTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCGATGTCAGAAGA

+

FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,F,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1405:30707:36417_1:N:0:TCTGCAAG+GCTGCACT
CTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTG
GGGAGACGTGCTTAAATGGGTGATAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAG
TTT

[illegible]

@A00721:190:HGJW7DSXY:4:2659:9326:22623_2:N:0:TCTGCAAG+GCTGCACT
ATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTA
AATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAAA

+

FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2171:17562:30655_1:N:0:TCTGCAAG+GCTGCACT
TAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC
ACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTGCCTT
CCC

+

FF:FFFFFF,FF,FF
FFFFF:FFFFFFFFF:,FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1101:14959:14497_1:N:0:TCTGCAAG+GCTGCACT
CCGCCGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCGCTGTGCAGAATAACCTTCCC
AAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGACGACCACTCAAAGGAAACGGGCTGT
TGC

+

FFFFFFF,FFFFF:F,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1552:9498:1689_2:N:0:TCTGCAAG+GCTGCACT
GGGAACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTA
TACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTG

+

FFFFFFFFF:FF
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2127:2763:27477_1:N:0:TCTGCAAG+GCTGCACT
AATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAAATGTCCCCAAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTA
CCC

+

FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF:FFFFFFF:FFFFFFFFF,FFFFFFFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2126:27227:16611_2:N:0:TCTGCAAG+GCTGCACT
CGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGT
TGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTT

+

FF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2667:4788:22373_2:N:0:TCTGCAAG+GCTGCACT
GAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTG
GGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTG

+

FF
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1646:7148:36417_2:N:0:TCTGCAAG+GCTGCACT
CTTAATATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGA
TAATAAGCATGTCAACCTTAAGCACCGAGGTAAGCTCGGACTTACAA

+

FF
FFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
FFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2142:9914:29246_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGG
GTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATA

+

FFFFFFFFFFFFFF:FFFFFFFF:FFF::FFFFFFFF:FF,FFFF,:F:FFF:FFF:FFFFFFFF:F
FFFFFFFFFFFFFF:FF,FFFF,FFFFFFFFFFFFFF::FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2556:17020:31187_2:N:0:TCTGCAAG+GCTGCACT
AAATTAAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGG
AAACTTCGTCAGAAGATGAGGAAGTTCTCCGAAATTAAGACGGGGG

+

FF
FFF:FFFFFFFFFFFFFFFF:FFFF:FFF:FFF,:FFF:FFF,FF,F

@A00721:190:HGJW7DSXY:4:1633:9344:15796_2:N:0:TCTGCAAG+GCTGCACT
ATTATTTGAAGCAGGGGTACCACCTTCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGAT
AATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCT

+

FFF:FF
FFFFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2513:28655:5932_1:N:0:TCTGCAAG+GCTGCACT
GGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAACTACTCCGATCAG
ATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGAT
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2401:25690:13041_2:N:0:TCTGCAAG+GCTGCACT
GGGCGGTTGAGGGAGCCGTTTTGGCCGACTTTAACTATTCTAAGAGTCTTTATGATTCAAAACCTATC
GTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTC

+

FFFFF,FFFFFFFFFFFFFF:FFFFFF:FFFF:FFFFFFFFFFFF:FFFFFF:FF,:FFF,FFFF
FFFF:FF:FF:FF:FF:FFF,:FFFFFFFFFFFFFFFF:FFFF,FF

@A00721:190:HGJW7DSXY:4:2317:29360:6245_2:N:0:TCTGCAAG+GCTGCACT
CAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCT
ACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGT

+

FFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F
FF

@A00721:190:HGJW7DSXY:4:2525:15691:14231_2:N:0:TCTGCAAG+GCTGCACT
TGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCG
GCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTG

+

FF
FFFFF:FF:FFFF

@A00721:190:HGJW7DSXY:4:1503:22046:29997_1:N:0:TCTGCAAG+GCTGCACT
TCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCAT
CTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTGCGAGCGATCT
TAC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2422:21115:24909_1:N:0:TCTGCAAG+GCTGCACT
TACCGGAGGTGATCTCTGCTTCTGCGTTACTGAGAGAAAAGATTACAGACGCCTACGGTGACTTTA

TGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGGTTTAGTAGGTGATCTTGACGTC
GAT

+

:FF
FFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2154:26341:10974_1:N:0:TCTGCAAG+GCTGCACT
TGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGCGG
CTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTCGAGGTTACAGCTACGAGAGGTGATCCCGGATGT
GGA

+

FF
F:FF:FF
FF:

@A00721:190:HGJW7DSXY:4:2438:6849:32831_1:N:0:TCTGCAAG+GCTGCACT
GAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAG
ATCTTCTTGATAATCTTAAAGAAAAATTTTCAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCT
GTA

+

FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1614:25066:25739_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGAC
CTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAG
TTA

+

FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1623:32099:16626_2:N:0:TCTGCAAG+GCTGCACT
AGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAG
AGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAA

+

FF
FF:F

@A00721:190:HGJW7DSXY:4:2420:10086:11068_2:N:0:TCTGCAAG+GCTGCACT
TAAGTCTGAGATCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTG
GTCGAAAAATATCGCCGGAACTTCTAATAGAGGATCCTGATGACATT

+

FF:FF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,F,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1345:19605:14904_1:N:0:TCTGCAAG+GCTGCACT
AGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTACTGTCTCCACTGATTCGGAATTAGAGAAAGAC
GACCTTCTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAA
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1230:25925:4993_1:N:0:TCTGCAAG+GCTGCACT
AGACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAG
AGAAAACGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACC
ACT

[illegible]

@A00721:190:HGJW7DSXY:4:2551:30092:2315_2:N:0:TCTGCAAG+GCTGCACT
AGCAGGGGTTTTTCGAATAGTGATAGCCACCCGCCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTA
TTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATG

@A00721:190:HGJW7DSXY:4:1335:25843:15060_2:N:0:TCTGCAAG+GCTGCACT
TTAATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATA
AGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAA

+

FFFFFFFF:FF,FFFFFFFF:FFFF:F
FF:

@A00721:190:HGJW7DSXY:4:2643:13494:12211_2:N:0:TCTGCAAG+GCTGCACT
ATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCG
TGGGCTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACG

+

FFF:FF,FFFFFFFFFFFFFFFF,FFFFFFFF:F:FFFFFFFF:FFFFFFFF::FFFF:FFFFFF
FF:FF:F:FF,FFFFFF:F

@A00721:190:HGJW7DSXY:4:1118:24469:15812_2:N:0:TCTGCAAG+GCTGCACT
TTTAACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTG
GTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCG

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFF:FF

@A00721:190:HGJW7DSXY:4:1118:24469:15812_1:N:0:TCTGCAAG+GCTGCACT
TAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTCG
AGCCTCGACCCGATTATATGGTATTAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATA
GAA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2216:32479:32064_1:N:0:TCTGCAAG+GCTGCACT
CTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGT
GAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGCGGCGGCGACTAATCTTAAAGCTT
CAC

+

FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1519:1108:15624_2:N:0:TCTGCAAG+GCTGCACT
CAACATTTACCACCAAATCTTTTGATACAACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGC
TTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGA

+

FFFFFF,FFFFFF,FFFF:FF,FFF
FFFF:F:FFF,FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1430:8901:4257_1:N:0:TCTGCAAG+GCTGCACT
CTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTG
GGGAGACGTGCTTAAATGGGTGATAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAG
TTT

+

FFFFFFFF:F:FFFFFFFF:FFFFFFFF,FFFFFFFF:FFFFFFFF,FFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF:FF
FF:

@A00721:190:HGJW7DSXY:4:1378:12436:14857_1:N:0:TCTGCAAG+GCTGCACT
TATACATTATAAAATATAAAATAAGGGAGTCATAACTTTGTTACCAAATCTTGCTTTCAACGAA
GTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCG
TTT

+

FFFF,FF:FFFFFFFF:F:FFFF,:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:

@A00721:190:HGJW7DSXY:4:1136:31629:35258_1:N:0:TCTGCAAG+GCTGCACT
AATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCTTTTCTAGAGAGGGGAGCTCTGAAAAGGA
AACTTCGTGAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCA
CCT

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1638:22146:27007_2:N:0:TCTGCAAG+GCTGCACT
ATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGAT
AATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCT

+

FF:FFFFFFFFFFFFFFF
FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2513:28782:4930_1:N:0:TCTGCAAG+GCTGCACT
GGTAACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAG
ATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGAT
ACT

+

FFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1351:18575:4163_1:N:0:TCTGCAAG+GCTGCACT
TAAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGGTTGAGGAGACTTTACAGCGGC
TTATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTC
GC

+

FFFFFFF,FF
FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2418:30300:27915_2:N:0:TCTGCAAG+GCTGCACT
CAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCT
ACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGT

+

FFFFFFF:FFFFFF:FFFFFFF:F:FFFFFFFFFFFFFF:F,FFFFFFFF,:F,FFFF:FF:FFFFFF
FFFFFFFFFFFF,FFFFFFFFF::FFF:F::FFF:FFFFFF:FFF:FF

@A00721:190:HGJW7DSXY:4:2540:5222:23938_2:N:0:TCTGCAAG+GCTGCACT
TGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCG
GCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTG

+

FFF:FF::FFFFFFFFF:FFFFFFF
FFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F

@A00721:190:HGJW7DSXY:4:2230:17644:33833_1:N:0:TCTGCAAG+GCTGCACT
TCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCAT
CTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCT
TAC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F::F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1317:15637:19648_2:N:0:TCTGCAAG+GCTGCACT
ACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACTTTAT
GGACAAGATGCAAGTTCTTGGGAAATACTGTTTTCCCTTTTATAGTTT

+

```

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

+

@A00721:190:HGJW7DSXY:4:2516:28266:31563_1:N:0:TCTGCAAG+GCTGCACT
GAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTT
ATCTTCTTGATAATCTTAAAGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCT
GTA

[illegible]

+

@A00721:190:HGJW7DSXY:4:1640:17192:3897_2:N:0:TCTGCAAG+GCTGCACT
AGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAG
AGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAA

[illegible]

+

@A00721:190:HGJW7DSXY:4:2253:32642:27899_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAA
TTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCT

```
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFF
FFFFFFFF:FFFFFF,FFF::FFF:FFFFFF:E,:FFFFFFFFFFFFFFFF:FFF
```

+

@A00721:190:HGJW7DSXY:4:2573:32181:2832_2:N:0:TCTGCAAG+GCTGCACT
CTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGAT
GGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGG

+

FFFFFF,FF,FF
FF:FFFF:F

@A00721:190:HGJW7DSXY:4:1510:2862:8140_1:N:0:TCTGCAAG+GCTGCACT
GGCTTCAATTGTAGTGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCAT
GAAACTACAGAGGAACGTTCCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCT
TTG

+

FF:FFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2370:17454:20322_2:N:0:TCTGCAAG+GCTGCACT
CCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTAC
TATAGTGTTATTTATTCTGGTGGTGATGATAATCTTGGGGTCGTGAC

+

FFFFFFFFFFFFFFFF:FFFFFFFF:FFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFF,FFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2174:7545:3599_2:N:0:TCTGCAAG+GCTGCACT
TTCACAACTGAAGGAGGAGTTTCTGTTACTGGAAAACCTCGTCAATACTTTCAATAATATACGTC
TTGAACTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGG

+

F:FFFFFF,:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF,FFFFFFFFFFFF:F:
:FFFF:FFF,,FF:FFFF:FF,FFFF:FFF::FFF,:FFF:F

@A00721:190:HGJW7DSXY:4:2626:2889:8406_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGC
TCGATCTGCCATCGCTGAAGGATGTGCACTCTTTCTGCTACTTTAACGGAGCGTAGTGACTCTTCG
TCG

+

FFFFFFFFF:F,FFFF:FFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FF:FFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1569:18674:8907_1:N:0:TCTGCAAG+GCTGCACT
ATTAATATTTTATATCTTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATG
GGGTTGGATAGCCAATATTGAAGTGAAACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAG
GAG

+

FF:,FFF,FFF,,,F,FF,FF:FFFF,,FFFF,FFF:FF,FF:,FF,F,,FFF:FFF::FF:F,FFF
,F,FF:FFF:F:F,FFFF,:FFFF,F,,F,F,FF:FF,F:F,:FF:FFF::FF:,F,FFFF,F,,FF
:,:

@A00721:190:HGJW7DSXY:4:1344:11261:8594_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTCGCTTCCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGGAACGAAGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT
CTG

+

F,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1147:15908:13667_1:N:0:TCTGCAAG+GCTGCACT
AATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAG
GAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCTAAGTGGTAATACTGTCT
TTC


```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1174:28384:30765_1:N:0:TCTGCAAG+GCTGCACT
TGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTA
TCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAGAATACTATAAATAGAATAGCTATTACTAC
TAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1174:25554:15499_2:N:0:TCTGCAAG+GCTGCACT
TTTAACTTACTTAGACTTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTG
GTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTCAGGAGTCCCGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFF:FFFFFFFFFF:FF
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1174:25554:15499_1:N:0:TCTGCAAG+GCTGCACT
TAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTCG
AGCCTCGACCCGATTATATGGTATTAACTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATA
GAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FF::FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2261:28266:19820_1:N:0:TCTGCAAG+GCTGCACT
CTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGT
GAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTT
CAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1549:17752:25128_2:N:0:TCTGCAAG+GCTGCACT
CAACATTTACCACCAAATTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGC
TTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGA
+
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFF
FFFF:FFFFFFF,F:FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2314:3468:6621_1:N:0:TCTGCAAG+GCTGCACT
CTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTGAATTTAGCTCAACTG
GGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTGAG
TTT
+
FFFFFFF::FFF:FFFF:FFFFF,F:FFF,FFFFFFF,FFF:,FFF,,FFFFFFFFFFFF:,FFFFFFF
:,F:FF,:F:,FFFFFFFFFFF:FF::FFFFFFFFFFF,F,FFFFFFFFFFFFFFFFF:,FFFF,F:FFF
FFF
@A00721:190:HGJW7DSXY:4:1420:22941:24815_1:N:0:TCTGCAAG+GCTGCACT
TATACATTATAAAATATAAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCCTTGCTTTCAACGAA
GTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCG
TTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFF::FFFFFFFFFFFFFFFF,FFFFFFF,FFFFFFFFFF:FFF
```

FFFF,FF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2206:13295:1720_2:N:0:TCTGCAAG+GCTGCACT
TGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACT
ATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTAC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1633:16604:11647_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAG
TTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTC

+

FFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFF,FFFFFFF::FFF
FF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2609:14425:19335_1:N:0:TCTGCAAG+GCTGCACT
ACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACTATTATCCGATTCT
TCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTTCAATTCCTTCGATGTTTATAT
TTT

+

FFFFFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2121:15275:1485_1:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAAGCGTATACTTGAATACTT
TAT

+

FFFFFFFFFFFFFFFFF:FF:FFFFFFF
FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1256:5113:15076_2:N:0:TCTGCAAG+GCTGCACT
TACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAA
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGA

+

FFFFFFFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2556:16043:2942_1:N:0:TCTGCAAG+GCTGCACT
GGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTA
CAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAAG
GTA

+

FFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1416:22580:1517_1:N:0:TCTGCAAG+GCTGCACT
ATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTA
AATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGG
AGT

+

FFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1572:29713:19132_1:N:0:TCTGCAAG+GCTGCACT
TAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGT

GACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTCCCGGAAG
AAA

+

FFFF:F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1263:24343:32409_1:N:0:TCTGCAAG+GCTGCACT
CCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCGCTGTGCAGAATAACCTTCCC
AAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGACGACCACTCAAAGGAAACGGGCTGT
TGC

+

FFF
FF,FFFF:FFFFFFFF:FF:
FFF

@A00721:190:HGJW7DSXY:4:2147:13666:17049_2:N:0:TCTGCAAG+GCTGCACT
GGGAACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTA
TACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTG

+

FFFFFFFFF:FFFFFFFFFFFFFFF,FF:
FFFFFFFFF:FF:FF:FFFF,FFF

@A00721:190:HGJW7DSXY:4:2257:17626:26976_1:N:0:TCTGCAAG+GCTGCACT
AATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAATGTCCCAAAACTGAGAAGAATAAAGGGAAAGTCCATCAGGACCTAAGAAGGGGAAATTA
CCC

+

FF
FFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2247:30174:10410_2:N:0:TCTGCAAG+GCTGCACT
CGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTGCTTAAGGGTAGCTGTAAAGT
TGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTT

+

FFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1659:28022:7185_1:N:0:TCTGCAAG+GCTGCACT
TCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACACACTGAGAGCAGTCGCTGGGGA
AAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGT
CAA

+

FFFFFFFFFFFFFFF:FF:F,FFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFF:FFF,FFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:2423:10041:25551_2:N:0:TCTGCAAG+GCTGCACT
CTTGACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGA
TAATAAGCATGTCAACCTTAAGCACCGAGGTAAGCTCGGGACTTACAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:2537:17481:7529_2:N:0:TCTGCAAG+GCTGCACT
TTTCTTGAAAATTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGG
GTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,,FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF
FFFFF:FFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2374:25229:16720_1:N:0:TCTGCAAG+GCTGCACT
TGAGAAGATTGAAGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGG
CTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTCGAGGTTACAGCTACGAGAGGTGATCCCGGATGT
GGA

+

FF::,FFFF
F::F:F:FFFFF:F:FF
FFF

@A00721:190:HGJW7DSXY:4:2548:1551:2613_1:N:0:TCTGCAAG+GCTGCACT
GAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAG
ATCTTCTTGATAATCTTAAAGAAAAATTTTCAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCT
GTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1301:16758:31767_1:N:0:TCTGCAAG+GCTGCACT
CTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGA
ATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAG
ATC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1658:13602:19445_2:N:0:TCTGCAAG+GCTGCACT
AGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAG
AGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAA

+

FF,FFFFFFFFFFFFFFF::F:FFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:F,F:FF::,FFFFF
FFFF:FF:FFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FF

@A00721:190:HGJW7DSXY:4:1139:23430:24001_2:N:0:TCTGCAAG+GCTGCACT
TCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATA
TCGCCGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGA

+

FFFFFFFFFFFFFFF::F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:FFFF,FFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F

@A00721:190:HGJW7DSXY:4:1344:27859:13260_2:N:0:TCTGCAAG+GCTGCACT
GTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTC
TGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAA

+

FFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF,FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2207:1118:25817_1:N:0:TCTGCAAG+GCTGCACT
AGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAG
AGAAAACGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACC
ACT

+

FFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1503:8314:11162_1:N:0:TCTGCAAG+GCTGCACT
CCGATCTAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGG
ACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTT
AAG

+
F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FF
FFFF:FF:FFFFFFFFFF:FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1516:5737:17816_1:N:0:TCTGCAAG+GCTGCACT
CAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGCAAATACTTCAACATCAACGACATCA
TTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGAACTC
TCA
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2349:12689:25254_2:N:0:TCTGCAAG+GCTGCACT
GATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCA
AGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGA
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:1128:25021:34084_2:N:0:TCTGCAAG+GCTGCACT
TACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTCTCATCAGTCAGAGT
ATACCGGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAG
+
FFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFF,FFFFFFF,FFFFFFF,FFFFFF
FF,FF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2142:17164:6918_1:N:0:TCTGCAAG+GCTGCACT
CTTTGGTAATTGTATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTG
TGTTGTGCTGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATG
ATT
+
FFFFFFF,FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2123:30517:27759_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTAAGAAATT
TTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGAT
+
FFF
FFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2336:31910:7435_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGA
CCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2641:18005:16329_2:N:0:TCTGCAAG+GCTGCACT
AGCAGGGGTTTTCGAATAGTAGCCACCCGCTTACAGAGGGGAGCAGCATGACCATAATTGGTA
TTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCTCTTCAATG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF:FFFF
@A00721:190:HGJW7DSXY:4:2644:10646:7404_2:N:0:TCTGCAAG+GCTGCACT
CTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGAT

GGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGG

@A00721:190:HGJW7DSXY:4:1175:29586:22357_1:N:0:TCTGCAAG+GCTGCACT
TGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTA
TCGTTTACGAAGTATCACTCCACCGGTGAATGTTTAAAGAATACTATAAATAGAATAGCTATTACTAC
TAA

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1254:16360:23156_2:N:0:TCTGCAAG+GCTGCACT
TTTAACCTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTG
GTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGG

+

FFF:FFFFFFFFFFFF:FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1221:3396:11663_1:N:0:TCTGCAAG+GCTGCACT
TAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTCTG
AGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATA
GAA

+

FF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2424:24442:32236_1:N:0:TCTGCAAG+GCTGCACT
CTAATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGT
GAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTT
CAC

+

FFFFFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1621:18846:11772_2:N:0:TCTGCAAG+GCTGCACT
CAACATTTACCACCAAATCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGC
TTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2665:9742:6652_1:N:0:TCTGCAAG+GCTGCACT
CTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTG
GGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGACAATTCAG
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1458:29161:3646_1:N:0:TCTGCAAG+GCTGCACT
TATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATCTTGCTTTCAACGAA
GTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCG
TTT

+

FF
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2249:24388:25316_2:N:0:TCTGCAAG+GCTGCACT
TGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACT

ATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTAC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFF:FFF:,FF,F:FF:
@A00721:190:HGJW7DSXY:4:2103:11134:2832_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAG
TTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2623:28592:1125_1:N:0:TCTGCAAG+GCTGCACT
ACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACTATTATCCGATTCT
TCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAGTTCAATTCCTTCGATGTTTATAT
TTT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2121:16025:1376_1:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAAGCGTATACTTGAATACTT
TAT
+
:FF,F,FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FF
@A00721:190:HGJW7DSXY:4:1256:5141:13620_2:N:0:TCTGCAAG+GCTGCACT
TACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAA
CTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2145:25012:35415_1:N:0:TCTGCAAG+GCTGCACT
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAATGG
TAT
+
FFFFFFFFFFFFFFFFFFFF,F:FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
F,FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1436:29152:9111_1:N:0:TCTGCAAG+GCTGCACT
ATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTA
AATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAAACTCCATTGTATAGTTCAAGG
AGT
+
FFFFFFFFFFFFFFFFFFFF: :FF
FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2452:9625:7232_1:N:0:TCTGCAAG+GCTGCACT
TAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAATGT
GACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTCCCGGAAG
AAA
+
FFF:FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FF

FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2136:27425:21214_1:N:0:TCTGCAAG+GCTGCACT
CCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCGCTGTGCAGAATAACCTTCCC
AAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGACGACCACTCAAAGGAAACGGGCTGT
TGC

+

FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
::FFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2161:24252:20196_2:N:0:TCTGCAAG+GCTGCACT
GGGAACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTA
TACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTG

+

FFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2257:17644:28447_1:N:0:TCTGCAAG+GCTGCACT
AATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAAATGTCCCCAAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTA
CCC

+

FFFFFFFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF,F:F:FFFF:FFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2410:21124:28870_2:N:0:TCTGCAAG+GCTGCACT
CGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGT
TGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTT

+

FF:FFF,FFFFFFFFFFFFFF:FFFFFF,FF
:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1662:13386:8923_1:N:0:TCTGCAAG+GCTGCACT
TCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGA
AAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTGT
CAA

+

FF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2445:32054:2738_2:N:0:TCTGCAAG+GCTGCACT
CTTAATAATGAGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGA
TAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAA

+

FFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:
F,:::FFFF:F:FFFFFFFFFF:FF::F,FFF:FFFFFFFFFFFF::F

@A00721:190:HGJW7DSXY:4:1129:7880:26130_1:N:0:TCTGCAAG+GCTGCACT
AAAATTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCT
TCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGA
GGA

+

FFFFFFFFFFFF,:FF
FF:FFFF:FFFFFFF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2306:21133:5588_1:N:0:TCTGCAAG+GCTGCACT
AATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGA

AACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCA
CCT

+

FFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2144:10963:21167_2:N:0:TCTGCAAG+GCTGCACT
ATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGAT
AATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCT

+

FF
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1146:2835:5776_2:N:0:TCTGCAAG+GCTGCACT
ACTTACCATATTGTTCTTCCGGGACGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCC
GGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTC

+

FFFFFFFFFFF:FFFFFF:FFFFFF:FF,FF
FFFFFFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FF:F

@A00721:190:HGJW7DSXY:4:1304:18629:19194_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT

+

FF
:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFF

@A00721:190:HGJW7DSXY:4:2505:23104:17707_2:N:0:TCTGCAAG+GCTGCACT
CAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCT
ACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGA

+

FFF:F:FFFFFF::FFF,FFFFFFFFFFFFFF:FF,FFFFF,FF:F,F:,FF:FFFFFF:,FFFF:FFFF
FF:,FF:FFFF:,FF,:FFFF,F::F,:FFF,F:FFFFFF,:FFF,

@A00721:190:HGJW7DSXY:4:2631:8359:34538_2:N:0:TCTGCAAG+GCTGCACT
TGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCG
GCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTG

+

FF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFFFFF:FFFFFFFFFFFFFFFFFFFF:FFF:FFFFFF:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2516:24822:6684_1:N:0:TCTGCAAG+GCTGCACT
TCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCAT
CTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCT
TAC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2410:23538:6277_2:N:0:TCTGCAAG+GCTGCACT
ACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTACAGGACGCCTACGGTGACTTTAT
GGACAAGATGCAAGTCTTGGGAAATACTTGTTTCCCTTTTAGGTTT

+

FF
FFFF,FFFFFF:FFFFFF:FFFFFFFFFFFF:F:FFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1173:26539:6026_1:N:0:TCTGCAAG+GCTGCACT
CTTGACAGAGTGAAGTTCAGACGTGTGCTCTTCCGATCTCTTGAAAACCAAGTTAAGAAGGAGGC
TGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTG
GAT

[illegible]

+

@A00721:190:HGJW7DSXY:4:2431:6234:3897_2:N:0:TCTGCAAG+GCTGCACT
GATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCA
AGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGA

+

@A00721:190:HGJW7DSXY:4:1128:25192:35321_2:N:0:TCTGCAAG+GCTGCACT
TACCTTTATAGGTAAGAAGCCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGT
ATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAG

+

@A00721:190:HGJW7DSXY:4:1636:31250:31469_2:N:0:TCTGCAAG+GCTGCACT
TATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTGGTTGTCGCTG
GGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATAGATCGG

+

@A00721:190:HGJW7DSXY:4:2123:6759:34835_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATT
TTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGAT

+

@A00721:190:HGJW7DSXY:4:2343:14922:27868_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGA
CCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT

+

@A00721:190:HGJW7DSXY:4:2653:26702:35681_2:N:0:TCTGCAAG+GCTGCACT
AGCAGGGGTTTTCTGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTA
TTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTTCGAATG

+

@A00721:190:HGJW7DSXY:4:1447:1307:27430_1:N:0:TCTGCAAG+GCTGCACT
CTACAATCATTGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGAT
GGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAC
ATT

$$+$$

```
FF,:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFF:FF:,FFFFFFFFFFFFFFFF:FFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
FFF
```


FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1359:32796:28635_2:N:0:TCTGCAAG+GCTGCACT
TTTAAGTACTTAGACTTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTG
GTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCG

+
FFFFFFFF:FF:FF:FFFFFFFF:FFFF:FFFF
FFFFFFFFFFFF:FFF:FFFF:FFFFF:F:FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1254:16360:23156_1:N:0:TCTGCAAG+GCTGCACT
TAATGACGAGACTTTTCGTACATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGC
AGCCTCGACCCGATTATATGGTATTAAGGTATAAAGGTGAGGAGACCATTTCTTGCTGAAATTTATA
GAA

+
FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2549:3441:17472_1:N:0:TCTGCAAG+GCTGCACT
CTAATGGCAAATAGTGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGT
GAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTT
CAC

+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFF:FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1665:24596:20917_2:N:0:TCTGCAAG+GCTGCACT
CAACATTTACCACCAAATCTTTTGATACAACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGC
TTGCTATTACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGA

+
FF:FF
FFFFFFFFFFFF:FFFFFFFFFFFF:FFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2327:17409:20682_1:N:0:TCTGCAAG+GCTGCACT
TTCAGAGGCTGTCAAACAAGCCCAGAATCAAGTATTCCAATCAAAGTTTTTAAATTTAGCTCAACTGG
GGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGT
TT

+
F,:F,F,:FF,:FFF,FF,:F,F:F,F,F,:,,,:F,:F,FFFF:,FFFF,FFFFFFFF:F,:F,F,:
FFFF,,F:,FFFFFFF,:F,:FFF:FFFF:FFFFF:F:F:F,F:FFFFFFFFFFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1629:4761:6511_1:N:0:TCTGCAAG+GCTGCACT
TATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATCTTGCTTTCAACGAA
GTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCAATTAATCTGTACTTGATCTACGTCG
TTT

+
F,F:FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2309:1741:34475_2:N:0:TCTGCAAG+GCTGCACT
TGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACT
ATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTAC

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2245:20573:21339_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACCCATCTCAACGAGGATAAAGCGAG

TTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTC

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2658:17626:26162_1:N:0:TCTGCAAG+GCTGCACT
ACAGACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACTATTATCCGATTCT
TCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAGTTCAATTCCTTCGATGTTTATAT
TTT

+

:FFFFFF:FFFF,F:FFFF:FFFF:FFFFFF:F:FF:FFFFFFFFFFFF,FFFFFFFF:F:F:FFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2129:19913:20509_1:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTCAAGCTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTT
TAT

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1363:16541:10441_2:N:0:TCTGCAAG+GCTGCACT
TACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTATACTTTAAATAGCACCGATTATAA
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGA

+

FFFFFFFF:F:F:FFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2145:8721:17597_1:N:0:TCTGCAAG+GCTGCACT
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAAGTTTACATTTTAAATGG
TAT

+

FFF::FFF:FFFFF:,F:FF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF,F::FFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1436:31557:6605_1:N:0:TCTGCAAG+GCTGCACT
ATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTA
AATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGG
AGT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1103:20256:7388_2:N:0:TCTGCAAG+GCTGCACT
AGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTG
ACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2371:1416:35571_1:N:0:TCTGCAAG+GCTGCACT
CCGCCGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCGCTGTGCAGAATAACCTTCCC
AAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGACGACCACTCAAAGGAAACGGGCTGT
TGC

+

FF

FF,:FF
FFF

@A00721:190:HGJW7DSXY:4:2359:3893:30874_2:N:0:TCTGCAAG+GCTGCACT
GGGAACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTA
TACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTG

+
FF
FF

@A00721:190:HGJW7DSXY:4:2415:17987:6245_1:N:0:TCTGCAAG+GCTGCACT
AATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTA
CCC

+
FFF,F,F,FF:F:FFF:,F::F,FFF:F,F::FFFFFF:F,F:::FFF,F:F,FF:,,:,FF,:
F,,:FFF,::,,:FFF:FFFF:FF:F,::F,F,:FF:F,FFFF,FF,F:FFF:,F,:FF:F,F,:
:FF

@A00721:190:HGJW7DSXY:4:2410:21386:28855_2:N:0:TCTGCAAG+GCTGCACT
CGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCTTAAGGGTAGCTGTAAAGT
TGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTT

+
FF,
FF

@A00721:190:HGJW7DSXY:4:2127:13729:23923_1:N:0:TCTGCAAG+GCTGCACT
TCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGA
AAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTGT
CAA

+
FF:FFFFFFFFFFFFFFFF
:FF
FFF

@A00721:190:HGJW7DSXY:4:2467:16369:26553_2:N:0:TCTGCAAG+GCTGCACT
CTTAAGCATGTACCCCTTAAGCACCGAGGTAAGCTCGGACTTACAA

+
FFFFFFF:FF
FF:

@A00721:190:HGJW7DSXY:4:1129:8052:26146_1:N:0:TCTGCAAG+GCTGCACT
AAAATTTTCTTTCTCCGTCAATTGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCT
TCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGA
GGA

+
FFFFFFF:FF:FFFFFFFF
FFFFFFFFF:FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2669:5330:35430_1:N:0:TCTGCAAG+GCTGCACT
AATTAAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGA
AACTTCGTGAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTACCA
CCT

+
FFFFFFF,FF:FFFFFFFF
FFFFFFFFF:FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2304:5068:7545_2:N:0:TCTGCAAG+GCTGCACT
ATTATTTGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGT

$+$

@A00721:190:HGJW7DSXY:4:1169:12933:10582_2:N:0:TCTGCAAG+GCTGCACT
ACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCC
GGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTC

+

@A00721:190:HGJW7DSXY:4:1351:18575:4163_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT

+

@A00721:190:HGJW7DSXY:4:2572:25093:15828_2:N:0:TCTGCAAG+GCTGCACT
CAACCCTATTCTAGATGTGAAAGATGCATCGAGGTATACGTCTAGGAAAATTGATTGGGAAAGAACCT
ACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTATCGT

+

@A00721:190:HGJW7DSXY:4:1369:16984:36793_1:N:0:TCTGCAAG+GCTGCACT
TGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCG
GCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGA
GAT

+

@A00721:190:HGJW7DSXY:4:2644:19470:31610_1:N:0:TCTGCAAG+GCTGCACT
TCGGTCAATGACAAAACCTTCGAATATGTTACGACATGGATTCTGAACAACAGTGCGAGGATTGTCAT
CTCGGGGAAATTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCT
TAC

+

@A00721:190:HGJW7DSXY:4:2113:10899:31579_1:N:0:TCTGCAAG+GCTGCACT
ACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACGGTGACTTTAT
GGACAAGATGCAAGTTCCTGGGAAATACTTGTTTCCCTTTTtaggtttAGTtaggtGATCTTGACGTCG
AT

+

@A00721:190:HGJW7DSXY:4:1311:17580:2409_1:N:0:TCTGCAAG+GCTGCACT
CTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTGAAAACCAAGTTAAGAAGGAGGC
TGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTAGCTACGAGAGGTGATCCCGGATGTG
GAT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1273:21224:9345_1:N:0:TCTGCAAG+GCTGCACT
GTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCT
TGATAATCTTAAAGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTA
CAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2451:30029:6026_1:N:0:TCTGCAAG+GCTGCACT
CTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGA
ATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAG
ATC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2269:29803:16595_2:N:0:TCTGCAAG+GCTGCACT
AGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAG
AGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1239:13711:31344_2:N:0:TCTGCAAG+GCTGCACT
TCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATA
TCGCCGGGACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2134:26630:32925_2:N:0:TCTGCAAG+GCTGCACT
GTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTC
TGAATTTTCAGGGTGCCCTGATGAGGACGGTGAAAGGGATAATTTCAA

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:2237:26847:29387_1:N:0:TCTGCAAG+GCTGCACT
AGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAG
AGAAAAGTATGATTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGCGATACC
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1663:10981:36448_1:N:0:TCTGCAAG+GCTGCACT
CCGATCTAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGG
ACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTT
AAG

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2314:4698:5494_1:N:0:TCTGCAAG+GCTGCACT
CAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCA
TTCTTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGGAATC
TCA

+
FF,FFF,F,FF:FF:FF:FFFFFFFFFFFFFFFFFFFF::FFFF::FFF:FFFFFF:::FFFFFFFF
:FFFFFFFFFFFFFFFFFFFF:FF:FF
FFF
@A00721:190:HGJW7DSXY:4:2636:18575:32722_2:N:0:TCTGCAAG+GCTGCACT
GATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCA
AGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGA
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF
:FFF
@A00721:190:HGJW7DSXY:4:1448:27597:33066_2:N:0:TCTGCAAG+GCTGCACT
TACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCTTTAGCTGTATCATCAGTCAGAGT
ATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAG
+
F,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFF
FFFFFFFFF::FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2132:5285:21449_2:N:0:TCTGCAAG+GCTGCACT
TATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGGAAAGTTTTCGGCTGTGGTTGTCGCTG
GGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATAGATCGG
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:2152:32570:9956_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGAAAAATT
TTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGAT
+
FFF
FFFFF:FFF
@A00721:190:HGJW7DSXY:4:2436:24126:2534_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGA
CCGTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT
+
F:FF,FFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2654:18059:35806_2:N:0:TCTGCAAG+GCTGCACT
AGCAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTA
TTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCAATG
+
FFF:FFFFFFFFFF:FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2331:32741:36182_1:N:0:TCTGCAAG+GCTGCACT
CTACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGAT
GGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAAC
ATT
+
FF:FFF,FFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFF:FFFFFFF
FFFFFFFF:FFF:F
FFF
@A00721:190:HGJW7DSXY:4:1224:5837:9251_2:N:0:TCTGCAAG+GCTGCACT
TGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGG
AACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACCTTCGGCCG
+

```

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
F,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF

```

+

@A00721:190:HGJW7DSXY:4:2566:14977:19257_1:N:0:TCTGCAAG+GCTGCACT
TGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTTGAACTC
ACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGT
TAT

[illegible]

+

@A00721:190:HGJW7DSXY:4:2336:6686:8656_2:N:0:TCTGCAAG+GCTGCACT
TTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAAT
ATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAG

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
```

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

@A00721:190:HGJW7DSXY:4:2659:10610:33144_1:N:0:TCTGCAAG+GCTGCACT
AATATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAG
GAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAACTCTAAGTGGTAATACTGTCT
TTC

```

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFFF:FFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

+

@A00721:190:HGJW7DSXY:4:2131:23927:3192_2:N:0:TCTGCAAG+GCTGCACT
TTTAACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTG
GTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCG

+

FF:FF
FFFFFFFFFFFF:FF:FFFF:FF

@A00721:190:HGJW7DSXY:4:1359:32796:28635_1:N:0:TCTGCAAG+GCTGCACT
TAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTCTG
AGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATA
GAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2610:11044:14794_1:N:0:TCTGCAAG+GCTGCACT
CTAATGGCAAATAGTGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGT
GAGAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTT
CAC

+

:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1665:24677:18208_2:N:0:TCTGCAAG+GCTGCACT
CAACATTTACCACCAAATTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGC
TTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1512:13060:22263_2:N:0:TCTGCAAG+GCTGCACT
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGG
AGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTTCTACT

+

FF
FFFFFFFFFFFFFFFF:FFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2109:3992:3333_1:N:0:TCTGCAAG+GCTGCACT
TATACATTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCTTGCTTTCAACGAA
GTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCG
TTT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FF
FFFFFFFFFFFFFFFF:F,FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2562:26250:4085_2:N:0:TCTGCAAG+GCTGCACT
TGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACT
ATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTAC

+

FF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2247:6289:29387_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAG
TTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2278:19750:36886_2:N:0:TCTGCAAG+GCTGCACT
GACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACATTATCCGATTCTTCG
AGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAC TTCAAT

+

:F::FFFFFFFF::FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF::F:FFFFFFFF::FFF,FF:F
F:F:F:FFFFFFFF:FFFFFFFF,F:FF,:F:FFF:FF:FFF,F:FFF:

@A00721:190:HGJW7DSXY:4:2159:13557:36714_1:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTACGCGTATACTTGAATACTT
TAT

+

FFFFFFFFFFFFFFFFFFFFFF,F,FFF::FFFFFFF:,F:FF,FFFFFFFF:FF:FF:FF,:FFFF:FF
FF::FFF:FFF:FFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFF,FFFF:F:FF,FFFFF,FFFFF
F,F

@A00721:190:HGJW7DSXY:4:2130:17083:4742_2:N:0:TCTGCAAG+GCTGCACT
TACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAA
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGA

+

FFFFFFFFF:FFFFFF,FFF:FFF:FFFFFF:FFF:,FF:FF,F:FFFFFFFF,FFF:FF:FFFF
FFFFFFFF::FFFFFFFFFFFFFFFF,,:,FFFFFFFFFFFF:FF:FFF

@A00721:190:HGJW7DSXY:4:2324:25183:9471_1:N:0:TCTGCAAG+GCTGCACT
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAATG
TAT

+

FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1523:18195:7232_1:N:0:TCTGCAAG+GCTGCACT
ATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTA
AATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAACCTCCATTGTATAGTTCAAGG
AGT

+

FF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1224:3794:13385_2:N:0:TCTGCAAG+GCTGCACT
AGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTG
ACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATG

+

FF,FFFF
FF

@A00721:190:HGJW7DSXY:4:2425:31864:10269_1:N:0:TCTGCAAG+GCTGCACT
CCGCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGACCGCTGTGCAGAATAACCTTCCC
AAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGACGACCACTCAAAGGAAACGGGCTGT
TGC

+

FF:FFFF
F,FF
FFF

@A00721:190:HGJW7DSXY:4:2530:32334:32534_2:N:0:TCTGCAAG+GCTGCACT
GGGAACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTA
TACAGTTCGGCATTTCAGAGTGGTCAATACGTCGTGGGAGGTACTG

+

FFFF:FF::F
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2556:14091:35070_1:N:0:TCTGCAAG+GCTGCACT
AATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGTCCATCAGGACCTAAGAAGGGGAAATTA
CCC
+
FF,FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2566:5629:36292_2:N:0:TCTGCAAG+GCTGCACT
CGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCTTAAGGGTAGCTGTAAAGT
TGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTT
+
FF:FFFFFFF:FFFFF:FFFF
FF
@A00721:190:HGJW7DSXY:4:2131:26539:36933_1:N:0:TCTGCAAG+GCTGCACT
TCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGA
AAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGT
CAA
+
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FF:FFFFFFF,FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2507:24560:2472_2:N:0:TCTGCAAG+GCTGCACT
CTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGA
TAATAAGCATGTCAACCTTAAGCACCGAGGTAAGCTCGGGACTTACAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF
FF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1234:29839:20165_1:N:0:TCTGCAAG+GCTGCACT
AAAATTTTTCCTTTCCTCCGTCAATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCT
TCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGA
GGA
+
FFFFFFF,FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF,FFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1306:20112:3662_2:N:0:TCTGCAAG+GCTGCACT
TAAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAAAC
TTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTC
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF,F,FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:2470:27425:8782_2:N:0:TCTGCAAG+GCTGCACT
ATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGAT
AATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCT
+
FF:FF:
,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1526:20401:34882_2:N:0:TCTGCAAG+GCTGCACT
ACTTACCATATTGTTCCCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCC
GGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTC
+

FF:FFFFFFFF:FFFFFFFFFFFF:FF,FFF:FFFFFF:FFFF,FFFF:FFFFFFFF,FFFFFFFF
:FF:F:FFFF:FFF:FFFFFFFFFFFF:FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1375:7157:22028_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT
+
FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:2572:25554:18693_2:N:0:TCTGCAAG+GCTGCACT
CAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCT
ACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGT
+
FFFFFFFFF:FFFF:F,FFF,FFFFFF:F,FFFFFF:FFF,FF,F,F:FF:FFFFFFFFFFFF:F
FFFFFFFFF::F:FFFFFFFFFFFFFFFFFFFF,:FF,FFFFFFFF,F:FFF
@A00721:190:HGJW7DSXY:4:1371:29514:24768_1:N:0:TCTGCAAG+GCTGCACT
TGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTTGTCCCG
GCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGA
GAT
+
FFFFF:FF
FFFFFFFF,FF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1130:12156:11992_2:N:0:TCTGCAAG+GCTGCACT
CGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATC
TCGGGGAAAGTGATTACCAAGATGTTTCATATAGATACGAGATACCTA
+
FFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFF:FFFF:F:
FFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFF,FFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1629:5629:2848_2:N:0:TCTGCAAG+GCTGCACT
TTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTAACGTTAGTAC
CGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGA
+
FFFFFFFFF:FFFFFFFFFFFFF:FFF:FFFFFF,FFFF,F,FFFFFFFFFFFFF:FF,FFFFF
:FFFFFFFFFFFFF::FFFFFFFF:F,FFFFFFFFF:FFF:FFFFF
@A00721:190:HGJW7DSXY:4:1328:11171:23782_1:N:0:TCTGCAAG+GCTGCACT
CTTGACAGAGTGAAGTTCAGACGTGTGCTCTTCCGATCTCTTGAAAACCAAGTTAAGAAGGAGGC
TGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGTGATCCCGGATGTG
GAT
+
FF:FFFF:FF
:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1363:25120:34820_1:N:0:TCTGCAAG+GCTGCACT
GTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCT
TGATAATCTTAAAGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTA
CAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2472:22336:34820_1:N:0:TCTGCAAG+GCTGCACT
CTAATGTTCTTGCAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGA
ATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAG
ATC

```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2269:30120:16078_2:N:0:TCTGCAAG+GCTGCACT
AGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAG
AGTCCAAGGACGTTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1269:15564:24345_2:N:0:TCTGCAAG+GCTGCACT
TCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATA
TCGCCGGGAAC TTCTAATAGAGGATCCTGATGACATTATTCAACGGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2178:22535:25363_2:N:0:TCTGCAAG+GCTGCACT
GTCTCAGGAAC TGTCTCCACTGATT CGGAATTAGAGAAAGACGACCTTCTGTGGG GACTGAGACCTC
TGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2508:2808:6668_1:N:0:TCTGCAAG+GCTGCACT
AGACCAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAG
AGAAAAC TGATATGGTTGCGGCTGATCGTACCCCAATTCTGCTAGAAAGATCACTCTCGGC GATACC
ACT
+
FFFFFFFFFF,,FFFFFFF:F,FFFF,F::FF,F:,FF:FF,F:FFFF::FFFFFFFFF:FFFFFF:F
FFFFFFFFFF:FFFFFFFFFF:FFFFFFFF:FFFFF::F:FFFFFFFFFFFFFFFF:FF:FFFFF::FFFFF
FFF
@A00721:190:HGJW7DSXY:4:2222:10474:25238_1:N:0:TCTGCAAG+GCTGCACT
CCGATCTAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGG
ACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTT
AAG
+
:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2314:5502:6449_1:N:0:TCTGCAAG+GCTGCACT
CAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTACTTCAACATCAACGACATCA
TTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGGAAC TC
TCA
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1133:24135:27571_1:N:0:TCTGCAAG+GCTGCACT
ATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAA
GAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCC
TGG
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```


@A00721:190:HGJW7DSXY:4:2617:17128:17284_1:N:0:TCTGCAAG+GCTGCACT
TGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTC
ACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGT
TAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1212:30861:17613_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCT
TGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2413:25843:21793_2:N:0:TCTGCAAG+GCTGCACT
TTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAAT
ATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAG

+

FFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1478:12102:25520_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCGCTTCCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT
CTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1203:15555:27085_2:N:0:TCTGCAAG+GCTGCACT
TATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGA
ACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1170:1561:36761_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGG
CTTTCCGTAAAGGAAGATCTGTTATCGACGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGG
TTT

+

FFFFF:FFFFFFFF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2153:27236:26334_2:N:0:TCTGCAAG+GCTGCACT
TTTAACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTG
GTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGG

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1559:21296:3803_1:N:0:TCTGCAAG+GCTGCACT
TAATGAAGATACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGCG
AGCCTAGACCCGATTATATGTTATTAAGTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATA
GAA

+

FFFFFF,FF,,FFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:,F,:FFF:FFF,:FFF,F:FF:F,,

FF
FFF

@A00721:190:HGJW7DSXY:4:2407:26738:19742_2:N:0:TCTGCAAG+GCTGCACT
TACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAA
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGA

+

FFFFFFFFFFFF:FF
FF:FFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2412:3079:23797_1:N:0:TCTGCAAG+GCTGCACT
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAATGG
TAT

+

FFF:FF:FFFFFFFF,::,,FF::FFFFFFFF:FFFFFFFF,FF,F:FFFF:FFFFFFFF,FFFF
F:,FFFFFFFFFFFF:FFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1539:30002:30561_1:N:0:TCTGCAAG+GCTGCACT
ATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTA
AATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGG
AGT

+

FFFFFFFFFFFF:F:F:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,,F:FFFFFFFF:FFF
::FFFFFFFF,FFFFFFFFFFFFFFFFFFFF,FF,FFFFFF,FFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFF
F:F

@A00721:190:HGJW7DSXY:4:1225:6415:33301_2:N:0:TCTGCAAG+GCTGCACT
AGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTG
ACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATG

+

FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2553:31783:24596_1:N:0:TCTGCAAG+GCTGCACT
CCGCCGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTTCCC
AAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGACGACCACTCAAAGGAAACGGGCTGT
TGC

+

FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2542:28248:32753_2:N:0:TCTGCAAG+GCTGCACT
GGGAACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTA
TACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTG

+

FFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2621:20961:7795_1:N:0:TCTGCAAG+GCTGCACT
AATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAAATGTCCCAAAACTGAGAAGAATAAAGGGAAAGGTCATCAGGACCTAAGAAGGGGAAATTA
CCC

+

FFF:F:FFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF::F:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2659:9543:10066_2:N:0:TCTGCAAG+GCTGCACT
CGGGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGT

+

@A00721:190:HGJW7DSXY:4:2253:31647:20572_1:N:0:TCTGCAAG+GCTGCACT
TCGTCCTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGA
AAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGT
CAA

+

@A00721:190:HGJW7DSXY:4:2550:13557:10066_2:N:0:TCTGCAAG+GCTGCACT
CTTA ACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGA
TAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAA

+

@A00721:190:HGJW7DSXY:4:1320:25843:27899_1:N:0:TCTGCAAG+GCTGCACT
AAAATTTTTCCTGTCCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCT
TCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGA
GGA

+

@A00721:190:HGJW7DSXY:4:2122:11225:7341_2:N:0:TCTGCAAG+GCTGCACT
TAAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAAAC
TTCGTGAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTC

+

@A00721:190:HGJW7DSXY:4:1611:28357:8202_1:N:0:TCTGCAAG+GCTGCACT
ATTATTTGAAGCAGGGGTTACCACTTCATAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGAT
AATCTTGTGAGATTGGTTCATAGAGCCATCAAGAGAATCTTATATGCTGGTTTAAGTGATGATTATCA
CT

+

@A00721:190:HGJW7DSXY:4:2125:22119:34006_2:N:0:TCTGCAAG+GCTGCACT
ACTTACCATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCC
GGATGGTTTGAGTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTC

+

@A00721:190:HGJW7DSXY:4:1509:20085:30170_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT

+

@A00721:190:HGJW7DSXY:4:2677:29993:9471_2:N:0:TCTGCAAG+GCTGCACT
CAACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCT

ACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGT
+
FFFFFFFF:FF
FF,FFF,FF:FFFFFF
@A00721:190:HGJW7DSXY:4:1648:27697:25786_1:N:0:TCTGCAAG+GCTGCACT
TGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCG
GCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGA
GAT
+
FFFFFFFFFFFFFFFF:FF:FF
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1141:29695:21386_2:N:0:TCTGCAAG+GCTGCACT
CGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATC
TCGGGGAAGTGATTACCAAGATGTTTCATATAGATACGAGATACCTA
+
FF
FFFFFFF:FFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2107:7446:4554_2:N:0:TCTGCAAG+GCTGCACT
TTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTAACGTTAGTAC
CGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTTCAGGA
+
FFF:FFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFF:FFF
@A00721:190:HGJW7DSXY:4:1677:28655:32049_1:N:0:TCTGCAAG+GCTGCACT
CTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTGAAAACCAAGTTAAGAAGGAGGC
TGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTG
GAT
+
FF:FFF,FFF:FFFFFFFFFFFFFFFFFFFFF
:FF:FF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1475:22128:20650_1:N:0:TCTGCAAG+GCTGCACT
GTAAAGAATTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCT
TGATAATCTTAAAGAAAAATTTTGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTA
CAT
+
FFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1417:9462:9330_1:N:0:TCTGCAAG+GCTGCACT
CAATAGCCACAGACTTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATT
CAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAGATCCTTTGCACA
AGC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2270:24560:11115_2:N:0:TCTGCAAG+GCTGCACT
AGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAG
AGTCCAAGGACGTTTCCGTGCGAGGATGACAGGTGGGAGACCGCTCAA
+
FFF:FFFFFFF:
FFFFFFFFFFFFFFF:F:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2535:20781:24737_1:N:0:TCTGCAAG+GCTGCACT
GTTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGA
CCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGAC
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1161:11207:35869_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTCTGAATAGTGATAGCCACCCGCCTTACAGAGGGCAGCAGCATGACCATAATTGGTATT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAA

+

FF:F
FF

@A00721:190:HGJW7DSXY:4:1431:5963:23156_1:N:0:TCTGCAAG+GCTGCACT
ACAATCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGG
TTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGTTAATTCTAAAACAT
TAC

+

FFFFF:FFFF:FFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFF,FFFFFFFF:F::FFFFFFFFFFFFF
FF,
FFF

@A00721:190:HGJW7DSXY:4:1437:21983:18897_2:N:0:TCTGCAAG+GCTGCACT
TGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGG
AACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCG

+

FFFFFFFFFFFF:F:FFFFFFFF,FFFFFF:FF::F:FF:FF,FFFF::FFF:FFFFFFFFFFFF
FF:FF:F:FF:F,::F:,FF:F::FF,FFFFFF::FFF,F:F:FFF:F

@A00721:190:HGJW7DSXY:4:1556:13928:10895_1:N:0:TCTGCAAG+GCTGCACT
GTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGT
GGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTC
TTT

+

FFFF::FFFF,FF,FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2627:1949:22936_1:N:0:TCTGCAAG+GCTGCACT
TGAAGGAGGAGGTTTCTGTTACTGGAACCCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTC
ACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGT
TAT

+

FFF:FFFFFF:FF::FFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1425:14995:4006_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCT
TGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACG

+

FFFFFFFFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:2457:29008:23766_2:N:0:TCTGCAAG+GCTGCACT
TTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAAT
ATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAG

+

[illegible]

+

@A00721:190:HGJW7DSXY:4:1338:1054:23390_2:N:0:TCTGCAAG+GCTGCACT
TATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGA
ACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTC

```

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,F,:FFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF

```

+

@A00721:190:HGJW7DSXY:4:2535:25780:7560_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTG
GTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGG

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

+

@A00721:190:HGJW7DSXY:4:2343:31159:29027_1:N:0:TCTGCAAG+GCTGCACT
AATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGA
GAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCA
CCC

[illegible]

+

@A00721:190:HGJW7DSXY:4:1537:30364:36886_2:N:0:TCTGCAAG+GCTGCACT
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGG

+

@A00721:190:HGJW7DSXY:4:1107:17833:10864_2:N:0:TCTGCAAG+GCTGCACT
TTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCCTGGCTTTCACGAAGTCTCT
GATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTA

+

@A00721:190:HGJW7DSXY:4:2563:19271:36119_2:N:0:TCTGCAAG+GCTGCACT
GTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTA
ATATCATATTAGTAATACTCACTATCGTTTTCTGCTTTTTCTTAGCTA

+

@A00721:190:HGJW7DSXY:4:2350:27760:8672_1:N:0:TCTGCAAG+GCTGCACT
TACGAAAACCAACTCTTCGTTCCGAGACCTTATGGTAGAATATATTTAGTATCTACACCCATCTCAAC
GTGTATAAAGCTATTTTTCCGTCCTGAACTTAATACACGAAGAGATCATCCGCAAACGACTCGA

+

@A00721:190:HGJW7DSXY:4:2372:4842:29763_2:N:0:TCTGCAAG+GCTGCACT
GACTCCGAAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCG
AGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAAT

+

@A00721:190:HGJW7DSXY:4:2275:29767:27430_1:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTACTTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTT
TAT

+

@A00721:190:HGJW7DSXY:4:2562:11867:10645_2:N:0:TCTGCAAG+GCTGCACT
TACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTATACTTTAAATAGCACCGATTATAA
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGA

+

@A00721:190:HGJW7DSXY:4:1170:9064:21418_2:N:0:TCTGCAAG+GCTGCACT
TAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACA
AACGATTCTTCGACTATATTAAAGAAATAAAAAATACTTCAAGTACCTG

+

@A00721:190:HGJW7DSXY:4:1117:12988:29997_2:N:0:TCTGCAAG+GCTGCACT
TTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCT
TAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACT

+

```
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF
```

@A00721:190:HGJW7DSXY:4:2213:28601:34741_1:N:0:TCTGCAAG+GCTGCACT
TAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC
ACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTT
CCC

+

FFFFFFFFFFFF,FFFFFFFFF:FFF::FFFF:F:FFFFFFFF:FFFFF:FFFFF:FFFFF,FFFFFFFF
FFFFFFFFFFFF:FFFF,:FFF,:FF
FFF

@A00721:190:HGJW7DSXY:4:1113:3920:33458_2:N:0:TCTGCAAG+GCTGCACT
GCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGACCCGCTGTGCAGAATAACCTTCCCAA
ATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCAC

+

FFF:FFFFF:FFFFF:FFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2542:29053:31391_2:N:0:TCTGCAAG+GCTGCACT
GGGAAGTGAAGGAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTA
TACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTG

+

FFF,FFFFFFFF
FFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2127:20717:28134_1:N:0:TCTGCAAG+GCTGCACT
GCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGTCCATCAGGACCTAAGAAGGGGAAATTA
CCC

+

FFF:FFFFF:FFFFF:FFFFF:FFFFF
FFFFFFFFFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:1319:30879:30483_2:N:0:TCTGCAAG+GCTGCACT
GGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTG
CGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTG

+

FFFF:F:FFF,FFFFFFFFFFFFFFFFFFFFF:
FFF

@A00721:190:HGJW7DSXY:4:2276:24514:32894_1:N:0:TCTGCAAG+GCTGCACT
TCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAAAGTGAAGAGCAGTCGCTGGGGA
AAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGT
CAA

+

::FF:F:FFFF::FF:,FFFFFF,,:FFFFFFFF:FFFFFF,,F,,,F:FF:,F:FFFFFF:FF
FFFFFF,,:,FFFFFFFF:FFF::FFFF:FFFFFFFF:FFF,FFFFFF:F,F:FF:FF:::F:FFFF:F
FF:

@A00721:190:HGJW7DSXY:4:2676:6551:11240_2:N:0:TCTGCAAG+GCTGCACT
CTTAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGA
TAATAAGCATGTACCCCTAAGCACCGAGGTAAGCTCGGGACTTACAA

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:2110:29243:29340_1:N:0:TCTGCAAG+GCTGCACT
AAAATTTTCTTTCTCCGTCAATTGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGTCCTTCT
TCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGA
GGA

+

FFFFFFFFFFFF::FFFFFF:FFFF,FFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF

FF
FFF

@A00721:190:HGJW7DSXY:4:2306:4309:8359_2:N:0:TCTGCAAG+GCTGCACT
TAAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAAAC
TTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTC

+
FF
FFFFFFFF:FFFF,FF

@A00721:190:HGJW7DSXY:4:2650:4960:34162_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGGTACCACCTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT

+
FF:,F,FF:,F,:F:,FF:FFFF:FF
FFF:FF:F::FFFF:,FFFFF

@A00721:190:HGJW7DSXY:4:2142:28637:20243_2:N:0:TCTGCAAG+GCTGCACT
ACTTACCATATTGTTCCCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCC
GGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTC

+
FF
FFFFFFFFF:F:FFF:FFFFF::FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1517:11849:32409_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGTTGAGGAGACTTTACAGCGGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT

+
FF
FF

@A00721:190:HGJW7DSXY:4:1211:28899:23265_2:N:0:TCTGCAAG+GCTGCACT
AACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTA
CTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTT

+
FFFFF:FFFFFFFF:FFFFFFFFF,FFFFFFFF:FFFFFFFFFFFF,F:FFFF,FFFFF:FFFFFFFF
FF:FFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2358:27037:9987_1:N:0:TCTGCAAG+GCTGCACT
TGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTTGTCCCG
GCGAATTATTGGACACGATGAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGA
GAT

+
FF
FFFF,FFF:FFFFFFFFFFFFFFFF:FF,F:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1263:7021:8422_2:N:0:TCTGCAAG+GCTGCACT
CGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATC
TCGGGGAAAGTGATTACCAAGATGTTTCATATAGATACGAGATACCTA

+
FF
FFFFFFFF:FFFFFFFFFFFF:FF:F

@A00721:190:HGJW7DSXY:4:2161:26115:35289_2:N:0:TCTGCAAG+GCTGCACT
TTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTAACGTTAGTAC
CGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTTCAGGA

+
FF
FFFFFFFF:FF:FFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2255:18367:12790_1:N:0:TCTGCAAG+GCTGCACT
CTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTTGAAAACCAAGTTAAGAAGGAGGC

FF:FF:FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2457:22562:34929_1:N:0:TCTGCAAG+GCTGCACT
ATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAA
GAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCC
TGG

+

FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1122:24623:18959_1:N:0:TCTGCAAG+GCTGCACT
TACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCTTTAGCTGTATCATCAGTCAGAGT
ATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTT
CAC

+

FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2653:12870:25034_2:N:0:TCTGCAAG+GCTGCACT
TATGATCACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTTCGGCTGTGGTTGTCGCTG
GGGACGATTCCATTCTGTTTTCAAAGACTCCAATAACTGATAGATCGG

+

FF:FFFFFFFF:FF:FFFFFFFF,FF:,FFFFFFFF,FFFFFFFFFFFF:,FFFFFFFF:FFF
FFFFFFFFFF:FF:F:FFFFFFFF:FFFFFFFF:FFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2253:15049:35509_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATT
TTGATGCGGTTTTATAAGATTATCAGTAATCCTGATTCTACTACGGAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1233:7925:7764_2:N:0:TCTGCAAG+GCTGCACT
TTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGAC
CGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1223:1750:20055_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAA

+

FFFFFFFFFFFFFF,FF:FFFF:FFFF,FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF,,:FFFF
FFFFFFFFFF:FFFF:FFFFF:,FFFFF:FFFFFF:FFF,:FF

@A00721:190:HGJW7DSXY:4:2175:27597:5321_1:N:0:TCTGCAAG+GCTGCACT
ACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGG
TTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACAT
TAC

+

FFFFFFFFFFFF:FFFFF:FF:FFFFFFFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1562:13006:21793_2:N:0:TCTGCAAG+GCTGCACT
TGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGG
AACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACCTTCGGCCG

+

@A00721:190:HGJW7DSXY:4:1556:22616:11506_1:N:0:TCTGCAAG+GCTGCACT
GTGGTGGTACTTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTGTTATTTATTCTGGT
GGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTC
TTT

[illegible]

@A00721:190:HGJW7DSXY:4:2668:17852:17127_1:N:0:TCTGCAAG+GCTGCACT
TGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAATACTTTTCAATAATATACGTCTTGAACTC
ACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTACTATTATGAACAAAGT
TAT

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFF:FFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

@A00721:190:HGJW7DSXY:4:1425:15085:3630_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGCTATTACTCTTGCTGAAACAGCTATTAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCT
TGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACG

```
F:FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFF,FFF:F:FFFFFFFFF:FFFFFFFFFFFF
F:FFFFFF,FFFFFFFFFFFF,:FFFFFF:FFFFFFFFFFFF:FF:FFFF:FFFF:
```

@A00721:190:HGJW7DSXY:4:2568:24939:11866_2:N:0:TCTGCAAG+GCTGCACT
TTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAAT
ATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAG

[illegible]

@A00721:190:HGJW7DSXY:4:1531:8115:11819_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTCGCTTCCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT
CTG

[illegible]

@A00721:190:HGJW7DSXY:4:1402:13792:17268_2:N:0:TCTGCAAG+GCTGCACT
TATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGA
ACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAACTC

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FF
FFFFFFFFFFFFFFFF:FF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1455:7862:13917_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGACATTTTATCGTGGG
CTTCCGTAAAGGAAGATCTGTTATCGACGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGG
TTT

```
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFF
FFF
```

@A00721:190:HGJW7DSXY:4:1149:26784:1908_1:N:0:TCTGCAAG+GCTGCACT
ACTTACTTAGACTTTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCC

TCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTT
TCG

+

FFF,FF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2517:27706:4476_1:N:0:TCTGCAAG+GCTGCACT
GTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACC
ATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTG
TAG

+

FFFFFFFF,F:FFFFFFFF,:FFFF:FFFF:F:F,:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF,FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2436:17327:21981_1:N:0:TCTGCAAG+GCTGCACT
AATGGCAAATAGTGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGATTACGATGACGTGA
GAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCA
CCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2619:18747:23030_2:N:0:TCTGCAAG+GCTGCACT
CAACATTTACCACCAAATCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGC
TTGCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGA

+

FF
FFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1547:15176:33411_2:N:0:TCTGCAAG+GCTGCACT
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGG
AGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTTCTACT

+

FFFFFFFFFFFFFFF:FF
FFFFFFFFFFFF:FF:F:FF:,FFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1140:14660:26631_2:N:0:TCTGCAAG+GCTGCACT
TTATAAAATATAAAATAAGGGAGTCATAACTTTTGTTACCAAATCTTGGCTGTCAACGAAGTCTCT
GATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTA

+

FFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:2648:23954:17613_2:N:0:TCTGCAAG+GCTGCACT
TGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACT
ATCGTTTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTAC

+

::FFFFFFFF:F,FFFFFFFFFFFF:FF:FFFF,FFFF:FFFFFF:F:FF:FFFFFFFF,F,FFFF:
FFF,FF::FFF,FFFFFFFF:FFFFFFFF:FFFFFF:FFF,F:F,F

@A00721:190:HGJW7DSXY:4:2318:25446:22232_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTTACGAGACCTGAGGTTAGAATAGATTTAGTCTCTACCCCATCTCAACGAGGATAAAGCGAG
TTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTC

+

FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,:FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FF,F:FFFF
FFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2530:19162:29230_2:N:0:TCTGCAAG+GCTGCACT
GACTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCG

AGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACTTCAAT

+

FFFFFFFFFFFF,FFF:FFFF:FFFFFFFF,F:FFFFFFFFFFFF,FFF:FFFFF:::FFFF:FFFFFFFF
FF:FFFF,FFFF:FFFFFFFFFFFF,F:,FFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2317:30002:21261_1:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTACAGCGTATACTTGAATACTT
TAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1133:14064:32706_1:N:0:TCTGCAAG+GCTGCACT
TACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTATACTTTAAATAGCACCGATTATAA
CTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTA

+

FFFFFFFFFFFFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1145:11107:21230_1:N:0:TCTGCAAG+GCTGCACT
AACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAATGGT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTA
GTA

+

:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2132:8368:29262_1:N:0:TCTGCAAG+GCTGCACT
ACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAA
AACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATT
GAA

+

FFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1665:21911:4961_1:N:0:TCTGCAAG+GCTGCACT
ACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGC
TTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTTGTATAAATTTATATGAT
TTT

+

FFFFF:FFFFFFFFF,F,FF:FFFFFFFFF:FFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFF::FFFFF::FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1159:28673:21652_2:N:0:TCTGCAAG+GCTGCACT
GCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCCGCTGTGCAGACTAACCTTCCCAA
ATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCAC

+

FF,FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2547:4155:11068_2:N:0:TCTGCAAG+GCTGCACT
GGGAACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTA
TACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTG

+

FFFF:FFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2266:11153:13103_1:N:0:TCTGCAAG+GCTGCACT
GCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGTCCATCAGGACCTAAGAAGGGGAAATTA
CCC

+
FF:F,FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF, ,F
FFF

@A00721:190:HGJW7DSXY:4:1408:15510:11663_2:N:0:TCTGCAAG+GCTGCACT
GGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTG
CGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTTCG

+
FF:F,FF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2637:26657:28557_1:N:0:TCTGCAAG+GCTGCACT
TCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGA
AAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGT
CAA

+
FF
FFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1150:2266:1094_2:N:0:TCTGCAAG+GCTGCACT
TTAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGAT
AATAAGCATGTACCCCTTAAGCACCGAGAGATCGGAAGAGCGTCGTGT

+
FFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2213:23836:24643_1:N:0:TCTGCAAG+GCTGCACT
AAAATTTTCTTTCTCCGTCAATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCT
TCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGA
GGA

+
FFFFFFFFFFFF, :FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2341:6741:19899_2:N:0:TCTGCAAG+GCTGCACT
TAAAGACGGGGGATTAAGAGTCCAGCTGTAACTGTCATTTAGAGAGGGGAGCTCTGAAAAGGAAAC
TTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTC

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1113:9426:25081_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGGTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+
FFF:FFFFF,FFFF,FF:FFFFFFFFFFFF:FFF:
FF
FFF

@A00721:190:HGJW7DSXY:4:1211:25003:32393_1:N:0:TCTGCAAG+GCTGCACT
ATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGT

TTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAA
GGT

+

FFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1533:26811:31798_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGTTGAGGAGACTTTACAGCGGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT

+

FFFFFFFFFFFF:FFF:FF:FFFFFF:FFFFFFFFFFFFFFFF
FFFF:FFFF:FF:FF:FFFFFF,FFFFFFFFFFFFFFFF,FF:F:FFF

@A00721:190:HGJW7DSXY:4:1269:9534:33755_2:N:0:TCTGCAAG+GCTGCACT
AACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTA
CTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTT

+

FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF:FF
FFF:FF:FFFFF

@A00721:190:HGJW7DSXY:4:2419:30490:33536_1:N:0:TCTGCAAG+GCTGCACT
TGATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCG
GCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTGGTATCGTTATCCGTCATGGA
GAT

+

FF:FFFFFFFF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2230:17644:33833_2:N:0:TCTGCAAG+GCTGCACT
CGGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATC
TCGGGGAAAGTGATTACCAAGATGTTTCATATAGATACGAGATACCTA

+

FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2433:3097:8359_2:N:0:TCTGCAAG+GCTGCACT
TTACTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAAACTTAACGTTAGTAC
CGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFF,FFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1310:19144:19085_2:N:0:TCTGCAAG+GCTGCACT
AGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAG
TCTTTGTACCTTCTGTCAAACCTTCGAGGTACAGCTACGAGAGGTGATC

+

F:FFFFF:F,F::FFF,FFFFF:FFFFFFF:F:FF:F:FF:F:FFFF,,F:F:::,FFFFF::,,FFF
:,F,F:FFFF,FF::F,,FFFFFFFF::F,F,:FFFFFFFF:F:FFF

@A00721:190:HGJW7DSXY:4:1423:27977:35759_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAA

+

F:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2144:14895:35180_1:N:0:TCTGCAAG+GCTGCACT
CAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATT
CAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCACA
AGC

+
FFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2551:30309:2660_2:N:0:TCTGCAAG+GCTGCACT
AGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAG
AGTCCAAGGACGTTTCCGTGCGAGGATGACAGGTGGGAGACCGCTCAA
+
FF
FF
FF
@A00721:190:HGJW7DSXY:4:2132:20256:24862_2:N:0:TCTGCAAG+GCTGCACT
TCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATA
TCGCCGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2436:2121:26741_1:N:0:TCTGCAAG+GCTGCACT
GTCTCTGTAAGTGTCTCCAGTGATTGCGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTC
TGAATTTTCAGGGTGCCCTGTTGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTG
+
FF,FF,F,F,,,FF:FFF,,FFFF:F,:,FF:F,FF,F:F,FFF:FF:FFFF,F,F:FF,FFF:,F:
FFFFFFFFF:FF:F,F,,F,,FF:FFF,FFFFFF,:FF:F,FFFFFF:FFFFFFFFF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2361:7392:26099_1:N:0:TCTGCAAG+GCTGCACT
CCGATCTAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGG
ACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTT
AAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2564:25229:18380_1:N:0:TCTGCAAG+GCTGCACT
CAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTACTTCAACATCAACGACATCA
TTCTTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGGAACTC
TCA
+
FFFFFFFFF:FF
FFF:FFFFFF:FFFFFFF,FFFF:FFFF:FFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2472:24144:24549_1:N:0:TCTGCAAG+GCTGCACT
ATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAA
GAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCC
TGG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1128:25021:34084_1:N:0:TCTGCAAG+GCTGCACT
TACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGT
ATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTT
CAC
+
FFF:FFFFFFFFFFFFFFFFFFFF:FFFF:FFFF:FFFF:FFFF:FFFFFFFFF,FFFFFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFF:F:FFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1104:30599:1031_1:N:0:TCTGCAAG+GCTGCACT
CACTTTGATGATTTTATCACTTTATTATGACCTTGGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACG
ATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTC
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2333:31394:2785_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATT
TTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGAT

+

FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:1609:20374:31046_2:N:0:TCTGCAAG+GCTGCACT
TTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGAC
CGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCT

+

FF
FFFFF:F:FF

@A00721:190:HGJW7DSXY:4:1231:9381:15107_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAA

+

FF
FFFF:F:FFFF:FF

@A00721:190:HGJW7DSXY:4:2453:12798:16078_1:N:0:TCTGCAAG+GCTGCACT
ACAATCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGG
TTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACAT
TAC

+

FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:1564:15447:29904_2:N:0:TCTGCAAG+GCTGCACT
TGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACATACAGAGG
AACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACCTTCGGCCG

+

FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2527:5954:11553_2:N:0:TCTGCAAG+GCTGCACT
CTTCTATCGTCTTACGTTACGTAATTACTATAGTGTTATTTATTCTGGTGGTATGATAATCTTGGA
GGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1566:10737:18239_1:N:0:TCTGCAAG+GCTGCACT
CCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGT
CCTTTTCTGGAACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAAC
TAC

+

FFFFFFFFFFF:FFFFFFFF:FF
FFF:FFFFFFFFFFFFFFFFFFFFFFFF

FFF

@A00721:190:HGJW7DSXY:4:1438:21468:12461_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGCTATTACTCTTGCTGAAACAGCTATTAAGCTGTTGAGCGGGTAATTACACCTAACGAGCT
TGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACG

@A00721:190:HGJW7DSXY:4:2661:16721:30953_2:N:0:TCTGCAAG+GCTGCACT
TTCTTAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAAT
ATTGAAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAG

@A00721:190:HGJW7DSXY:4:1553:27371:32049_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTCGCTTCCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT
CTG

@A00721:190:HGJW7DSXY:4:1609:32000:21402_2:N:0:TCTGCAAG+GCTGCACT
TATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGA
ACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTC

@A00721:190:HGJW7DSXY:4:2122:15863:11397_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGG
CTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGG
TTT

@A00721:190:HGJW7DSXY:4:1163:2166:20807_1:N:0:TCTGCAAG+GCTGCACT
ACTTACTTAGACTTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCC
TCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTT
TCG

@A00721:190:HGJW7DSXY:4:2647:1271:1564_1:N:0:TCTGCAAG+GCTGCACT
GTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACC
ATTTTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTG
TAG

@A00721:190:HGJW7DSXY:4:2635:11948:29199_1:N:0:TCTGCAAG+GCTGCACT
AATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGA
GAATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCA
CCC

@A00721:190:HGJW7DSXY:4:1152:4924:1939_1:N:0:TCTGCAAG+GCTGCACT
AACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTTAATGGT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTA
GTA

@A00721:190:HGJW7DSXY:4:1112:5629:6511_1:N:0:TCTGCAAG+GCTGCACT
CTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAAATTTAGAAAA
ACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTG
AAA

@A00721:190:HGJW7DSXY:4:1665:22046:5259_1:N:0:TCTGCAAG+GCTGCACT
ACACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATGAACTGCCGC
TTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTTGTATAAATTTATATGAT
TTT

@A00721:190:HGJW7DSXY:4:1178:25048:4570_2:N:0:TCTGCAAG+GCTGCACT
GCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAGGGACCCGCTGTGCAGAATAACCTTCCCAA
ATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCAC

@A00721:190:HGJW7DSXY:4:2554:31259:9596_2:N:0:TCTGCAAG+GCTGCACT
GGGAAGTGAAGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTA
TACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTG

@A00721:190:HGJW7DSXY:4:2530:29441:24455_1:N:0:TCTGCAAG+GCTGCACT
GCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCAGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAAATGTCCCCAAAACTGAGAAGAATAAAGGGAAAGTCCATCAGGACCTAAGAAGGGGAAATTA
CCC

@A00721:190:HGJW7DSXY:4:1543:23900:21402_2:N:0:TCTGCAAG+GCTGCACT
GGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTG
CGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTTCG

@A00721:190:HGJW7DSXY:4:2331:8766:34397_1:N:0:TCTGCAAG+GCTGCACT
GGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAAACTGAGAGCAGTCGCTGGGGAAAGAGAATTG

@A00721:190:HGJW7DSXY:4:2368:13096:21605_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAA
TTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2625:31259:17863_1:N:0:TCTGCAAG+GCTGCACT
CCGATCTAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGG
ACGTTCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTT
AAG

+

FF:FF:FFFF:FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2630:12861:23328_1:N:0:TCTGCAAG+GCTGCACT
CAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCA
TTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGGAATC
TCA

+

FFFFFF,F,FFFFFFFF:FF
:FFFFFFFF:FFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2523:28791:1344_1:N:0:TCTGCAAG+GCTGCACT
ATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTGAAGTTGTTGACGACAAGCCTCAA
GAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCC
TGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1128:25192:35321_1:N:0:TCTGCAAG+GCTGCACT
TACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGGTTTAGCTGTATCATCAGTCAGAGT
ATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTT
CAC

+

FFF:FFFFFFFF:FFFFFF:FF:FFFFFFFFFFFF
FFFF,FFFFFFFF:FF,FFFFFFFF:FFFFFF:FF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1232:26060:6762_1:N:0:TCTGCAAG+GCTGCACT
CACTTTGATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTGCTGGGGACG
ATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTGGACAATGGTTTC
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2333:31403:2581_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATT
TTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGAT

+

FF
FF,FFF

@A00721:190:HGJW7DSXY:4:2219:7102:16548_2:N:0:TCTGCAAG+GCTGCACT
TTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAAACGTTTGAC

$+$

FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF

+

```
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
```

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF

+

F:FFF,,FFFFFF,:F,FFF::FFF:,FF:FFF:FF::F,,FF:FFF:F

+

FFF:FFFFFF

+

FFF:FFFFFFFFFFFFFFFF:FFF:FF

+

FF

+

FFF:FFF

@A00721:190:HGJW7DSXY:4:2101:10267:31109_1:N:0:TCTGCAAG+GCTGCACT

TACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT

CTG

[illegible]

@A00721:190:HGJW7DSXY:4:1223:13295:2660_2:N:0:TCTGCAAG+GCTGCACT
TTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCT
GATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTA

+

FFFFFFFF:FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFF

@A00721:190:HGJW7DSXY:4:1205:27227:5181_2:N:0:TCTGCAAG+GCTGCACT
CTATCTTTTCAGACACTTCTTATATTATTACAATAGTTAATATCATATTAGTAATACTCACTATCGT
TTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAA

+

FF
:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2469:26811:6558_2:N:0:TCTGCAAG+GCTGCACT
TTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTC
CGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAAC

+

FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1376:14226:30044_2:N:0:TCTGCAAG+GCTGCACT
CTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAAACGAACATTATCCGATTCTTCGAG
GGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAC TTCAATTC

+

FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2424:15845:34976_1:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTAGCGTATACTTGAATACTT
TAT

+

FFFFFFF:FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1654:24469:36824_1:N:0:TCTGCAAG+GCTGCACT
TACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAA
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTA

+

FF
FF:FFF,FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1340:29243:5071_1:N:0:TCTGCAAG+GCTGCACT
AACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAAC TTACATTTTAAATGGT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTCTTACTATTCTA
GTA

+

:F:FFF:FFFFF,F,FFFFF:,FFFFFFFFFFFFFFFF,FF:FF:FF,:F,FFFFFFFFFFFF,FFFFF
,FF,FFF:FFFFFFFFFFFF,FFFFF:FFF,:FFF,FFFFFF:FFFFFFFF:FFF:,FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1378:26612:22060_1:N:0:TCTGCAAG+GCTGCACT
CTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAA
ACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTACTATCGCCTTTATTG
AAA

+

:F:FFFFFFF,FFFF,:FFFFFFFFFFFFFFFF:FFFF:FFFFF,FF,FFFFFFFFFFFF:FFFFFFF

FFFF:FFFFFFFFF::FF,FFFF:FFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1234:24623:27915_1:N:0:TCTGCAAG+GCTGCACT
CAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTC
CCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTTGTATAAATTTATATGATTTT
CTA

+

FFFFFFFFFFFFFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1326:7129:29434_2:N:0:TCTGCAAG+GCTGCACT
GCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTTCCCAA
ATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCAC

+

FFF::FFF:F
FFFFFFF,F,FFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2458:20365:4319_1:N:0:TCTGCAAG+GCTGCACT
AACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATAC
AGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGC
AAG

+

FF,FFFFFFFFFFFF
FF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1307:9552:30561_1:N:0:TCTGCAAG+GCTGCACT
GCAGAGTGAAGGAGTTCAGACGTGTGCTCTTCCGATCTCCGGGTAGTCTCTAAGTCTACCAGGAAGA
GGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTA
CCC

+

FF,FFFFFFF:FFFFFFFFFFFF:FFFFFFF
FF:FFF::F
FFF

@A00721:190:HGJW7DSXY:4:1607:31376:16595_2:N:0:TCTGCAAG+GCTGCACT
GGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGCTAGCTGTAAAGTTG
CGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTG

+

FFFFF:FF:FFFFFFFFFFFFF:FFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2333:2672:8343_1:N:0:TCTGCAAG+GCTGCACT
GGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAAACTGAGAGCAGTCGCTGGGGAAAGAGAATTG
CGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGCTGACGTTTTTGTCAACGGCGTT
TGG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1374:9435:11256_2:N:0:TCTGCAAG+GCTGCACT
TTAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGAT
AATAAGCATGTCACCTTAAGCACCGAGAGATCGGAAGAGCGTCGTGT

+

F:FFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFF,:FFFF,FFFFFFFFFFFF,FFFFFFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F,

@A00721:190:HGJW7DSXY:4:2601:12481:18756_1:N:0:TCTGCAAG+GCTGCACT
AAAATTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGAAGGTGTCAAGGCTCTCT

TCATGCTGATCTTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGA
GGA

+

FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2261:23231:7247_1:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT

+

FFFFFFFF:FF
FFFFFFFF:FFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2313:19425:17378_1:N:0:TCTGCAAG+GCTGCACT
CCTAAGGTGGATGAGGGAGGTTGTTTCTTTGTAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGC
CAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAA
GAT

+

FFFF:FFFF:FFFF::,,,FF,FFFF,F:F,FFFFFF:FFFF,F,FFFF,::F:F,:,F,:FFFF:F
:,FFFFFF:::FFFF,FF:F:F:FFFF:F,FFF:FF:FF,,F:FFFF,:F:FFFF:,FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1308:18204:12696_1:N:0:TCTGCAAG+GCTGCACT
ATAGTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCACTACTCCGATCAGATCCGGATGGT
TTGATTGGTTTGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAA
GGT

+

F:F,FFF:FFFFFF:FF
FFFFFFFF:FFFF:FFFF:FFFF:FFFFFFFF:FFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1534:11930:27007_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2211:28836:17425_2:N:0:TCTGCAAG+GCTGCACT
AACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTA
CTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTT

+

FF
FFFFFFFFFFFFFFFF:FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1107:27163:21386_2:N:0:TCTGCAAG+GCTGCACT
GATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCGG
CGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1509:6813:32863_2:N:0:TCTGCAAG+GCTGCACT
GGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCT
CGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAG

+

FF
FFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

FF
FFF
@A00721:190:HGJW7DSXY:4:2374:9046:34945_2:N:0:TCTGCAAG+GCTGCACT
CAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCT
TGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGA
+
FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2645:21793:28494_1:N:0:TCTGCAAG+GCTGCACT
ATTCAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAA
GAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCC
TGG
+
FFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1448:27597:33066_1:N:0:TCTGCAAG+GCTGCACT
TACCTTTATAGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGT
ATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTT
CAC
+
FFFFFFFFFFFFFF:FF
F,FF:FFFFFFF:FFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1336:30147:11898_1:N:0:TCTGCAAG+GCTGCACT
CACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGGACG
ATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTC
GAA
+
FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2435:12789:19883_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTAATAATT
TTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGAT
+
FF:F:FF:F:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2439:1515:1736_2:N:0:TCTGCAAG+GCTGCACT
TTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGAC
CGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1265:19425:3505_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTCGAATAGTAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAA
+
FF:FF:FFFFFFFFFFFFFFFF
FFFFFFFF:F:FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF
@A00721:190:HGJW7DSXY:4:2544:32579:18615_1:N:0:TCTGCAAG+GCTGCACT
ACAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGG
TTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACAT
TAC

```

+
FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2324:7916:35650_2:N:0:TCTGCAAG+GCTGCACT
TGGTTTGTCGTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTCATGAAACTACAGAGG
AACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCG
+
FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:Ff:FFFF
@A00721:190:HGJW7DSXY:4:2651:30382:20603_2:N:0:TCTGCAAG+GCTGCACT
AGTGTTATTTATTCTGGTGGTGATGATAATCCTGGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTCAGTTTC
+
FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::F:FFFFFF
@A00721:190:HGJW7DSXY:4:2361:28122:33849_1:N:0:TCTGCAAG+GCTGCACT
CCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGT
CCTTTTCTGGAACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAAC
TAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1536:26684:27821_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCT
TGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACG
+
FFFF,,FFFFFF,F,F,:FFFFFFFF:F,:FFFF:,FFFFFF::FFFFFF:F,FFFFFF,:,F,
F,FFFF,:FFFFFFFFFFFF:F:FFFFF,:FFF:FFF:FF:FF,F
@A00721:190:HGJW7DSXY:4:1561:29035:36965_2:N:0:TCTGCAAG+GCTGCACT
TAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTG
AAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2101:10565:29622_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTCGCTTCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT
CTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1215:11388:28354_2:N:0:TCTGCAAG+GCTGCACT
ATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAA
CATATCCATTTGTTGTAATAGGTCATCAACTTAGAACTCGAACTCT
+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2213:29234:11350_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGG
CTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGG
TTT

```

+
FFFFFFFFF:FF:FFFFFFF:FFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1634:21757:24330_1:N:0:TCTGCAAG+GCTGCACT
ACTTACTTAGACTTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCC
TCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTT
TCG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1660:26449:2080_2:N:0:TCTGCAAG+GCTGCACT
CCAGCGCATCTCGTGTGCGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATT
TTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAAT
+
FF::FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF::FFFFF:FFFFFFFFFFFFFFFFF
FFFF:FFFFFFFF,FFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1503:11460:23312_1:N:0:TCTGCAAG+GCTGCACT
ATGGCAAATAGTGGAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAG
AATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCAC
CC
+
:F:,FF,FF,FF,,F:FFFFF,F:FF:F,FFFFF:FFFF:FFF:FF:FFFFFFFF:FFF,FF,FFF,F
FFFFFFFFF::F:FFFFFFFFFFFF,FFFFF:F:FFFFF,FFFFF:F:FFF::FFFFFFFF:F,FFFFF:
FF
@A00721:190:HGJW7DSXY:4:1144:27154:21872_2:N:0:TCTGCAAG+GCTGCACT
ACATTTACCACCAAATCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTT
GCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAG
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:2159:12635:13135_2:N:0:TCTGCAAG+GCTGCACT
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGG
AGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTTCTACT
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:1248:20817:35102_2:N:0:TCTGCAAG+GCTGCACT
TTATAAAATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATCTTGCTTTCAACGAAGTCTCT
GATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTA
+
FFFFFFFFF,:FFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1238:15176:33035_2:N:0:TCTGCAAG+GCTGCACT
CTATCTTTTCAGACACTTCTTATATTATTACAATAGTTAATATCATATTAGTAATACTCACTATCGT
TTTCTGCTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAA
+
FFF
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFF:FFFFFFFF:
@A00721:190:HGJW7DSXY:4:1415:13937:11130_1:N:0:TCTGCAAG+GCTGCACT
TTACGAGACCTGTTGTTAGAAATAGATTTCTACTATACACCAATCTCACCGTGTAACGCGAGTTTTTC
CGGCTCAACGTAATACACGAAGAGATCACCCGCAAACGACTCGAAACCGAGACGCCGTA
+

```

+
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2443:29396:16172_1:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTT
TAT

```

```
+  
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,  
FFF  
@A00721:190:HGJW7DSXY:4:1627:17038:11960_1:N:0:TCTGCAAG+GCTGCACT  
AACGATTCTTCGACTATATTAAGAATAAAAAATACTTCAAGTACCTGAACTTTACATTTTTAATGGT  
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTCTTAATATTCTA  
GTA
```

```
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FF,FFF:FFFFFF:,FFFF:FFFFFF:FFFF
FF,FFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1369:12427:25708_1:N:0:TCTGCAAG+GCTGCACT
CAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTC
CCGGAAGAAACGATCTATTTACCGAGTATTTAGAGTAGTCCAAAGTTTGTATAAATTTATATGATTTT
CTA
```

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

@A00721:190:HGJW7DSXY:4:2560:22742:21997_1:N:0:TCTGCAAG+GCTGCACT
AACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATAC
AGTTCGCCATTTCAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGC
AAG

+

FFFFFFFFFFFF,FFF:FFFF:FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1665:4191:23187_1:N:0:TCTGCAAG+GCTGCACT
CAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGG
GAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAGGGGAAATTACCCC
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1608:28546:4742_2:N:0:TCTGCAAG+GCTGCACT
GGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTG
CGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2350:14045:19116_1:N:0:TCTGCAAG+GCTGCACT
GGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTG
CGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTT
TGG

+

FFFFF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1644:22110:33082_2:N:0:TCTGCAAG+GCTGCACT
TTAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGAT
AATAAGCATGTCACCCTTAAGCACCGAGAGATCGGAAGAGCGTCGTGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2640:16514:32910_1:N:0:TCTGCAAG+GCTGCACT
AAAATTTTCTTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCT
TCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGA
GGA

+

FFFFFFFFFFFF,:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2419:20826:4398_1:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGA
GAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
ATT

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2444:23674:25300_1:N:0:TCTGCAAG+GCTGCACT
CCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAATCTTTTGAGAAGGGGTCATAGAGC

CAGCAAGAGAAGCTTATATGCTGGTTTAAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAA
GAT

+

FFFFFFFFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1342:12626:29653_1:N:0:TCTGCAAG+GCTGCACT
ATATTGTTCTTCCGGGAAGTTGTGGGATTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGT
TTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAA
GGT

+

FFFFF:FFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1551:15031:7200_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGTTGAGGAGACTTTACAGCGGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT

+

FFF:,FF
FF

@A00721:190:HGJW7DSXY:4:2616:19289:23594_2:N:0:TCTGCAAG+GCTGCACT
AACCCTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTA
CTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTT

+

FFFFFFF:FF,FF
FF:FF

@A00721:190:HGJW7DSXY:4:1261:1669:10676_2:N:0:TCTGCAAG+GCTGCACT
GATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGCTTAGTTTGTCCCGG
CGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCTTG

+

FF,FFFFFFFFFFFFFFFF
FFF,FF

@A00721:190:HGJW7DSXY:4:2135:27688:27336_2:N:0:TCTGCAAG+GCTGCACT
GGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCT
CGGGGAAAGTGATTACCAAGATGTTTCATATAGATACGAGATACCTAG

+

FF
FFFFF,FF:FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2261:16288:7529_1:N:0:TCTGCAAG+GCTGCACT
CTCGTTATCGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGG
AGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACTTTATGGACA
AGA

+

FF,FFFFFF:FF:FFFFFFFFF:FFFFFFFFF:F:FFFFFFFFF:FFFFFFFFFFFFFFFF:FFF
F:FFFFFFFFF:FFFFFF:FF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2270:6262:31657_2:N:0:TCTGCAAG+GCTGCACT
AGAACACGTCAAGAAGTCGCTCGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAG
TCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2167:24180:20353_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCAGGCTCTAAGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC

+

@A00721:190:HGJW7DSXY:4:2432:17390:21402_1:N:0:TCTGCAAG+GCTGCACT
CAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATT
CAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTGCACA
AGC

+

@A00721:190:HGJW7DSXY:4:1575:8214:16470_1:N:0:TCTGCAAG+GCTGCACT
AGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAG
AGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCT
TTT

+

@A00721:190:HGJW7DSXY:4:2220:16152:17628_2:N:0:TCTGCAAG+GCTGCACT
TCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATA
TCGCCGGGAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGGA

+

@A00721:190:HGJW7DSXY:4:2547:16369:7889_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAA
TTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCT

+

@A00721:190:HGJW7DSXY:4:1362:23701:10567_1:N:0:TCTGCAAG+GCTGCACT
ATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGT
TCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG
CGG

+

@A00721:190:HGJW7DSXY:4:2447:3260:5509_2:N:0:TCTGCAAG+GCTGCACT
CAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCT
TGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGA

+

@A00721:190:HGJW7DSXY:4:1547:9263:14998_1:N:0:TCTGCAAG+GCTGCACT
CAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAG
GGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTCTGG
AAC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1531:27389:4178_1:N:0:TCTGCAAG+GCTGCACT
TACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGT
ATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTT
CAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1501:15890:10723_1:N:0:TCTGCAAG+GCTGCACT
CACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGGACG
ATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGACAATGGTTTC
GAA

+

FFFFFFFFFFFFFFFF:FFFFFFFFF:FFF:FFF:FFF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFF
FF:FFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2616:30978:14935_2:N:0:TCTGCAAG+GCTGCACT
GATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTAAGAAATT
TTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGAT

+

FF:FF
FF

@A00721:190:HGJW7DSXY:4:2464:2275:16141_2:N:0:TCTGCAAG+GCTGCACT
TTGATTAAGACTCTTCCGAAAGGCGAACTTTGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGAC
CGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCT

+

FFFF,FFFFFFFFFFFFFFFF:FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1315:5330:17300_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAA

+

F:FFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2613:22155:24925_1:N:0:TCTGCAAG+GCTGCACT
ACAATCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGG
TTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGTTAATTCTAAAACAT
TAC

+

FFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFF:FFFFF
FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2622:26594:11976_2:N:0:TCTGCAAG+GCTGCACT
TGGTTTGGTCGTTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGG
AACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACCTTCGGCCG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FF
F::FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF

@A00721:190:HGJW7DSXY:4:2662:17273:19163_2:N:0:TCTGCAAG+GCTGCACT
AGTGTTATTTATTCTGGTGGTGATGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTT
CTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTTCAGTTTC

+

FFFF:FFFFF,FFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFFFF:FFFFFFFFFFFF:FFFFF:FFF:F,FFFF:F:FFFF

@A00721:190:HGJW7DSXY:4:2442:29740:20650_1:N:0:TCTGCAAG+GCTGCACT
CCTCGTCAATACTTTTCAATAATATACGTCTTGAACCTACTTATGACGATCTAGTGAAATTAACGCGT
CCTTTTCTGGAACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAAC
TAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2274:20564:18818_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGCTATTACTCTTGCTGAAACAGCTATTAAGGCTGTTGAGCGGTAATTACACCTAAACGAGCT
TGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACG

+

,FF,FFFF::FFFFFF:FFFFFFF:F:FFFFFF:FFFFFFF:FFFFFFF:FFFFFFF
FFFF:F,FFFF,FF:FFFF:FF:,FFFFFF:F,:F:FFFF::FFFF

@A00721:190:HGJW7DSXY:4:2177:15736:14904_2:N:0:TCTGCAAG+GCTGCACT
TAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTG
AAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFF:FFFFFFF:FFFFFFF:FFFFFFF
FFFFFFFF:FFFFFFF:FFFFFFF:FFFFFFF:FFFFFFF:FFFFFFF:F

@A00721:190:HGJW7DSXY:4:2101:10610:29575_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT
CTG

+

F:FFFFFFFF:FF
,FF
FFF

@A00721:190:HGJW7DSXY:4:1313:31114:3396_2:N:0:TCTGCAAG+GCTGCACT
ATAAATAATCTTTACCAGTACTCCTACTACAGGAGGAAGTATTCAGATAGTAAGAAGTTTATAAGTAA
CATATCCATTTGTTGTAATAGTTTCATAAACTTAGAACTAGAAAATCT

+

FFF,F,,FF,FF::,FF,,F,FFFF:,F:F,,F,:,,FFF,,F,,,FF,,FFFFFFFF,FFFF,,
,FFFF,,FF,F:FFFF:FFF,,,,:FF,F:FFFF::F,:,:FFF,F,F

@A00721:190:HGJW7DSXY:4:2432:23366:9925_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGG
CTTTCCGTAAAGGAAGATCTGTTATCGACGTTTATCGTTTACGAAGTATCACTCCACCGGTGAATGG
TTT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2533:17173:24596_1:N:0:TCTGCAAG+GCTGCACT
ACTTACTTAGACTTTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCC
TCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTT
TCG

+

FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1663:25816:36495_2:N:0:TCTGCAAG+GCTGCACT
CCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATT
TTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAAT

+

[illegible]

@A00721:190:HGJW7DSXY:4:2126:22652:10755_1:N:0:TCTGCAAG+GCTGCACT
TACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAA
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2122:22318:1783_1:N:0:TCTGCAAG+GCTGCACT
AACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGTAATGAGAGTGTATTCCTTAATATTCTA
GTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2246:11053:23985_1:N:0:TCTGCAAG+GCTGCACT
CTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAA
ACTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTG
AAA

+

FFFF:FFFFFFFFFFFFFFFF:F::,FFFFFFFF:FFFF,: ,FFFF,FF,FFFFFFFFFFFF:FFF:F:
FFFFFFFF:FFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1453:6596:31015_1:N:0:TCTGCAAG+GCTGCACT
CAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACCTGCCGCTTC
CCGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTTGTATAAATTTATATGATTTT
CTA

+

FFF:FFFFFFFFFFFF:FFF:FFFFFFFFFFFFF
FFF:FFFFFFFFFFFFF,FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1543:8223:30201_2:N:0:TCTGCAAG+GCTGCACT
GCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTAGGGACCCGCTGTGCAGAATAACCTTCCCAA
ATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCAC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,FF,FFFFFFFFFFFFFFFFFFFFF,F,FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFF:FF:FFFFF

@A00721:190:HGJW7DSXY:4:2646:20582:12179_1:N:0:TCTGCAAG+GCTGCACT
AACTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATAC
AGTTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGC
AAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1102:31367:30201_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGG
AAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCC
TAA

+

FFFF,:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FFFFF::FFF,FFFFFFFFFFFFFFFFFFFF:FFFFF:F
FFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2277:14561:35728_2:N:0:TCTGCAAG+GCTGCACT
GGCCAAAGAGGCCGCTGCTACGAAGTCGCTGAAGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTG
CGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1112:28212:14935_2:N:0:TCTGCAAG+GCTGCACT
CGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGT
GGGTTGAAGGCCGACGCTTCGAGCTTGAGAGATCGGAAGAGCGTCGTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1657:25889:33489_2:N:0:TCTGCAAG+GCTGCACT
TTAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGAT
AATAAGCATGTACCCCTTAAGCACCGAGAGATCGGAAGAGCGTCGTGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2220:10348:35289_1:N:0:TCTGCAAG+GCTGCACT
AAATTTTCTCTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTT
CATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAG
GA

+

:F:F,F,FFF:FF:F:,F,FFFFFF,FF,FFFF,FF,F:F:F,FFFFFFFFF:::FF:FF,::,F
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFF:FFFF:::F,:::FFFF:FFF,F:FFFF:FFFF,F
,:

@A00721:190:HGJW7DSXY:4:2440:8169:4116_1:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGA
GAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
ATT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2550:22073:31923_1:N:0:TCTGCAAG+GCTGCACT
CCTAAGGTGGATGAGGGAGTTGTTTCTTTGGAGTTTATAGATAATCTTTTGAGAAGGGGTCATAGAGC
CAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAA
GAT

+

FFFFFFFF:F:FFFFFFFF,FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1455:7789:27633_1:N:0:TCTGCAAG+GCTGCACT
ATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGT
TTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAA
GGT

+

FF:FFF:FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1602:27778:12305_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGTTGAGGAGACTTTACAGCGGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTACCCATTCTAT

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFF::
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2117:28149:6715_1:N:0:TCTGCAAG+GCTGCACT
CTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCA
CGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTG
TGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1655:30364:29590_2:N:0:TCTGCAAG+GCTGCACT
GATGATGTAGCCACTATAATGCTTAAGAGAGAGATTGATGTATGTCATTTCTGTTAGTTTGTCCCGG
CGAATTATTGGACACGATGAAAAATGACATACCCGTTCTCCTGACCTTG
+
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFF
FFFF,FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2437:15284:19789_2:N:0:TCTGCAAG+GCTGCACT
GGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCT
CGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2377:14398:34381_1:N:0:TCTGCAAG+GCTGCACT
CTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAGTAGCCGG
AGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTCAGGACGCCTACGGTGACTTTATGGACA
AGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2562:16369:8422_2:N:0:TCTGCAAG+GCTGCACT
AGAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAG
TCTTTGTACCTTCTGTCAAACCTTCGAGGTTACAGCTACGAGAGGTGATC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2234:4092:24893_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAA
+
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:F,FF,FFFFF:FFF,:FFFFFFFFFFF:FFFFF:F,:FFF:F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2456:9805:36010_1:N:0:TCTGCAAG+GCTGCACT
CAATAGCCACAGACTTTCTGGGAAAAGAGACCTCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATT
CAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTTGCACA
AGC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2339:14335:32393_1:N:0:TCTGCAAG+GCTGCACT
AGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAG
AGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCT
TTT

```


FFF:FFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2273:7771:5024_2:N:0:TCTGCAAG+GCTGCACT
TCTGCCACTTCTAATTTTAGGAAACGTGCGGAAAAGAAAGTTCATGAGGATGTCTTGTCGAAAAATA
TCGCCGGGACCTTCTAATAGAGGATCCTGATGACATTATTCAACGGA
+
FFFFFFFFFF,FFFFFF::FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF
FFFF::F,:FFFFFF,F:FFFFFFFFF::,FFFFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:1217:5231:13401_1:N:0:TCTGCAAG+GCTGCACT
AACTGTCTCCACTGATTGCGAATTAGAGAAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAAAGTGTTTCAAAA
GAC
+
FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1441:15040:30295_1:N:0:TCTGCAAG+GCTGCACT
ATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGT
TCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGG
CGG
+
FFFFFFFFF:FFF
:,FFF::FFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2545:16080:28150_2:N:0:TCTGCAAG+GCTGCACT
CAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGCAAACCTACTTCAACATCAACGACATCATTTCT
TGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGA
+
FFF
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1653:17264:35023_1:N:0:TCTGCAAG+GCTGCACT
CAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAG
GGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTCTGG
AAC
+
FFFFF::FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2535:30626:30170_1:N:0:TCTGCAAG+GCTGCACT
TACCTTTATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGT
ATACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTT
CAC
+
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1503:24370:26036_1:N:0:TCTGCAAG+GCTGCACT
CACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGGACG
ATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTC
GAA
+
FFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2330:26955:16986_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGCTATTACTCTTGCTGAAACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCT
TGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTAACG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2201:18855:8469_2:N:0:TCTGCAAG+GCTGCACT
TAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTG
AAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAG

+

FF:FFFFFFFF
FF,FFFFFFFF:FFFF:FF

@A00721:190:HGJW7DSXY:4:2264:8829:16814_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCGCTTCCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT
CTG

+

F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1434:30382:4726_2:N:0:TCTGCAAG+GCTGCACT
ATAAGAATCTTTACCAGGACTCCTACTACAGGAGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAA
CATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCT

+

FF:FFFFF:FFFFFFFFFFFFFFFF
F:FF,FFFFFFF

@A00721:190:HGJW7DSXY:4:2544:18539:29058_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGACATTTTATCGTGGG
CTTTCGTAAAGGAAGATCTGTTATCGACGGTTTATCGTTACGAAGTATCACTCCACCGGTGAATGG
TTT

+

FFF:FFFFFFFF:FFFF:FFFFFFFF:FF
FF:FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2552:21169:12320_1:N:0:TCTGCAAG+GCTGCACT
ACTTACTTAGACTTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCC
TCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTT
TCG

+

FFFFFFF:FFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1670:14271:1532_2:N:0:TCTGCAAG+GCTGCACT
CCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATT
TTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2654:23710:28275_2:N:0:TCTGCAAG+GCTGCACT
AGTGGAAAGGCTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGA
AGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCT

+

FF:FFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFF:FF:FFFFF

@A00721:190:HGJW7DSXY:4:1232:31693:29606_2:N:0:TCTGCAAG+GCTGCACT
ACATTTACCACCAAATTCCTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTT
GCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAG

+

FF:F
FF

@A00721:190:HGJW7DSXY:4:2346:11080:29637_2:N:0:TCTGCAAG+GCTGCACT
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAATGGTTTTGAATTTAGATCAACTGGGG
AGACGTGCTAAAATGGGTGATAAAAAATATTTAGAGATCTTTTCTACT

+

,F,F,:,F,F:FF,FFF,F::F:FF,:FFF,F,:,FFFFFF,,F:FFFF,F,FFFF,,FFFFFF,F:F
FFF:F:FF,,FFF:,,,F:F:F,FFF,,FFF,FF:FFFFFF:FFF:F,

@A00721:190:HGJW7DSXY:4:1432:26422:8108_2:N:0:TCTGCAAG+GCTGCACT
TTATAAAATATAAAATAAGGGAGTCATAACTTTTGTTACCAAATTCCTGGCTTTCACGAAGTCTCT
GATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTA

+

FF:F
FF

@A00721:190:HGJW7DSXY:4:1306:5086:2848_2:N:0:TCTGCAAG+GCTGCACT
CTATCTTTTCAGACACTTCTTATATTATTACAATAGTTAATATCATATTAGTAATACTCACTATCGT
TTTCTGCTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAA

+

FF:FFFFFFFFFFFF:FFF
F,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1371:31656:1892_2:N:0:TCTGCAAG+GCTGCACT
TACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTCC
GTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACC

+

FF:F
FF

@A00721:190:HGJW7DSXY:4:2306:5565:27633_2:N:0:TCTGCAAG+GCTGCACT
CTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAG
GGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAATTC

+

FF:F
FF

@A00721:190:HGJW7DSXY:4:2563:21549:7467_1:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTT
TAT

+

FF:F
FF
FFF

@A00721:190:HGJW7DSXY:4:2318:2672:28761_1:N:0:TCTGCAAG+GCTGCACT
TACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAA
CTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTA

+

FFFFFFFFFFFFFFFFFFFF,FFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2122:24605:2394_1:N:0:TCTGCAAG+GCTGCACT
AACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGT

+

@A00721:190:HGJW7DSXY:4:1678:1262:33395_2:N:0:TCTGCAAG+GCTGCACT
TTAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGAT
AATAAGCATGTCACCCCTTAAGCACCGAGAGATCGGAAGAGCGTCGTGT

 $+$

@A00721:190:HGJW7DSXY:4:2306:22697:28714_1:N:0:TCTGCAAG+GCTGCACT
AAATTTTTCCTTTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGTCTTCTT
CATGCTGATCTTTCAGGACCTACTCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAG
GA

+

@A00721:190:HGJW7DSXY:4:2538:21920:17159_1:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT

+

@A00721:190:HGJW7DSXY:4:2662:7808:22717_1:N:0:TCTGCAAG+GCTGCACT
CCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAATCTTTTGAGAAGGGGTCATAGAGC
CAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAA
GAT

+

@A00721:190:HGJW7DSXY:4:1570:26106:27226_1:N:0:TCTGCAAG+GCTGCACT
ATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGT
TTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAA
GGT

+

@A00721:190:HGJW7DSXY:4:1643:1362:28275_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT

+

@A00721:190:HGJW7DSXY:4:2265:20383:31908_1:N:0:TCTGCAAG+GCTGCACT
CTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCA
CGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTG
TGA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2328:20509:20071_2:N:0:TCTGCAAG+GCTGCACT
TCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATA
TCGCCGGGAAC TTCTAATAGAGGATCCTGATGACATTATTTCAACGGA

@A00721:190:HGJW7DSXY:4:1223:26087:20400_1:N:0:TCTGCAAG+GCTGCACT
AACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAA
GAC

@A00721:190:HGJW7DSXY:4:1676:24948:29637_1:N:0:TCTGCAAG+GCTGCACT
ATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGT
TCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG
CGG

@A00721:190:HGJW7DSXY:4:2573:22571:17190_2:N:0:TCTGCAAG+GCTGCACT
CAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCT
TGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGA

@A00721:190:HGJW7DSXY:4:2214:18738:35415_1:N:0:TCTGCAAG+GCTGCACT
CAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAG
GGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTCTGG
AAC

@A00721:190:HGJW7DSXY:4:1316:28311:10410_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTGTAAGAAGCCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTAT
ACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTCA
CAA

@A00721:190:HGJW7DSXY:4:2152:3495:9236_1:N:0:TCTGCAAG+GCTGCACT
CACTTTGATGATTTTATCACTTTATTATGACCTTGGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACG
ATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTC
GAA

[illegible]

@A00721:190:HGJW7DSXY:4:1358:27082:27477_1:N:0:TCTGCAAG+GCTGCACT
ATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCACCTTTCCTTGTGAAAATTT
TGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTA
CCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2663:10592:1579_1:N:0:TCTGCAAG+GCTGCACT
TTGATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGAC
CGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCATCGTAAGGACA
CT

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:1447:11162:14935_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2533:28402:9001_1:N:0:TCTGCAAG+GCTGCACT
CAATCATTGGTTTTTCTAATAATGATGACACTATTGTTTTTGTATTATGCTATTACTCATGATGGT
TACGGTCAGGGAGTATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATT
AC

+

F:FF,::FF,FFFF,F,F:FFF,: ,FFFF,F,F::FF:,F,:FF:F,,FF,F:F:FFFF,FFFFFF
FF,,F::FFF:F,: ,FFFFFF,FFFF,: ,:F:,FF,F,, ,FFFFFF:F,: :FF:FFFF:FF,FFFF
:,

@A00721:190:HGJW7DSXY:4:1562:13006:21793_1:N:0:TCTGCAAG+GCTGCACT
TTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGA
TTACCTGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAA
GGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1448:25654:26193_2:N:0:TCTGCAAG+GCTGCACT
TATTCTGGTGGTGTGATAATCTTGAGGTCGTGACGTTGATGAAGCTATAAGAGCGTTCTTATTACG
GCGCACTTCTTTACCCGCCACCACACAACCTTCAGTTTCACAACCTGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2344:7844:14920_1:N:0:TCTGCAAG+GCTGCACT
CTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTC
CTTTTCTGGAACGTAGTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCT
ACC

+

FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2152:2175:14372_1:N:0:TCTGCAAG+GCTGCACT
AACAGCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGAT

FF
FFF

@A00721:190:HGJW7DSXY:4:1603:1976:34194_2:N:0:TCTGCAAG+GCTGCACT
ACATTTACCACCAAATTTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTT
GCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAG

+

FFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFF,,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF,FFFF::FFFF:FFFFFFFFF,,F::FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2351:32832:24408_2:N:0:TCTGCAAG+GCTGCACT
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGG
AGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTTCTACT

+

FFF
FF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2361:2962:22592_2:N:0:TCTGCAAG+GCTGCACT
TTATAAAATATAAAATAAGGGAGTCATAACTTTTGTTACCAAATTTGGCTTTCAACGAAGTCTCT
GATTTTATTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTA

+

FFFF:FFF,FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1369:30129:28839_2:N:0:TCTGCAAG+GCTGCACT
CTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCGT
TTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAA

+

FFF:
FFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2317:1768:18865_2:N:0:TCTGCAAG+GCTGCACT
TACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCC
GTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACC

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:2643:3088:10347_2:N:0:TCTGCAAG+GCTGCACT
CTCCGAAAATGGTTTCAAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAG
GGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAATTC

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:2656:15139:8703_1:N:0:TCTGCAAG+GCTGCACT
CGACAAATTTTAGAACTTTATTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTT
TTCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTT
TAT

+

FFFFFFFFFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2320:4056:14309_1:N:0:TCTGCAAG+GCTGCACT
TACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAA
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2207:21603:2957_1:N:0:TCTGCAAG+GCTGCACT
AACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTTACATTTTAAATGGT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTA
GTA

+

FFFFFFFF:FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2305:6732:17253_1:N:0:TCTGCAAG+GCTGCACT
CTAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAA
ACTCCATTGTATAGTTCAAGGAGTACTTAATTCATAGCTTTAGTATTATTACTATCGCCTTTATTG
AAA

+

FFF:FF:FF,F:
:FFFF,FFFFFFFF:FFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2457:17969:34616_1:N:0:TCTGCAAG+GCTGCACT
CAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATGAAGTCCGCTTC
CCGAAGAAACGATCTATTTACAGAGTATTAGAGTAGTCCAAAGTTGTATAAATTTATATGATTTT
CTA

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1562:12274:11036_2:N:0:TCTGCAAG+GCTGCACT
GCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTTCCCAA
ATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCAC

+

FF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2132:9317:4476_1:N:0:TCTGCAAG+GCTGCACT
CTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAG
TTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGAA
GAA

+

:FFFFFF,FFFFFF:F:FFFFFFFF:FFF:FFF,FFF:FFFFFF,FFF:, :FFFFFF,FFFFFF
FFF,FFFFFFFFFFFFFFFF,FF,FF:FFFFFF:FFF,,FFFFFFFF,FFF:FF:FFF:FFFFFF
::F

@A00721:190:HGJW7DSXY:4:1272:17978:15749_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGG
AAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCC
TAA

+

:FFFF:FF
FF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1267:19623:31093_1:N:0:TCTGCAAG+GCTGCACT
CAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGCTTGGGTATTAAGGGTAGCTGTAAAGTTGCGC
CTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCCTACTATGAGCAAATCTGTT
GAA

+

FF
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1255:30327:18192_2:N:0:TCTGCAAG+GCTGCACT
CGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGT
GGGTTGAAGGCCGACGCTTCGAGCTTGAGAGATCGGAAGAGCGTCGTG

@A00721:190:HGJW7DSXY:4:2153:24008:9126_2:N:0:TCTGCAAG+GCTGCACT
TTAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGAT
AATAAGCATGTCACCCTTAAGCACCGAGAGATCGGAAGAGCGTCGTGT

@A00721:190:HGJW7DSXY:4:1450:24858:17550_2:N:0:TCTGCAAG+GCTGCACT
ATTTTTCCTTTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCA
TGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGAGA

@A00721:190:HGJW7DSXY:4:2553:19407:36135_1:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT

@A00721:190:HGJW7DSXY:4:1601:5782:3834_2:N:0:TCTGCAAG+GCTGCACT
AAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAG
CAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAG

@A00721:190:HGJW7DSXY:4:2321:25870:1454_1:N:0:TCTGCAAG+GCTGCACT
ATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCACTACTCCGATCAGATCCGGATGGT
TTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAA
GGT

@A00721:190:HGJW7DSXY:4:2161:4752:4648_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT

@A00721:190:HGJW7DSXY:4:2267:11279:22780_1:N:0:TCTGCAAG+GCTGCACT
 CTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCA
 CGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTG
 TGA

@A00721:190:HGJW7DSXY:4:2367:9968:18098_2:N:0:TCTGCAAG+GCTGCACT
TCATTTCTGCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACC
TTGGTATCGTTATCCGTCATGGAGATGATGCCGCATCACTTGATTACT

+

FF:FF
FF

@A00721:190:HGJW7DSXY:4:2146:14751:36025_1:N:0:TCTGCAAG+GCTGCACT
GGTCAATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCT
CGGGGAAAGTGATTACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTA
CTC

+

:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FF: :FFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2511:11659:16047_1:N:0:TCTGCAAG+GCTGCACT
ACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACGGTGACTTTAT
GGACAAGATGCAAGTTCTTGGGAAATACTGTTTCCCTTTTATAGTTTAGTAGGTGATCTTGACGTCG
AT

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:1503:17418:14622_1:N:0:TCTGCAAG+GCTGCACT
GAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGT
CTTTGTACCTTCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTG
GCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2370:8504:23109_1:N:0:TCTGCAAG+GCTGCACT
TTGGGTTGAGAAGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC
TTAAAGAAAAATTTTCGAATAAATAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTT
ACG

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2430:31638:5212_1:N:0:TCTGCAAG+GCTGCACT
TCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGT
TAGGGAGTGGCTAGGTTTTAAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGA
GTT

+

FFFFFFFFFFFFFF:FF:FFFFFFFFF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2339:14778:33035_1:N:0:TCTGCAAG+GCTGCACT
AGGACTGATGGTGAGATTCTTTTACCTTTGGTGGTCCAGGATCCTTTACTCCTAGTGTCTTTTCTAG
AGTCCTAGGTCGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAAACTCTATTGAATCCCT
TTT

+

FFF,,F::F,FFFFF,FF:FF:F,,F,FFFFF,:FF::FF:F,:FFFF,:F,,:,FFFFFFFFF,F,F
FFFF,,:F:, ,FF,F,FFF,,FF,FF,,FFFF:,FFFFFF,,:FF,FFF,, ,FF::F:F:FF:,F,,F
FF,

@A00721:190:HGJW7DSXY:4:2560:13376:3834_2:N:0:TCTGCAAG+GCTGCACT
TCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATA
TCGCCGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGA

+

FF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1229:10637:22858_1:N:0:TCTGCAAG+GCTGCACT
AACTGTCTCCACTGATTCTGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTT
CAGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAAAGTGTTTCAAAA
GAC

+

F:FFFF:FF,:F:FFFF,F:FFF,FFFF::FF,:FF,FFFFFFFF,FFFFFFFFFFFFFFFFFFFF,FF:F
FFFFFFFF:FF,FFFFFFFFFFFFFFFFF:,FFFF:FFF:FFFF:FF,FFFFFFFF:FFFFFFFFFFFFFFFF
,FF

@A00721:190:HGJW7DSXY:4:2139:15040:32737_1:N:0:TCTGCAAG+GCTGCACT
ATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGT
TCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG
CGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2655:3694:14747_2:N:0:TCTGCAAG+GCTGCACT
CAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTACTTCAACATCAACGACATCATTCT
TGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGA

+

FFFFFFFFFFF:FFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2631:1687:30154_1:N:0:TCTGCAAG+GCTGCACT
CAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAG
GGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGG
AAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2134:27227:9251_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTAT
ACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCA
CAA

+

FF
FFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2218:9399:30076_1:N:0:TCTGCAAG+GCTGCACT
CACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGGACG
ATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGACAATGGTTTC
GAA

+

F,FFFF,FF:FFF:FFFFFF,FFF,FFF:FFF:,F,FFFFFFFF:FFF:FFFFFF::FFF::F
FFF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFF,F:F:FFFF:FFFFFFFF:FFF:FF:FF::FFFF
FFF

@A00721:190:HGJW7DSXY:4:1427:20726:24768_1:N:0:TCTGCAAG+GCTGCACT
ATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTT

TGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1678:8766:21277_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGAC
CGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACA
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1449:15483:13620_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTCTGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCAATGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1153:4399:5729_1:N:0:TCTGCAAG+GCTGCACT
AATCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTT
ACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTA
CCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2207:6234:12821_1:N:0:TCTGCAAG+GCTGCACT
TTTCAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGA
TTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAA
GGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1112:30400:33285_2:N:0:TCTGCAAG+GCTGCACT
CGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACCTTCAG
TTTCACAACCTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2418:16116:36886_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTGTGAAATTAACGCGTCCTTTTCTGGAACGTAGTTTTAC
TATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTACCCTGATTCCGGCCGGTGGTA
GCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1270:17824:28479_2:N:0:TCTGCAAG+GCTGCACT
GCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGC
ACTCTTTTCTGCTACTTTAACGGAGAGATCGGAAGAGCGTCGTGTAGG

+

@A00721:190:HGJW7DSXY:4:2309:11831:16877_2:N:0:TCTGCAAG+GCTGCACT
TAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTG
AAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAG

@A00721:190:HGJW7DSXY:4:2360:8730:27289_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT
CTG

@A00721:190:HGJW7DSXY:4:1671:29017:17206_2:N:0:TCTGCAAG+GCTGCACT
ATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAA
CATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCT

@A00721:190:HGJW7DSXY:4:2246:20193:9345_1:N:0:TCTGCAAG+GCTGCACT
TGGACTCTTCGATAGGGGACATTTTATCGTGGGCTTTCCGTAAAGGAAGATCTGTTATCGACGGTTTA
TCGTTTACGAAGTATCACTCCACCGGTGAATGGTTTAAGAATACTATAAATAGAATAGCTATTACTAC
TAA

@A00721:190:HGJW7DSXY:4:1133:18105:17127_1:N:0:TCTGCAAG+GCTGCACT
TTACTTAGACTTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTC
TCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTC
GTC

@A00721:190:HGJW7DSXY:4:2301:6334:31062_2:N:0:TCTGCAAG+GCTGCACT
CCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATT
TTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAAT

@A00721:190:HGJW7DSXY:4:1666:16116:7106_1:N:0:TCTGCAAG+GCTGCACT
CTCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTT
TTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTC
GAA

@A00721:190:HGJW7DSXY:4:1674:24153:29262_2:N:0:TCTGCAAG+GCTGCACT
ACATTTACCACCAAATTCCTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTT

+

+

+

+

+

+

+

 $+$

@A00721:190:HGJW7DSXY:4:2227:26033:14888_1:N:0:TCTGCAAG+GCTGCACT
AACGATTCTTAGACGATATTAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTTAATGGT
ATTGTATAATGTGTCTTAAAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTA
GTA

+
:FF:FF:,F,,FF,,FFFFFFF:FFF:FFF:FF:FF,::,FFFF,F,FFF,::FF,:F:FFFFFFF,:F
FF,FF,FF:F:F,FFFFFF,FFF:,FFF,,FF,F:FFF,FFF,FFFFFFFFFFFF:F:F,F:FFFFFF:FF
FF:

@A00721:190:HGJW7DSXY:4:1428:32027:25582_2:N:0:TCTGCAAG+GCTGCACT
TAGGATTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAAA
CTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTA

+
FF,FF:FFF:FFFF:FFFFFFF,F:FFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2609:28402:35336_2:N:0:TCTGCAAG+GCTGCACT
TTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATT
GAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTCCCGGAAGAAACGA

+
:FFF:FFFFFFF
FFFFFFF::F:FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1642:30300:26757_2:N:0:TCTGCAAG+GCTGCACT
GCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAGGGACCCGCTGTGCAGAATAACCTTCCCAA
ATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCAC

+
FFF:
FFF

@A00721:190:HGJW7DSXY:4:2165:30807:30013_1:N:0:TCTGCAAG+GCTGCACT
CTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAG
TTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTAAGCCTTCCCCTCCGCTGGCACGAA
GAA

+
FFFFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1413:14651:33348_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGG
AAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCC
TAA

+
FFF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1374:17987:1047_1:N:0:TCTGCAAG+GCTGCACT
CAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGCTTGGGTATTAAGGGTAGCTGTAAAGTTGCGC
CTGCCGACCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTT
GAA

+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF,:FFFFFFFFFFF:FFF:
FFF:FFFFFFF:F:FFFFFFFFF:FFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:1441:30563:16157_2:N:0:TCTGCAAG+GCTGCACT
CGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGT
GGGTTGAAGGCCGACGCTTCGAGCTTGAGAGATCGGAAGAGCGTCGTG

+
FFFF:FFFFFFF:FFF:FFFFFFFFFFFF:FFFFFF:,FF
FFFFFFFFF:F:FF:FFFF:FFFFFFFFFFF:FFFFFFFFFFFFF,,F

@A00721:190:HGJW7DSXY:4:2153:24252:9486_2:N:0:TCTGCAAG+GCTGCACT
TTAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGAT

+

@A00721:190:HGJW7DSXY:4:2175:2456:30295_2:N:0:TCTGCAAG+GCTGCACT
ATTTTTCCTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCA
TGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGAGA

+

@A00721:190:HGJW7DSXY:4:2558:14362:29622_1:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT

+

@A00721:190:HGJW7DSXY:4:2262:1886:17159_2:N:0:TCTGCAAG+GCTGCACT
AAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAG
CAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAG

+

@A00721:190:HGJW7DSXY:4:2366:17788:3834_1:N:0:TCTGCAAG+GCTGCACT
ATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGT
TTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAA
GGT

+

@A00721:190:HGJW7DSXY:4:2209:17128:2127_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT

+

@A00721:190:HGJW7DSXY:4:2267:11351:24064_1:N:0:TCTGCAAG+GCTGCACT
CTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCA
CGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTG
TGA

+

@A00721:190:HGJW7DSXY:4:2553:18484:25614_2:N:0:TCTGCAAG+GCTGCACT
TCATTTCTGCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACC
TTGGTATCGTTATCCGTCATGGAGATGATGGCGCATCAGATCGGAAGA

+

@A00721:190:HGJW7DSXY:4:1171:6117:29997_2:N:0:TCTGCAAG+GCTGCACT
ATGACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGG

+

@A00721:190:HGJW7DSXY:4:2558:22046:9017_1:N:0:TCTGCAAG+GCTGCACT
CTCGTTATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGCAAACCTTAACGTTAGTACCGG
AGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACGGTGACTTTATGGACA
AGA

+

@A00721:190:HGJW7DSXY:4:1520:11279:36683_1:N:0:TCTGCAAG+GCTGCACT
GAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAACCAAGTTAAGAAGGAGGCTGATCATGGAGT
CTTTGTACCTTCTGTCAAACCTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTG
GCT

+

@A00721:190:HGJW7DSXY:4:2517:25527:14857_1:N:0:TCTGCAAG+GCTGCACT
TTGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC
TTAAAGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTT
ACG

+

@A00721:190:HGJW7DSXY:4:2458:17761:36824_1:N:0:TCTGCAAG+GCTGCACT
TCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGT
TAGGGAGTGGCTAGGTTTTAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATTACCCAGA
GTT

 $+$

@A00721:190:HGJW7DSXY:4:2524:29884:32049_1:N:0:TCTGCAAG+GCTGCACT
AGGACTGATGGTGAGATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAG
AGTCCAAGGACGTTTCCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCT
TTT

+

@A00721:190:HGJW7DSXY:4:2671:28022:24627_2:N:0:TCTGCAAG+GCTGCACT
TCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATA
TCGCCGGGAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGGA

+

@A00721:190:HGJW7DSXY:4:1229:9815:21277_1:N:0:TCTGCAAG+GCTGCACT
AACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAAAGTGTTCAAAA
GAC

+
FFF,FF:FFFFFFFF:FFFF:FFFF:FFFF:FFFFFFFF:FFFF::FFFFFFFFFFFFFFFF:FFFF
FFFFFFFF:FF:FFFFFF:FFFFF:,
FFF

@A00721:190:HGJW7DSXY:4:2304:10728:1658_1:N:0:TCTGCAAG+GCTGCACT
ATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGT
TCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG
CGG

+
FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2139:18945:32174_1:N:0:TCTGCAAG+GCTGCACT
TTCAGACGTGTGCTCTTCCGATCTAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTTC
TTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAA
AA

+
FF
FF
FF

@A00721:190:HGJW7DSXY:4:2677:7319:5838_1:N:0:TCTGCAAG+GCTGCACT
CAACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAG
GGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGG
AAC

+
FF:FFFFF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2211:14226:32424_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCTTTAGCTGTATCATCAGTCAGAGTAT
ACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCA
CAA

+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2218:9408:30123_1:N:0:TCTGCAAG+GCTGCACT
CACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTGCTGGGGACG
ATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTGGACAATGGTTTC
GAA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2465:14190:12821_1:N:0:TCTGCAAG+GCTGCACT
ATTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTT
TGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTA
CCT

+
FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1274:4426:21371_1:N:0:TCTGCAAG+GCTGCACT
GATTAAGACTCTTCCGAAAGGCGAACTTTGGAATTTGAAGCTCAGGGTGAAGCACAAACGTTTGACCG

@A00721:190:HGJW7DSXY:4:2445:13150:15906_1:N:0:TCTGCAAG+GCTGCACT
AATCTTACCCTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTGCTTCCTCCTTTAATGGCAC
TACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTT
CTG

+

F:FFFFFFFF:FFFFFFFF,F:FFF
:FFF
FFF

@A00721:190:HGJW7DSXY:4:2166:6117:14090_2:N:0:TCTGCAAG+GCTGCACT
ATAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAA
CATATCCATTTGTTGTAATAGGTCATCAACTTAGAACTCGAACTCT

+

FFFF,FFF
FFFFF::FF:FFF
F:FF:FF:FF:F

@A00721:190:HGJW7DSXY:4:1169:2365:13260_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCGATAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGT
TTACGAAGTATCACTCCACCGGTGAATGGTTTAAGAATACTATAAATAGAATAGCTATTACTACTAAT
GGC

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1244:30192:29450_1:N:0:TCTGCAAG+GCTGCACT
TACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTC
TCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTC
GTC

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2432:25192:22200_2:N:0:TCTGCAAG+GCTGCACT
CCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATT
TTCTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAAT

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:2105:3866:22936_1:N:0:TCTGCAAG+GCTGCACT
CTCCAGTCAACACTAGTTCGAGTGCTGCTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTT
TTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTACCCAAAATGAAGGACACTTC
GAA

+

FF,FFFFFFFF,FFF:FFFFF:FFF,FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2340:24831:17002_2:N:0:TCTGCAAG+GCTGCACT
ACATTTACCACCAAATCTTTTGATACAACCTTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTT
GCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAG

+

FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2459:4743:33004_2:N:0:TCTGCAAG+GCTGCACT
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCAATCAAAGGTTTTGAATTTAGCTCAACTGGGG
AGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTTCTACT

+

FFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFF::F:FFFFFFFFFFFFFF::FFF,FFFF
FFFFFFFF,FFFFFFFF:FFF,:F,FFFFFF:FF:F,FFF:FF:FFFFFF,,F
@A00721:190:HGJW7DSXY:4:1203:27796:27868_2:N:0:TCTGCAAG+GCTGCACT
ATATAAAAATAAGGGAGTCATAACTTTTGTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTA
TTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2648:32353:6386_2:N:0:TCTGCAAG+GCTGCACT
CTATCTTTTCAGACACTTCTTATATTATTACAATAGTTAATATCATATTAGTAATACTCACTATCGT
TTTCTGCTTTTTCTTAGCTAATAGATTAATAAAGGATGAGTACGAAAA
+
FFFFFFFFFFFFFFF:FFFFFFFFF:FFF:F
FF
@A00721:190:HGJW7DSXY:4:2358:25382:29136_2:N:0:TCTGCAAG+GCTGCACT
TACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCC
GTCCTGAACGTAATACACGAAGAGATCATCCGCAACGACTCGAAACC
+
FF
FF:F
@A00721:190:HGJW7DSXY:4:1342:28763:35274_2:N:0:TCTGCAAG+GCTGCACT
TCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTTATCCGATTCTTCGAGGGTATCACTACCAC
TGATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATA
+
FF
:FF
@A00721:190:HGJW7DSXY:4:2528:31232:8265_1:N:0:TCTGCAAG+GCTGCACT
GACAAATTTTAGAACTTTATTTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
AT
+
:FF:FF,FFFFFFF
FFF
FF
@A00721:190:HGJW7DSXY:4:2362:15456:29543_1:N:0:TCTGCAAG+GCTGCACT
TACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAA
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTA
+
FFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2254:3992:5807_1:N:0:TCTGCAAG+GCTGCACT
AACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTTAATGGT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTCTTAATATTCTA
GTA
+
:FFFFFFFFF:FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1626:4237:27618_2:N:0:TCTGCAAG+GCTGCACT
TAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAAA
CTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTA
+

FFF:FFF
 FF
 @A00721:190:HGJW7DSXY:4:1172:2130:3521_1:N:0:TCTGCAAG+GCTGCACT
 ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAA
 GCTAGGCGTTGGGGAGAATGAAGTCCCGCTTCCCAGGAAGAACGATCTATTACAGAGTATTAGAGT
 AGT
 +
 FFFFFFFFFFFFFFFFFF:FFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
 FF
 FFF
 @A00721:190:HGJW7DSXY:4:2143:4535:23093_2:N:0:TCTGCAAG+GCTGCACT
 GCCGGTCGGCAGATCGGCACCCTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTTCCCAA
 ATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCAC
 +
 FF
 FF
 @A00721:190:HGJW7DSXY:4:2267:10547:6042_1:N:0:TCTGCAAG+GCTGCACT
 CTGAGGCAGTACCTCAGTCAAAAGTCACATTCACCCTCCCATACCAATCAATGATGTGACTATACAG
 TTCGCCATTTCAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAA
 GAA
 +
 FF
 FF
 FFF
 @A00721:190:HGJW7DSXY:4:1507:12952:19789_1:N:0:TCTGCAAG+GCTGCACT
 AATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGG
 AAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCC
 TAA
 +
 FFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFF
 FFF:FFFFFFFFFFFFFFFFFFFF::FF:FFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:1418:4209:4899_1:N:0:TCTGCAAG+GCTGCACT
 CAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGC
 CTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTATGAGCAAATCTGTT
 GAA
 +
 FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
 FFF
 @A00721:190:HGJW7DSXY:4:2225:3748:2785_2:N:0:TCTGCAAG+GCTGCACT
 CGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGT
 GGGTTGAAGGCCGACGCTTCGAGCTTGAGAGATCGGAAGAGCGTCGTG
 +
 FFFFFFFFFFFFFFFF,FF:FFFFFFFFF:FFFFF
 FF
 @A00721:190:HGJW7DSXY:4:2354:30635:10833_2:N:0:TCTGCAAG+GCTGCACT
 TTAATATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGAT
 AATAAGCATGTCACCCTTAAGCACCGAGAGATCGGAAGAGCGTCGTG
 +
 FF
 FF
 @A00721:190:HGJW7DSXY:4:2340:14516:16141_2:N:0:TCTGCAAG+GCTGCACT
 ATTTTTCTTTCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCA

TGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTC
+
FFFFFFFFFFFFFFFFFFFFFFFF,FF
FF
@A00721:190:HGJW7DSXY:4:2569:26738:11005_1:N:0:TCTGCAAG+GCTGCACT
TCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT
+
FF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2330:31982:36871_2:N:0:TCTGCAAG+GCTGCACT
AAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAG
CAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAG
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFF:FFFF
@A00721:190:HGJW7DSXY:4:2601:31891:18897_1:N:0:TCTGCAAG+GCTGCACT
ATATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCACTACTCCGATCAGATCCGGATGGT
TTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAA
GGT
+
F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2275:4571:4961_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT
+
FF:FFF:FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2449:17698:29011_1:N:0:TCTGCAAG+GCTGCACT
CTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCA
CGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTG
TGA
+
FFFFFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFF:FFFFFF:F::FFFFFFFFFFFF:,FF:FFFFFFFFFFFF,FFFFFF:FF:FFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2653:32289:1517_2:N:0:TCTGCAAG+GCTGCACT
TCATTTCTGCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACC
TTGGTATCGTTATCCGTCATGGAGATGATGCCGCATCACTTGATTACT
+
FFF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1503:22046:29997_2:N:0:TCTGCAAG+GCTGCACT
ACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAA
GTGATTACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1475:29930:4194_2:N:0:TCTGCAAG+GCTGCACT
ATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGGAGGTGA

TCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTTCAGGACGCCTACGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2567:6135:23797_1:N:0:TCTGCAAG+GCTGCACT
GAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAACCAAGTTAAGAAGGAGGCTGATCATGGAGT
CTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCCGATGTGGATTGAAGGCTG
GCT

+

FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2644:11749:11130_1:N:0:TCTGCAAG+GCTGCACT
TTGGGTTGAGAAGTGTGCTTTACATGGAGTTAGTCTCTTATTCAAGTTTTTAGATATTATTGATAATC
TTAAAGAAAAATTTTAGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTT
ACG

+

FF,FFFF,,:,FFFFFFFFF,F,,FF,FF,F:,,F,,,,,FFFFFFFF:F,,:FF,FF:FFFF:F:F,
FFF,:F,,FF::FFF,F,,,F:F:F,,FF,F:::,:::F,FFFF,FF,FF,FF:F,:F,F::,FFF
::,

@A00721:190:HGJW7DSXY:4:2570:14588:29700_1:N:0:TCTGCAAG+GCTGCACT
TCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGT
TAGGGGGTGGCTAGGTTTTAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATTACCCAGA
GTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1567:15402:16266_1:N:0:TCTGCAAG+GCTGCACT
ATTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTT
CCGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAG
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2671:29405:25363_2:N:0:TCTGCAAG+GCTGCACT
TCTGCCACTTCTAATTTTAGGAAACGTGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATA
TCGCCGGAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGGA

+

FF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1352:13422:28213_1:N:0:TCTGCAAG+GCTGCACT
AACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAA
GAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2519:15474:36245_1:N:0:TCTGCAAG+GCTGCACT
ATGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGT
TCTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG
CGG

+
FFFFFFFFFFFFFFFFFFFF,FF,FFFFFFFF:FFFFFFFF:F,F,F:FFFF::F,FFFFFFFF
F,FFFFFFFF:,FFFFFFFF:F:FFFF::F::F:FFFFFF,FFFFFFFFFFFF:FF:FFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:1261:7437:3286_1:N:0:TCTGCAAG+GCTGCACT
AATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTGTT
TTATCGAAGTCTCAGTTATCGCTGCCCCGCCGACGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAA
AAA

+
F:F:,FFFFF,FFFFFFFFFFFF,:FF,:F,FF,:F:FF::,:F,FFF,FF:FFFFFFFF,FFFFFFFF,
FF:FF,FF:FFFFFFFF:F:FFFFFFFF:F:FFFFFF:FFFFFFFFFFFF:FFFF,:FFFF:,
F,:

@A00721:190:HGJW7DSXY:4:1105:8250:4476_1:N:0:TCTGCAAG+GCTGCACT
AACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGG
GTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGA
ACC

+
FFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2440:21187:11788_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCTTTAGCTGTATCATCAGTCAGAGTAT
ACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCA
CAA

+
FFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2341:18701:16470_1:N:0:TCTGCAAG+GCTGCACT
CACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTGCTGGGGACG
ATTCCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGACAATGGTTTC
GAA

+
FFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1263:3902:25254_1:N:0:TCTGCAAG+GCTGCACT
TTCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTAATAATTT
GATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCATCCTGTAC
CT

+
FFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1334:25672:17926_1:N:0:TCTGCAAG+GCTGCACT
GATTAAGACTCTTCCGAAAGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCG
TGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACT
ACC

+
FFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1616:2311:36652_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTCAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT

$+$

@A00721:190:HGJW7DSXY:4:2147:15311:20275_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2622:26594:11976_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1445:21441:31360 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2448:30481:7467 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1655:1904:17347 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2317:31150:19179 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2457:12870:25254 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2230:24578:4507_2:N:0:TCTGCAAG+GCTGCACT
ATAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAA
CATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCT

+

FFFFFFFFFFFFFFFF:FF:FF
FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1177:5873:36432_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCGATAGGGGACATTTTATCGTGGGCTTTCGTAAAGGAAGATCTGTTATCGACGGTTTATCGT
TTACGAAAGTATCACTCCACCGGTGAATGGTTTAAAGAATACTATAAATAGAATAGCTATTACTACTAAT
GGC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1536:16830:11757_1:N:0:TCTGCAAG+GCTGCACT
TTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTC
TCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTC
GTC

+

FF
FF:F:FFFFFFFFFFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:1270:30445:35681_1:N:0:TCTGCAAG+GCTGCACT
AGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTT
CTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTGATAG
CTT

+

FF
FF:FF:F:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1362:31403:9815_1:N:0:TCTGCAAG+GCTGCACT
TCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTT
TTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCG
AAA

+

:FF:FF:
FF:FF:F:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2469:24641:3396_2:N:0:TCTGCAAG+GCTGCACT
ACATTTACCACCAAATTCTTTTGATACAACCTTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTT
GCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAG

+

FF
FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2459:5385:32957_2:N:0:TCTGCAAG+GCTGCACT
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGG
AGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTCTACT

+

FF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2315:30445:2425_2:N:0:TCTGCAAG+GCTGCACT
ATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATTTCTTGCTTTCAACTAAGTCTCTGATTTTA
TTAATCATTAATTTAACTATCTCTCGGTCATTTACTCTGTACTTGATC

+

FFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF,F,F:FFFF,FFFFFF:F,FFFF,FF:F,FFFF
FFFFFFFFF,F:FFF:,FF:FFFF,FF:,FFFF,FF:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2624:10583:2816_2:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTG

+

FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F:FFF:FFFF
FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2506:13847:27070_1:N:0:TCTGCAAG+GCTGCACT
CCCCCACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGC
CTTTACTCATTTT

+

F:,,, :FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1378:1642:12759_2:N:0:TCTGCAAG+GCTGCACT
TCAAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCAC
TGATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATA

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1410:15619:25692_1:N:0:TCTGCAAG+GCTGCACT
GACAAATTTTAGAACTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATC

+

FFF,FFFFFFFFFFFFFFFF:F:FF:FFFF,FFFF:F,FFFFFFFFFFFF:FF,FFFFFF:FF:
F:F:FF::FFFF,FFFF:FFFFFFFFFFFFFFFF:F,:F::FFFF,:FFFFFFFF:FFF::FF
FFF
@A00721:190:HGJW7DSXY:4:2467:4815:8797_1:N:0:TCTGCAAG+GCTGCACT
TACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTATACTTTAAATAGCACCGATTATAA
CTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTA

+

FFFFFFFFFFFFFFFF,FF
FFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2513:10357:28635_1:N:0:TCTGCAAG+GCTGCACT
AACGATTCTTCGACTATATTAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTCCTTAATATTCTA
GTA

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2577:25455:31078_2:N:0:TCTGCAAG+GCTGCACT
TAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAAA
CTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTA

+

FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFF:FFFFFFFFFFFFFFFFFFFF:FF,FF,FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1255:27308:22670_1:N:0:TCTGCAAG+GCTGCACT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAA
GCTAGGCGTTGGGGAGAATGAAGTCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTAGAGT
AGT

GAAGGCTCTAGAGAAGATCTCACACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT

+

F,F,FF:FFF:FF,FFFF,,,:FF,F,FFF:FFFFFFFF,FFFFFF::F:FF,FFFFFF,FFFF:FFF
:FF,FFFFFFFFFFFF,,:FFFF,FFF,FFFF,FFFF,FFFFFFFF:FF:FFFF,FFFFFFFFFFFFF,:F
FFF

@A00721:190:HGJW7DSXY:4:2518:24487:31469_2:N:0:TCTGCAAG+GCTGCACT
AAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAATCTTTTGAGAAGGGGTCATAGAGCCAG
CAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2667:5339:13870_1:N:0:TCTGCAAG+GCTGCACT
ATATTGTTCCCTCCGGGAAGTTGTGGGATTTAACTTTGACTCACTACTCCGATCAGATCCGGATGGT
TTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAA
GGT

+

FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2372:20437:20353_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGTTGAGGAGACTTTACAGCGGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT

+

FF
FFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2549:2040:10567_1:N:0:TCTGCAAG+GCTGCACT
CTATTCTTGATGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCA
CGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTG
TGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2467:16776:32863_2:N:0:TCTGCAAG+GCTGCACT
CATTTCTGCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCT
TGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2516:24415:5384_2:N:0:TCTGCAAG+GCTGCACT
ACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGTATTGTCATCTCGGGGACA
TTGATTAACCAAGATGTTTCATATAGATACTAGAAACATAGACAAGGTC

+

FFFF,,F:FFF:FF,FF,F,F,F:F:,:FF,:FFFFFFFFFFFF,F,F,FFF:,FF,FFFFFF,F,F
,,,FF,,FFFFFFFF,FFFF,F,F:FF:,F,,:FF:,F,F,,:FFFF

@A00721:190:HGJW7DSXY:4:2332:18358:13620_2:N:0:TCTGCAAG+GCTGCACT
ATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGGAGGTGA
TCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTAGGACGCCTACGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2658:30228:22404_1:N:0:TCTGCAAG+GCTGCACT
GAACACGTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGT

CTTTGTACCTTCTGTCAAACCTTCGAGGTTACAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTG
GCT

```
:FF::FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFF:FF,FFFF  
FFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF
```

+

```
FFF,Ffff:Ffffffffffffffff:fFFFF,: ,ffff:F:,FFFFFFFFFFFFFFFFFFFFFFF#FFFFF  
FFFFFFFFFFFFFFFFFF:fFFFF:FFFFFFFF:FfFF
```

+

[illegible]

+

```

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF:F:F:FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

+

[illegible]

+

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

 $+$ [illegible]

+
FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1354:30472:1313_1:N:0:TCTGCAAG+GCTGCACT
AACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGG
GTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCCTAGAAGAGGTTATTCCTGGA
ACC
+
FFFF:FFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2525:24840:21308_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTAT
ACCCGATAGGGTACCGAGTCTCCAAGAGAATATTTATTGTTATGAGGCTCGAACTTCAACGTTTTCA
CAA
+
FF:
FF
FFF
@A00721:190:HGJW7DSXY:4:2634:26494:33035_1:N:0:TCTGCAAG+GCTGCACT
CACTTTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGGACG
ATTCCATTCTGTTTTCAAAGACTCCAATACTGATCATTCTGATCATATGATTTTGGACAATGGTTTC
GAA
+
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1365:5638:32174_2:N:0:TCTGCAAG+GCTGCACT
TCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTG
ATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1341:29288:15702_1:N:0:TCTGCAAG+GCTGCACT
GATTAAGACTCTTCCGAAAGGCCGAACCTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCG
TGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACT
ACC
+
FFFFFFFFFFFFFFFFFFFFFFF,FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1642:27850:36761_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAA
+
FFFFFFFFFF:FFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF,FFFFF::FF
@A00721:190:HGJW7DSXY:4:2205:23276:18098_1:N:0:TCTGCAAG+GCTGCACT
AATCATTGGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTT
ACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTA
CCC
+
FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFF

FF
FFF

@A00721:190:HGJW7DSXY:4:2243:14931:25003_1:N:0:TCTGCAAG+GCTGCACT
AGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTT
CTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTGATAGAG
CTT

+
FF
FF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1364:4779:29121_1:N:0:TCTGCAAG+GCTGCACT
TCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTT
TTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCG
AAA

+
F:FFFFFFFF:FF:F:FFFFFF,FFFFFFFFFFFFFFFF:F
FFF:FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:
FFF

@A00721:190:HGJW7DSXY:4:2477:6198:8155_2:N:0:TCTGCAAG+GCTGCACT
ACATTTACCACCAAATCTTTTGATACAACCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTT
GCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAG

+
FF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FF::FFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:2472:12373:34820_2:N:0:TCTGCAAG+GCTGCACT
CAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGG
AGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTTCTACT

+
FF:FFFFFFFFFFFF
FF:FFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2503:7193:4648_2:N:0:TCTGCAAG+GCTGCACT
ATATAAAAATAAGGGAGTCATAACTTTTGTTACCAAATCTTGTCTTTCAACGAAGTCTCTGATTTTA
TTAATCATTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATC

+
FFFFFFFFFFFF::F:F,FFFFFFFF,F::FFF,FF:FFFFFF,:FFF:FF::FF:F:FF:FFFF:FF
,FFFFFFFFFFFF,FFF,FF:FFF,F:FFFF:FF:F:F:FFFFFFFF,

@A00721:190:HGJW7DSXY:4:2630:25599:36558_2:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACCCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTG

+
FFF:FF,FFFFFFF
FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1508:30915:5650_1:N:0:TCTGCAAG+GCTGCACT
CCCCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGC
CTTTACTCATTTTATA

+
F:, ,F,FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1652:10285:33144_2:N:0:TCTGCAAG+GCTGCACT
TCAAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCAC
TGATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATA

+
FF
FF

@A00721:190:HGJW7DSXY:4:1570:6795:13917_1:N:0:TCTGCAAG+GCTGCACT
CAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGC
CTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTT
GAA

@A00721:190:HGJW7DSXY:4:2330:30734:11162_2:N:0:TCTGCAAG+GCTGCACT
CGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGT
GGGTTGAAGGCCGACGCTTCGAGCTTGAGAGATCGGAAGAGCGTCGTG

@A00721:190:HGJW7DSXY:4:1214:4001:14967_2:N:0:TCTGCAAG+GCTGCACT
TAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCACCCTTAAGCACCAGGTAAGCTCGGGACTTACAAGA

@A00721:190:HGJW7DSXY:4:2556:16649:5055_2:N:0:TCTGCAAG+GCTGCACT
ATTTTTCCTTTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCA
TGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGAGA

@A00721:190:HGJW7DSXY:4:1415:18593:29966_1:N:0:TCTGCAAG+GCTGCACT
GAGTTCAGACGTGTGCTCTTCCGATCTCTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT

@A00721:190:HGJW7DSXY:4:2601:25834:9251_2:N:0:TCTGCAAG+GCTGCACT
AAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAG
CAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAG

@A00721:190:HGJW7DSXY:4:1161:3983:5008_1:N:0:TCTGCAAG+GCTGCACT
TATTGTTCTTCCGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTT
TGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAG
GTG

@A00721:190:HGJW7DSXY:4:2421:27624:35775_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT

FFFF:FF:FFFF:FFFFF
FF
@A00721:190:HGJW7DSXY:4:1664:24044:35055_2:N:0:TCTGCAAG+GCTGCACT
TGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCA
TGAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACG
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF
FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1107:27163:21386_1:N:0:TCTGCAAG+GCTGCACT
CATTTTCGTCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCT
TGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTT
ATT
+
FF,FFFF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2516:24822:6684_2:N:0:TCTGCAAG+GCTGCACT
ACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAA
GTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTC
+
FF
FFFF,FF
@A00721:190:HGJW7DSXY:4:2372:8865:2942_2:N:0:TCTGCAAG+GCTGCACT
ATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGGAGGTGA
TCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACGG
+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1604:15402:6715_2:N:0:TCTGCAAG+GCTGCACT
GTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGT
ACCTTCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGTGATCCCGGATG
+
FFFFF:FF:FFFFFFFFFFFFFFFF
FF:FFFF:F
@A00721:190:HGJW7DSXY:4:1236:26992:36902_1:N:0:TCTGCAAG+GCTGCACT
TGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTCAAGTTTTTAGATCTTCTTGATAATCT
TAAAGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTA
CGC
+
F,FFFF:F,FF:FF:FFFFFFFF:FFFFFFFFFFFF
FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:2570:16260:28651_1:N:0:TCTGCAAG+GCTGCACT
TCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGT
TAGGGAGTGGCTAGGTTTTAAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATTACCCAGA
GTT
+
:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1643:21197:8923_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTC
CGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAAT
+

@A00721:190:HGJW7DSXY:4:1378:12472:14387_1:N:0:TCTGCAAG+GCTGCACT
TCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATA
TCGCCGGGAAC TTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCA
CAG

@A00721:190:HGJW7DSXY:4:1650:31991:23422_1:N:0:TCTGCAAG+GCTGCACT
AACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAA
GAC

@A00721:190:HGJW7DSXY:4:1125:14968:22028_1:N:0:TCTGCAAG+GCTGCACT
TGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTT
CTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGC
GGC

@A00721:190:HGJW7DSXY:4:1565:21712:23030_1:N:0:TCTGCAAG+GCTGCACT
AATCGTATTGATCTCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCT
TTATCGAAGTCTCAGTTATCGCTGCCCCGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAA
AAA

@A00721:190:HGJW7DSXY:4:1660:29758:15922_1:N:0:TCTGCAAG+GCTGCACT
AACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGG
GTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTCTGGA
ACC

@A00721:190:HGJW7DSXY:4:1120:14760:1501_1:N:0:TCTGCAAG+GCTGCACT
TATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCC
GATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTACAAC
GGA

@A00721:190:HGJW7DSXY:4:2650:32551:1783_1:N:0:TCTGCAAG+GCTGCACT
CACTTTGATGATTTTATCACTTTATTATGACCTTGGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACG
ATTCCATTCTGTTTTCAAAGACTCCAATACTGATCATTCTGATCATATGATTTTGGACAATGGTTTC
GAA

+
FFFFFFFF:FFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1503:12943:31829_2:N:0:TCTGCAAG+GCTGCACT
TCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTG
ATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCA
+
FF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1403:11586:2018_1:N:0:TCTGCAAG+GCTGCACT
GATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCG
TGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACT
ACC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1674:26964:13557_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAA
+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2320:26323:21778_1:N:0:TCTGCAAG+GCTGCACT
AATCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTT
ACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTA
CCC
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2142:24388:30013_2:N:0:TCTGCAAG+GCTGCACT
CAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTA
CCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2107:1199:31532_2:N:0:TCTGCAAG+GCTGCACT
CGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACAACTTTTCAG
TTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAAAACCCTCGTCAA
+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2404:26241:26804_2:N:0:TCTGCAAG+GCTGCACT
GCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGC
ACTCTTTCTGCTACTTTAACGGAGAGATCGGAAGAGCGTCGTGTAGG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2450:28284:26678_2:N:0:TCTGCAAG+GCTGCACT
TAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTG
AAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAG
+

FFFFF,: ,FF:F:FFFFF
::FFFFFFFFF:FFFFF::FFFFFFFFFFFFF::FFFFFFFFFF,FFFFF

@A00721:190:HGJW7DSXY:4:2101:10628:29450_1:N:0:TCTGCAAG+GCTGCACT
ATCTTACCACTATCTACGAACCTAAAGTTCTGAAGACGTTGCTTGTCTGCTTCCTCTTTAATGGCACT
ACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTG

+

F,:F:F:,FFFFFF,FFF,F:F:F,:F,FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF:FF,FF,:F,,
F:FF,F,FFFF::,FFFFFFFF,F:FFFFFF,::,,:FFFF,FFFF,FFFFFFF,,FFFF:,F:FF:FFFF
FF

@A00721:190:HGJW7DSXY:4:2314:1895:23375_2:N:0:TCTGCAAG+GCTGCACT
ATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAA
CATATCCATTTGTTGTAATAGGTCATCAACTTAGAACTCGAACTCT

+

FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF,FFFFF,FF

@A00721:190:HGJW7DSXY:4:2442:24162:15186_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCGATAGGGGACATTTTATCGTGGGCTTCCGTAAAGGAAGATCTGTTATCGACGGTTTATCGT
TTACGAAGTATCACTCCACCGGTGAATGGTTTAAGAATACTATAAATAGAATAGCTATTACTACTAAT
GGC

+

FF
FF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2670:8006:32643_1:N:0:TCTGCAAG+GCTGCACT
TTACTTAGACTTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTC
TCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTC
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2257:9833:10066_1:N:0:TCTGCAAG+GCTGCACT
AGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTT
CTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTGATAGAG
CTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1409:6677:31469_1:N:0:TCTGCAAG+GCTGCACT
TCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTT
TTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCG
AAA

+

FFFFFF:FF:FFFFFFFFFFFFFFFF:FFFF
F:FF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2550:10809:1141_2:N:0:TCTGCAAG+GCTGCACT
ACATTTACCACCAAATCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTT
GCTATTCACCAGATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAG

+

FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF, ,FFFFFFFFFFFFFFF

$+$

@A00721:190:HGJW7DSXY:4:1121:24831:11365_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT
AT

+

@A00721:190:HGJW7DSXY:4:2644:22363:9251_2:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACCCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTG

 $+$

@A00721:190:HGJW7DSXY:4:1228:17400:25332_2:N:0:TCTGCAAG+GCTGCACT
CCGCAACGACTCGAAACGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGC
CTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTTATAATTTA

+

@A00721:190:HGJW7DSXY:4:2262:1922:12587_2:N:0:TCTGCAAG+GCTGCACT
TCAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCAC
TGATCTGCCGACTTTAGTCAAGGAACCTTCAATTCCTTCGATGTTTATA

+

@A00721:190:HGJW7DSXY:4:2167:30924:4038_1:N:0:TCTGCAAG+GCTGCACT
GACAAATTTTAGAACTTTATTTTCTGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATC

+

@A00721:190:HGJW7DSXY:4:1625:10746:34475_2:N:0:TCTGCAAG+GCTGCACT
ACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAAC
TTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAA

 $+$

@A00721:190:HGJW7DSXY:4:1553:1723:30091_2:N:0:TCTGCAAG+GCTGCACT
TAGCATTGATTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACA
AACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTG

+

@A00721:190:HGJW7DSXY:4:2132:8368:29262_2:N:0:TCTGCAAG+GCTGCACT
TTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCTT

+

@A00721:190:HGJW7DSXY:4:2509:24749:11412_1:N:0:TCTGCAAG+GCTGCACT
TAATTC AATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC
ACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATGAACTGCCGCTT
CCC

+

@A00721:190:HGJW7DSXY:4:2405:14552:17801_2:N:0:TCTGCAAG+GCTGCACT
GCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAAGGACCCGCTGTGCAGAATAACCTTCCCA
ATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCAC

+

@A00721:190:HGJW7DSXY:4:2658:15609:18818_2:N:0:TCTGCAAG+GCTGCACT
CAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGC
CATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCC

+

@A00721:190:HGJW7DSXY:4:2132:28040:16517_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTTCTGACCAGAAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGG
AAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCC
TAA

 $+$

@A00721:190:HGJW7DSXY:4:1666:13241:18662_1:N:0:TCTGCAAG+GCTGCACT
CAAAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGCGTCATTAAGGGTAGCTGTAAAGTTGCGC
CTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTT
GAA

+

@A00721:190:HGJW7DSXY:4:2521:19958:28228_2:N:0:TCTGCAAG+GCTGCACT
CGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGT
GGGTTGAAGGCCGACGCTTCGAGCTTGAGAGATCGGAAGAGCGTCGTG

+

@A00721:190:HGJW7DSXY:4:1410:2953:11898_2:N:0:TCTGCAAG+GCTGCACT
TAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCAACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGA

+

@A00721:190:HGJW7DSXY:4:2639:10990:27571_2:N:0:TCTGCAAG+GCTGCACT
ATTTTTCCTTTCCTCCGTCATTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCA

TGCTGATCTTTCAGGACCTAATAACATCAGGATTGATAGTTACGGAGA

+

F:FF,:FFFFFF,FFFFFFFFFFFFFFFF,F,F,:FFF,FFFF,FFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,,FFF,FF,,F,FFFFFF:FFF,FFF

@A00721:190:HGJW7DSXY:4:2123:15799:5744_1:N:0:TCTGCAAG+GCTGCACT
GAGTTCAGACGTGTGCTCTTCCGATCTCTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAG
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATT

+

FFFFFFFF,FF:FFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1209:4327:12524_1:N:0:TCTGCAAG+GCTGCACT
AGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTGAGAAGGGGTCATAGAGCCAGC
AAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATA
TAA

+

FFFFFFFFFF:FF::FFF,FFFFFFFF:FFFFFFFF:FFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1319:18304:15436_1:N:0:TCTGCAAG+GCTGCACT
TATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTT
TGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAG
GTG

+

FFFFF,FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2623:28411:13777_2:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTAT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF,F,FFF:FFFFFFFF,FFF:F,:FFF:FFFFFFFF:F,:FF
,F,FFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:,FFFF

@A00721:190:HGJW7DSXY:4:2262:4987:33708_2:N:0:TCTGCAAG+GCTGCACT
TGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCA
TGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACG

+

FFFFFF:FFFFF:FFF:FFFFFFFFFFFF,FFF:FF,:FFF,FFFFFFFFFFFFFFFF:FFF
FFFFFF,FFFFFFFFFFFF,FFF:F:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1130:27615:9267_1:N:0:TCTGCAAG+GCTGCACT
CATTTCTGCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAATAATGACATACCCGTTCTGACCT
TGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCCAAGGATTGGGTT
ATT

+

FFFFFF:F,FFFFFF::,:FFF,FFFFFFFF::FF,FFFF:F,,FFFF,FFF,F::FFFF,F:::,F
F:FFFF::FF:F,FFFFFF,FFFFFF:FFF:FFF:F:FFFF:FFFF,:F,F::FFFF:FF,FF:F
FFF

@A00721:190:HGJW7DSXY:4:2644:19470:31610_2:N:0:TCTGCAAG+GCTGCACT
ACAAAACCTTCGAATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAA
GTGATTACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTC

+

F:FFFF:FFFFFFFFF::FF:FFFFFF:,FFF:FFFF:FFFFFF:F:F:,FF,:FFF:F:::,FFF
F,:FF,F:FFFFFFFFFFFFFFFF,F:F:FFFF:,F:FFFFFF,F,

@A00721:190:HGJW7DSXY:4:2374:18340:26115_2:N:0:TCTGCAAG+GCTGCACT
ATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGGAGGTGA
TCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2228:23176:13667_2:N:0:TCTGCAAG+GCTGCACT
GTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGT
ACCTTCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGTGATCCCGGATG

+

FF
FF,F

@A00721:190:HGJW7DSXY:4:1423:27977:35759_1:N:0:TCTGCAAG+GCTGCACT
TGGGTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCT
TAAAGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTA
CGC

+

FFFFFFFFFFFFFF::FF:FFFF:FF,FFFFFFFFFFFF,,FFFFFF:FFFFFFFFFFFF:FFFFFFFF,FFF
FFFFFFFFFFFFFFFFFFFF:F:F,FF:FFFFFFFFFFFF:FFFFFFFFFFFF::FFF:FFFF:FFFF,FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2659:19741:16454_1:N:0:TCTGCAAG+GCTGCACT
TCTGTTGGTAGAGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGT
TAGGGAGTGGCTAGGTTTTAAAGATCCTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGA
GTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2350:29369:23171_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTC
CGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1417:27154:1266_1:N:0:TCTGCAAG+GCTGCACT
TCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATA
TCGCCGGAACCTTCTAATAGAGGATCCTGATGACATTATTCAACGGATACCGATCTCAGTTCTACCA
CAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2411:18765:33426_1:N:0:TCTGCAAG+GCTGCACT
AACTGTCTCCACTGATTGGAATTAGAGAAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAAAGTGTTCAAAA
GAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1221:8675:36965_1:N:0:TCTGCAAG+GCTGCACT
TGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTT
CTTTTCATCGACGAATTATTCATGATTACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGC
GGC

+
FF
FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1574:7636:23140_1:N:0:TCTGCAAG+GCTGCACT
AATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTT
TTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAA
AAA
+
FFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2203:25789:19038_1:N:0:TCTGCAAG+GCTGCACT
AACCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGG
GTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGA
ACC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1137:16957:6277_1:N:0:TCTGCAAG+GCTGCACT
TATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCC
GATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCAACA
GGA
+
FF
F:FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1416:11252:7232_1:N:0:TCTGCAAG+GCTGCACT
TCTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATT
CCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAA
GCG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1528:16613:14763_2:N:0:TCTGCAAG+GCTGCACT
TCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTG
ATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1430:23466:35994_1:N:0:TCTGCAAG+GCTGCACT
GATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGACCG
TGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACT
ACC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2113:21893:3020_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGCGCAGCAGCATGACCATAATTGGTATT
GACTTTTGTACAACCTTTACTACTTTTCAGTCTCGCCTCAGCGAATGAA
+

```

,FFFFF:F:,::FFFFF:,F::FFFFF:,FF:,::,FF,F,,:F,,,F,::,,:FF,::FFFFF,F:FF:,
FFF:F:,FFF,,:FF,FF,FFF,F,FF,FF,FF:::F,,F,FF,FFF
@A00721:190:HGJW7DSXY:4:2335:3875:25645_1:N:0:TCTGCAAG+GCTGCACT
AATCATTGGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTT
ACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTA
CCC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2563:12029:24674_2:N:0:TCTGCAAG+GCTGCACT
CAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTA
CCTGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2122:27805:17550_2:N:0:TCTGCAAG+GCTGCACT
CGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACTTTTCAG
TTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAACCCTCGTCAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF,FFF
@A00721:190:HGJW7DSXY:4:2540:16839:6950_2:N:0:TCTGCAAG+GCTGCACT
GCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGC
ACTCTTTTCTGCTACTTTAACGGAGAGATCGGAAGAGCGTCGTGTAGG
+
FF,FFFFFFFFFFFFF:FFF:FFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF::FFFFFFFFF:FFFF,,F
FFFFFFFFFFFFF:FFFF:FF:,FFFFFFF:F:FF:FFFFFFFFF,F,FFF
@A00721:190:HGJW7DSXY:4:2556:27471:12618_2:N:0:TCTGCAAG+GCTGCACT
TAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTG
AAGTGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAG
+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFF,FFFFFF:F:F:F
FFFFFFFFF:FFFF:FFFFFFFFFFFFF,FFFFFFF:FFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2555:15139:2409_1:N:0:TCTGCAAG+GCTGCACT
GGCACTACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGA
ATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAGTTTCGTTTCG
TAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2361:19036:28510_2:N:0:TCTGCAAG+GCTGCACT
ATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAA
CATATCCATTTGTTGTAATAGGTCATCAACTTAGAACTCGAACTCT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2567:10547:25989_1:N:0:TCTGCAAG+GCTGCACT
TTCGATAGGGGACATTTTATCGTGGGCTTCCGTAAGGAAGATCTGTTATCGACGGTTTATCGTTTA
CGAAGTATCACTCCACCGGTGAATGGTTTAAAGAATACTATAAATAGAATAGCTATTACTACTAATGC
GTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

FF
FFF

@A00721:190:HGJW7DSXY:4:1165:3432:34554_2:N:0:TCTGCAAG+GCTGCACT
TACTTAGACTTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCT
CAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2422:11026:17174_1:N:0:TCTGCAAG+GCTGCACT
GACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGAC
CCGATTATATGGTATTAACCTTATAAAGGTGAGGAGACCATTTCTTGCTGAAATTTATAGAAGATTAT
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1660:6352:20478_1:N:0:TCTGCAAG+GCTGCACT
TCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTT
TTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCG
AAA

+

FF:
FF:
FFF

@A00721:190:HGJW7DSXY:4:2315:5249:22952_2:N:0:TCTGCAAG+GCTGCACT
CAAATTCCTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCA
GATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCT

+

FF:F:FFFFFF
FF:FF

@A00721:190:HGJW7DSXY:4:2462:10176:1360_2:N:0:TCTGCAAG+GCTGCACT
AAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTA
AATGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACA

+

FFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF
,FFFFFF:FFFF,:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1218:31033:26584_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT
AT

+

FF
FFFFFFFFFFFF:FF:FF:F:FF:FFF:FFFF:F,F
F:

@A00721:190:HGJW7DSXY:4:2676:18792:8860_2:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACCCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTG

+

FF:F:FFFF
FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1470:28022:17331_2:N:0:TCTGCAAG+GCTGCACT
CCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGC
CTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTA

+

FF
FFFFFFFFFFFF,FF:FFF:F:F::FFF,FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2343:32334:4570_2:N:0:TCTGCAAG+GCTGCACT
TCAATGAGGTCAAAGCTCTATTTATTAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCAC
TGATCTGCCGACTTTAGTCAAGGAAGTCAATTCCTTCGATGTTTATA

+
FFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFF:FFFFFF,:FFFF:FFF:,F:FFFFFFFFFFFF
FFFF:F:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FF,F:,FFFFFFF
@A00721:190:HGJW7DSXY:4:2238:2040:4210_1:N:0:TCTGCAAG+GCTGCACT
GACAAATTTTAGAAGTCTTATTTTCAAGTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTATTCAGCGTATACTTGAATACTTT
ATC

+
FFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1448:3812:10441_1:N:0:TCTGCAAG+GCTGCACT
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGA
CTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACTCGGTGAACACGTCGGTAG
CAT

+
FFFFF:FFFFFF:FFFF:F:FF
F:FF
FF:
@A00721:190:HGJW7DSXY:4:2513:12264:27524_1:N:0:TCTGCAAG+GCTGCACT
AACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAAGTTTACATTTTTAATGGT
ATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCCTTAATATTCTA
GTA

+
:F,FF:FFFFFFFFFFFF:FFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2514:28971:21699_1:N:0:TCTGCAAG+GCTGCACT
TAGGATTTATCACACTCCTAAATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAAA
CTCCATTGTATAGTTCAAGGAGTACTTAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGA
AA

+
FF::FF,FFFFFFF,:F:FFF,FF:FFF:FFFFFFFFFFFF,:FFFFFF:FF:FFFFFFFFFFFFFFFF
FFFFFF,FFFFFF,FF:FFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2611:26666:28980_1:N:0:TCTGCAAG+GCTGCACT
CAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGCGTTGGGGAGAATGAAGTCCGCTTC
CCGGAAGAAACGATCTATTTACAGAGTATTAGAGTAGTCCAAAGTTTGTATAAATTTATATGATTTT
CTA

+
FF
FF:F
FFF
@A00721:190:HGJW7DSXY:4:2513:30834:34726_2:N:0:TCTGCAAG+GCTGCACT
GCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTAGGGACCGCTGTGCAGAATAACCTTCCCAA
ATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCAC

+
FF,FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:1573:23854:35603_1:N:0:TCTGCAAG+GCTGCACT
CAGTACCTCAGTCAAAAGTCACATTCACTACCCATACCAATCAATGATGTGACTATACAGTTCGGC
CATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAC
TCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2143:23122:4178_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGG
AAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCC
TAA

+

FF
:F::FFFFFFFF:FFFFFFFFF,FFFFFFFFFFFF:FF:F
:FFFFFFFFFFFFFFFFFFFFFFFF:F:F::,,FFFF:FFFFFFFFFFFFFFFF:FFFF,F:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1137:3568:27305_1:N:0:TCTGCAAG+GCTGCACT
AAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCTTAAGGGTAGCTGTAAAGTTGCGCCT
GCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTAAGATCGGAAGAGCACACGT
CTG

+

F:FF
F,FFFFFF,FF:F:FF:,F:FF:F,FF:FF:F,FFFF
FFF

@A00721:190:HGJW7DSXY:4:2643:15817:26318_2:N:0:TCTGCAAG+GCTGCACT
CGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGT
GGGTTGAAGGCCGACGCTTCGAGCTTGAGAGATCGGAAGAGCGTCGTG

+

FF
FF:F

@A00721:190:HGJW7DSXY:4:1516:27787:15295_2:N:0:TCTGCAAG+GCTGCACT
TAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCACCCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGA

+

FFFFFFFFFFFFFFFF:F:FF,
FF:F:FFFF:F

@A00721:190:HGJW7DSXY:4:1212:31801:32550_1:N:0:TCTGCAAG+GCTGCACT
CCTTTCTCCGTCAATTGGGATTTGATGTGAGAAGGTGAAGGTGTCAAGGGTCTTCTTCATGCTGA
TCTTTGAGGACCTAATCATCATGATTGATGATTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCT
CCG

+

FF:,FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2471:4237:28745_1:N:0:TCTGCAAG+GCTGCACT
GAGTTCAGACGTGTGCTCTTCCGATCTCTTCGTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGA
GAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
ATT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1262:5104:17159_1:N:0:TCTGCAAG+GCTGCACT
AGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAATCTTTTGAGAAGGGTCTAGAGCCAGC

AAGAGAAGCTTATATGCTGGTTTAAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATA
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1330:21477:21934_1:N:0:TCTGCAAG+GCTGCACT
TATTGTTCTTCCGGGAAGTTGTGGGATTTAACCTTTGACTCACTACTCCGATCAGATCCGGATGGTT
TGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAG
GTG

+

FFFFF:FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1533:26811:31798_1:N:0:TCTGCAAG+GCTGCACT
AAGAGTCTTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGTTGAGGAGACTTTACAGCGGCT
TATTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCG
C

+

F::FFF:,FFF:,FFF,FFFF:,FFFFFFF,F,,F,FFFFFFFFF:FFFF,FFFF,FFFFFFF,:,,F
FFFFFFFFFFFF::FFFFFFFFFFFF::FFFFFFFF:FFFF,:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
F

@A00721:190:HGJW7DSXY:4:2267:26024:37043_2:N:0:TCTGCAAG+GCTGCACT
TGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCA
TGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1173:32325:24314_1:N:0:TCTGCAAG+GCTGCACT
CATTTCTGCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCT
TGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTT
ATT

+

FF
FF
FF:

@A00721:190:HGJW7DSXY:4:1641:28266:27242_1:N:0:TCTGCAAG+GCTGCACT
CGAATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCC
AAGATGTTATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAG
AAG

+

FFFF:FFF:FFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1475:29930:4194_1:N:0:TCTGCAAG+GCTGCACT
ACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACGGTGACTTTAT
GGACAAGATGCAAGTTCTTGGGAAATACTGTTTCCCTTTTAGGTTTAGTAGGTGATCTTGACGTCG
ATT

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2531:2781:35211_2:N:0:TCTGCAAG+GCTGCACT
GTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGT

+

@A00721:190:HGJW7DSXY:4:2167:24180:20353_1:N:0:TCTGCAAG+GCTGCACT
TGGGTTGAGAAGTGTGGTTTACAAGGAGTTAGACTCTTCTTCATGTTTTTAGATCTTCTTGATAATCT
TAAAGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTA
CGC

+

@A00721:190:HGJW7DSXY:4:1276:11098:18114_2:N:0:TCTGCAAG+GCTGCACT
AGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGC
TAGGTTTTTAAAAGATCCTTTCACAAGCAATACCTTCCACTGAGTTCA

+

@A00721:190:HGJW7DSXY:4:2447:29875:21543_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTC
CGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAAT

+

@A00721:190:HGJW7DSXY:4:1541:31864:24893_1:N:0:TCTGCAAG+GCTGCACT
TCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATA
TCGCCGGGAAC TTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCA
CAG

 $+$

@A00721:190:HGJW7DSXY:4:2562:17644:28009_1:N:0:TCTGCAAG+GCTGCACT
AACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAA
GAC

+

@A00721:190:HGJW7DSXY:4:1329:18918:24236_1:N:0:TCTGCAAG+GCTGCACT
TGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTT
CTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGC
GGC

+

@A00721:190:HGJW7DSXY:4:2574:30237:28808_1:N:0:TCTGCAAG+GCTGCACT
AATCGTATTGATCTCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTGTTT
TTATCGAAGTCTCAGTTATCGCTGCCCCGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAA
AAA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2213:14751:36119_1:N:0:TCTGCAAG+GCTGCACT
AACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGG
GTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGA
ACC

@A00721:190:HGJW7DSXY:4:1253:13792:29418_1:N:0:TCTGCAAG+GCTGCACT
TATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCC
GATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTCACAAAC
GGA

@A00721:190:HGJW7DSXY:4:2314:25988:8453_1:N:0:TCTGCAAG+GCTGCACT
TCTGATGATTTTATCACTTTATTATGACCTTGGAAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATT
CCATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAA
GCG

@A00721:190:HGJW7DSXY:4:1628:16080:18787_2:N:0:TCTGCAAG+GCTGCACT
TCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTG
ATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCA

@A00721:190:HGJW7DSXY:4:1430:23710:36699_1:N:0:TCTGCAAG+GCTGCACT
GATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCG
TGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACT
ACC

@A00721:190:HGJW7DSXY:4:2138:27362:5008_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAA

@A00721:190:HGJW7DSXY:4:2543:8278:26757_1:N:0:TCTGCAAG+GCTGCACT
AATCATTGTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTT
ACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTA
CCC

[illegible]

$+$

@A00721:190:HGJW7DSXY:4:2456:11623:28479_2:N:0:TCTGCAAG+GCTGCACT
CGTTGATGAAGCTATAAGAGCGTTCTTATTACGGCGCACTTCTTTACCCGCCACCACACAACTTTTCAG
TTTCACAACTGAAGGAGGAGGTTTCTGTTACTGGAAAACCTCGTCAA

+

@A00721:190:HGJW7DSXY:4:2655:5041:11819_2:N:0:TCTGCAAG+GCTGCACT
GCTATTAAAGCTGTTGAGCGGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGC
ACTCTTTTCTGCTACTTTAACGGAGAGATCGGAAGAGCGTCGTGTAGG

+

@A00721:190:HGJW7DSXY:4:2556:5746:30953_2:N:0:TCTGCAAG+GCTGCACT
TAAAAAGAAGATAGAGAGTCATACTTTGGGCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTG
AAGTGGACACCTCTGGTAGTATCGAAGTAAAGATAACCAATAAGGAAG

+

@A00721:190:HGJW7DSXY:4:1405:17056:7795_2:N:0:TCTGCAAG+GCTGCACT
ACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTTCACT

+

@A00721:190:HGJW7DSXY:4:2361:19343:28479_2:N:0:TCTGCAAG+GCTGCACT
ATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAA
CATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACTCT

+

@A00721:190:HGJW7DSXY:4:2605:1913:1924_1:N:0:TCTGCAAG+GCTGCACT
TTTCGATAGGGGACATTTTATCGTGGGCTTTCCGTAAGGAAGATCTGTTATCGACGGTTTATCGTTTA
CGAAGTATCACTCCACCGGTGAATGGTTTAAAGAATACTATAAATAGAATAGCTATTACTACTAATGGC
GTT

+

@A00721:190:HGJW7DSXY:4:1263:25807:17910_2:N:0:TCTGCAAG+GCTGCACT
TACTTAGACTTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCT
CAGCAAAGGGATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTGGA

+

@A00721:190:HGJW7DSXY:4:2622:16902:2206_1:N:0:TCTGCAAG+GCTGCACT
GACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTCGAGCCTCGAC
CCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAAGATTAT
TTT

+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
F:FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2357:10601:24956_1:N:0:TCTGCAAG+GCTGCACT
TCCAGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTT
TTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCG
AAA
+
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2438:17906:17628_2:N:0:TCTGCAAG+GCTGCACT
CAAATTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCA
GATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCT
+
FF:FFFFFFF,,
FF:FFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2475:28103:18944_2:N:0:TCTGCAAG+GCTGCACT
AAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTA
AATGGGTGATAAAAATTATTTAGAGATCTTTCTACTTACAAAGGACA
+
FF
FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1601:17607:34053_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT
AT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FF,,FF,FFFF,F:FFFFFFFF::F:F,F:F
FF
@A00721:190:HGJW7DSXY:4:1426:22580:14606_1:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGAT
CAT
+
FFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2630:20175:1110_2:N:0:TCTGCAAG+GCTGCACT
TCAAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCAC
TGATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATA
+
:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFFFFFF:FFF
FFFFFF:F:FFFFFFFFFFFF,:FFFF:FFFF::FF:,FFFFFFFF
@A00721:190:HGJW7DSXY:4:2311:25798:10410_1:N:0:TCTGCAAG+GCTGCACT
GACAAATTTTAGAACTTTATTTCAAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATC
+
FF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1474:26856:31657_1:N:0:TCTGCAAG+GCTGCACT
CAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTAGCAGTCGCTGGGGAAGAGAATTGCGTGG
GTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAG
GAT

+

FFFFFFFF,FFFFFFFF:FF
FFF,FFFFFFFFFFFFFFFF,F:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1551:24117:36088_2:N:0:TCTGCAAG+GCTGCACT
TAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCACCCTTAAGCACCAGGTAAGCTCGGGACTTACAAGA

+

FF:FFFFFFFFFFFFFFFFFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:1314:15835:3145_1:N:0:TCTGCAAG+GCTGCACT
CCTTTCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGA
TCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCT
CCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1201:18728:2487_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTGGAACTTCGTGAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGG
AAGGCTCTAGAGAAGATCTACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGA
TTA

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1410:29206:8985_1:N:0:TCTGCAAG+GCTGCACT
AGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTGAGAAGGGGTCATAGAGCCAGC
AAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATA
TAA

+

FFFFFFFFFFFFFFFFF:,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1336:28113:27477_1:N:0:TCTGCAAG+GCTGCACT
TATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCACCTACTCCGATCAGATCCGGATGGTT
TGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAG
GTG

+

F,FF,,F:FFF,FF:FF,FFFF,F::FF:,F:FFFF,FF,,FFFF:,FFF,F:FFFF,FFF:FF
FFFFFFFF,FFF,FF,:FF,,F,FFFFFFFFFFFF,FF:FFFF::FFFFFFFFF,:FF:,F,,FFFF,F
FFF

@A00721:190:HGJW7DSXY:4:2234:4797:3004_1:N:0:TCTGCAAG+GCTGCACT
GAGTCATTATGATTCAAAACCTATCGTTGTGCTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTA
TTGTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGC

+

FF,F:,::,,FFF:FFFF,FFF:,F::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FF

@A00721:190:HGJW7DSXY:4:2554:24180:18944_2:N:0:TCTGCAAG+GCTGCACT
TGTGAAAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCA

TGAAAGCTATCGGAGGGAAGCAAAATGTTCCGTTCTGTTACAAGAACG
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FF
:FFFF:FF:FFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1261:1669:10676_1:N:0:TCTGCAAG+GCTGCACT
CATTTTCGTCTTAGTTTGTCCCGCGCAATTATTGGACACGATGAAAAATGACATACCCGTTCTGACCT
TGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTT
ATT
+
FFFFF:F:FFFFFFFFFF:FFFFF:FF:FFFFFFFFFFFFFFFF
FF
FF:
@A00721:190:HGJW7DSXY:4:2367:24144:32283_1:N:0:TCTGCAAG+GCTGCACT
CGAATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTACCC
AAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAG
AAG
+
FFFFFFFFFFFFF:F:::FFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2332:18358:13620_1:N:0:TCTGCAAG+GCTGCACT
ACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACGGTGACTTTAT
GGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTtaggtttAGTAGGTGATCTTGACGTCG
ATT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2667:29658:8328_2:N:0:TCTGCAAG+GCTGCACT
GTCAAGAAGTCGCTCGGCGTTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGT
ACCTTCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGTGATCCCGGATG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1104:14868:18944_2:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
AGAAAAATTTTCAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2627:12147:31516_2:N:0:TCTGCAAG+GCTGCACT
AGGAGTTGAGAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGC
TAGGTTTTAAAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCA
+
FF:FFFF:FFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2469:8739:8046_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTTACCTTTTGGAGGTCCAGGAACCTTTGCTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTC
CGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAAT
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1632:1967:5807_1:N:0:TCTGCAAG+GCTGCACT
TCTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATA

TCGCCGGGAAC TTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCA
CAG

+

FFFFFFFF:FFFFFFFF:FF
FF:FFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2601:23457:18756_1:N:0:TCTGCAAG+GCTGCACT
AACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAAAGTGTTCAAAA
GAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1354:5104:10582_1:N:0:TCTGCAAG+GCTGCACT
TGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTT
CTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGC
GGC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2640:25409:27211_1:N:0:TCTGCAAG+GCTGCACT
AATCGTATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTGTT
TTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAA
AAA

+

FFFF:FF
FFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2214:14705:1344_1:N:0:TCTGCAAG+GCTGCACT
AACCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGG
GTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGA
ACC

+

FFFFFFFF:F:FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1463:1154:23844_1:N:0:TCTGCAAG+GCTGCACT
TATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGGTTTAGCTGTATCATCAGTCAGAGTATACCC
GATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCAACAAC
GGA

+

FF,FFFFFFFFFFFFFFFFFFFF:FFFF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1106:19642:35415_2:N:0:TCTGCAAG+GCTGCACT
TTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTGCTGGGGACGATTC
CATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGAT

+

FF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1648:15492:31610_2:N:0:TCTGCAAG+GCTGCACT
TCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTG

+

@A00721:190:HGJW7DSXY:4:1539:31665:14027_1:N:0:TCTGCAAG+GCTGCACT
GATTAAGACTCTTCCGAAAGGCCGAACCTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCG
TGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACT
ACC

+

@A00721:190:HGJW7DSXY:4:2147:4010:25441_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTTCGAATGAA

+

@A00721:190:HGJW7DSXY:4:2618:8296:33927_1:N:0:TCTGCAAG+GCTGCACT
AATCATTGTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTT
ACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTA
CCC

+

@A00721:190:HGJW7DSXY:4:2657:23194:25285_2:N:0:TCTGCAAG+GCTGCACT
CAGTACCCAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTA
CCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCG

+

@A00721:190:HGJW7DSXY:4:2365:6171:15624_1:N:0:TCTGCAAG+GCTGCACT
CTCGTCAATACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTC
CTTTTCTGGAACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTT
ACC

+

@A00721:190:HGJW7DSXY:4:2207:28854:27790_1:N:0:TCTGCAAG+GCTGCACT
CTATTAAGCTGTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCA
CTCTTTTCTGCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACTTC
TAA

+

@A00721:190:HGJW7DSXY:4:2211:15393:31219_2:N:0:TCTGCAAG+GCTGCACT
GCTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTA
AAGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAG

+

```
FF:FFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
```

$+$

@

+

@

 $+$

@

+

@

+

@

+

©

+

@

+

@A00721:190:HGJW7DSXY:4:2129:13584:15906_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT
AT

+

FF
FF
::

@A00721:190:HGJW7DSXY:4:1464:14009:33395_1:N:0:TCTGCAAG+GCTGCACT
TAATAGATTAATAAAGGATGAGTACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATT
TAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTCCGTCCTGAACGTAATACACGAAGAGAT
CAT

+

FFFF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2630:20546:1125_2:N:0:TCTGCAAG+GCTGCACT
TCAATGAGGTCAAAGCTCTATTTATTAAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCAC
TGATCTGCCGACTTTAGTCAAGGAAGTCAATTCCTTCGATGTTTATA

+

FF
FF
FFFF

@A00721:190:HGJW7DSXY:4:2506:14380:28119_1:N:0:TCTGCAAG+GCTGCACT
GACAAATTTTAGAACTTTATTTTCAAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2221:24424:16955_1:N:0:TCTGCAAG+GCTGCACT
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGA
CTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACTCGGTGAACACGTCGGTAG
CAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1545:10682:13823_2:N:0:TCTGCAAG+GCTGCACT
ACTTCAAGTACCTGAAGTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCAC
TCTCGGTAATGAGAGTGATTCTTAATATTCTAGTAACCGCTATGTG

+

FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF
FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2621:2329:1955_1:N:0:TCTGCAAG+GCTGCACT
TAATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTAC
ACAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATGAAGTCCGCTT
CCC

+

FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFF:FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2545:1967:12696_2:N:0:TCTGCAAG+GCTGCACT
GCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTCAGGGACCCGCTGTGCAGAATAACCTTCCCAA

ATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2371:32551:10708_1:N:0:TCTGCAAG+GCTGCACT
CAGTACCTCAGTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGC
CATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAC
TCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2450:5493:8594_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTTCTGACCAGAAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGG
AAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCC
TAA

+

FFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1402:32298:18787_1:N:0:TCTGCAAG+GCTGCACT
AAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCT
GCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTAAGATCGGAAGAGCACACGT
CTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2123:16179:35493_1:N:0:TCTGCAAG+GCTGCACT
CAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTAGCAGTCGCTGGGGAAGAGAATTGCGTGG
GTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAG
GAT

+

FFFFFFFFFFFFFF:FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2528:11406:8782_2:N:0:TCTGCAAG+GCTGCACT
TAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGA

+

FF,
:FF

@A00721:190:HGJW7DSXY:4:1360:14082:15295_1:N:0:TCTGCAAG+GCTGCACT
CCTTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGA
TCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCT
CCG

+

FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1605:25129:4742_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTGGAACTTCGTGAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGG
AAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGAGAGTCCAGAAGTTGATGAAGAAGGA
TTA

[illegible]

FFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1227:2718:2284_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGTCGCTCGCGTTGTTCTTGAACCAAGTTAAGAAGGATGCTGATCATGGAGTCTTTGTACC
TTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTGG

+

FFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F,:FFFFFFFF:FFFFFFFFFFFF:F
F,FFF:FFFFFFFFFFFF,:F:F,FFFFFFFFF:FFFF,F:F:F,FF:F

@A00721:190:HGJW7DSXY:4:2328:12274:19492_2:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
AGAAAAATTTTCAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTC

+

FFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFF:
FF

@A00721:190:HGJW7DSXY:4:2323:26946:5008_1:N:0:TCTGCAAG+GCTGCACT
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTA
AAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCGCGGAAAAC
GAT

+

FFFFFFFFFFFFFFFF,FFFFFF,FF:FFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFF:FFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2625:16984:12555_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTC
CGTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAAT

+

FFF:,FFFF:F:F:FFFFFFFFFFFF:FFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2477:4725:16407_1:N:0:TCTGCAAG+GCTGCACT
CTGCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTCATGAGGATGTCTTGGTCGAAAAATAT
CGCCGGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGATACCGATCTCTGTTCTACCAC
AG

+

FFFF,F:F:FFFFFFFF:FFFF,:FFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
F::,FFFF:FFFF:, :FFFFFF:FFFFFF: :FF,FFFF:FFFFFFFF,FFFF,,FFF,F::FF:
FF

@A00721:190:HGJW7DSXY:4:1102:7229:25066_2:N:0:TCTGCAAG+GCTGCACT
ACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTC
AGGGTGCCCTGATGAGGACGTTGAAAGGATAATTTCAACTCTGAGAC

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2116:18819:25222_1:N:0:TCTGCAAG+GCTGCACT
TGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTT
CTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGC
GGC

+

FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF:FFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2164:16251:8813_2:N:0:TCTGCAAG+GCTGCACT
TATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTGTTCTTATC
GAAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGAACTCTCAG

+

FF
FF
@A00721:190:HGJW7DSXY:4:2349:12689:25254_1:N:0:TCTGCAAG+GCTGCACT
AACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGG
GTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGA
ACC
+
FF:FFFFFFFFFFFFFFFFFFFF
FF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1541:1362:29716_1:N:0:TCTGCAAG+GCTGCACT
TATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCC
GATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCACAAC
GGA
+
FF:FFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFF
FF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1221:28809:36667_2:N:0:TCTGCAAG+GCTGCACT
TTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATTC
CATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGAT
+
FFFFF:FF:FFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2227:6081:34882_2:N:0:TCTGCAAG+GCTGCACT
TCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTG
ATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1574:30798:16532_1:N:0:TCTGCAAG+GCTGCACT
GATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCG
TGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACT
ACC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2214:21377:33191_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAA
+
FFFFFFFF:FFFFFFFFFFFFFFFF:FF
FF:FFFF
@A00721:190:HGJW7DSXY:4:1355:16306:32142_2:N:0:TCTGCAAG+GCTGCACT
GTTTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAG
GGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAAT
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2172:20681:3959_2:N:0:TCTGCAAG+GCTGCACT
CAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCT
TTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGG
+

[illegible]

$+$

@

+

@

+

©

+

@

+

©

+

9

+

6

@A00721:190:HGJW7DSXY:4:1665:6054:20431_1:N:0:TCTGCAAG+GCTGCACT
AAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCAATTAAGGGTAGCTGTAAAGTTGCGCCT
GCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTAAGATCGGAAGAGCACACGT
CTG

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1127:4173:6057_2:N:0:TCTGCAAG+GCTGCACT
GTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAATTGCGTGCGTT
GAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTT

+
F:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1106:28058:23218_1:N:0:TCTGCAAG+GCTGCACT
TAATAATGAGGCAGAACATCCCATGAGTCTTAGAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCTCTC
CTC

+
.FFFF:FFFFFFFFFFFFFFFFFFFF.FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
:FFFFFFFFFFFFFFFFFFFF.FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2142:9914:29246_1:N:0:TCTGCAAG+GCTGCACT
CCTTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTATTCTTCATGCTGA
TCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCT
CCG

+
.FF:FF:FF.:FFFFFF,,FFFFFFFFFFFFFFFFFFFF,FFFFFF:FFFF,F:FF,F,FF:FFFF,:FFF
F,FFF:F:FFFFFF:FFFF,.FFFF:F::FFFF:.F:FFFFFF,FFFFFFFF:FFFF:FFFF
FF:

@A00721:190:HGJW7DSXY:4:2144:25554:9173_1:N:0:TCTGCAAG+GCTGCACT
AGACGTGTGCTCTTCCGATCTGGAACTTCGTCAGAAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGG
AAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGA
TTA

+
FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
:FF

@A00721:190:HGJW7DSXY:4:2262:1886:17159_1:N:0:TCTGCAAG+GCTGCACT
AGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTLAGATAATCTTTGAGAAGGGGTCATAGAGCCAGC
AAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATA
TAA

+
FFFF:FFFFFFFF:F:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2121:11605:22842_1:N:0:TCTGCAAG+GCTGCACT
TATTGTTCTTCCGGAAGTTGTGGGATTTAACTTTGACTCACTACTCCGATCAGATCCGATGGTT
TGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAG
GTG

+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1503:10041:27555_2:N:0:TCTGCAAG+GCTGCACT
GTCTTTATGATTCAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATT
GTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTG

+

@A00721:190:HGJW7DSXY:4:1517:12156:31407_1:N:0:TCTGCAAG+GCTGCACT
AAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAA
GCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTC
AGT

+

```

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

```

@A00721:190:HGJW7DSXY:4:1655:30364:29590_1:N:0:TCTGCAAG+GCTGCACT
CATTTTCGTCTTAGTTTGTCCCGGCGAATTATTGGACACGATGAAAAATGACATACCCGTTCTTGACCT
TGGTATCGTTATCCGTCATGGAGATGATGGCGCATCACTTGATTACTATATGCCCGAAGGATTGGGTT
ATT

+

[illegible]

@A00721:190:HGJW7DSXY:4:2136:9923:9126_1:N:0:TCTGCAAG+GCTGCACT
AATATGTTACGACATGGCTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAA
GATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAA
GAA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2374:18340:26115_1:N:0:TCTGCAAG+GCTGCACT
ACCGGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACGGTGACTTTAT
GGACAAGATGCAAGTTCCTGGGAAATACTTGTTTCCCTTTTTAGGTTTAGTGGTGATCTTGACGTCG
ATT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1356:4227:14262_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGTCGCTCGGCGTTGTTCTTGA AACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACC
TTCTGTCAAAC TTCGAGGTT CAGCTACGAGAGGTGATCCCGGATGTGG

+

```

FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFF:FFFF

```

@A00721:190:HGJW7DSXY:4:2355:20582:35258_2:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGTAGTTAGACTCTTCTTCAAGTTTTTATATCTTCTTGATAATCTTAA
AGAAAAATTATCGAATAAACTAATGAGAGGTATAGGCTTATTCAAGTC

+

```
,::,FFFF::F,FF:FFFF:FF,FFFF,FFF:,F,FFFF,,F,F,,FF,,FFFFFFF:FFFFFF,F:FFF
FFFFFFFFF,:F,FFFFFFFF,FFF,,FFF,F:,F:F:FFFF,,FF,,FF
```

@A00721:190:HGJW7DSXY:4:2475:10248:30577_1:N:0:TCTGCAAG+GCTGCACT
GAGAATTACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTA
AAAGATCCTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCAGAGTTTCGACGTCGCGGAAAC
GAT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1169:17110:4382_2:N:0:TCTGCAAG+GCTGCACT
TCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCC
GTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATC

+

FF
FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1167:28320:34444_1:N:0:TCTGCAAG+GCTGCACT
GCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTGTTGGTCGAAAAATATCG
CCGGGAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAG
AAA

+

FFFFFFFFF::FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1102:9679:26584_2:N:0:TCTGCAAG+GCTGCACT
ACTGTCTCCACTGAGTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTC
AGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGAC

+

FFFFFFFFFFFFFFF,FFFFFF,FFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2257:4661:18740_1:N:0:TCTGCAAG+GCTGCACT
TGAGTGATCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTT
CTTTTCATCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGC
GGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2360:27362:26365_2:N:0:TCTGCAAG+GCTGCACT
TATTGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTGTTCTTATC
GAAGTCTCAGTTATCGCTGCCCCGCCGACGTTTGTGCGGAACTCTCAG

+

FF
FFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF,F:FFF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2431:6234:3897_1:N:0:TCTGCAAG+GCTGCACT
AACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGG
GTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGA
ACC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1674:15103:2033_1:N:0:TCTGCAAG+GCTGCACT
TATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCC
GATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCAACAAC
GGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1564:11677:26537_2:N:0:TCTGCAAG+GCTGCACT
TTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATTC
CATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGAT

+

FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1412:26847:31078_2:N:0:TCTGCAAG+GCTGCACT
ACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTC
TGTCTCTATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTCAC

+
FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFF:FFFFFFF:FFFFFFFF,FFF,FF,FFFFFFFFFF,F
:FF:F,FFF:,FFF:FFFFFFFFFFFFFF,FFF:FFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2610:23484:1736_2:N:0:TCTGCAAG+GCTGCACT
ATAAAGAATCTTTACCAGGACTACTACTACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAA
CATATCCATTTGTTGTAATAGTTTCATCAACTTAGAACTCTAAACTCT

+
FFFFFFFFFF,FFFFF:FF:FFF,F:FFFFFFFFFFFF,FFFFFF,,FFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFF,F,F::FFFFFF::F,F:FFFFFFFF,F:FFFFF,FFFFFFF

@A00721:190:HGJW7DSXY:4:2525:16785:22482_2:N:0:TCTGCAAG+GCTGCACT
TACTTAGACTTTCTACGATACAAATGATAACTTCTCATTTACGTTTGCTACTCAGAGCTGGTCCTCT
CAGCAAAGGGATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGA

+
FFF:FFFFFF:FFFFFF:FFFFF::FFFFFFF:,FF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FFFF,FFFF,F:FFFFFFFFFFFF::FFFFFFF,::FF

@A00721:190:HGJW7DSXY:4:1103:19226:7169_2:N:0:TCTGCAAG+GCTGCACT
TCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTA
TTAACTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAA

+
FF:FFFF
FF:

@A00721:190:HGJW7DSXY:4:1158:4399:18724_1:N:0:TCTGCAAG+GCTGCACT
AGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTA
CCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAATGAAGGACACTTCGAAA
CTG

+
FF
FF:F,FFFFF:
FFF

@A00721:190:HGJW7DSXY:4:2107:19090:4711_1:N:0:TCTGCAAG+GCTGCACT
CAAATTCTTTTGATACAACCTTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCA
GATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGA
GGC

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1212:10664:14920_1:N:0:TCTGCAAG+GCTGCACT
CCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGT
GATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAA
GTC

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF
FFFFFFFFFFFFFFFFFFFF:FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2339:6822:4539_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACTCT
AT

+
FF
FF
:F
@A00721:190:HGJW7DSXY:4:2563:19271:36119_1:N:0:TCTGCAAG+GCTGCACT
TACTAAAACAAACTCTTCGTTACGAGACCTGTTGGTAGAATATATTTAGTCTCTACACCCATATCAAC
GAGGATAAAGCGTGTTCCTCGTCCTGACCTTAATACACTAAGAGATCATCCGCAAACGACTCGAAACC
+
:,F,FF:FF,F,,,:F:,FFF:,F:FF:,,,FF,F,,,:F,,,FF:,,,::,FFFF,FF:,F,F,,
,,,::,F:,:::,FFF:F,,:F,F,F,,,FFFF:,F,F,,,:,,F,FFF,F,FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1413:25744:11882_2:N:0:TCTGCAAG+GCTGCACT
CAAATGAGGTCAAAGCTCTATTTATTAAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCCT
GATCTGCCGACTTTAGTCAAGGAAGTCAATTCCTTCGATGTTTATAT
+
FFFFFFFFFFFFFFF,FF
FFFFFFFFFFFF:FF,FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1152:14651:13714_2:N:0:TCTGCAAG+GCTGCACT
CAAATTTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTC
AATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAAG
+
F:FF
FF
@A00721:190:HGJW7DSXY:4:2339:10556:8688_2:N:0:TCTGCAAG+GCTGCACT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTA
TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2551:5104:36949_1:N:0:TCTGCAAG+GCTGCACT
AGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAA
AAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAAT
ACT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2641:19895:11898_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTC
CTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAAT
TTA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1366:5719:10488_1:N:0:TCTGCAAG+GCTGCACT
AATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACA
CAAAAGTGACGCGCAAGTAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTC
CCG
+
FFFFFFFFFFFF:FF
FFFFFFFFFFFF:FFF,FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2562:13602:17065_2:N:0:TCTGCAAG+GCTGCACT
GCCGGTCGGCAGATCGGCACCACTGGTCTCTACGTTAGGGACCCGCTGTGCAGAATAACCTTCCCAA

ATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCAC

[illegible]

+

[illegible]

+

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

+

[illegible]

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
```

+

[illegible]

+

```

FFFFFFFFFFFFFF:FF:FF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFF:,:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,:FFF
FFF

```

+

[illegible]

```
FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFF
FF:FFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFF:FFFFFF
```


$+$

@

$$+$$

@

+

©

$$+$$

@

+

@

+

©

+

6

+

FF
FFF

@A00721:190:HGJW7DSXY:4:2520:22923:12790_2:N:0:TCTGCAAG+GCTGCACT
CTGTTGAGCGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCT
GCTACTTTAACGGAGCGTAGTGTACTCTTCGTCGATTGTATAGATCGG

+

FFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1370:27796:35947_1:N:0:TCTGCAAG+GCTGCACT
CTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAA
AGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATT
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2334:14597:12179_2:N:0:TCTGCAAG+GCTGCACT
ACCTCGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTC
TGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTTAC

+

FFFFFFFFFFF,FFFFFFFFFFF:FFFF::FFFFFFFFFFFFFFFF:FFFF,FFFF,::F:FF:FFF::F,FF
FFFFFFFFFFFFFFFFFFF:F:FFFF,FFF:F,FFFFFF:FFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2623:12825:13777_2:N:0:TCTGCAAG+GCTGCACT
ATAAAGAATCTTTACCAGGACTCCTACTACAGGAGGAGTCTTCTGATCGTAAGAAGTTTATAAGGAA
CATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAACTCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1273:31114:17957_1:N:0:TCTGCAAG+GCTGCACT
TTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGG
GATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2369:11433:26428_1:N:0:TCTGCAAG+GCTGCACT
AGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTT
CTTGCTGAAATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGATTCTGATAG
CTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1170:19162:9878_1:N:0:TCTGCAAG+GCTGCACT
AGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTA
CCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAA
CTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2422:18629:15749_1:N:0:TCTGCAAG+GCTGCACT
CAAATTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCA

TCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTG

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF,:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

+

[illegible]

+

[illegible]

+

[illegible]

+

```

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

```

+

[illegible]

+

```
FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
```

+

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:2532:4779:1376_2:N:0:TCTGCAAG+GCTGCACT
TGATCTCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTGCTTCTTATCGAA
GTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGG

+
FF
FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1148:15501:13088_1:N:0:TCTGCAAG+GCTGCACT
ACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGG
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCA

+
FF
FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2158:17987:9784_1:N:0:TCTGCAAG+GCTGCACT
TATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCC
GATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTTCAACAAC
GGA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2305:14281:8876_2:N:0:TCTGCAAG+GCTGCACT
TTGATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATTC
CATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGAT

+
FFFFF,FFFFFF:FFF:FFFFFFF,FFFFFFF:FFFFF,FFFFFFF:,FFF::FFFFFFFFFFFF
FFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2532:19054:35086_2:N:0:TCTGCAAG+GCTGCACT
TCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTG
ATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCA

+
FF
FFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2227:8820:34209_1:N:0:TCTGCAAG+GCTGCACT
GATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGACCG
TGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCAGTCGTAAGGACACT
ACC

+
:FFFFFFFFFFFFFFFFFFFFF,FF:FFFFF,FF
FFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2565:6560:20149_2:N:0:TCTGCAAG+GCTGCACT
CAGGGGTTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATT
GACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAA

+
FF
FF:FFFF

@A00721:190:HGJW7DSXY:4:2221:31982:15013_1:N:0:TCTGCAAG+GCTGCACT
TTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGG
AGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGAC
GTG

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2345:16957:31140_2:N:0:TCTGCAAG+GCTGCACT
CAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCT
TTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGG
+
FF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFF:FF
@A00721:190:HGJW7DSXY:4:2122:27805:17550_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTCAATAATATACGTCTTGAACCTCACTTATGACGATCTAGTGAAATTAACGCGTCCTTTTCTGG
AACGTAGTTTTACTATTATGAACAAAGTTATCAAAGATAGTGGCATTCAAGGCAAACCTTACCCTGATT
CCG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1130:7193:17550_2:N:0:TCTGCAAG+GCTGCACT
GGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTA
ACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1371:14335:19272_1:N:0:TCTGCAAG+GCTGCACT
CTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAA
AGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATT
ACT
+
FF
FFFFFFFFFFFFFFFF:FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2345:10031:28447_2:N:0:TCTGCAAG+GCTGCACT
ACCTCGGTACAATCTTACTTGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTC
TGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTTAC
+
FF:FFF:, , FFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF, F
@A00721:190:HGJW7DSXY:4:2244:30888:28025_1:N:0:TCTGCAAG+GCTGCACT
TACAGGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCAT
CAACTTAGAACTCGAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAAT
TGG
+
FFFFFFFF,FFF:FFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF:FFF
FF:FFFFFFFF:FFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:1363:7148:16125_1:N:0:TCTGCAAG+GCTGCACT
TTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGG
GATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTG
+
FFFFF,FFFF:FFFF:FFFF:F,FFFF,FFFFFFFF:FFFF,FFFFFFFFFFFF:FF:FF:
FFF:FFFFFFFF:FF:F::FFFFF,F:FFFFFFFFFFFFFFFF:FFFFF:F:FF:FFFFFFFF
,F,

@A00721:190:HGJW7DSXY:4:2532:31304:25927_1:N:0:TCTGCAAG+GCTGCACT
AGCGCATCTCGTGTGAGCCTCGACCCTATTATATTGTATTAACCTATAAAGGTGAGGAGACCATTTT
CTTGCTGAAATTTATAGAAGATTATTTTGACAGACTCAATAAGAATCATCGATTCTCGATTCTGATAGAG
CTT

+

FFFF,FFFF:FFFF:FF::F:FF:,F:FFF,F:,,FFFFFF,FFFF,:F,FF:F:F,FF,FFFFFF
FFF:,FFFF:F:FFFFFF,F:,FF,FFFFFF::,,F,F,FFF,F,F,FF:FFFFFF,F:FFFF:,FFF:F
:FF

@A00721:190:HGJW7DSXY:4:1315:32199:31172_1:N:0:TCTGCAAG+GCTGCACT
AGTCAACACTAGTTTCGAGTGCTGCTTTGGATTACGATGACTTGAGAATAGGTGAAGGGATAGTTTTTA
CCTCGACAAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAA
CTG

+

FF::FF,F:F,,FFFFFFF:,FF,:FF,FFFF,FFFF:F,FFF,::FFFF,FFF,FFFF,:FF,,F
FF:F:F,,FF:FFFFFFFF:FFFFFFFF,FFFFFFFFF:FFF:FFFFFF:F,FFFF:FF:F,FFFFFF:
FF:

@A00721:190:HGJW7DSXY:4:2329:31141:25989_1:N:0:TCTGCAAG+GCTGCACT
AATTCTTTTGATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGA
TTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGG
CTG

+

FFFF:FFF,FFFFFFFF:F:FFF
FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1458:6063:6950_2:N:0:TCTGCAAG+GCTGCACT
CCAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTG
ATAAAATTATTTAGAGATCTTTCTACTTACAAAGGACAATTCAGTT

+

FFF
FF:FFF,FFFFFFF

@A00721:190:HGJW7DSXY:4:1140:26838:23390_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGGAACAACCTTTACTTAGAATGACTCT
ATC

+

FFF:FFFF
FFF:FFFFF:
FF:

@A00721:190:HGJW7DSXY:4:1177:5828:35916_2:N:0:TCTGCAAG+GCTGCACT
ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG
AGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCAT

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:1413:26142:14418_2:N:0:TCTGCAAG+GCTGCACT
CAAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCCT
GATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCAATGTTTATAT

+

FFF,FFF:FFFFFFFFFFFFFFFFF
FFF,F:FFFFFFFFFFFFFFFFF:FFFFFFFFF,FFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1237:22245:19006_2:N:0:TCTGCAAG+GCTGCACT
CAAATTTTAGAATTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTC
AATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAG

+

FF
FFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2434:15628:32597_2:N:0:TCTGCAAG+GCTGCACT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT
+
FF
FFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1649:9923:10567_2:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAA
GATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTA
+
FF
FFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2164:11379:31501_2:N:0:TCTGCAAG+GCTGCACT
ACTTCAAGTACCTGAACCTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCAC
TCTCGGTAATGAGAGTGTATTCTTAATATTCTAGTAACCGCTATGTG
+
FF
FFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1542:32127:19429_1:N:0:TCTGCAAG+GCTGCACT
AATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACA
CAAAAGTGACGCGCAAGTAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTC
CCG
+
FF
FFFFFFFFFFFFFF:FFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1339:4553:8844_1:N:0:TCTGCAAG+GCTGCACT
CGGTCGGCAGATCGGCACCACTGGTCTCTACGTTACGGGACCGCTGTGCAGAATAACCTTCCCAAAT
CTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCC
CAG
+
FF
FFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2578:19452:13197_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAG
AGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCC
AAT
+
FF
FFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1416:14244:33426_1:N:0:TCTGCAAG+GCTGCACT
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAACCTGA
GAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATC
TCC
+
FFFFFF:FFFFFF:FF:FFFFFFFF
FF: :FFFFFFFF,FFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2170:15971:26522_1:N:0:TCTGCAAG+GCTGCACT
AAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCT

GCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCGTGCCTAAGATCGGAAGAGCACACGT
CTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1573:23583:18474_2:N:0:TCTGCAAG+GCTGCACT
GTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTT
GAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTT

+

FFF:FFFFF
FF

@A00721:190:HGJW7DSXY:4:1543:32045:28119_1:N:0:TCTGCAAG+GCTGCACT
TAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCACCCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCT
CTC

+

FFFFF,FF
:F:FF
FFF

@A00721:190:HGJW7DSXY:4:1126:2944:24408_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGTCCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

FFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1226:11993:13307_1:N:0:TCTGCAAG+GCTGCACT
GTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACTGGA
GAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAA
GGT

+

FFFFFFFFFFFFFFF:FF:F:FFFF:FFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFF:FFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2567:15176:35759_1:N:0:TCTGCAAG+GCTGCACT
TATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCACTACTCCGATCAGATCCGGATGGTT
TGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAG
GTG

+

:FFF::FFFFFFFF:FFFFFFFFFFFFF:FFFFF:F:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2243:13096:20917_2:N:0:TCTGCAAG+GCTGCACT
GTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATT
GTCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTG

+

FFF:FFFF
FFF:F:FFFFF

@A00721:190:HGJW7DSXY:4:2262:4987:33708_1:N:0:TCTGCAAG+GCTGCACT
AAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAA
GCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTC
AGT

+
FFFFFFFF,FFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF
FFFFFFFF:FFFFFFFF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1578:29794:27477_2:N:0:TCTGCAAG+GCTGCACT
ATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGAAAGTGATTCACCAAG
ATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTAC
+
FF:FFFFFFFF:FFFF
::FFFFFFFF:FF:FFF
@A00721:190:HGJW7DSXY:4:2347:24722:12555_1:N:0:TCTGCAAG+GCTGCACT
GGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCTACGGTGACTTTATGGA
CAAGATGCAAGTTCTTGGAATACTTGTTTCCCTTTTATAGTTTAGTAGGTGATCTTGACGTCGATT
CTT
+
FF
FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:2146:16396:32675_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGTCGCTCGGCGTTGTTCTTGAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACC
TTCTGTCAAACCTTCGAGGTTTCAGCTACGAGAGGTGATCCCGGATGTGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:F:FFFFFFFFFFFFFFFFFFFFF:
:FF:FFFF
@A00721:190:HGJW7DSXY:4:1104:14868:18944_1:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
AGAAAAATTTTGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGC
CAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2147:19370:21543_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATC
CTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1423:24270:3129_2:N:0:TCTGCAAG+GCTGCACT
TCTTTTACCTTTTGAGGTCCAGGAACCTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCC
GTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATC
+
FF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:1404:30933:36871_1:N:0:TCTGCAAG+GCTGCACT
GCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTGTTGGTCGAAAAATATCG
CCGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAG
AAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:F:F:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1333:11080:11036_2:N:0:TCTGCAAG+GCTGCACT
ACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTGTGGGGACTGAGACCTCTGAATTTTC

+

@A00721:190:HGJW7DSXY:4:2249:6352:25645_1:N:0:TCTGCAAG+GCTGCACT
TCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCA
TCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGCTTAT
ACC

+

@A00721:190:HGJW7DSXY:4:2630:24325:2378_2:N:0:TCTGCAAG+GCTGCACT
TGATCTCCAAGTCGAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTGTTCTTATCGAA
GTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGAACTCTCAGAGG

+

@A00721:190:HGJW7DSXY:4:1273:28113:21339_1:N:0:TCTGCAAG+GCTGCACT
ACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGG
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCA

+

@A00721:190:HGJW7DSXY:4:2421:10538:29011_1:N:0:TCTGCAAG+GCTGCACT
TATAGGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCC
GATAGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTCACAAAC
GGA

+

@A00721:190:HGJW7DSXY:4:2557:23113:35352_2:N:0:TCTGCAAG+GCTGCACT
TTGATGATTTTATCACTTTATTATGACCTTGGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTC
CATTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGAT

+

@A00721:190:HGJW7DSXY:4:2612:32443:18286_2:N:0:TCTGCAAG+GCTGCACT
TCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTAATAATTTG
ATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCA

 $+$

@A00721:190:HGJW7DSXY:4:2336:16884:23469_1:N:0:TCTGCAAG+GCTGCACT
GATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCG
TGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACT
ACC

+

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:1406:4155:18521_1:N:0:TCTGCAAG+GCTGCACT
TTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGG
GATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1309:19696:19727_2:N:0:TCTGCAAG+GCTGCACT
CGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGCTGAA
ATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTC

+
FFFFFFFFFFFFFF,FFFF:FFF:FFFFFFFFFFFF,F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FF

@A00721:190:HGJW7DSXY:4:1350:28519:25739_1:N:0:TCTGCAAG+GCTGCACT
AGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTA
CCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAA
CTG

+
FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2357:32307:25034_1:N:0:TCTGCAAG+GCTGCACT
AATTCTTTTGATACAACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGA
TTGGTTCGAACCCGTTGATGCTATGTCAGAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGG
CTG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1543:18828:21512_2:N:0:TCTGCAAG+GCTGCACT
CCGAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTG
ATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTT

+
FF
F:FF:F:FF:FF
@A00721:190:HGJW7DSXY:4:1140:27118:22529_1:N:0:TCTGCAAG+GCTGCACT

TTTTGTTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT
ATC

+
FF
FF:F:FFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1254:18710:7373_2:N:0:TCTGCAAG+GCTGCACT
ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG
AGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCAT

+
FF
FF

@A00721:190:HGJW7DSXY:4:2369:15555:36198_2:N:0:TCTGCAAG+GCTGCACT
CAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCCT

GATCTGCCGACTTTAGTCAAGGAAC TTCAATTCCTTCGATGTTTATAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1564:11369:17926_2:N:0:TCTGCAAG+GCTGCACT
CAAATTTTAGAACTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTC
AATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2622:4345:12994_2:N:0:TCTGCAAG+GCTGCACT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTA
TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1659:19208:32189_2:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAA
GATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTA
+
F:FF
FF
@A00721:190:HGJW7DSXY:4:2170:9073:13761_2:N:0:TCTGCAAG+GCTGCACT
ACTTCAAGTACCTGAAC TTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCAC
TCTCGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTG
+
FFF:FFFFFFFF,FF
FF
@A00721:190:HGJW7DSXY:4:2651:8196:1846_1:N:0:TCTGCAAG+GCTGCACT
AATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACA
CAAAAGTGACGCGCAAGTAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTC
CCG
+
FFFFFFF,FF:FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1355:24523:10457_1:N:0:TCTGCAAG+GCTGCACT
CGGTGCGCAGATCGGCACCACTGGTCTCTACGTTAGGGACCGCTGTGCAGAATAACCTTCCCAAAT
CTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCTGTTGCC
CAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1126:21893:25567_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCGATCTAGTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAG
AGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCC
AAT
+
FFFFFFFFF:FFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1449:13512:1407_1:N:0:TCTGCAAG+GCTGCACT
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGA

GAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATC
TCC

+

FFFFFFFFFFFFFFFF:FF
FFFFFFFF:.,FF
FFF

@A00721:190:HGJW7DSXY:4:2238:16278:10081_1:N:0:TCTGCAAG+GCTGCACT
AAGAGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCT
GCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTAAGATCGGAAGAGCACACGT
CTG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2374:5113:16642_2:N:0:TCTGCAAG+GCTGCACT
GTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGT
GAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2254:5719:19852_1:N:0:TCTGCAAG+GCTGCACT
TAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCT
CTC

+

FFFFF:FFF:FF:FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1250:19479:11647_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

:FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1226:13241:8296_1:N:0:TCTGCAAG+GCTGCACT
GTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCCCCACCTGGA
GAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAA
GGT

+

:FFFFFFFFFFFF,FFFFFFFFFFFF:FF:.,FFFFFFFF:FFFFFFFFFFFF:FFFF,FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1340:16541:34679_1:N:0:TCTGCAAG+GCTGCACT
ATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTT
GATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGG
TGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2467:9805:6574_2:N:0:TCTGCAAG+GCTGCACT
GTCTTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATT

+

@A00721:190:HGJW7DSXY:4:2267:26024:37043_1:N:0:TCTGCAAG+GCTGCACT
AAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGAACGTACCTACTCACGAGACGTCATGAAA
GCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTNGATTGTGACCATAAAGCCTC
AGT

+

@A00721:190:HGJW7DSXY:4:2108:25464:26835_2:N:0:TCTGCAAG+GCTGCACT
ATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAAG
ATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTAC

+

@A00721:190:HGJW7DSXY:4:2432:7166:5040_1:N:0:TCTGCAAG+GCTGCACT
GGAGGTGATCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTACAGGACGCCTACGGTGACTTTATGGA
CAAGATGCAAGTTCTTGGAATACTTGTTTCCCTTTTTAGGTTTAGTAGGTGATCTTGACGTCGATT
CTT

+

@A00721:190:HGJW7DSXY:4:2440:2139:18474_2:N:0:TCTGCAAG+GCTGCACT
AAGAAGTCGCTCGGCGTTGTTCTTGAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACC
TTCTGTCAAACCTTCGAGGTTACAGCTACGAGAGGTGATCCCGGATGTGG

+

@A00721:190:HGJW7DSXY:4:1321:30083:14575_1:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
AGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGC
CAG

+

@A00721:190:HGJW7DSXY:4:2271:7184:9831_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATC
CTTTGCACAAGCAATACCTTCCACTGAGTTCATCAGCCAGAGTTTCGA

+

@A00721:190:HGJW7DSXY:4:2164:28556:37043_2:N:0:TCTGCAAG+GCTGCACT
TCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTC
GTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATC

+

@A00721:190:HGJW7DSXY:4:1405:32009:1470_1:N:0:TCTGCAAG+GCTGCACT
GCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTATGAGGATGTGTTGGTCGAAAAATATCG

FF
FFF

@A00721:190:HGJW7DSXY:4:2340:13431:27038_1:N:0:TCTGCAAG+GCTGCACT
GATTAAGACTCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCG
TGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACT
ACC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1227:24985:10441_1:N:0:TCTGCAAG+GCTGCACT
AGGGGTTTTGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTG
ACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTTTTAATGCTTAACAACAAT
GAT

+

FFFFF:FFF:FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1128:24189:24439_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTTGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGG
AGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGAC
GTG

+

FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2608:31467:16564_2:N:0:TCTGCAAG+GCTGCACT
CAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCT
TTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGG

+

FFFFFFFFFFFFFFFFFFFF:FF
FF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1254:18493:33865_2:N:0:TCTGCAAG+GCTGCACT
GGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTA
ACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1662:13729:11960_1:N:0:TCTGCAAG+GCTGCACT
CTATCGTTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAA
AGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATT
ACT

+

FFFFFF,FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1206:2962:27352_2:N:0:TCTGCAAG+GCTGCACT
CGGTACAATCTTACTTGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTC
GATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAG

+

FFFF:FF: :
,FF:F

@A00721:190:HGJW7DSXY:4:2441:2763:14888_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGAATAGGGTCATCAAC

TTAGAACTCGAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGA
CT

+

FFFFFFFF:FF
FFFFFFFF:FF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1519:26404:2096_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGG
GATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTG

+

F:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1336:20799:32221_2:N:0:TCTGCAAG+GCTGCACT
CGTGTGCGAGCCTCGACCCGATTATATGGTATTAACCTTATAAAGGTGAGGAGACCATTTTCTTGCTGAA
ATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTC

+

FFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2357:24695:9439_1:N:0:TCTGCAAG+GCTGCACT
AGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTA
CCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAA
CTG

+

FFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1371:6632:6934_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTTGATACAACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATT
GGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTC

+

FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1174:28899:15405_1:N:0:TCTGCAAG+GCTGCACT
AAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTA
AATGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTA
CGG

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1157:18096:33646_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGAACAACCTTTACTTAGAATGACTCT
ATC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFF: :FFFFFFFF: ,FF:
FFF

@A00721:190:HGJW7DSXY:4:1342:19840:5384_2:N:0:TCTGCAAG+GCTGCACT
ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG
AGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCAT

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2438:28999:23907_2:N:0:TCTGCAAG+GCTGCACT
CAAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACT
GATCTGCCGACTTTAGTCAAGGAAC TTCAATTCCTTCGATGTTTATAT

```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2652:19605:16626_2:N:0:TCTGCAAG+GCTGCACT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TACTTTAAATAGCACCGATTATACTTGACTGTTGATAATATTACAAT

```

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FFFF
@A00721:190:HGJW7DSXY:4:2170:9525:13823_2:N:0:TCTGCAAG+GCTGCACT
ACTTCAAGTACCTGAACCTTTACATTTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCAC
TCTCGGTAATGAGAGTGATTCCCTTAATATTCTAGTAACCGCTATGTG
```

CGG
+
FFFFFFFF:FF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HG1WZDSXY:4:1359:26431:33959 1:N:0:TCTGCAAG+GCTGCACT

```
FFF
@A00721:190:HGJW7DSXY:4:2153:26539:36933_1:N:0:TCTGCAAG+GCTGCACT
GTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGCCATTTCAAGA
GTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCA
ATC
+
```

@A00721:190:HGJW7DSXY:4:1449:14235:2159_1:N:0:TCTGCAAG+GCTGCACT
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAACCTGA
GAAGAATAAAGGGAAAGGTCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATC
TCC

@A00721:190:HGJW7DSXY:4:1433:4227:31516_2:N:0:TCTGCAAG+GCTGCACT
AGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCC
GACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACT

@A00721:190:HGJW7DSXY:4:2375:30572:36965_2:N:0:TCTGCAAG+GCTGCACT
GTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGT
GAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTT

@A00721:190:HGJW7DSXY:4:2370:9607:3411_1:N:0:TCGTCAAG+GCTGCACT
TAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCT
CTC

@A00721:190:HGJW7DSXY:4:1257:1949:21496_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

@A00721:190:HGJW7DSXY:4:1629:25762:18145_1:N:0:TCTGCAAG+GCTGCACT
GTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCACCACCTGGA
GAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAA
GGT

@A00721:190:HGJW7DSXY:4:2511:6045:1438_1:N:0:TCTGCAAG+GCTGCACT
ATTGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTT
GATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGG
TGA

[illegible]

CCGGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAG
AAA

+

FFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1466:3432:6308_2:N:0:TCTGCAAG+GCTGCACT
ACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTC
AGGGTGCCCTGATGAGGACGTTGAAAGGATAATTTCAACTCTGAGAC

+

FFFFF:FF:FF:FFFF:F,:FFFFFFFFF::FFFFFFFFF:
FF,FF,F:FFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2353:30346:32597_1:N:0:TCTGCAAG+GCTGCACT
TCGTATTAGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCA
TCGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTTAT
ACC

+

FFFFFFFFFFFFFF::FFFFFF:FF
F:FF,FF,FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2455:20157:31360_2:N:0:TCTGCAAG+GCTGCACT
TCCAAGTCGCAAACTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTC
AGTTATCGCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGGTTTAC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1375:19524:14982_1:N:0:TCTGCAAG+GCTGCACT
ACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGG
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCA

+

FFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1332:12707:25254_1:N:0:TCTGCAAG+GCTGCACT
AGGTAAGAAGCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGAT
AGGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCACAAACGGA
AAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1574:17978:3975_1:N:0:TCTGCAAG+GCTGCACT
GATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCA
TTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAAGCG
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1314:29008:23484_1:N:0:TCTGCAAG+GCTGCACT
TCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTG
ATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTTCATGGACCTTCCATCCTGTACC
TCT

```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FF
@A00721:190:HGJW7DSXY:4:2456:22444:34287_1:N:0:TCTGCAAG+GCTGCACT
GATTAAGACTCTTCCGAAAGGCCGAACCTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCG
TGACGAACGTGTTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACT
ACC
+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1242:30246:25441_1:N:0:TCTGCAAG+GCTGCACT
AGGGGTTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTG
ACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCAATGAAGTTTTAATGCTTAACAACAAT
GAT
+
FFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1205:31946:21026_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTTGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGG
AGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGAC
GTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2618:30427:12853_2:N:0:TCTGCAAG+GCTGCACT
CAGTCAGTATACCTCTACGCAAAGATATTTTCATGAAAACTACAGAGGAACGTACCGGATTACCTGTCT
TTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF, FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1403:29758:17300_2:N:0:TCTGCAAG+GCTGCACT
GGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTA
ACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1666:10230:33865_1:N:0:TCTGCAAG+GCTGCACT
CTATCGTTTCAAGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAA
AGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATT
ACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1515:23628:1611_2:N:0:TCTGCAAG+GCTGCACT
CGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTC
TATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, FFFFFF, FFFFFFFFFF
FF: FFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:1203:15555:27085_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAAC
TTAGAACTCGAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGA
CTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1574:17219:2503_1:N:0:TCTGCAAG+GCTGCACT
TTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGG
GATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCAATAATCG
CTG

+

FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:1515:29821:24424_2:N:0:TCTGCAAG+GCTGCACT
CGTGTGAGCCTCGACCCGATTATATGGTATTAACCTTATAAAGGTGAGGAGACCATTTTCTTGCTGAA
ATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTC

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:2420:21160:2910_1:N:0:TCTGCAAG+GCTGCACT
AGTCAACACTAGTTCGAGTGCTGCTTTGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTA
CCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAA
CTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2107:19090:4711_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTTGATACAACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATT
GGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2217:25500:1595_1:N:0:TCTGCAAG+GCTGCACT
AAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTA
AATGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTA
CGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1163:15031:22608_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT
ATC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1552:15148:31109_2:N:0:TCTGCAAG+GCTGCACT
ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG

GTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCA
ATC

+

FFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1503:16658:1407_1:N:0:TCTGCAAG+GCTGCACT
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGA
GAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATC
TCC

+

:FFFF:FFFF:,F:FF
FF:,FF:F,,:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1668:17680:28667_2:N:0:TCTGCAAG+GCTGCACT
AGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCC
GACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTGCTACT

+

FF:FFF:FFFFFFFFFFFF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2425:19732:34381_2:N:0:TCTGCAAG+GCTGCACT
GTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTT
GAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTT

+

FF:FFFFFF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2442:32452:17018_1:N:0:TCTGCAAG+GCTGCACT
TAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCT
CTC

+

FFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1309:21884:4413_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

FF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1629:25952:15248_1:N:0:TCTGCAAG+GCTGCACT
GTCAGAAGATGAGGAAGTCTAAGAGGAGGAGTTTGAGGAAGGCTCTAGAGAAGATCTCCCCACCTGGA
GAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATTTGAAGCAGGGGTTACCACTTCCTAA
GGT

+

FF:FF:::FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1158:26630:25003_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTTCCGGGAAGTTGTGGGATTTACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGA
TTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTG
AAA

+
FF,FF:FF,F,F,FFFFFFFFF:FFF,,FFFF,::F:,F,FFF:F,:FFF:F:,FF:F:FFFFFF
FF::F,FFF,:F,FF:F::,FFFFFFFFF,,FFFF:F,F,F:FFFFFFFF:FF:FFF:F::FF,:FF
,FF
@A00721:190:HGJW7DSXY:4:1152:18873:9690_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTG
TCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCC
ATA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2554:24415:19132_1:N:0:TCTGCAAG+GCTGCACT
AAGATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAA
GCTATCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTC
AGT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFF:FFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2261:4237:6167_2:N:0:TCTGCAAG+GCTGCACT
ATATGTTACGACATGGCTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAAG
ATGTTTCATATAGATACGAGATACCTAGAGAAGTTCGCAGCGATCTTAC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2140:18982:11725_2:N:0:TCTGCAAG+GCTGCACT
CTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCTACGGTGACTTTATGGACAAGATGCAAG
TTCTTGGAATACTTGTTCCTTTTATAGTTTAGTAGGTGATCTTG
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFF:FF
FFFFFFFFF,FFF:F,FFFF:FF,FF,FFFF:FFF,FFFFFFFF:
@A00721:190:HGJW7DSXY:4:1677:8693:19053_2:N:0:TCTGCAAG+GCTGCACT
GCTCGGCGTTGTTCTTGAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCA
AACTTCGAGGTTGAGTACGAGAGGTGATCCCGGATGTGGATTGAAGG
+
FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFF,FFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFF:FF:FFF
@A00721:190:HGJW7DSXY:4:1510:8133:13542_1:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
AGAAAAATTTTGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGC
CAG
+
FFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2601:8431:16564_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATC
CTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2507:16324:8688_2:N:0:TCTGCAAG+GCTGCACT
TCTTTTACCTTTTGAGAGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCC

+

@A00721:190:HGJW7DSXY:4:1460:1533:28823_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1470:22788:3818_2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1668:8024:32299 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2566:17481:20212 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1475:22354:26835 1:N:0:TCTGCAAG+GCTGCACT

CCA

 $+$ [illegible]

AGGTTAAGAAAGCCCCCTTGAAGCCGCGTAGTCAAGCCCGTTTACCTGTATCATCAATCAAGATATACCCGAT
AGGGTACCGAGTCTTCAAGAGAATATTTATTCTTATGAGGGCTCGAAACTTCAACGTTTTTCACAACGGA

AGGGTACCGAGTCTCCAAAGAGAAATATTTATTCCTATGAGGCTCGAAACTTCAACGTTTTCACAAACGGA
AAG

 \perp

FFF

TTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAAGCG

TTCTGTGTTTCAAGGACTTCCAATAACTGATCATTTCTGATCATATGATTTTGGACAAATGGTTTCGAAGCG
AAA

+

[illegible]

TATATTAGGTGAAGCGAAATACGATTTTGAACGTCAACGTTACCGAG
+
FFFF:FF:FFFF:FFFFFF:FFFFFFFF
FFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1338:1054:23390_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAAC
TTAGAACTCGAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGA
CTC
+
FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFF::FFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1635:5846:15530_1:N:0:TCTGCAAG+GCTGCACT
TTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGG
GATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTG
+
FFF:FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1604:31801:36965_2:N:0:TCTGCAAG+GCTGCACT
CGTGTGAGCCTCGACCCGATTATATGGTATTAAGTTATAAAGGTGAGGAGACCATTTCTTGCTGAA
ATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTC
+
FF:FF,FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFF:,FFFFFFFF
@A00721:190:HGJW7DSXY:4:1202:25889:15107_1:N:0:TCTGCAAG+GCTGCACT
AGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTA
CCTCGACCACATTAAGGCGGCGGCGACTAATCTTAAAGCTTACCCAAAATGAAGGACACTTCGAAAC
TGA
+
FFFFFFFF:FF
FFFFFFFFFFFF,FF
:FF
@A00721:190:HGJW7DSXY:4:2422:18629:15749_2:N:0:TCTGCAAG+GCTGCACT
TTCTTTTGATACAACTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATT
GGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTC
+
FF:FFFF::FFFFFFFF:F,,F:FFFFFFFF:FFFF:FFFF:FFFFFFFF:FFFFF,FFFFF
FF,FF,FFFFF,,FF:FFF::FFFF,FFF::FFF,FFFF,FFFF
@A00721:190:HGJW7DSXY:4:2341:7871:24862_1:N:0:TCTGCAAG+GCTGCACT
AAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTA
AATGGGTGATAAAAATTATTTAGAGATCTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTA
CGG
+
FFFFF,FF:,F,:FF:FF:,FFFFFF,FFFF,FFF:FF:,FFFF,FF:,,:FFF,F,FFFF,,FFF
F,FFF,FFFFFF:,FFFFFFFFFFFF:,FF,F,,:FFF:FF:FFFFFF:FFF:FFFFFFFF:F:FFF,
:FF
@A00721:190:HGJW7DSXY:4:1169:15474:7028_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGAACAACCTTTACTTAGAATGACTCT
ATC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF

FF
FFF
@A00721:190:HGJW7DSXY:4:1552:23475:7388_2:N:0:TCTGCAAG+GCTGCACT
ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG
AGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCAT
+
FFFFFF:FF
FF
@A00721:190:HGJW7DSXY:4:1161:14127:12461_1:N:0:TCTGCAAG+GCTGCACT
AAATGAGGTCAAAGCTCTATTTATTAAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTG
ATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAAATAGC
AAT
+
FF
FF,FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2303:15655:8594_2:N:0:TCTGCAAG+GCTGCACT
CAAATTTTAGAACTTTATTTACAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTC
AATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAG
+
FFFF:FF
FF:FF
@A00721:190:HGJW7DSXY:4:1411:16595:8813_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATTACAATAGCTCTTTCTCAGAAGATTAGA
GAA
+
FF,FFFFFF,FFFF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2351:7193:14450_2:N:0:TCTGCAAG+GCTGCACT
TAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACA
AACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2444:26910:36260_1:N:0:TCTGCAAG+GCTGCACT
ATGAGAGTGATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTA
AATTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGG
AGT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2138:11044:21934_2:N:0:TCTGCAAG+GCTGCACT
AGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTG
ACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATG
+
FF
FF:FFF:FFF:FFFFF:FFF
@A00721:190:HGJW7DSXY:4:1665:25364:14888_1:N:0:TCTGCAAG+GCTGCACT
CAGACGTGTGCTCTTCGATCTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGA
CGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATT
GAC

+
::FFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFF:FF,F,FFFFFFFF,FFFF:FFFFFF
FF:FFF:FFFF:FF::FFFFFFFF:FFFFFF:,FFF:FFFFFFFFFFFFFFFF:FFFF:F,FF
FFF
@A00721:190:HGJW7DSXY:4:2432:12210:22357_1:N:0:TCTGCAAG+GCTGCACT
GTCAAAAGTCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGA
GTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCA
ATC
+
FFFF:F::FFFF,FFFFFFFF:FFFFFFFFFFFFFF,F,:FFFFFF,::F,F:FFFF::FFFFFFFF
FFFF:FFFFFFFF:F::FFFFFFFF:,FFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFF,F,
FFF
@A00721:190:HGJW7DSXY:4:1510:24632:21355_1:N:0:TCTGCAAG+GCTGCACT
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGA
GAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATC
TCC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2143:11415:32283_2:N:0:TCTGCAAG+GCTGCACT
AGGCCGCTGCTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCC
GACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF,FF
@A00721:190:HGJW7DSXY:4:2443:2474:28260_2:N:0:TCTGCAAG+GCTGCACT
GTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGAAAGAGAATTGCGTGGGT
GAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2443:2239:6245_1:N:0:TCTGCAAG+GCTGCACT
TAATATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGACTTACAAGAGAGAGTGTGAGAGAGTCGCT
CTC
+
FFFF:FFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FF::FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1320:9182:25723_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA
+
F:FFF:FFFF,FF
FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1504:19443:9768_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTACCCTTCCTAAGGTGGATGAGGGAGGT
+
FF
FF

@A00721:190:HGJW7DSXY:4:1217:22327:30232_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGA
TTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTG
AAA

+

FF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1212:3016:13385_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTTATCGTTGTCTGACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTG
TCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCC
ATA

+

FF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2611:1380:33098_1:N:0:TCTGCAAG+GCTGCACT
GATGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTTCATGAAAGC
TATCGGAGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAG
TTG

+

FF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2374:25545:21997_2:N:0:TCTGCAAG+GCTGCACT
ATATGTTACGACATGGCTTCGTAACAACAGTTCGAGGATTGTCTCTCGGGGAAAGTGATTACCAAG
ATGTTTCATATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTAC

+

FF
F:FFFF:FF

@A00721:190:HGJW7DSXY:4:2157:25500:19319_2:N:0:TCTGCAAG+GCTGCACT
CTCTGCTTCTGCGTTACTGAGAGAAAAGATTACAGACGCCACGGTGACTTTATGGACAAGATGCAAG
TTCTTGGAATACTTGTTCCCTTTTTAGGTTTAGTAGGTGATCTTG

+

:FF:FFF,FFFFFFFFFFFF::F
FF,FFFFF,FFFFF,FFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2206:10285:28729_2:N:0:TCTGCAAG+GCTGCACT
GCTCGGCGTTGTTCTTGAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCA
AACTTCGAGGTTACGCTACGAGAGGTGATCCCGGATGTGGATTGAAGG

+

FF:FF:FFFFFFFFFFFF:FFFFFFFF
F:FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1530:24939:24893_1:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
AGAAAAATTTTGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGC
CAG

+

F:FF:FFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2631:4155:3959_2:N:0:TCTGCAAG+GCTGCACT
ACTCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAGATC
CTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGA

+

```

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFF:F:FFFFFFFFFFFF
FFFFFF:FF:FFF:F,FFFFFF:FFF:FFF:FFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2575:22498:30436_2:N:0:TCTGCAAG+GCTGCACT
TCTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTC
GTCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATC

```

TTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAAGCG
AAA

+

:FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2146:25527:13730_1:N:0:TCTGCAAG+GCTGCACT
TCCGAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTG
ATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTTCATGGACCTTCCATCCTGTACC
TCT

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2624:12653:11036_1:N:0:TCTGCAAG+GCTGCACT
GATTAAGACTCTTCCGAAAGGCGAAGCTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCG
TGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACT
ACC

+

FFFFFFFFFFFFFFFF:FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1363:15112:36464_1:N:0:TCTGCAAG+GCTGCACT
AGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTG
ACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTTTAAATGCTTAACAACAAT
GAT

+

FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1419:6614:29919_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTTGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGG
AGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGTTAATTCTAAACATTACCCGAAAGAC
GTG

+

FFFFF:F:F,FFF:FFFF:FFFFFFFF,FFFF:FFF,FFFFFFFF:F
::FF
FFF

@A00721:190:HGJW7DSXY:4:2322:3694:32910_2:N:0:TCTGCAAG+GCTGCACT
TCTACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAA
TGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGG

+

FFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2123:18873:19523_2:N:0:TCTGCAAG+GCTGCACT
GGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTA
ACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACT

+

FFFFFFF:FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2321:7148:26428_1:N:0:TCTGCAAG+GCTGCACT
CTATCGTTCAGGTGCATGGGGTTGGATAGCCAATATTGAAGTGGACACCTCTGGTAGTATCGAAGTAA
AGATAACCAATAAGGAAGGAGCTTATACTATGGTTGAATCAACTAAGCATACTACTTTTGCTTTGATT
ACT

[illegible]

@A00721:190:HGJW7DSXY:4:1365:10673:3537_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT
ATC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1575:6216:20807_2:N:0:TCTGCAAG+GCTGCACT
ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG
AGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCAT

+

FF
FF
FFFFF,FFFFF

@A00721:190:HGJW7DSXY:4:1219:32289:19022_1:N:0:TCTGCAAG+GCTGCACT
AAATGAGGTCAAAGCTCTATTTATTACACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCACTG
ATCTGCCGACTTTAGTCAAGGAAGTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGC
AAT

+

FF,:::FF:FFF:, :F,FF:FFFF:, ,FFFF,F,:F,FF,FF:FFFFF:F,,FFFF,FFFFFFFF
,F:,,,FFF:FFF,:FFFF,FFF,F:F:FFFFFFFFFFFFFFFFFFFF,:F,F:FF:F:FFFF:F:FFFF
:FF

@A00721:190:HGJW7DSXY:4:2416:17219:36918_2:N:0:TCTGCAAG+GCTGCACT
CAAATTTTAGAACTTTATTTTACGAAGTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTC
AATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAG

+

FF
FF
FFFFFFFFF:FFF
FFFFFFFF:FFFFFFFF:FFF,FFF,F:FFF:FFF:FF:FFFFFFFF,F,

@A00721:190:HGJW7DSXY:4:2203:15727:26757_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATTACAATAGCTCTTTCTCAGAAGATTAGA
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2522:6253:14606_2:N:0:TCTGCAAG+GCTGCACT
TAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACA
AACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTG

+

FFFFFFFFF:FF
FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:1141:11153:26600_1:N:0:TCTGCAAG+GCTGCACT
GAGAGTGATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAA
TTTGATAGCAATTTATGTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGGAG
TAC

+

F:F:FFFFFFFFF:FF::F,FFF:FFF:F:F,FFFF:FF:FFFF:FFFFFFFF,FFFF:FFFF
F,FFFFFFFF,:FFF::FFFF::FFFFFFFFFFFFFFFFFFFF:FFF,FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2154:22128:27070_2:N:0:TCTGCAAG+GCTGCACT
AGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTG
ACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2133:32560:11788_1:N:0:TCTGCAAG+GCTGCACT
CAGACGTGTGCTCTTCCGATCTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGA
CGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATT
GAC

+

F:FFFFFFFF,FFFFFFFF:FF:FFFF:F:FFF,FFFFFFFFFFFF:F:FFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,FF::FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1424:16857:25551_2:N:0:TCTGCAAG+GCTGCACT
CAAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGT
GGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACG

+

FF:FFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2475:17526:29590_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGG
AAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCC
TAA

+

FFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1151:29912:34350_2:N:0:TCTGCAAG+GCTGCACT
ATGCCGCTGCTACGAAGTCGCTGAAGGCGCTTGGGGCATTAAGGGTAGCTGTAAAGTTGCGCCTGCC
GACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACG

+

F,F:F,FFF::FFFFFFFFFFFF,,:FFF:,FF,FF,F::F,,:F,,FF,F:,F,,:F:,FF:F
:FFF:FF:FFFFFFFFFFFF:FFF,FFF:FFFF,F,FFFF,F::FFFF,

@A00721:190:HGJW7DSXY:4:2458:30300:31140_2:N:0:TCTGCAAG+GCTGCACT
GTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTT
GAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTT

+

FFFFF:FFF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2536:27037:34851_1:N:0:TCTGCAAG+GCTGCACT
TAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCT
CTC

+

F:FFFFFFFF,F:F:F,FF:FFFF::FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:
FF:FFFFFFF::FFF,,FFF:FFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF,F:FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1357:23267:15546_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGTCCTTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

:FF:FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1530:2528:22874_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG

GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGT

FFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1440:12816:33176_2:N:0:TCTGCAAG+GCTGCACT
AATCAGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAATATC
CTTTGCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGA

+
F,:FFFFFFFFFFFF:F,,FF:FFFFFFFF,F:FF:F,FFFF:F,FF,F::F::,F,F,FFFF,FF,
F::FF::,F:F,FF:F,:F:FFF,FF,FFFF,FFFF,FFF:F,,F

@A00721:190:HGJW7DSXY:4:2164:28556:37043_1:N:0:TCTGCAAG+GCTGCACT
CTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTCCG
TCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATT

+
FF
FF

@A00721:190:HGJW7DSXY:4:2146:20537:17707_1:N:0:TCTGCAAG+GCTGCACT
GCCACTTCTAATTTTAGGAAACGTGCGGAAAAGAAAGTTTCATGAGGATGTCTTGGTCGAAAAATATCG
CCGGAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAG
AAA

+
FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1564:3577:9659_2:N:0:TCTGCAAG+GCTGCACT
ACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTC
AGGGTGCCCTGATGAGGACGTTGAAAGGATAATTTCAACTCTGAGAC

+
FF,FFFF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2477:19000:24502_2:N:0:TCTGCAAG+GCTGCACT
TATTAGAACAGCTGATTCTTATTGCATGAACGTGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCG
ACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATC

+
FF
FF

@A00721:190:HGJW7DSXY:4:2455:20157:31360_1:N:0:TCTGCAAG+GCTGCACT
CGCAAACACTTCAACATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATC
GCTGCCCGCCGACGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGAAT
TCG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2106:26747:3505_1:N:0:TCTGCAAG+GCTGCACT
ACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGG
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCA

+
FFF:FFF:FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1225:7301:36558_1:N:0:TCTGCAAG+GCTGCACT
GGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGGTTTAGCTGTATCATCAGTCAGAGTATACCCGATA
GGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTACAACGGAA
AGA

[illegible]

```
FFF,FFFFFFFF,,FF:F:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF::,
FF:FFFFFFFF:FFFFFFFF:F:FFFF,FFF,FFFFFF:,FFFF:FFFFFFFF:~FFFFFFFF:FFF:
F,,
```

@A00721:190:HGJW7DSXY:4:2374:32009:27211_2:N:0:TCTGCAAG+GCTGCACT
TCTTCCGAAAGGCCAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCGTGACGAAC
GTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTC

```
F,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

```
FF:FF:FFFFFFFF:F:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

@A00721:190:HGJW7DSXY:4:2221:14055:22420_2:N:0:TCTGCAAG+GCTGCACT
GGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTA
ACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACT

@A00721:190:HGJW7DSXY:4:2227:13286:31641_2:N:0:TCTGCAAG+GCTGCACT
CGGTACAATCTTACTTGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTC

TATATTAGGTGAAGCGAAATACGATTTGGAACGTCAACGTTACCGAG

+

FF:FFFFFF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1609:32000:21402_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAAC
TTAGAACTCGAACTCTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGA
CTC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2368:15619:18458_1:N:0:TCTGCAAG+GCTGCACT
TTTCTACGATACAAATGATACTTCTAATTTACGTTTGTACTCAGAGCTGGTCTCTCAGCAAAGG
GATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2272:8205:8844_2:N:0:TCTGCAAG+GCTGCACT
CGTGTGAGCCTCGACCCGATTATATGGTATTAACCTTATAAAGGTGAGGAGACCATTTCTTGCTGAA
ATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTC

+

FFFFFFFFF::FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1644:22381:19680_1:N:0:TCTGCAAG+GCTGCACT
AGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTA
CCTCGACCACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAAC
TGA

+

FFFFFFF::FFFFFFFFF:FFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:F
:FFFF,FFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF::FFFF:FFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1329:7780:20353_2:N:0:TCTGCAAG+GCTGCACT
ATACAACCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGTTGCTATTCACCAGATTGGTTCGAA
CCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAG

+

FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFF
FFFF:FFFF:F,FFFFFFFF,FFFF:FFF,FF:FFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1119:20609:25160_2:N:0:TCTGCAAG+GCTGCACT
ACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAA
TGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF,FFF:FFF
:FFFFFFFF:F:FFF:FFFFFFFF:F::F:FFFFFFFF:FFFF,,

@A00721:190:HGJW7DSXY:4:1461:20735:31548_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACTCT
ATC

+

FF
FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

FFF

@A00721:190:HGJW7DSXY:4:1606:24325:13244_2:N:0:TCTGCAAG+GCTGCACT
ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG
AGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1252:8350:24377_1:N:0:TCTGCAAG+GCTGCACT
AAATGAGGTCAAAGCTCTATTTATTAAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCACTG
ATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAAATAGC
AAT

+

FFFFFFFFFFFF,FF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2527:30969:14857_2:N:0:TCTGCAAG+GCTGCACT
CAAATTTTAGAAGCTTTATTTACAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTC
AATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAG

+

FFF:FF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2230:30987:6245_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATTACAATAGCTCTTTCTCAGAAGATTAGA
GAA

+

FF
FF,FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1627:17445:22968_1:N:0:TCTGCAAG+GCTGCACT
TAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACA
AACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTAAATGGT
AT

+

:FF:FFFFFFFF:F,FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF:::FFFFF:FFFFFFFFFFFFFFFFFFFF
:FFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1172:13702:35180_1:N:0:TCTGCAAG+GCTGCACT
GAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAA
TTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGGAG
TAC

+

FFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2256:4788:19648_2:N:0:TCTGCAAG+GCTGCACT
AGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTG
ACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATG

+

FF:FFFFFFF
FF:FFFF:FF:FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2363:3007:33442_1:N:0:TCTGCAAG+GCTGCACT
CAGACGTGTGCTCTTCGATCTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGA
CGACCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATT
GAC

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1661:10691:5760_2:N:0:TCTGCAAG+GCTGCACT
CAAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTGACAATACAGTTCTGCCATTTCAAGAGA
GGTCAATACGTCGTGGGAGGTACAGAAGCCTTACCCTCCGCTGGCACG
+
::FFFF,FFFF,FFFFF,FFFF:,F:FF,FFF,,FF,:F:,F:FFFF::,,F,F:F,FFFF,,
FF,FFFF,,:F,FFF,F,,FFF,,FF,:F,F,F,F,FFF,F:,FFFF
@A00721:190:HGJW7DSXY:4:2644:15980:15671_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGG
AAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCC
TAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2409:20763:25833_2:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTATGAGCAAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1273:1443:29919_1:N:0:TCTGCAAG+GCTGCACT
GGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGC
CGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTATC
CGC
+
FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1607:27588:17174_2:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGA
+
FFFFFFFFFFFFFFFF:FFFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1373:20844:33583_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA
+
F:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1619:7654:25426_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGT
+
FF
FF,F:FF
@A00721:190:HGJW7DSXY:4:1245:8693:34616_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGA

$+$

@

+

@

+

©

 $+$

@

+

@

+

©

+

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F
FFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

@A00721:190:HGJW7DSXY:4:2652:4824:26318_1:N:0:TCTGCAAG+GCTGCACT
GATGATTTTATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCA
TTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCAAGCG
AAA

+

FFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1314:29008:23484_2:N:0:TCTGCAAG+GCTGCACT
GAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATG
CGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCATGG

+

FF
FFF:FF

@A00721:190:HGJW7DSXY:4:2412:27597:3349_2:N:0:TCTGCAAG+GCTGCACT
TCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAACT
GTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCATC

+

FF
F:FF

@A00721:190:HGJW7DSXY:4:1429:29134:34100_1:N:0:TCTGCAAG+GCTGCACT
AGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTG
ACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCAATGAAGTTTTAATGCTTAACAACAAT
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2153:23149:15843_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTTGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATTACGGTCAGGG
AGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGAC
GTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1433:14018:31657_1:N:0:TCTGCAAG+GCTGCACT
GACTGGAGTTCAGACGTGTGCTCTTCCGATCTGGAACGTACCGATTACCTGTCTTTCATATTATGAA
TGAACCTTCGCCGCTCTCTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACG
TAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2362:17336:30733_2:N:0:TCTGCAAG+GCTGCACT
GGGTAATTACACCTAAACGAGCTCGATCTGCCATCGCTGAAGGATGTGCACTCTTTTCTGCTACTTTA
ACGGAGCGTAGTGTACTCTTCGTCGATTGTATCAACAGTAACATTACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2401:11776:7795_2:N:0:TCTGCAAG+GCTGCACT
CGGTACAATCTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTC
TATATTAGGTGAAGCGAAATACGATTTCAACGTCAACGTTACCGAG

+

@A00721:190:HGJW7DSXY:4:2368:10990:15922_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCAGTCTTCTGATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAAC
TTAGAACTCGAAACTCTAAGTGGTAATACTGTCTTCCAAAGCTTACCTGTATCTTCAATGAAATTGGA
CTC

@A00721:190:HGJW7DSXY:4:2523:23990:6746_1:N:0:TCTGCAAG+GCTGCACT
TTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGG
GATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTG

@A00721:190:HGJW7DSXY:4:2424:21332:8375_2:N:0:TCTGCAAG+GCTGCACT
CGTGTCTGAGCCTCGACCCGATTATATGGTATTAACCTTATAAAGGTGAGGAGACCATTTTCTTGCTGAA
ATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTC

@A00721:190:HGJW7DSXY:4:1661:23167:14309_1:N:0:TCTGCAAG+GCTGCACT
AGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTA
CCTCGACCACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAAC
TGA

@A00721:190:HGJW7DSXY:4:1421:19804:28745_2:N:0:TCTGCAAG+GCTGCACT
ATACAACCTCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACACAGATTGGTTCGAA
CCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAG

@A00721:190:HGJW7DSXY:4:1212:24216:13401_2:N:0:TCTGCAAG+GCTGCACT
ACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAA
TGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAAT

@A00721:190:HGJW7DSXY:4:1462:27172:33865_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGGAACAACCTTTACTTAGAATGACTCT
ATC

@A00721:190:HGJW7DSXY:4:1677:26738:23876_2:N:0:TCTGCAAG+GCTGCACT
ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG

+

@A00721:190:HGJW7DSXY:4:1272:23249:36213_1:N:0:TCTGCAAG+GCTGCACT
AAATGAGGTCAAAGCTCTATTTATTAACGAAGCTATTATCCGATTCTTCGAGGGTATCACTACCACTG
ATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGC
AAT

+

@A00721:190:HGJW7DSXY:4:2610:12753:26209_2:N:0:TCTGCAAG+GCTGCACT
CAAATTTTAGAACTTTATTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTC
AATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAG

+

@A00721:190:HGJW7DSXY:4:2621:22092:4116_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGAAGAGGTCTATGATATTTATTTTACTTA
TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATTACAATAGCTCTTTCTCAGAAGATTAGA
GAA

+

@A00721:190:HGJW7DSXY:4:2625:31593:18818_1:N:0:TCTGCAAG+GCTGCACT
GATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATT
CTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTTAATGGTATGGTAT
AAT

+

@A00721:190:HGJW7DSXY:4:1172:13856:34507_1:N:0:TCTGCAAG+GCTGCACT
GAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAA
TTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAAGGAG
TAC

+

@A00721:190:HGJW7DSXY:4:2451:1859:29011_2:N:0:TCTGCAAG+GCTGCACT
AGCTTTAGTATTATTTACTATCGCCTTTATTGAAATTGTATAAGAGTTAATTGCTTACACAAAAGTG
ACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATG

+

@A00721:190:HGJW7DSXY:4:1203:3685:17112_2:N:0:TCTGCAAG+GCTGCACT
CGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGA
CCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCAACCG

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF  
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
```

@A00721:190:HGJW7DSXY:4:1102:8838:2268_1:N:0:TCTGCAAG+GCTGCACT
AAAAGTCACATTCACTCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTG
GTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATC
AAT

+

FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1523:23068:16485_1:N:0:TCTGCAAG+GCTGCACT
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGA
GAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATC
TCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2542:7581:36323_2:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAT

+

FF
F,FF
F,FF

@A00721:190:HGJW7DSXY:4:1315:10592:29888_1:N:0:TCTGCAAG+GCTGCACT
GGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGC
CGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATC
CGC

+

FF:FFFFFFFF:FFFFFF:,FF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2125:25292:16892_2:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCCTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1377:19976:26287_1:N:0:TCTGCAAG+GCTGCACT
TTTCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTACAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

FF
FF,FF
FFF

@A00721:190:HGJW7DSXY:4:1663:29921:2487_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1347:17137:5776_1:N:0:TCTGCAAG+GCTGCACT
TGGTCATTCTGGAAGTTGTGGGATTTAAGTTTACTCAACTAATCCGATCAGATCCGGATGGTTTGA
TTGGTATGGACTACTCGACTTTTGATCTGGTGTGTCTAGGGTCATGGCAGATACTACCGATATGGTG
AAA

+
FF,F,,:F:F,F:F,,:FFF:FFFFFFFF,,FFF,F,:,,,:F,,F,F:F,F,:F:FFFFFFFF
FFF:F:FF,FFF,FF:FF,FFFF:FFFFFF,FFFF,FFFF,FFFF,:FF:FF::FF,FFF,,,F,
:,F

@A00721:190:HGJW7DSXY:4:1553:25943:8719_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGCTTATTG
TCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCC
ATA

+
FFFFFFFFF:FFFF:FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1540:7853:29058_1:N:0:TCTGCAAG+GCTGCACT
TGCATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTA
TCGGAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTT
GCG

+
F:FFF:,::FFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFFF,FFFFFFFFFFFFFFFFFFFFF,F::FFFFFFF:FFFFFFFFFFFFF,F,FFFF:F,FFF
FFF

@A00721:190:HGJW7DSXY:4:1406:30599:18129_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATAC
GAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAA

+
FF
FF

@A00721:190:HGJW7DSXY:4:2259:10682:22122_1:N:0:TCTGCAAG+GCTGCACT
AAAAGATTACAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCTC
TTTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCT
TGA

+
FFFFF,FFFF:FFFF:FF::FF,FFFFFFFFF,:FFFF,FFF:FFFF:F:FFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2678:5113:23657_2:N:0:TCTGCAAG+GCTGCACT
TTGTTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTCGA
GGTTCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCT

+
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFF,FFFFFFFFF,FFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2328:12274:19492_1:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
AGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGC
CAG

+
FFFFFFFFFFFFFFF:FF
FFF
F:F

@A00721:190:HGJW7DSXY:4:2102:31928:29888_2:N:0:TCTGCAAG+GCTGCACT
AGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTT
GCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTC

+
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFF
FFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1169:17110:4382_1:N:0:TCTGCAAG+GCTGCACT
CTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCG
TCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTC
TTT

+

FF,FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2342:20808:15483_1:N:0:TCTGCAAG+GCTGCACT
GCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGTCGAAAAATATCG
CCGGAACTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAG
AAA

+

F:FF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2572:1542:23015_2:N:0:TCTGCAAG+GCTGCACT
ACTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTGTGGGGACTGAGACCTCTGAATTTTC
AGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGAC

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1176:26937:33395_2:N:0:TCTGCAAG+GCTGCACT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGA
ATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1226:15121:14058_2:N:0:TCTGCAAG+GCTGCACT
CTACTTCAACATCAACGACATCATTCTTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCC
CGGCCGACGTTTGTGCGGAACTCTCAGAGGTTTACGGCAGAAAAATT

+

FFFFFFFFFFFFFFFFFFFF:FF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2239:27037:20917_1:N:0:TCTGCAAG+GCTGCACT
ACCCCTTATCTCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGG
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCA

+

F:F,FFFF,FFF:FF:FFFF:FFF,FFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFF,,F::F
FFFFFFFFF::FFFFFFFF:FFFFFF:FFFFFFFF::FFF,F:F:FFFFFFFFFFFF,FF,FFFF,F
FFF

@A00721:190:HGJW7DSXY:4:1272:3269:25410_1:N:0:TCTGCAAG+GCTGCACT
GGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGGTTTAGCTGTATCATCAGTCAGAGTATACCCGATA
GGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCAACACGGAA
AGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2670:24162:33880_1:N:0:TCTGCAAG+GCTGCACT
GATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCA
TTCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCAAGCG
AAA

+
:FF
:FF
FFF
@A00721:190:HGJW7DSXY:4:2145:12509:24095_2:N:0:TCTGCAAG+GCTGCACT
GAGAGGTTTATCCTGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATG
CGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATTCATGG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2416:25789:3881_2:N:0:TCTGCAAG+GCTGCACT
TCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACTAACT
GTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCATC
+
FFFFFF:FFFFFFFF:F:,F::F,FFFFFFFFFFFFFF,FFFFFF,,:FFF,FFFF:F,F,F,:F,F:FF
:F,,:FFFFFFFFFFFFFF:FFFFFF,FFFFFF:FFF:FFFF,FFFFFF
@A00721:190:HGJW7DSXY:4:1631:15058:11256_1:N:0:TCTGCAAG+GCTGCACT
AGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTG
ACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCAATGAAGTTTAAATGCTTAACAACAAT
GAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1158:20726:21198_2:N:0:TCTGCAAG+GCTGCACT
TTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGA
GGATTCTCAGTTTACAAGGACCTTAAGCGATTGATCGGGGTAAATTCT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1445:18647:20603_1:N:0:TCTGCAAG+GCTGCACT
GACTGGAGTTCAGACGTGTGCTCTTCCGATCTGGAACGTACCGGATTACCTGTCTTTCATATTATGAA
TGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACG
TAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2474:28863:1689_2:N:0:TCTGCAAG+GCTGCACT
CGGTACAATCTTACTTGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTC
TATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTACCGAG
+
FF:FFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2472:24903:19727_1:N:0:TCTGCAAG+GCTGCACT
ATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAACT
CTAAGTGGTAATACTGTCTTCCAAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGA
CAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2523:25003:7435_1:N:0:TCTGCAAG+GCTGCACT
TTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGG

GATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTG

+

FFFF,FFF:FFFFFFFFFFFF:FFF:FFFFFFFF,FFF,FFF:FFFFFFFFFFFFFFFFFF:FFFFFF
:FFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2424:21911:8469_2:N:0:TCTGCAAG+GCTGCACT
CGTGTGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGCTGAA
ATTTATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTC

+

FFFFFFFF:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2349:30526:16407_1:N:0:TCTGCAAG+GCTGCACT
AGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTA
CCTCGACCACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAAC
TGA

+

FF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1521:27127:32440_2:N:0:TCTGCAAG+GCTGCACT
ATACAACCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACAGATTGGTTCGAA
CCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAG

+

FF:FFFF:FFFF:FF:FFFFFFFF:FFFFFFFF,FFFFFF:FF:,FFFF,FF:FFFFFFFF,FF
FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:1341:17345:10802_2:N:0:TCTGCAAG+GCTGCACT
ACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAA
TGGGTGATAAAAATTATTAGAGATCTTTCTACTTACAAAGGACAAT

+

:FFFF:FFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF:
FFFFFFFFFFFF,FFFFFF:FF:FF:FFFFFFFF:FFFFFF:FF:FF

@A00721:190:HGJW7DSXY:4:1466:17372:10723_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTACTTAGAATGACTCT
ATC

+

FFFFFFFFFFFF:FF:FFFFFF
FFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2108:28845:5228_2:N:0:TCTGCAAG+GCTGCACT
ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG
AGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1361:22037:18145_1:N:0:TCTGCAAG+GCTGCACT
AAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCACTG
ATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGC
AAT

+

FFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1204:19696:10081_2:N:0:TCTGCAAG+GCTGCACT
AATTTTAGAACTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAA
TAAGATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCG

+

FFFFFFFFFFFFFF:FF:FF,FFFF
FFF:FFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFF:FFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2637:4363:35509_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATTACAATAGCTCTTCTCAGAAGATTAGA
GAA

+

FFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2652:2564:10817_1:N:0:TCTGCAAG+GCTGCACT
GATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATT
CTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAATGGTATGGTAT
AAT

+

FFF
FFFFFFFFF:FFFFFF:FFF,FFF:FFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:1375:14832:8108_1:N:0:TCTGCAAG+GCTGCACT
GAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAA
TTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAAGGAG
TAC

+

FFFFFFFFFFFFFFF:FFFFFFF:FFF
FFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2470:3568:20134_2:N:0:TCTGCAAG+GCTGCACT
AGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTG
ACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:1519:13548:29496_2:N:0:TCTGCAAG+GCTGCACT
CGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGA
CCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCG

+

FFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FF:FFF

@A00721:190:HGJW7DSXY:4:1203:12518:9079_1:N:0:TCTGCAAG+GCTGCACT
AAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTG
GTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCAAGCCAATC
AAT

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1543:27073:13745_1:N:0:TCTGCAAG+GCTGCACT
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGA
GAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATC
TCC

@A00721:190:HGJW7DSXY:4:1469:7907:19257_1:N:0:TCTGCAAG+GCTGCACT
ATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCG
GAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGATTGTGACCATAAAGCCTCAGTTGCG
ATA

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2132:29478:28933_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTAACAACAGTGCAGGATTGTCTCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATAC
GAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2263:4553:33708_1:N:0:TCTGCAAG+GCTGCACT
AAAAGATTGAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCC
TTTTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCT
TGA

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1161:20781:25582_1:N:0:TCTGCAAG+GCTGCACT
TTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGT
TCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAA
TGT

+

FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2355:20582:35258_1:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAATTTTTTAGATCTTCTTGATAATCTTAA
ATAAAAAATTTTGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGC
CAG

+

:FF,,F::FFFF,FFF::F,FFFF,FFF:::F,FFFFFF,,:FFFF,,FFFFFFFF,FF:,FFFF:
F,,FF:FFFFFF::F:F:,,:FFF,:F::FFFF,FF,,:FFFFFFFF,FFFF:FFFF:FF:,FF
:F:

@A00721:190:HGJW7DSXY:4:2176:15854:15327_2:N:0:TCTGCAAG+GCTGCACT
AGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTT
GCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1253:10972:31109_1:N:0:TCTGCAAG+GCTGCACT
CTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCG
TCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTC
TTT

+

F:FF
FFFFFFF:FF
FF:

@A00721:190:HGJW7DSXY:4:2456:13548:2597_1:N:0:TCTGCAAG+GCTGCACT
GCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGCTCGAAAAATATCG

@A00721:190:HGJW7DSXY:4:2531:5656:33896_2:N:0:TCTGCAAG+GCTGCACT
TCTTCCGAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCGTGACGAACT
GTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2141:15637:5713_1:N:0:TCTGCAAG+GCTGCACT
AGGGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTG
ACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTTTTAATGCTTAACAACAAT
GAT

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1172:22426:23578_2:N:0:TCTGCAAG+GCTGCACT
TTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGA
GGATTCTCAGTTTACAAGGACCTTAAGCGATTGATCGGGGTTAATTCT

+

FF
FFFFFF:FF

@A00721:190:HGJW7DSXY:4:2612:5972:16344_1:N:0:TCTGCAAG+GCTGCACT
GACTGGAGTTCAGACGTGTGCTCTTCCGATCTGGAACGTACCGGATTACCTGTCTTTCATATTATGAA
TGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACG
TAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2577:1533:35650_2:N:0:TCTGCAAG+GCTGCACT
CGGTACAATCTTACTTGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTC
TATATTAGGTGAAGCGAAATACGATTTTCAACGTCAACGTTACCGAG

+

FFFFFFFFFFF,FFF:FFF
FFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2540:27425:19053_1:N:0:TCTGCAAG+GCTGCACT
ATCGTAAGAAGTTTATAAGGAACATATCCATTTGTTGAATAGGGTCATCAACTTAGAACTCGAACT
CTAAGTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGGACTCTTCGATAGGGGA
CAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2621:1850:12712_1:N:0:TCTGCAAG+GCTGCACT
TTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGG
GATGCATGGTGTTATCTCCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTCGTCAATATCG
CTG

+

F:FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1157:26738:26224_2:N:0:TCTGCAAG+GCTGCACT
GTGAGCCTCGACCCGATTATATGGTATTAATTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATT
TATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGAT

+

FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:F
 FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
 @A00721:190:HGJW7DSXY:4:2366:1362:22827_1:N:0:TCTGCAAG+GCTGCACT
 AGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTA
 CCTCGACCACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAAC
 TGA
 +
 FF
 FF:FFF:FFFFFFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:2515:18945:3677_2:N:0:TCTGCAAG+GCTGCACT
 ATACAACCTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGTTTCGAA
 CCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAG
 +
 FFFF:FF,FFFFFFFF
 FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFF
 @A00721:190:HGJW7DSXY:4:1434:17400:27774_2:N:0:TCTGCAAG+GCTGCACT
 ACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAA
 TGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAAT
 +
 FFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF,FFF
 FFFFFFFFFFFFF,FFFFFF,FFFFFFFFFFFFFFFFFFFFF:F:FFFF:,
 @A00721:190:HGJW7DSXY:4:1473:31259:32800_1:N:0:TCTGCAAG+GCTGCACT
 TTTTGTACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
 CGGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGGAACAACCTTTACTTAGAATGACTCT
 ATC
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
 FF
 FF:
 @A00721:190:HGJW7DSXY:4:2210:27190:21151_2:N:0:TCTGCAAG+GCTGCACT
 ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG
 AGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCAT
 +
 FFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF:
 FFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFF:FF
 @A00721:190:HGJW7DSXY:4:1413:25744:11882_1:N:0:TCTGCAAG+GCTGCACT
 AAATGAGGTCAAAGCTCTATTTATTAACGAACACTATTATCCGATTCTTCGAGGGTATCACTACCACTG
 ATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGC
 AAT
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 FF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
 FFF
 @A00721:190:HGJW7DSXY:4:1206:28275:18020_2:N:0:TCTGCAAG+GCTGCACT
 AATTTTAGAACTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAA
 TAAGATGTATGATGATAATCTACTATTTTTTAAATAGTGATATTCAGCG
 +
 FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
 FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
 @A00721:190:HGJW7DSXY:4:2637:5132:33927_1:N:0:TCTGCAAG+GCTGCACT
 ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTA
 TACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATTACAATAGCTCTTTCTCAGAAGATTAGA
 GAA

+
FF
FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2659:9326:22623_1:N:0:TCTGCAAG+GCTGCACT
GATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATT
CTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACATTTTTAATGGTATGGTAT
AAT
+
FF
:FF,FFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1667:32497:5635_1:N:0:TCTGCAAG+GCTGCACT
GAGAGTGTATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAA
TTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAAACTCCATTGTATAGTTCAAGGAG
TAC
+
FF
:FF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2607:29984:23547_2:N:0:TCTGCAAG+GCTGCACT
AGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTG
ACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATG
+
FF
FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2164:14353:29168_2:N:0:TCTGCAAG+GCTGCACT
CGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGA
CCACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCG
+
FFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1336:21522:27555_1:N:0:TCTGCAAG+GCTGCACT
AAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTG
GTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCAAGCCAATC
AAT
+
FFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2213:32389:16313_1:N:0:TCTGCAAG+GCTGCACT
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAACCTGA
GAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATC
TCC
+
FFFFF,FFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFF
FFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1103:30743:28557_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAAGGCTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTGCTCACTGA
GGA
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:1509:15203:29825_1:N:0:TCTGCAAG+GCTGCACT
GGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGC
CGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATC
CGC

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

@A00721:190:HGJW7DSXY:4:2465:30834:24173_2:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGA

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF;FFFF;FFFFFFFFFFFFFF;
```

@A00721:190:HGJW7DSXY:4:1422:29640:15499_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2158:2627:6292_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGACGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGATGATGAAGAAG
GATTATTTGAAGCAGGGGTACCACCTTCCTAAGGTGGATGAGGGAGGT

+

```
FFF,:F:FFFFFF,F,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF,,FFFFFF,FFF
FF:FFFFFF:FFFF,FF,F,FFFFFFFFFFFF:FFFFF:,FFFFFFF::
```

@A00721:190:HGJW7DSXY:4:1363:22553:34225_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGA
TTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTG
AAA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2657:23963:14184_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTG
TCGCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCC
ATA

+

[illegible]

@A00721:190:HGJW7DSXY:4:1508:11071:25426_1:N:0:TCTGCAAG+GCTGCACT
ATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCG
GAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCG
ATA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2168:30355:25128_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTTCATATAGATAC
GAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAA

@A00721:190:HGJW7DSXY:4:2446:23095:29716_1:N:0:TCTGCAAG+GCTGCACT
AAAAGATT CAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTTCCC
TTTTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCT
TGA

@A00721:190:HGJW7DSXY:4:1238:28628:28275_1:N:0:TCTGCAAG+GCTGCACT
TTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAAC TTCGAGGT
TCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAA
TTT

@A00721:190:HGJW7DSXY:4:2364:4562:28588_1:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
AGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGC
CAG

@A00721:190:HGJW7DSXY:4:2534:4399:8547_2:N:0:TCTGCAAG+GCTGCACT
AGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTT
GCACAAGCAATACCTTCCACTGAGTTCATACCCAGAGTTTCGACGTC

@A00721:190:HGJW7DSXY:4:1337:17924:26490_1:N:0:TCTGCAAG+GCTGCACT
CTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCG
TCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTC
TTT

@A00721:190:HGJW7DSXY:4:2570:24840:17143_1:N:0:TCTGCAAG+GCTGCACT
GCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTCATGAGGATGTCTTGGTCGAAAAATATCG
CCGGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAG
AAA

@A00721:190:HGJW7DSXY:4:1344:27859:13260_1:N:0:TCTGCAAG+GCTGCACT
TGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTTGGGGACTGAGACCTCTGAATTTTCAG

GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGAC
CAG

+

FFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1405:22073:34741_2:N:0:TCTGCAAG+GCTGCACT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGA
ATTATTCATGATTACGCTGGTCAGACCCTTTTTCTTACACATCTACT

+

:FF
FF

@A00721:190:HGJW7DSXY:4:1414:29758:8500_2:N:0:TCTGCAAG+GCTGCACT
CTACTTCAACATCAACGACATCATTCTTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCC
CGGCCGACGTTTGTGCGGAACTCTCAGAGGTTTACGGCAGAAAAATTT

+

FF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:2248:20057:20885_1:N:0:TCTGCAAG+GCTGCACT
ACCCCTTATATCGAGGCTATCGAGGACGTTGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGG
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCA

+

FFFF:,FFFF:FFFF:FF,FFFFFFFF,,FFFFFFFF,FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFF,F
FFFFFFFFFFFF:F:FFF,FFFF:FFFF:FFFF:FFFFFFFFFFFF:F:FFFFFFFFFFFF:FFFFFFFF::
FFF

@A00721:190:HGJW7DSXY:4:1452:6470:6527_1:N:0:TCTGCAAG+GCTGCACT
GGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATA
GGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCAACGGA
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2534:18873:16172_1:N:0:TCTGCAAG+GCTGCACT
ATGATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTGTTGTGCTGGGGACGATTCCAT
TCTGTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCAAGCGA
AA

+

FFF:FF:FFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:2454:22598:33364_1:N:0:TCTGCAAG+GCTGCACT
TGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGA
TTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCATCCTGTACCTCTTCTGGAGAGACGT
ATC

+

FF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1324:13250:23750_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTGAACCTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAACGTG
GTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTAC
GAT

+
FFFFFFFFFFFF:FFFFFFFF:F:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFF,FFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2313:9941:18740_1:N:0:TCTGCAAG+GCTGCACT
AGGGGTTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTG
ACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTTCGAATGAAGTTTTAATGCTTAACAACAAT
GAT
+
FF:FFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1308:16622:35853_2:N:0:TCTGCAAG+GCTGCACT
TTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGA
GGATTCTCAGTTTACAAGGACCTTAAGCGATTGATCGGGGTTAATTCT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F:FFFF
@A00721:190:HGJW7DSXY:4:1110:17282:8563_1:N:0:TCTGCAAG+GCTGCACT
ACGCAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGA
ACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAG
TTT
+
FFFFFFFFFFFF,FF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1257:7102:32456_2:N:0:TCTGCAAG+GCTGCACT
CTTACTTGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG
TGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTTGTTTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFF:F:FFFFFFFF:F,FFF
FF:F
@A00721:190:HGJW7DSXY:4:1166:10664:29512_2:N:0:TCTGCAAG+GCTGCACT
TAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTAGAACTCGAAACTCTAA
GTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFF
@A00721:190:HGJW7DSXY:4:2621:4725:13839_1:N:0:TCTGCAAG+GCTGCACT
TTTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGG
GATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCG
CTG
+
F,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1363:29839:2910_2:N:0:TCTGCAAG+GCTGCACT
GTGAGCCTCGACCCGATTATATGGTATTAATAAGGTGAGGAGACCATTTTCTTGCTGAAATT
TATAGAAGATTATTTTGACAGAATCAATAAGAATCATCGATTCTCGAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2678:14380:29277_1:N:0:TCTGCAAG+GCTGCACT
AGTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTA

@A00721:190:HGJW7DSXY:4:1627:17038:11960_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCT
TCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACA

+

FF
FFFFFF:FFFF:FFFFFF:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2128:18683:14591_1:N:0:TCTGCAAG+GCTGCACT
GAGAGTGTATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAA
TTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAAACTCCATTGTATAGTTCAAGGAG
TAC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2657:17526:33943_2:N:0:TCTGCAAG+GCTGCACT
AGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTG
ACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2456:22336:31219_2:N:0:TCTGCAAG+GCTGCACT
CGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGA
CCTCAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCG

+

FFFFFFF:FFF:FFFF,FFFF:FF:FF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFF:FFFFFF:FFFF:FFFFFFFF: ,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1452:5141:5321_1:N:0:TCTGCAAG+GCTGCACT
AAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTG
GTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATC
AAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
FF
FFF

@A00721:190:HGJW7DSXY:4:2262:27227:10347_1:N:0:TCTGCAAG+GCTGCACT
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGA
GAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATC
TCC

+

FFFF, :FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFF:FFFF: :FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1319:30879:30483_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGA

+

FFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2141:13539:16861_1:N:0:TCTGCAAG+GCTGCACT
GGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGC
CGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTGTCAACGGCGTTTGGAGGATTTTATC
CGC

+
FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2571:12292:23187_2:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCCTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGA

+
FFFFFFFFFFFFFFFF:FF:FFF:FFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1504:18421:15076_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+
FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2158:6072:4617_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGT

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: :FFFFFFFFFFFF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1540:14913:12978_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGA
TTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTG
AAA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1212:2889:14826_2:N:0:TCTGCAAG+GCTGCACT
TTTATGATTCAAAACCTATCGTTGTGCTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTC
GCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAAT

+
FF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1620:22281:28244_1:N:0:TCTGCAAG+GCTGCACT
ATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTATGAAAGCTATCG
GAGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCG
ATA

+
FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2169:26286:2331_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATAC
GAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAA

+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF: :FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2619:9281:36949_1:N:0:TCTGCAAG+GCTGCACT
AAAAGATTGAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCC

TTTTTAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCT
TGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1238:28800:30514_1:N:0:TCTGCAAG+GCTGCACT
TTATTGAAAACAAAGTTAAGAATGAGGCTGATAATGGAGTCTTTGTACATTCTGTCAAATTAGATGT
TCAGCTACGAGAGGTGATCCCGGTTGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGA
TTT

+

FF:F:FF,F:F,FFFFF,F,,,,F,,F,FFF,,FFF,,,F,FFF:FFF,F,FFFFFFFF,FF,,,,:F
F,F,:FFFFFF,,FFFFF,FF,F,F,F,FFFF::FF::FF:F:FF,:FFFF,:FF,,FFF,F:FFFF:
F,F

@A00721:190:HGJW7DSXY:4:2364:4598:28557_1:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
AGAAAAATTTTCAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGC
CAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2534:4472:8578_2:N:0:TCTGCAAG+GCTGCACT
AGATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTT
GCACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTC

+

FF
FF:F

@A00721:190:HGJW7DSXY:4:1423:24270:3129_1:N:0:TCTGCAAG+GCTGCACT
CTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTCTAGAGTCCAAGGACGTTCCG
TCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTC
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2628:27489:25457_1:N:0:TCTGCAAG+GCTGCACT
GCCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGTCGAAAAATATCG
CCGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAG
AAA

+

FFFFFFFFF:FF
FFFFFFFFF:FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1446:11758:30843_1:N:0:TCTGCAAG+GCTGCACT
TGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGAC
CAG

+

FFFFFFFFF:FFFFFFFF::FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1443:27416:24831_2:N:0:TCTGCAAG+GCTGCACT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGA

ATTATTCATGATTACGCTGGTCAGACCCTTTTTCTTACACATCTACT
+
FF
FFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1576:4679:27727_2:N:0:TCTGCAAG+GCTGCACT
CTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCC
CGGCCGACGTTTGTCTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTT
+
FF
FFFFFFF:FFF,:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF:FF:FFF
@A00721:190:HGJW7DSXY:4:2457:9679:24862_1:N:0:TCTGCAAG+GCTGCACT
ACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGG
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCA
+
FF:FFF:FFFFFFFFFFFFFFFF:FF:FF
:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1522:31774:35884_1:N:0:TCTGCAAG+GCTGCACT
GGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGGTTTAGCTGTATCATCAGTCAGAGTATACCCGATA
GGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCAACACGGAA
AGA
+
:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF.:FF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2634:28158:22263_2:N:0:TCTGCAAG+GCTGCACT
ATTTTATCACTTTATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTCTGCTGGGGACGATTCCATTCT
GTTTTCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2646:10520:7341_1:N:0:TCTGCAAG+GCTGCACT
TGATGTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGATGCGGTTTCATAAGA
TTATCAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGT
ATC
+
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1332:5204:21277_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTGAACCTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAACTGTG
GTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTAC
GAT
+
FFFF,FF
FF:FFFFFFFFFFFFF:F
FFF
@A00721:190:HGJW7DSXY:4:1367:30563:23484_2:N:0:TCTGCAAG+GCTGCACT
GGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGAC
TTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTT
+
FF
FFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1612:23366:24142_2:N:0:TCTGCAAG+GCTGCACT
TTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGA
GGATTCTCAGTTTACAAGGACCTTAAGCGATTGATCTGGGTTAATTCT

+

,FFFFFF,FF:,FFFFFFF:F,FF,:FFFF:FFFF,FF,:FFFFFFFFF:FFFFFFF::FFFFFF,F
,FFFF,:FFFFFFFFFFFF,F:FFFF:FFFF:FFF,F:, :FFFFFFF

@A00721:190:HGJW7DSXY:4:1356:27317:29230_1:N:0:TCTGCAAG+GCTGCACT
ACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGA
ACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAG
TTT

+

FFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
:FF

@A00721:190:HGJW7DSXY:4:1311:3821:8672_2:N:0:TCTGCAAG+GCTGCACT
CTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATCTTAGG
TGAAGCGAAATACGATTTCAACGTCAACGTTACCGAGTTTTGTTTC

+

FFFFF,FFFFFFFFF:FFFFFFFF,F::FFFFFFFFF,F,,FFFF::FFFFFFFF:FFFFF,F,FF:
F:F::FFFFFFFF:FFF:FF,FFFF,FF:FF,FFFF,FFFF,FF:FFFF

@A00721:190:HGJW7DSXY:4:1369:9399:22968_2:N:0:TCTGCAAG+GCTGCACT
TAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTTAGAACTCGAAACTCTAA
GTGGTAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1155:14760:10708_2:N:0:TCTGCAAG+GCTGCACT
TTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGG
ATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGAC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1331:31539:17472_2:N:0:TCTGCAAG+GCTGCACT
TCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTA
TTAACTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAA

+

FF:FF:FFFF
FF

@A00721:190:HGJW7DSXY:4:1233:19334:6731_2:N:0:TCTGCAAG+GCTGCACT
GTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTAC
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAA

+

FFFFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2648:22227:4914_2:N:0:TCTGCAAG+GCTGCACT
ATACAACCTAGCCTTCAAGTGGGCTATGCCTGCCGAATACGCTTGCTATTCACCAGATTGGTTCGAA
CCCGTAGATGCTAAGTCAGAAGAAGCTAATCAAGCTTGTCGTTTAAAG

+

FFFFF,,FFFF,:F,F,:F,F,,FFF,F,FF,,,F,,FFFFFF,:FF:FF,F:FFFF,,,F,F:F
,,F,F,,F,,F:F,F,F,FFF,FFFFFF,F,FF:FFFF,:F,FFF:F,

@A00721:190:HGJW7DSXY:4:2365:27444:21684_2:N:0:TCTGCAAG+GCTGCACT
ACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAA
TGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAAT

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:,FF,F::
FFFFFFFF:FFFFF,F,FFFFFFFF:FF:FFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1577:10013:24940_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT
ATC

+
FFFFFFFFFFFFFFFF:FFFFF:FF:FFFFF,F,FFFF
FFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF,FFF:FF,FFF:FF:FF:FFFFF:
FFF

@A00721:190:HGJW7DSXY:4:2350:27760:8672_2:N:0:TCTGCAAG+GCTGCACT
ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG
AGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCAT

+
FF
FF:FFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1413:26142:14418_1:N:0:TCTGCAAG+GCTGCACT
AAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCACTG
ATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCAATGTTTATATTTTCTATAAGGGAAAATAGC
AAT

+
FFFFF:FFFFFFFF:F:FFF,FFFFFFFF:FF::FFFF::FF:FFF,FF:FFF:FFFFFFFFFFFFFFFF
FFFFFFFF:F:FFFF:FFF:F:FFF,FFFFF:FFFFF:F:FFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2169:12283:3161_2:N:0:TCTGCAAG+GCTGCACT
AATTTTAGAACTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTCAA
TAAGATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCG

+
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2367:14461:15734_1:N:0:TCTGCAAG+GCTGCACT
TCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTAT
ACTTTAAATAGCACCGATTATAAATTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAG
AGA

+
FFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2122:22318:1783_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCT
TCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACA

+
FF
FFFFFFFFFFFFFFFF:FF:FFF

@A00721:190:HGJW7DSXY:4:2218:23258:5478_1:N:0:TCTGCAAG+GCTGCACT
GAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAA
TTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAACCTCATTGTATAGTTCAAGGAG
TAC

+
FFFFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1526:5575:16188_2:N:0:TCTGCAAG+GCTGCACT
GCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGA

CGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGA

+

FFFFFFFFF:FFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFF::FFFFFF,FFF:FF:FFFFFFFFF:,F:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2469:15971:14622_2:N:0:TCTGCAAG+GCTGCACT
CGCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGA
CCTCAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCG

+

FFF:FFF:FFFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFF,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1572:2058:3552_1:N:0:TCTGCAAG+GCTGCACT
AAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTG
GTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAAGCACTCCCAAGCCAATC
AAT

+

FFFFFFFFF:FFFFFF,FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2542:25780:12790_1:N:0:TCTGCAAG+GCTGCACT
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGA
GAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATC
TCC

+

FFFFFFFFFFF::FFFF:FFFF::FF:,F,FFFFFFFFF,F:FF:F::FFFFFFFFFFFFFFFFFFF:FF
:FFF:FFFFFFFF,FF,FFFFFF:F:FFF:FFFF:F:FF:,FFF,FFF:FFFFFFFFF:FFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1332:7283:19272_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTGCTCACTGA
GGA

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2143:3766:2002_1:N:0:TCTGCAAG+GCTGCACT
GGACTTTTGGCTACTGGAGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGC
CGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATC
CGC

+

F:F:FF,F:FFFFFF,,F,:FF,FFFF,FFFFFFFF,FF,F,,,FF:,FFFFFFFFF,FFF,FFF:
:,,:,:::FFF:FFF:,FFF,:,:::F,F,FFF,FFFFFFFFF:F:FF,FFFFFFFFFFF:FFFF
,,F

@A00721:190:HGJW7DSXY:4:2603:21377:12649_2:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGA

+

FFFFFFFFF:FFF:FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1504:6732:36542_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

F:FFF:FFFFFF:FFF

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:F:FF
FFF

@A00721:190:HGJW7DSXY:4:2321:14769:18552_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGT

+

FF,FFFFFF::FFFFFF:FFF,FFFFFF:FFFF:FF
FFFFFFFF:F:FFFFFFFF:FFFFFFFFFFFFFFFF:FFF,F,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1558:30996:11052_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCACTACTCCGATCAGATCCGGATGGTTTGA
TTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTG
AAA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1601:18349:21840_2:N:0:TCTGCAAG+GCTGCACT
TTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTC
GCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAAT

+

FF:FFFFF
FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2166:7627:15045_1:N:0:TCTGCAAG+GCTGCACT
ATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACTACTCACGAGACGTATGAAAGCTATCG
GAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGATTGTGACCATAAAGCCTCAGTTGCG
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2367:25527:26412_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATAC
GAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAA

+

FF:FFFFF
FF

@A00721:190:HGJW7DSXY:4:1211:5999:11036_1:N:0:TCTGCAAG+GCTGCACT
AAAGATTGAGGACGCTACGGTACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCT
TTTTAGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGAGTGTGAGAAGACAACGAATCTT
GA

+

FF,FFFF:FFFFFF:FFF:F:FFFFFFFFFFFFFFFF
FFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF::FFFFFF:FFFF:FFF,FFFF
FF

@A00721:190:HGJW7DSXY:4:2203:10447:5494_1:N:0:TCTGCAAG+GCTGCACT
TTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGT
TCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGA
TTT

+

FFFFFFF:FFFFFF:FFFF:FFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2405:1696:29262_1:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA

FF
FFF

@A00721:190:HGJW7DSXY:4:1569:25925:31673_1:N:0:TCTGCAAG+GCTGCACT
GGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATA
GGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCAACACGGAA
AGA

+
FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2430:27697:29418_2:N:0:TCTGCAAG+GCTGCACT
TATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCTGTTT
TCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAAT

+
FF:FFFFFFFFFFFFF
FFFFFFFFFF:FFF:FF

@A00721:190:HGJW7DSXY:4:1119:32497:29434_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTAT
CAGTAATCCTGATTCTACTACGGATTTCATGGACCTTCCATCCTGTACC

+
FF:FFFFFFFFFFFFF
:FFFFFFFF:,FFFFFFFFFFFFF::FFFF:FFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2115:16071:9659_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTGAACCTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAACGTGTG
GTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTAC
GAT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1459:20021:23140_2:N:0:TCTGCAAG+GCTGCACT
GGGTTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGAC
TTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTT

+
FFFF:FF,FFFFFFFFFFFFF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2215:10294:25833_2:N:0:TCTGCAAG+GCTGCACT
TTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGA
GGATTCTCAGTTTACAAGGACCTTAAGCGATTGATCGGGGTTAATTCT

+
FF
FF

@A00721:190:HGJW7DSXY:4:1504:29215:31203_1:N:0:TCTGCAAG+GCTGCACT
ACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGA
ACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAG
TTT

+
FFFFFFFFFFFFFFFFFFFF:FF
FF,FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2323:19226:11083_2:N:0:TCTGCAAG+GCTGCACT
CTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG
TGAAGCGAAATACGATTTTCAACGTCAACGTTCAACGAGTTTTGTTTC

+

[illegible]

@A00721:190:HGJW7DSXY:4:2543:28592:18411_1:N:0:TCTGCAAG+GCTGCACT
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGA
GAAGAATAAAGGGAAAGGTCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATC
TCC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1333:27760:19476_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGA

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

@A00721:190:HGJW7DSXY:4:2238:21685:8359_1:N:0:TCTGCAAG+GCTGCACT
GGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGC
CGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATC
CGC

+

[illegible]

@A00721:190:HGJW7DSXY:4:2603:22299:14591_2:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGA

+

[illegible]

@A00721:190:HGJW7DSXY:4:1558:15383:14857_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTTCATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2423:16812:32142_2:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGT

+

[illegible]

@A00721:190:HGJW7DSXY:4:1677:20410:7686_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGA
TTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTG
AAA

+

[illegible]

$+$

@A00721:190:HGJW7DSXY:4:2406:18783:34178_1:N:0:TCTGCAAG+GCTGCACT
ATCGAGGTATACGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCG
GAGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCG
ATA

+

@A00721:190:HGJW7DSXY:4:2415:9290:6183_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTCATATAGATAC
GAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAA

+

@A00721:190:HGJW7DSXY:4:1154:32515:34538_2:N:0:TCTGCAAG+GCTGCACT
ATTCAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTT
TAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGATCGGAAG

+

@A00721:190:HGJW7DSXY:4:2209:26422:24799_1:N:0:TCTGCAAG+GCTGCACT
TTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGT
TCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAA
TGT

+

@A00721:190:HGJW7DSXY:4:2413:14850:16752_1:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
AGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGC
CAG

+

@A00721:190:HGJW7DSXY:4:2122:28203:30358_2:N:0:TCTGCAAG+GCTGCACT
GATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTTG
CACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCG

+

@A00721:190:HGJW7DSXY:4:2115:14109:15092_1:N:0:TCTGCAAG+GCTGCACT
CTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCG
TCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTC
TTT

 $+$

FF
FFF

@A00721:190:HGJW7DSXY:4:2342:20808:15483_2:N:0:TCTGCAAG+GCTGCACT
CCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCA TGAGGATGTCTTGGTCGAAAAATATCGC
CGGGACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACC

+
FF:FFFFFFFF
FFFFF,FFFF::F:FF,FFFFF

@A00721:190:HGJW7DSXY:4:2101:24433:13620_1:N:0:TCTGCAAG+GCTGCACT
TGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGAC
CAG

+
FFFF: :FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1565:21721:34444_2:N:0:TCTGCAAG+GCTGCACT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGA
ATTATTCATGATTCACGCTGGTCAGACCTTTTTCTTACACATCTACT

+
FFF,FF
FF
FFFFF

@A00721:190:HGJW7DSXY:4:2660:19895:30561_2:N:0:TCTGCAAG+GCTGCACT
CTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTTCTATCGAAGTCTCAGTTATCGCTGCC
CGGCCGACGTTTGTGCGGAACTCTCAGAGGTTTACGGCAGAAAAATTT

+
FFFFF:FF
FF
FFFFF

@A00721:190:HGJW7DSXY:4:2530:30599:28463_1:N:0:TCTGCAAG+GCTGCACT
ACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGG
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCA

+
FFFFF:F,FFFFFFFF:FFFF:FFF,:FF:FF:FFFFF
FFF:FFFFFFFFF,FFF,FF:FF:FF:FFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1638:19660:9236_1:N:0:TCTGCAAG+GCTGCACT
GGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATA
GGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCAACACGGAA
AGA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2507:6198:6057_2:N:0:TCTGCAAG+GCTGCACT
TATCACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGACGATTCCATTCTGTTT
TCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAAT

+
FF
FF

@A00721:190:HGJW7DSXY:4:1152:20555:6214_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTAT
CAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1368:32289:7748_2:N:0:TCTGCAAG+GCTGCACT
GTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTAC
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFF

@A00721:190:HGJW7DSXY:4:1177:29306:5462_2:N:0:TCTGCAAG+GCTGCACT
CTAGCCTTCAAGTGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGA
TGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGA

+

FFFFFFFFFFFF,FFFFFFFFFFFF:FF
:FF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFF,FFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2419:4463:13197_1:N:0:TCTGCAAG+GCTGCACT
CCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGT
GATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAA
GTC

+

FFFFFFFFFFFFFF:FFFFFFF:,FF:FF
FFFFF,FFFFFFFFFFFF:FFF:F:F:FF
FFF

@A00721:190:HGJW7DSXY:4:2165:14488:34068_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT
ATC

+

FF
FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2609:6650:3490_2:N:0:TCTGCAAG+GCTGCACT
ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG
AGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2127:16288:22811_1:N:0:TCTGCAAG+GCTGCACT
AAATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCACTG
ATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGC
AAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2329:9335:35540_2:N:0:TCTGCAAG+GCTGCACT
AATTTTAGAACTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTCAA
TAAGATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2560:19171:25739_1:N:0:TCTGCAAG+GCTGCACT
TCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGAAGAGGTCTATGATATTTATTTTACTTAT
ACTTTAAATAGCACCGATTATAAATTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAG
AGA

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

FF
FFF

@A00721:190:HGJW7DSXY:4:2207:21603:2957_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCT
TCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTTACA

+
FF
FF

@A00721:190:HGJW7DSXY:4:2628:29080:26897_1:N:0:TCTGCAAG+GCTGCACT
GAGAGTGTATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAA
TTTGATAGCAATTTATGTTTTAAATGCTAGGAAAATTTAGAAAAACTCCATTGTATAGTTCAAGGAG
TAC

+
FFFFFFFFFF:FFFFFF,FFF:FFFFFFFFFFFF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1665:22046:5259_2:N:0:TCTGCAAG+GCTGCACT
GCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGA
CGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGA

+
FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,
FFF:FF:FF,FFFFFFFFF,FFFFFFF:FF,FF,FFFF:, :FFFFFFF

@A00721:190:HGJW7DSXY:4:1318:24316:19053_2:N:0:TCTGCAAG+GCTGCACT
GCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGAC
CACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGA

+
FF
FF

@A00721:190:HGJW7DSXY:4:1662:23421:14058_1:N:0:TCTGCAAG+GCTGCACT
AAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTG
GTCAATACGTGCTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATC
AAT

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2545:3893:7012_1:N:0:TCTGCAAG+GCTGCACT
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGA
GAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATC
TCC

+
:FFFF:FFFFFFFFF,FFFFFFF:FFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FF:FFFF:F:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1362:8956:7044_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTGCTCACTGA
GGA

+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2625:14742:6073_1:N:0:TCTGCAAG+GCTGCACT
GGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGC

@A00721:190:HGJW7DSXY:4:1324:8377:9706_2:N:0:TCTGCAAG+GCTGCACT
ATTCAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTT
TAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGATCGGAAG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF,F
FF

@A00721:190:HGJW7DSXY:4:2209:27751:24878_1:N:0:TCTGCAAG+GCTGCACT
TTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGT
TCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAA
TGT

+

FF,:F,FFFF,FFFF:,FF:FF,F,,:FFF:FFF:FF:F,F,F::,FFFFFF:FF:FF,FFF:FFF
F:FFFFFFF,,FF:F:FF:F,,FFFFFFFFF,F:F:FFFF:FFFF:FF,FFFF,FF,FFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:2413:15239:16861_1:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
AGAAAAATTTTCAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGC
CAG

+

F::FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2331:3631:26005_2:N:0:TCTGCAAG+GCTGCACT
GATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAGATCCTTTG
CACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCG

+

FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2153:23529:19883_1:N:0:TCTGCAAG+GCTGCACT
CTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTCCG
TCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTC
TTT

+

:FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2426:5023:4429_2:N:0:TCTGCAAG+GCTGCACT
CCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCAAAAATATCGC
CGGGAACCTTAATAGAGGATCCTGATGACATTATTTCAACGGATACC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFF::FF

@A00721:190:HGJW7DSXY:4:2134:26630:32925_1:N:0:TCTGCAAG+GCTGCACT
TGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGAC
CAG

+

FFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF::FFFFFFFFF:FFFFFFFFF
FF,FFF,FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1663:10981:36448_2:N:0:TCTGCAAG+GCTGCACT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGA
ATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACT

+

FF
FFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1264:32362:8437_1:N:0:TCTGCAAG+GCTGCACT
CTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCC
CGGCCGACGTTTGTGCGGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGA
GAG
+
FFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2533:32805:29590_1:N:0:TCTGCAAG+GCTGCACT
ACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGG
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2106:1108:27555_1:N:0:TCTGCAAG+GCTGCACT
GGTAAGAAGCCCCTTGAGCCGCGTGGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATA
GGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCAACACGGAA
AGA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2640:30734:13479_2:N:0:TCTGCAAG+GCTGCACT
TATCACTTTATTATGACCTTGGAAGTTTTTCGGCTGTGGTTGTCGCTGGGACGATTCCATTCTGTTT
TCAAAGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1174:31467:2347_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTCTTGTAAGTTTATGATGCGGTTTCATAAGATTAT
CAGTAATCCTGATTCTACTACGGATTATGACCTTCCATCCTGTACC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2464:11351:21809_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTGAACCTTTGGGAATTTGAAGCTCAGGCTGAAGCACAACGTTTGACCGTGACGAACGTG
GTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTAC
GAT
+
FFF::FFFFFFFF,FFFF:FFFFFFFF,FFF:,FFFFFFFF,F,:FF,FFFFFFFF,FFFFFFFFFFFF,
FFFFF,FFFFFFFF,FFFFFFFF:FFF,:FFF:,FF:,FFF:F,FFFF:,FFF,FFFFFFFFFFFF,:
FFF
@A00721:190:HGJW7DSXY:4:2473:6054:10003_2:N:0:TCTGCAAG+GCTGCACT
GGGTTTTCGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGAC
TTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTT
+
FF
FFF:FF
@A00721:190:HGJW7DSXY:4:2409:26386:5259_2:N:0:TCTGCAAG+GCTGCACT
TTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGA

GGATTCTCAGTTTACAAGGACCTTAAGCGATTGATCGGGGTTAATTCT
+
FFFFFFFFFFFFFFFF:FF
FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1674:28257:25786_1:N:0:TCTGCAAG+GCTGCACT
ACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGA
ACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAG
TTT
+
FFFFFFFFFFFFF,:F,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2605:15176:21543_2:N:0:TCTGCAAG+GCTGCACT
CTTACTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGG
TGAAGCGAAATACGATTTTCAACGTCAACGTTACCGAGTTTTTGTTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:2635:3613:18521_2:N:0:TCTGCAAG+GCTGCACT
TAAGAAGTTTATAAGGAACATATCCATTTGTTGTAATAGGGTCATCAACTAGAACTCGAACTCTAA
GTGGAATACTGTCTTTCCAAGCTTACCTGTATCTTCAATGAAATTGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FF:FFFFFFFFFFFFFFFF:FFFFF:FFF,FFFFF
FFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:1625:15998:33865_2:N:0:TCTGCAAG+GCTGCACT
TTCCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGG
ATGCATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2151:7374:33833_2:N:0:TCTGCAAG+GCTGCACT
TCGCTGCATATTACGGATTACACGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTA
TTAACTTATAAAGGTGAGGAGACATTTTCTTGCTGAAATTTATAGAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FF
@A00721:190:HGJW7DSXY:4:1446:18430:1877_2:N:0:TCTGCAAG+GCTGCACT
GTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTAC
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAA
+
FFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1368:29134:25551_2:N:0:TCTGCAAG+GCTGCACT
CTAGCCTTCAAGTGGGTATGCCTGCGGAATACGCTTGCTATTACACGATTGGTTCGAACCCGTTGA
TGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2608:5864:27305_1:N:0:TCTGCAAG+GCTGCACT
CCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGT
GATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAA
GTC
+
FFFFFFFFFFFFFFFFFFFFF,FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF

FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2336:29984:6073_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT
ATC

+
FF
FF:F,FFFFFFFF:FFFFFFFF,F,FFF,F,FFF
FFF

@A00721:190:HGJW7DSXY:4:2622:13141:26005_2:N:0:TCTGCAAG+GCTGCACT
ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG
AGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCAT

+
FF:
FF:FF:FFF

@A00721:190:HGJW7DSXY:4:2334:15040:25598_1:N:0:TCTGCAAG+GCTGCACT
AAATGAGGTCAAAGCTCTATTTATTAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCACTG
ATCTGCCGACTTTAGTCAAGGAAGTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGC
AAT

+
FF
FF:FFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2337:11903:22044_2:N:0:TCTGCAAG+GCTGCACT
AATTTTAGAAGCTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTCAA
TAAGATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCG

+
FF
FF

@A00721:190:HGJW7DSXY:4:2266:17255:8735_1:N:0:TCTGCAAG+GCTGCACT
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGA
CTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACTCGGTGAACACGTCGGTAG
CAT

+
FF
FF:FFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2332:10782:36636_2:N:0:TCTGCAAG+GCTGCACT
ACTTCAAGTACCTGAAGTCTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCAC
TCTCGGTAATGAGAGTGATTCCTTAATATTCTAGTAACCGCTATGTG

+
FF
FF

@A00721:190:HGJW7DSXY:4:1344:25427:2691_1:N:0:TCTGCAAG+GCTGCACT
ATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACAC
AAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGAGAATGAAGTCCGCTTCC
CGG

+
FFFF:FF:FFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1354:1814:14278_2:N:0:TCTGCAAG+GCTGCACT
GCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGTCGTTACCGGACGAC

CACTCAAAGGAAACGGGCTGTTGCCAGAGGAAATCAGCGACCACCGA

+

:FFFFFF:FFFFFFFFFFFF:FFF,FF:F:FF
,FF,FFFF:FFFF:F,FFF::F:::,F,,FFF,:::,F:,F,,,F

@A00721:190:HGJW7DSXY:4:2150:4191:33207_1:N:0:TCTGCAAG+GCTGCACT
AAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTG
GTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATC
AAT

+

:FFFFF,::F,F::F:F,,FF,FF,,FFFF:FFFFFFFFFFFF:FFFFFFFFFFFF::FFFFFFFFFFFF,F
FF,FF:FF,F:FFFFFFFF:FF::,FFFF,::,FF,:FFF,F:FF::,FFFFFFFFFFFF:F,:FF,FFF,
FFF

@A00721:190:HGJW7DSXY:4:2564:32027:32659_1:N:0:TCTGCAAG+GCTGCACT
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGA
GAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATC
TCC

+

FFFFFFFFFFFFFFF:FF:FFFFFFFFF::FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF::FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1408:15510:11663_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGA

+

FF
FFFFFFFFFFFFFFFFFFFF:F,FF
FFF

@A00721:190:HGJW7DSXY:4:2667:4788:22373_1:N:0:TCTGCAAG+GCTGCACT
GGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTGAAGGC
CGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATC
CGC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1148:29441:1814_1:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCCTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTGTTT
TTG

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
F:F

@A00721:190:HGJW7DSXY:4:1627:19859:36198_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGTCCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1217:30382:28087_1:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG

GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGA
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2170:20618:27430_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTTCCGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGA
TTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTG
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2125:26648:18991_2:N:0:TCTGCAAG+GCTGCACT
TTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTC
GCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAAT

+

FFF,FFFFF
FF

@A00721:190:HGJW7DSXY:4:1272:12924:37059_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTCGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCG
AGGGAAGCAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATNGTG

+

FFFFFFFFFFFF:FF
FF:FFFFF#FFF

@A00721:190:HGJW7DSXY:4:2617:12391:32972_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTAACAACAGTGCGAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTTCATATAGATAC
GAGATACCTAGAGAAGAGATCGGAAGAGCGTCGTGTAGGGAAGAGTG

+

FFF
FF:FFFFF

@A00721:190:HGJW7DSXY:4:1609:1271:5729_2:N:0:TCTGCAAG+GCTGCACT
ATTCAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTT
TAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGATCGGAAG

+

FFF
FF

@A00721:190:HGJW7DSXY:4:2226:1190:25347_1:N:0:TCTGCAAG+GCTGCACT
TTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGT
TCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGA
TGT

+

F:FFFFFFFF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF
FFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2546:5339:18098_1:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
AGAAAAATTTTGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGC
CAG

+

FF:F,FFFFFFFFFFFFFFFFFFFFF:
FFFFFFFFFFFFFFFFFFFF:F:F,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2671:10239:3411_2:N:0:TCTGCAAG+GCTGCACT
GATTCAATCTGGCATCACTGAACGTCTACAACGAGTTAGGGAGTGGCTAGGTTTTAAAAGATCCTTTG
CACAAGCAATACCTTCCACTGAGTTCATCACCCAGAGTTTCGACGTCG

+

FF:FF:FFFFFFFF:
FF

@A00721:190:HGJW7DSXY:4:2422:5068:19351_1:N:0:TCTGCAAG+GCTGCACT
CTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCG
TCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTC
TTT

+

FFF,FF:FFFF
FFF
F:F

@A00721:190:HGJW7DSXY:4:2456:13548:2597_2:N:0:TCTGCAAG+GCTGCACT
CCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTTCATGAGGATGTCTTGGTCGAAAAATATCGC
CGGGAACCTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACC

+

FFF:,FFFFFFFFFFFFFFFFFFFFF
FFFFF:FFF:F::FFFFFFFF:FFFFF,F,FFFFF:FFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2178:22535:25363_1:N:0:TCTGCAAG+GCTGCACT
TGTCTCCACTGATTGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGAC
CAG

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2222:10474:25238_2:N:0:TCTGCAAG+GCTGCACT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGA
ATTATTCATGATTCACGCTGGTCAGACCTTTTTCTTACACATCTACT

+

FFF
FFF,FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1313:16206:2253_1:N:0:TCTGCAAG+GCTGCACT
CTACTTCAACATCAACGACATCATTCTTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCC
CGGCCGACGTTTGTGCGGAACCTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGA
GAG

+

F:FFF
FFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2559:24695:5556_1:N:0:TCTGCAAG+GCTGCACT
ACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGG
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCA

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2145:31006:12164_1:N:0:TCTGCAAG+GCTGCACT
GGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGGTTTAGCTGTATCATCAGTCAGAGTATACCCGATA
GGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTACAACGGAA
AGA

@A00721:190:HGJW7DSXY:4:1376:7545:28902_2:N:0:TCTGCAAG+GCTGCACT
ACTTTATTATGACCTTGGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAA
AGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTT

@A00721:190:HGJW7DSXY:4:1311:28474:26850_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCTTGTGAAAATTTTGATGCGGTTTCATAAGATTAT
CAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACC

@A00721:190:HGJW7DSXY:4:2621:16269:21934_1:N:0:TCTGCAAG+GCTGCACT
CTTCAGATCTGAAC TTTGTGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAACTGTG
GTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCCTCGTAAGGACACTACCACTTATTAC
GAT

@A00721:190:HGJW7DSXY:4:2475:17137:29450_2:N:0:TCTGCAAG+GCTGCACT
GGGTTTTCGAATAGTGATAGCCACCCGCCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGAC
TTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTT

@A00721:190:HGJW7DSXY:4:2519:10511:19977_2:N:0:TCTGCAAG+GCTGCACT
TTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGA
GGATTCTCAGTTTACAAGGACCTTAAGCGATTGATCGGGGTTAATTCT

@A00721:190:HGJW7DSXY:4:2140:16740:26318_1:N:0:TCTGCAAG+GCTGCACT
ACGCAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGA
ACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAG
TTT

@A00721:190:HGJW7DSXY:4:1405:17056:7795_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAA
GCGAAATACGATTTCGAACGTCAACGTTCCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCA
ATA

@A00721:190:HGJW7DSXY:4:2409:1895:13698_2:N:0:TCTGCAAG+GCTGCACT
TTCTACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGG

ATGCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGAC
+
FF
F:FF
@A00721:190:HGJW7DSXY:4:2269:4833:25833_2:N:0:TCTGCAAG+GCTGCACT
TCGCTGCATATTACGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTA
TTAACTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1603:19253:22279_2:N:0:TCTGCAAG+GCTGCACT
GTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTAC
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1459:7591:14763_2:N:0:TCTGCAAG+GCTGCACT
CTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGA
TGCTATGTCAGAAGAAGCTATTCAAGCTTGCTGTTTAAAGACTGCAGA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2639:12527:3082_1:N:0:TCTGCAAG+GCTGCACT
CCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGT
GATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAA
GTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2445:24858:1673_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGAACAACCTTTACTTAGAATGACTCT
ATC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2672:25220:16673_2:N:0:TCTGCAAG+GCTGCACT
ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACG
AGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2369:15555:36198_1:N:0:TCTGCAAG+GCTGCACT
AAATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTG
ATCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGC
AAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2576:18756:3756_2:N:0:TCTGCAAG+GCTGCACT
AATTTTAGAACTTTATTTAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAA

+

@A00721:190:HGJW7DSXY:4:2266:17725:8578_1:N:0:TCTGCAAG+GCTGCACT
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAAATTGA
CTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACTCGGTGAACACGTCGGTAG
CAT

+

@A00721:190:HGJW7DSXY:4:2643:3857:6230_2:N:0:TCTGCAAG+GCTGCACT
ACTTCAAGTACCTGAACCTTTACATTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCAC
TCTCGGTAATGAGAGTGTATTCTTAATATTCTAGTAACCGCTATGTG

+

@A00721:190:HGJW7DSXY:4:1356:3369:12117_1:N:0:TCTGCAAG+GCTGCACT
ATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACAC
AAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTCC
CGG

+

@A00721:190:HGJW7DSXY:4:1414:4110:13182_2:N:0:TCTGCAAG+GCTGCACT
GCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGAC
CACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGA

+

@A00721:190:HGJW7DSXY:4:2430:17852:1188_1:N:0:TCTGCAAG+GCTGCACT
AAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTG
GTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCCAAGCCAATC
AAT

+

@A00721:190:HGJW7DSXY:4:2667:20193:14231_1:N:0:TCTGCAAG+GCTGCACT
AATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGA
GAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATC
TCC

+

@A00721:190:HGJW7DSXY:4:1425:1850:15092_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTTCTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGA

+

FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1429:7654:5729_1:N:0:TCTGCAAG+GCTGCACT
GACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGAAAGAGAATTGCGTGGGTTGAAGGCC
GACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTGTCAACGGCGTTTGGAGGATTTTATCC
GCG

+

FFFFF,FF
F:FF,FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1233:2175:2691_1:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCCTAAGCACCGAGGTAAGCTCGGGACTTACAAGATAGAGTGTGAGAGAGTCGCTCTCACTATTT
TTG

+

FFFFFFFFFFFFFFFF: :FFFFFFFFFFFFFF,FFFFF,FFFFFF:FFFFFFFFFFFFFFFF,FFFFFF
FF,FFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1643:32814:14293_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGCTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

: :FF:FFFFFFFFFFFFFF
:FFF
FFF

@A00721:190:HGJW7DSXY:4:1253:17616:17879_1:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTTACCACTTCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATA
TAA

+

FFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF:FFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2201:8350:28855_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTTCCGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGA
TTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTG
AAA

+

FF,FFF,FF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2241:28510:9001_2:N:0:TCTGCAAG+GCTGCACT
TTTATGATTCAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTC
GCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAAT

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1344:25681:29465_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTCGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGG
AGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGA
TAG

+

:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF: :FFF:FFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1621:24704:27054_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTAACAACAGTGCAGGATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTCATATAGATAC
GAGATACCTAGAGAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAG

@A00721:190:HGJW7DSXY:4:2523:30020:29152_2:N:0:TCTGCAAG+GCTGCACT
ATTCAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTT
TAGGTTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGATCGGAAG

@A00721:190:HGJW7DSXY:4:2446:26431:24158_1:N:0:TCTGCAAG+GCTGCACT
TTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAAC TTCGAGGT
TCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAA
TGT

@A00721:190:HGJW7DSXY:4:2547:25030:31908_1:N:0:TCTGCAAG+GCTGCACT
GTTGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAA
AGAAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGC
CAG

@A00721:190:HGJW7DSXY:4:2507:16324:8688_1:N:0:TCTGCAAG+GCTGCACT
CTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCG
TCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTC
TTT

@A00721:190:HGJW7DSXY:4:2570:24840:17143_2:N:0:TCTGCAAG+GCTGCACT
CCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGC
CGGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACC

@A00721:190:HGJW7DSXY:4:2236:14986:7310_1:N:0:TCTGCAAG+GCTGCACT
TGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGAC
CAG

@A00721:190:HGJW7DSXY:4:2238:1714:5682_2:N:0:TCTGCAAG+GCTGCACT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGA

ATTATTCATGATTACGCTGGTCAGACCCTTTTTCTTACACATCTACT

+

FF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1459:23782:26741_1:N:0:TCTGCAAG+GCTGCACT
CTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCC
CGGCCGACGTTTGTGCGGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGA
GAG

+

:FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2604:16685:3051_1:N:0:TCTGCAAG+GCTGCACT
ACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGG
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAA
CCA

+

FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2148:31693:30264_1:N:0:TCTGCAAG+GCTGCACT
GGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATA
GGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTCAACGGA
AGA

+

F:FFFFFFFFFFFF:FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1376:9182:29356_2:N:0:TCTGCAAG+GCTGCACT
ACTTTATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTGCTGGGGACGATTCCATTCTGTTTTCAA
AGACTCCAATAACTGATCATTCTGATCATATGATTTTGACAATGGTT

+

FFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFF:FFFF:FFFF

@A00721:190:HGJW7DSXY:4:1365:12138:21355_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTAT
CAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACC

+

FF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2639:27272:33285_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTGAACCTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAACGTG
GTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTAC
GAT

+

:FF:,FFFFFFFF:F:F:F:,FF
FFFFFFFFF:,FF
FFF

@A00721:190:HGJW7DSXY:4:2553:23149:28494_2:N:0:TCTGCAAG+GCTGCACT
GGGTTTTTGAATAGTGATAGCCACCCGCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGAC
TTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTT

+

FF
FFFFFFFFF:FFFFFFFFF,FFFFFFFFFFFFFF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2459:25473:22529_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT
ATC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1535:6397:26318_1:N:0:TCTGCAAG+GCTGCACT
ACTAAAACCAACTCTTCTTTACTAGACCTGTTGGTATAATATTTTATAGTATCTAAACCCATCTCAACG
AGTATAATGCTATTTTTCCGTCCTTAACTTAATACACGAAGAGATCATCCGCAAACGACTCGAAACC

+

F:,F:F:,,FF,F,FF,,F:,,,,,:F,F,,,F:,F:F,,,FFF,::,,:,,FF,,FF,,FF,,,
,F,FFFF,::,:FFF,F,,:F,F,F:,,:F:,F,,,F:,F,F:,,,F:,F:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2438:28999:23907_1:N:0:TCTGCAAG+GCTGCACT
AAATGAGGTCAAAGCTCTATTTATTAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCACTG
ATCTGCCGACTTTAGTCAAGGAAGTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGC
AAT

+

FFFFFF,F:FF,FF
FFFFFF:FFFFFF:FFFFFFFFFFFF:FFF:FFFFFFFFFFFF:FFFFFFFFFFFF,:FF:FF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1144:6442:28244_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGAACTTTATTTTCAAGTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAAT
AAGATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAA
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2533:8766:32612_1:N:0:TCTGCAAG+GCTGCACT
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGA
CTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACTCGGTGAACACGTCGGTAG
CAT

+

FF
:FF
FFF

@A00721:190:HGJW7DSXY:4:1418:2239:35837_2:N:0:TCTGCAAG+GCTGCACT
TCAAGTACCTGAAGTCTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCT
CGGTAATGAGAGTGATTCCTTAATATTCTAGTAACCGCTATGTGGGC

+

FF
FFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2102:15899:18630_1:N:0:TCTGCAAG+GCTGCACT
ATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACAC
AAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTCC
CGG

+

FFFFFFFF:FFFFFFFF:FF:FFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2132:10104:25034_2:N:0:TCTGCAAG+GCTGCACT
GCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGTTCGTTACCGGACGAC

CACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGA

+

FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
F:FFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFFF:FFF:

@A00721:190:HGJW7DSXY:4:2434:25898:36824_1:N:0:TCTGCAAG+GCTGCACT
AAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTG
GTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATC
AAT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2553:20961:36855_1:N:0:TCTGCAAG+GCTGCACT
GACGTGTGCTCTTCCGATCTGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTC
CATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGG
AAT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1431:12617:10848_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGA

+

FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2142:14371:35086_1:N:0:TCTGCAAG+GCTGCACT
GACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCC
GACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCC
GCG

+

FF:FFFFFFFF:FFF:FFF:F,FFFFFFFFFFFFFFFFFFFFFFFF:FF:F,FFFFFFFFFFFFFFFF,::FFF
:,FF:FF:FFF,FFFFFF::F:F,,F:FFFFFF:FF:FFFFFFFFFFFFFFFF,FFF:FFFFFFFF,F
FFF

@A00721:190:HGJW7DSXY:4:1574:21305:13870_1:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCCTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTT
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1669:20817:21324_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGTTCTTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

::FFFFFFFF:F,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1452:17381:33536_1:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG

GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAA

+

FFFFFFFF,FFFFFFFFFFFF::FFF,:FFFFFFFFFFFFFFFF,::,FFFFFFFFFFFFFFFF:::F:F
FFFF:FFF:FFF::F,FFFF:F:FF::F,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
:FF

@A00721:190:HGJW7DSXY:4:2308:18909:12383_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGA
TTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTG
AAA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2320:12075:3740_2:N:0:TCTGCAAG+GCTGCACT
TTTATGATTCAAAACCTATCGTTGTCTGACCTTACAAGGTTGAGGAGACTTTACAGCGCTTATTGTC
GCGCAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFF
:F,FF::FFFFFFFFFFFFFFFF:FFFF:F:F:FFF,FFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:1344:25861:29434_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTCGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTATGAAAGCTATCGG
AGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGA
TAG

+

FFFFFF:FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2358:3757:2143_1:N:0:TCTGCAAG+GCTGCACT
GTATTGTCATCTCGGGTAAAGTGATTACCAAGATGTTTATATAGATACGAGATACCTAGAGAAGGTC
GCAGCGATCTTACTCGTTATCGTAGCTAAGAAGAAGACTTTGGTTACACGTTATGCTCGCAAACCTAA
CGT

+

FFF:FFF,:F,:F,F,,,:::FFFFFF:::,F:FFFF,FFFFFFFF,F,FF,FF:,FFF:F,F,,F,
FF:, :F,:FFFF,F:,FFFF:F,: ,FFFFFF,F,: , ,FF,,FFF:F,:FF,FF,F:F,,,F,FFF
FFF

@A00721:190:HGJW7DSXY:4:1252:2121:5854_1:N:0:TCTGCAAG+GCTGCACT
CAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCTTTTTAGG
TTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTA
CGG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2509:22525:21277_1:N:0:TCTGCAAG+GCTGCACT
TTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGT
TCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAA
TGT

+

F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1119:1750:24314_2:N:0:TCTGCAAG+GCTGCACT
TGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAG

+

@A00721:190:HGJW7DSXY:4:2575:22498:30436_1:N:0:TCTGCAAG+GCTGCACT
CTTTTACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCG
TCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTC
TTT

+

@A00721:190:HGJW7DSXY:4:2628:27489:25457_2:N:0:TCTGCAAG+GCTGCACT
CCACTTCTAATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGC
CGGGAACCTTCTAATAGAGGATCCTGATGACATTATTTCAACGGATACC

+

@A00721:190:HGJW7DSXY:4:2315:16468:28573_1:N:0:TCTGCAAG+GCTGCACT
TGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGAC
CAG

+

@A00721:190:HGJW7DSXY:4:2361:3143:20525_2:N:0:TCTGCAAG+GCTGCACT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGA
ATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACT

+

@A00721:190:HGJW7DSXY:4:1501:3115:14622_1:N:0:TCTGCAAG+GCTGCACT
CTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCC
CGGCCGACGTTTGTCTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGA
GAG

+

@A00721:190:HGJW7DSXY:4:2650:18096:4648_1:N:0:TCTGCAAG+GCTGCACT
ACCCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGG
TAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGA
CCA

+

@A00721:190:HGJW7DSXY:4:2468:21658:25222_1:N:0:TCTGCAAG+GCTGCACT
GGTAAGAAGCCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATA
GGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTCACACGGAA
AGA

+

[illegible]

@A00721:190:HGJW7DSXY:4:1416:11252:7232_2:N:0:TCTGCAAG+GCTGCACT
ACTTTATTATGACCTTGGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAA
AGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTT

@A00721:190:HGJW7DSXY:4:1467:22516:16814_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTAT
CAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACC

@A00721:190:HGJW7DSXY:4:1112:30897:9533_2:N:0:TCTGCAAG+GCTGCACT
GAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCGTGACGAACTGTGGTG
TTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGG

@A00721:190:HGJW7DSXY:4:1307:21956:29841_1:N:0:TCTGCAAG+GCTGCACT
TTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGAGCAGCATGACCATAATTGGTATTGACTTT
CGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATGATAG
TGA

@A00721:190:HGJW7DSXY:4:1131:20799:23265_2:N:0:TCTGCAAG+GCTGCACT
TAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCT
CAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACAT

@A00721:190:HGJW7DSXY:4:2149:5810:3004_1:N:0:TCTGCAAG+GCTGCACT
ACGCAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGA
ACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTTCCTACGTAG
TTT

@A00721:190:HGJW7DSXY:4:1410:11686:8516_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAA
GCGAAATACGATTTCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCA
ATA

@A00721:190:HGJW7DSXY:4:1501:9905:13009_1:N:0:TCTGCAAG+GCTGCACT
GTGCTCTTCCGATCTATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGAT
GCATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTG
CAT

```
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2154:22064:14841_2:N:0:TCTGCAAG+GCTGCACT  
GTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTAC  
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:1602:23647:27007_2:N:0:TCTGCAAG+GCTGCACT  
CTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGA  
TGCTATGTCAGAAGAAGCTATTCAAGCTTGCTGTTTAAAGACTGCAGA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2138:12120:35102_2:N:0:TCTGCAAG+GCTGCACT  
CCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTG  
ATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2474:8377:22326_1:N:0:TCTGCAAG+GCTGCACT  
TTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTTACTTTAACGATCTCT  
CGGTCAITTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT  
ATC  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2271:31060:4460_1:N:0:TCTGCAAG+GCTGCACT  
ACGAAAACCAACTCTTCGTTACGAGACCTGATGGTACAATAGATTTAGTCTATACACCCATCTCAACG  
TGGATAAAGCTTTTTTTTCCGTCCTGAACGTAATACACTACTAGATCACCCGCAAACGACTCGAAACC  
+  
::,FFF,FFF,:F,F:,FFF::,:,FF,,,:F,,,:F,: :FFFF,,,::, :FFFF,F::,:FF:  
,,,::FF,F::,, ,FFFFF,,F:::F,,F,FFFF::,F,,::F::,FF:,F,FFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2560:22697:23077_1:N:0:TCTGCAAG+GCTGCACT  
AAATGAGGTCAAAGCTCTATTTATTAAACGA ACTATTATCCGATTCTTCGAGGGTATCACTACCACTG  
ATCTGCCGACTTTAGTCAAGGA ACTTCAATTCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGC  
AAT  
+  
FFFFFFFFFFFFFFF, FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1147:21160:3568_1:N:0:TCTGCAAG+GCTGCACT  
ATTTTAGAACTTTATTT CAGAACTCTCTCCGATCACCTTGGTGTGATCTCCGGAGGATCTTTTCAAT  
AAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAA  
AGA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
 ,FF  
@A00721:190:HGJW7DSXY:4:1159:19470:8970_1:N:0:TCTGCAAG+GCTGCACT  
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGA
```

CTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGC
ATT

+

FFF:FFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFF:F:FFFF:FFFFFFFF:FFFFFFFFFFFF:FFFF
:FFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1427:9634:31673_2:N:0:TCTGCAAG+GCTGCACT
TCAAGTACCTGAACCTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCT
CGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2168:30309:26303_1:N:0:TCTGCAAG+GCTGCACT
ATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACAC
AAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTCC
CGG

+

FFFFFFFFF::FFFF:FFFF:FF,FFFFFFFFF
FFFFFFFFFFFFFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2241:23502:35806_2:N:0:TCTGCAAG+GCTGCACT
GCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGTCGTTACCGGACGAC
CACTCAAAGGAAACGGGCTGTTGCCAGAGGACAGCAGCGACCACCGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2453:10728:3192_1:N:0:TCTGCAAG+GCTGCACT
AAAAGTCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTG
GTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATC
AAT

+

FFFFFFFFFFF:FF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1259:22761:19774_1:N:0:TCTGCAAG+GCTGCACT
GTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATC
AGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGAATA
AGA

+

FFFFFFFFFFF:FF,FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1460:4716:6402_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGA

+

FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2329:14235:33411_1:N:0:TCTGCAAG+GCTGCACT
GACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCC
GACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCC
GCG

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1371:30671:10050_1:N:0:TCTGCAAG+GCTGCACT
CAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTC TTGGGAATACTTGT TCCCTTTTTTAGG
TTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTA
CGG

+
FFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF,:FFFFFFF
FFF:FFFFFFFFFFFFFFFF::FFF
FFF

@A00721:190:HGJW7DSXY:4:2645:3052:13322_1:N:0:TCTGCAAG+GCTGCACT
TTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAA ACTTCGAGGT
TCAGCTACGAGAGGTGATCCC GGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGA A
TGT

+
FFFFFFFFFFFFFFFFFFFFFFF,:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1162:29921:13197_2:N:0:TCTGCAAG+GCTGCACT
TGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAG
AAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTG

+
FFF:FFFF:FFFFFF,
FFF::FFFF

@A00721:190:HGJW7DSXY:4:1302:28845:20415_1:N:0:TCTGCAAG+GCTGCACT
AGATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTAGAGTCCAAGGACGTTTCCG
TCG GAGGATGACAGGTGGGAGACC GCTCAATAAAC CTCTATTGAATCCCTTTTCCACGATGAAAGCTC
TTT

+
:FFF,,FFFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1614:1307:10895_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTG GTCGAAAA ATATCGCCGG GA ACTT
CTAATAGAGGATCCTGATGACATTATTTCAACG GATACCGATCTCAGTTCT ACCACAGAAACCGTCTC
AGG

+
FF:F FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2659:24903:31939_2:N:0:TCTGCAAG+GCTGCACT
ACTGATCCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGG TGCC
TGATGAGGACGTTGAAAGGATAATTTCAACTCTGAGACTTCTAAGAG

+
FFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2361:7392:26099_2:N:0:TCTGCAAG+GCTGCACT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAA ACCTGTGGACGTTCTTTTCATCGACGA
ATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACT

+
FFF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1548:8938:30467_1:N:0:TCTGCAAG+GCTGCACT
CTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCC
CGGCCGACGTTTGTGCGGAACCTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGA
GAG

+

FFFFF:FFF:FFFFF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1533:10990:7091_2:N:0:TCTGCAAG+GCTGCACT
CCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTA
GAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2549:20302:33458_1:N:0:TCTGCAAG+GCTGCACT
GGTAAGAAGCCCCTTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATA
GGGTACCGAGTCTCCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTACAACGGAA
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2253:7808:2080_2:N:0:TCTGCAAG+GCTGCACT
ACTTTATTATGACCTTGAAAGTTTTTCGGCTGTGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAA
AGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTT

+

FF
FFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1522:29966:2534_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTAT
CAGTAATCCTGATTCTACTACGGATTTCATGGACCTTCCATCCTGTACC

+

FF
FFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1112:32316:10582_2:N:0:TCTGCAAG+GCTGCACT
GAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAAGTGTGGTG
TTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGG

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFF:FF

@A00721:190:HGJW7DSXY:4:1318:5159:12336_1:N:0:TCTGCAAG+GCTGCACT
TTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTT
GGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAGTTTAAATGCTTAACAACAATGATAG
TGA

+

FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1353:1045:26663_2:N:0:TCTGCAAG+GCTGCACT
TAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCT
CAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFF,FFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFF:FFF:FFFFF

@A00721:190:HGJW7DSXY:4:2201:30436:32503_1:N:0:TCTGCAAG+GCTGCACT
ACGCAAAGATATTTTCATGAAAACACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGA
ACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAG
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1412:26847:31078_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAA
GCGAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCA
ATA

+

F:FF:FFFF:FFF,FFFFFFFF:FFFFFFFF:FFFF:FFFFFFFF:FFFFFFFF:FFFFF,F::F:FF
FFFFFFFF:FFFFFFFF:FFFFFFFF,FF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:1635:8269:4163_1:N:0:TCTGCAAG+GCTGCACT
GTGCTCTTCCGATCTATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGAT
GCATGGTGTATCTCCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTG
CAT

+

FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2173:22073:12352_2:N:0:TCTGCAAG+GCTGCACT
GTCAACACTAGTTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTAC
CTCGACCAACATTAAGGCGGCGCGACTAATCTTAAAGCTTCACCCAA

+

FFFFFFFF,FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF,F:FFF:FFFFFFFF:F,FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1639:16288:18396_2:N:0:TCTGCAAG+GCTGCACT
CTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTCACCAGATTGGTTCGAACCCGTTGA
TGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2139:18964:4867_2:N:0:TCTGCAAG+GCTGCACT
CCGAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTG
ATAAAATTATTTAGAGATCTTTCTACTTACAAAGACAATTCAGTT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFF
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2511:18647:19194_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT
ATC

+

FFFFFFFFFFFFFFFF:FFFFFFFF:FF
FFFFFFFF:F:FFFFF:FFFFFFFF,FFFF:FFF,FFF,FFFFFF:F,FFFF::F,FF::FF::,
FF:

@A00721:190:HGJW7DSXY:4:1323:24252:8453_1:N:0:TCTGCAAG+GCTGCACT
AAAACAACTCTTCTTTACGAGACCTTTTGTATAATATATTTAGTCAAAACACCAATCTCAACGCGT
ATAAAGCTATTTTTCCGTCCTGAACTTAATCCACGAAGATATCACCCGCACACGACTCGA

+

FFFFF,F,,,:FF,,FF:,:,:,:F,:::,:,:FFF,,,FFF,,,:,,,:F,FFF,:::,FF,:,,,:
FFF,,,:,,,:FFF,:::,,:,,FF,,,F,:::,:F,,,,F,:,,F,,F:FFFFFFFFF
@A00721:190:HGJW7DSXY:4:1336:25599:22153_2:N:0:TCTGCAAG+GCTGCACT
AATGAGGTCAAAGCTCTATTTATTAAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCACTGA
TCTGCCGACTTTAGTCAAGGAAGTCAATTCCTTCGATGTTTATATTT

+
FF
FF
@A00721:190:HGJW7DSXY:4:1230:29261:16282_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGAAGTCTTATTTTCTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAAT
AAGATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAA
AGA

+
FF,:FF
FF
:FF
@A00721:190:HGJW7DSXY:4:1306:32163:13792_1:N:0:TCTGCAAG+GCTGCACT
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGA
CTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGC
ATT

+
FFFFFFFFFFFFFFF:FF
FF
:FF
@A00721:190:HGJW7DSXY:4:1672:17155:23938_2:N:0:TCTGCAAG+GCTGCACT
TCAAGTACCTGAAGTCTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCT
CGGTAATGAGAGTGTATTCCTTAATATTCTAGTAACCGCTATGTGGGC

+
FFFFFFFFFFFF:FFFFFFFFFFFFFF:FF:FFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFF:FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2318:10908:12587_1:N:0:TCTGCAAG+GCTGCACT
ATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACAC
AAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTCC
CGG

+
FF:FFFF:FFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2253:15872:2143_2:N:0:TCTGCAAG+GCTGCACT
GCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGTCGTTACCGGACGAC
CACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF:FFFF:FFFF:FF:FFFFFFFFFFFF
F:FFFF,FF
@A00721:190:HGJW7DSXY:4:1102:8838:2268_2:N:0:TCTGCAAG+GCTGCACT
GTCACATTCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCA
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAA

+
FF
FF
@A00721:190:HGJW7DSXY:4:2678:32362:32111_1:N:0:TCTGCAAG+GCTGCACT
AATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGG
AAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCC
TAA

+
FFFFFFFFFFFFFFFFFFFFFFFF:FF::FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1460:4797:6104_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGA

+
FFF:FF:FFFFFFFF,FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1526:6397:2018_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCG
ACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCG
CGC

+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
F:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2416:7817:1908_1:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTT
TTG

+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2347:22761:34835_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+
F,FFFFFF:FFFF, :FFFFFF:FF::FF:F,FF:FF, :FFFF:F:,FF,FF,F:,FF:,F,,FFFF
FFFF,,F,:FF:F,:F,FFFF,,F:,FFFF,F,, ,FFFF,FFFFFF::F,FFF:FF,FF:FF:F
,,F

@A00721:190:HGJW7DSXY:4:2142:11153:23124_1:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTGA
TAA

+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2461:9670:14450_1:N:0:TCTGCAAG+GCTGCACT
TGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGA
TTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTG
AAA

+
FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2345:4770:3051_2:N:0:TCTGCAAG+GCTGCACT
TTTATGATTCAAACCTATCGTTGTCGTACATTACAAGGTTGAGGAGACTTTACAGCGCTTATTGTC

$+$

@A00721:190:HGJW7DSXY:4:2456:7175:33865_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTCGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGG
AGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGA
TAG

+

@A00721:190:HGJW7DSXY:4:1235:11252:3944_2:N:0:TCTGCAAG+GCTGCACT
GATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTCATATAGATACGAGATACCTAGAGAAGGTCG
CAGCGATCTTACTCGTTATCGGAGATCGGAAGAGCGTCGTGTAGGGAA

+

@A00721:190:HGJW7DSXY:4:1405:2230:36761_1:N:0:TCTGCAAG+GCTGCACT
CAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCTTTTTAGG
TTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTA
CGG

+

@A00721:190:HGJW7DSXY:4:2647:32027:5415_1:N:0:TCTGCAAG+GCTGCACT
TTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAAC TTCGAGGT
TCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAA
TGT

+

@A00721:190:HGJW7DSXY:4:1311:31647:8328_2:N:0:TCTGCAAG+GCTGCACT
TGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAG
AAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTG

+

@A00721:190:HGJW7DSXY:4:2116:8495:28667_1:N:0:TCTGCAAG+GCTGCACT
AGATCTTGACAGGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTAGAGTCCAAGGACGTTTCCG
TCGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTC
TTT

+

@A00721:190:HGJW7DSXY:4:1641:14262:31422_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTT
CTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTC
AGG

+

[illegible]

@A00721:190:HGJW7DSXY:4:2672:9588:15280_1:N:0:TCTGCAAG+GCTGCACT
GGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGG
ACGTTGAAACGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAG
AAG

@A00721:190:HGJW7DSXY:4:2625:31259:17863_2:N:0:TCTGCAAG+GCTGCACT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGA
ATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACT

@A00721:190:HGJW7DSXY:4:2124:27462:28072_1:N:0:TCTGCAAG+GCTGCACT
CTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCC
CGGCCGACGTTTGTGCGGAACCTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGA
GAG

@A00721:190:HGJW7DSXY:4:2106:26747:3505_2:N:0:TCTGCAAG+GCTGCACT
CCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTA
GAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAG

@A00721:190:HGJW7DSXY:4:1316:28311:10410_2:N:0:TCTGCAAG+GCTGCACT
TTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCT
CCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTTCAC

@A00721:190:HGJW7DSXY:4:2314:25988:8453_2:N:0:TCTGCAAG+GCTGCACT
ACTTTATTATGACCTTGGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAA
AGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTT

@A00721:190:HGJW7DSXY:4:1532:24270:6167_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTAT
CAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACC

@A00721:190:HGJW7DSXY:4:2335:7500:7028_2:N:0:TCTGCAAG+GCTGCACT
GAAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCGTGACGAACTGTGGTG
TTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGG

[illegible]

@A00721:190:HGJW7DSXY:4:1378:11749:28354_1:N:0:TCTGCAAG+GCTGCACT
TTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTT
GGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCAATGAAGTTTAAATGCTTAACAACAATGATAG
TGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1515:10917:15076_2:N:0:TCTGCAAG+GCTGCACT
TAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCT
CAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACAT

+

FF
F:FFFF:FFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2242:4182:20635_1:N:0:TCTGCAAG+GCTGCACT
ACGCAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGA
ACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAG
TTT

+

FF
F:FFFF:FFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2334:14597:12179_1:N:0:TCTGCAAG+GCTGCACT
CTTGGTACGATGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAA
GCGAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCA
ATA

+

FFFFF,F,FF:FFF,,F,FFF:FF,FF:FFF,,FFFF:F,FF:FFFF:F:FF,FF,FFFFFFFF
F,F,FFFF,FFFF:FF:FFFFFFFF:FFF::F,F,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF:F
FFF

@A00721:190:HGJW7DSXY:4:2136:7672:27430_1:N:0:TCTGCAAG+GCTGCACT
GTGCTCTTCCGATCTATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGAT
GCATGGTGTATCTCCTCAGGAGTCCCGCATTGATAATAATGACGAGACTTTCGTCATAATCGCTG
CAT

+

FFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF
FFFF:FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2319:13241:10739_2:N:0:TCTGCAAG+GCTGCACT
GTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTAC
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAA

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2467:27308:2534_2:N:0:TCTGCAAG+GCTGCACT
CTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGA
TGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF
:FFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2139:19000:4930_2:N:0:TCTGCAAG+GCTGCACT
CCAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTG
ATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2533:29640:15969_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT
ATC

+
FFF:FFFFFF,FFFF:FFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFF:FFFFFF
FFFFFFFF:FF:FFFFFF:FFFFFFFF:FFFF,F,FF:F:FFFF,FFFFFF:FFFFFF,F:FFF
F:F

@A00721:190:HGJW7DSXY:4:1552:15148:31109_1:N:0:TCTGCAAG+GCTGCACT
AAAACCAACTCTTGGTTACGATACCTGTTGTTATAATATATTTAGTCTCTACACCCATATCAACGTGT
ATAATGCGTTTTTCCGTCCTGAACCTTAATACTAAGAGATCATCCGCAAACGACTCGA

+
FFFF,F,,,:FF,,F::,F,,F,F,,FF::,F:F,,, :FF:,,,,,,F,FF,,F:,,:F,F,,,:,
,:F,,F::,FFF::,,F,F,F,,FF:::,,, :,,,F,,F::,FF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1602:1090:4131_2:N:0:TCTGCAAG+GCTGCACT
AATGAGGTCAAAGCTCTATTTATTAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCACTGA
TCTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATT

+
FFFFFFFF:F,FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFF:FFFFFF:,FFFFFFFF:,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1253:1099:36119_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGAACTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAAT
AAGATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAA
AGA

+
FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFFF:F:FFF
FFF

@A00721:190:HGJW7DSXY:4:1363:22019:8500_1:N:0:TCTGCAAG+GCTGCACT
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGA
CTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGC
ATT

+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2415:10547:32534_2:N:0:TCTGCAAG+GCTGCACT
TCAAGTACCTGAACCTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCT
CGGTAATGAGAGTGATTCTTAATATTCTAGTAACCGCTATGTGGGC

+
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:F:FFFF

@A00721:190:HGJW7DSXY:4:2523:24605:25441_1:N:0:TCTGCAAG+GCTGCACT
ATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACAC
AAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCTTTGGGAGAATGAAGTCCGCTTCC
CGG

+
F:F:F,FF:,FF:F:FFFFFFFF:FFFF:FFFF:FFFF,FFFF:F,FFFFFFFF
,FF,:FF,,F::FF:FFFFFFFF:FFFF, :FFFF:FF,FFFF:FFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2318:26494:22764_2:N:0:TCTGCAAG+GCTGCACT
GCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGTCGTTACCGGACGAC

CACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGA
+
FF
FFFFFFF:FF:FF
@A00721:190:HGJW7DSXY:4:1203:12518:9079_2:N:0:TCTGCAAG+GCTGCACT
GTCACATTCACTACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCA
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2122:19144:33489_1:N:0:TCTGCAAG+GCTGCACT
GTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATC
AGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATA
AGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFF:FFFF:FF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1529:21115:4617_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGA
+
FF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1557:19045:18975_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCG
ACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTATCCG
CGC
+
:FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF::,FFF:FFFFFFFFFFFFFFFF
FF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFF:FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2470:16712:36010_1:N:0:TCTGCAAG+GCTGCACT
GCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGT
CACCCCTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTT
TTG
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2377:11270:8703_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA
+
FF:FFFF:FFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2439:10556:11475_1:N:0:TCTGCAAG+GCTGCACT
GGAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGA
TAA

FFFFFFFF:FFFFFFFFFFFFFF:FF
FFFFFFFF:FFF
FF:
@A00721:190:HGJW7DSXY:4:2461:9923:14575_1:N:0:TCTGCAAG+GCTGCACT
TGTTCCCTTCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCTGATGGTTTGA
TTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGTGTGCATGGCAGATACTACCGATAAGGTG
AAA
+
FFFF:FFFF,FF,,FFFF,FFFFFF:,F,:FFFFFFFF,F:FF,FFFFFFFF,,,FFFF,FF,FF
FFFFFFFF:F,,:FFFFFF,FFFFFFFFFFFFFFFFFFFF,FF,,FFFF,FFFF,FFFF:FF:FF
:FF
@A00721:190:HGJW7DSXY:4:2463:4535:35086_2:N:0:TCTGCAAG+GCTGCACT
TTTATGATTCAAACCTATCGTTGTCTGACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTC
GCGCAGTTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2632:18756:32878_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTCGTCTAGGAACATTGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGG
AGGGAAGCAAAATGTTTCGTTCTGTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGA
TAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1472:20356:17769_2:N:0:TCTGCAAG+GCTGCACT
GATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTGCG
CAGCGATCTTACTCGTTATCGGAGATCGGAAGAGCGTCGTGTAGGGAA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FF,F,FFFF,
@A00721:190:HGJW7DSXY:4:1458:18267:34350_1:N:0:TCTGCAAG+GCTGCACT
CAGGACGCCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCTTTTTAGG
TTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTA
CGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2651:15619:13103_1:N:0:TCTGCAAG+GCTGCACT
TTCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGT
TCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAA
TGT
+
F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF:FFFFFFFFFFFFF
FFF:FFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2277:17644:13730_2:N:0:TCTGCAAG+GCTGCACT
TGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAG
AAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTG
+
FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFF

+

@A00721:190:HGJW7DSXY:4:1641:14434:32002_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCTT
CTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTC
AGG

 $+$

@A00721:190:HGJW7DSXY:4:1114:30156:34460_1:N:0:TCTGCAAG+GCTGCACT
TAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTT
GAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAA
TAA

+

@A00721:190:HGJW7DSXY:4:2647:32090:25911_2:N:0:TCTGCAAG+GCTGCACT
AGAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGA
ATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACT

+

@A00721:190:HGJW7DSXY:4:2164:16251:8813_1:N:0:TCTGCAAG+GCTGCACT
CTACTTCAACATCAACGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCC
CGGCCGACGTTTGTGCGGAACCTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGA
GAG

+

@A00721:190:HGJW7DSXY:4:2457:9679:24862_2:N:0:TCTGCAAG+GCTGCACT
CCCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTA
GAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAG

 $+$

@A00721:190:HGJW7DSXY:4:1515:15772:28808_2:N:0:TCTGCAAG+GCTGCACT
TTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCT
CCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTTCAC

+

@A00721:190:HGJW7DSXY:4:2373:7726:36417_2:N:0:TCTGCAAG+GCTGCACT
ACTTTATTATGACCTTGGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAA
AGACTCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTT

+

```

FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFF
F,:FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

+

+

+

+

+

+

+

@A00721:190:HGJW7DSXY:4:2440:10529:28338_2:N:0:TCTGCAAG+GCTGCACT
TCAAGTACCTGAACCTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCT
CGGTAATGAGAGTGATTCTTAATATTCTAGTAACCGCTATGTGGGC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2556:12943:12508_1:N:0:TCTGCAAG+GCTGCACT
ATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACAC
AAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTCC
CGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2559:31638:24095_2:N:0:TCTGCAAG+GCTGCACT
GCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGTTCGTTACCGGACGAC
CACTCAATGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1336:21522:27555_2:N:0:TCTGCAAG+GCTGCACT
GTCACATTCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCA
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2273:17183:27743_1:N:0:TCTGCAAG+GCTGCACT
GTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCAAAACTGAGAAGAATAAAGGGAAAGGTCCATC
AGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATA
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1543:23900:21402_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCTGCTACTGA
GGA

+

FFF:F::F,F,:FF:FFFF:,FFFFF,,FFFFF,FFFFFFFF,F,FF,FFF:FFF:FF::FFF:FF,
FFFFFFFFFFFF,FFFFFF:,FF,FFFFFFFFFFFF,F:FFFFF:,FFFFFFFF:F:,FFF:FF:F,F::
,,:
,,:
@A00721:190:HGJW7DSXY:4:2177:3070:29481_1:N:0:TCTGCAAG+GCTGCACT

ACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCG
ACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTATCCG
CGC

+

FFFFFFFF:,F,FFFF:F,:,FFF,FFFFFFFF:FFFFFFFF,F:FFFFFFFF:FFFF:FFFFFFFF
F:F:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF,,FFFFFFFFFFFF:FFFFF:,F
FFF

@A00721:190:HGJW7DSXY:4:1115:20925:36667_1:N:0:TCTGCAAG+GCTGCACT
CGAAGATCCCCTATGGAGTCTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTC
ACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTT
TGC

```
+  
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2401:19244:6856_1:N:0:TCTGCAAG+GCTGCACT  
TTTCCTCCGTCAATTGGGGATTTGCATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC  
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC  
GAA  
+  
F,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2634:20681:8437_1:N:0:TCTGCAAG+GCTGCACT  
GGAAGGCTCTAGAGAAGATCTCACCACTTGAGAAGGCCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG  
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTTCTTTGGAGTTTTAGA  
TAA  
+  
FFFFFFF,FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2612:18376:12054_1:N:0:TCTGCAAG+GCTGCACT  
TGTTCTTCCGGGAAGTTGTGGGATTTAACTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGA  
TTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTG  
AAA  
+  
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1227:15383:34648_1:N:0:TCTGCAAG+GCTGCACT  
ATGATTCAAACCTATCGTTGTCTGACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTGCGG  
CAGTTTCCAGAATTGCGGTTGAAGTTCACCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATC  
GAG  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1127:26919:1329_1:N:0:TCTGCAAG+GCTGCACT  
TGATTGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAAATGTTTCGTTCT  
GTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATC  
TCT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:2158:32081:30906_2:N:0:TCTGCAAG+GCTGCACT  
GATTGTCATCTCGGGGAAAGTGATTACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTGCG  
CAGCGATCTTACTCGTTATCGGAGATCGGAAGAGCGTCGTGTAGGGAA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:  
@A00721:190:HGJW7DSXY:4:2220:6659:1595_1:N:0:TCTGCAAG+GCTGCACT  
CAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTTAGG  
TTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTA  
CGG
```

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:2437:16694:9862_1:N:0:TCTGCAAG+GCTGCACT
CTTGAACGAAGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAA
GCGAAATACGATTTCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCA
ATA

+
FF:FFFFF
FFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1240:6126:25786_2:N:0:TCTGCAAG+GCTGCACT
TACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGC
ATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGA

+
FF
FF

@A00721:190:HGJW7DSXY:4:2325:19180:22091_2:N:0:TCTGCAAG+GCTGCACT
TCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTCGACCCGATTATATGGTA
TTAACTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAA

+
FF
FFFFFFFFFFFFFFF:FFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2506:11686:10895_2:N:0:TCTGCAAG+GCTGCACT
GTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTAC
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAA

+
FFFFFFFFFF:FF:FFFFFFF:FF:FFFFFFFFFF
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2630:18511:30639_2:N:0:TCTGCAAG+GCTGCACT
CTAGCCTTCAAGTGGGGTATGCCTGCGGAATACGCTTGCTATTACCAGATTGGTTCGAACCCGTTGA
TGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGTCTGCAGA

+
FF:FFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2628:24162:30906_2:N:0:TCTGCAAG+GCTGCACT
CCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTG
ATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTT

+
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FF:F:FF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2676:16947:1595_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTTACCAAATTCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCT
CGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCT
ATC

+
FF:FFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1218:26612:7091_1:N:0:TCTGCAAG+GCTGCACT
AAAACAACTCTTCTTTACTAGACTTTTTTGTTTTATTATATTTAGTCTCCACACCAATCTCACCGAGT
ATAAAGCTTTTTTCCGTCCTGAACCTTAATACACGAAGATATAAGCCGCACACGACTCGAAA

+
FFF:F,,,,,FF,,F:,:,F,,F,F,,F:,::,F,F,,,FFF:,,,,,,F,:F:,,,,,,F:,::,,
::F,,,,:,FFF:F:,,,,:,:::FFF:,F,,F,,,,F,,,F:,,:F,FFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2324:5674:34679_2:N:0:TCTGCAAG+GCTGCACT
AATGAGGTCAAAGCTCTATTTATTAAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCACTGA
TCTGCCGACTTTAGTCAAGGAAGTCAATTCCTTCGATGTTTATATTT

+

FFFFFFFFFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:1316:21070:20572_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGAAGTCTTATTTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAAT
AAGATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAA
AGA

+

FF
FF,
FFF

@A00721:190:HGJW7DSXY:4:1545:10682:13823_1:N:0:TCTGCAAG+GCTGCACT
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGA
CTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGC
ATT

+

FFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FF:F:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1232:4155:7654_2:N:0:TCTGCAAG+GCTGCACT
ACCTGAAGTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAA
TGAGAGTGTATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFF,F:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2556:9787:13526_1:N:0:TCTGCAAG+GCTGCACT
ATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACAC
AAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTCC
CGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2608:24053:35196_2:N:0:TCTGCAAG+GCTGCACT
GCTGTGCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGTCGTTACCGGACGAC
CACTCAAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGA

+

FFFFFFFFFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:1572:2058:3552_2:N:0:TCTGCAAG+GCTGCACT
GTCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCA
ATACGTCGTGGGAGGTACTGAAGCCTTCCCTCCGCTGGCACGAAGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2403:15673:32299_1:N:0:TCTGCAAG+GCTGCACT
GTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATC
AGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATA
AGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF,F:F,FFF,FFFF:FF:FFFFFF

FFFFFFFFFFFF,FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1607:31376:16595_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCGACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGA

+

FF
FFFFFFFFFFFFFFFF:F,FF
FFF

@A00721:190:HGJW7DSXY:4:2364:19560:31422_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCG
ACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCG
CGC

+

FF
FF:F
FFF

@A00721:190:HGJW7DSXY:4:1206:18087:14121_1:N:0:TCTGCAAG+GCTGCACT
CGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTC
ACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTT
TGC

+

FF
FF:F:F
FFF

@A00721:190:HGJW7DSXY:4:2547:13422:25363_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

F:FFFFFFFF:FFFFFFFF,FF:FFFFFFFFFFFF
FF:F:F
FFF

@A00721:190:HGJW7DSXY:4:2502:31114:10848_1:N:0:TCTGCAAG+GCTGCACT
GTAAGGCTCTAGATAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
GATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGA
TAA

+

F,:F,FFFFFFFF,:FFFFFF:F:F,:FF:FF,FF:F:FFFFFFFFFFFFFFFF,FFFFFFFFF:,FFFF
FFFF,:FFF:FF:F:FFFFFF:FFFFFFFF:F,,FF,,FFF:,FFF:FF,FFF,FFFF:, :FFFFFF,
FFF

@A00721:190:HGJW7DSXY:4:2675:17219:33880_1:N:0:TCTGCAAG+GCTGCACT
TGTTCCCTCCGGAAGTTGTGGGATTTAACTTTGACTCACTACTCCGATCAGATCCGGATGGTTTGA
TTGGTATGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTG
AAA

+

FF:FF:FFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1376:17716:36464_1:N:0:TCTGCAAG+GCTGCACT
ATGATTCAAAACCTATCGTTGTCTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTGCGC
CAGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGAGCCATATC
GAG

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1420:15121:13182_1:N:0:TCTGCAAG+GCTGCACT
TGATTGGAACGTACCTACTCACGAGACGTGATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCT
GTTACAAGAACGCTTTGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATC
TCT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2358:27905:9987_2:N:0:TCTGCAAG+GCTGCACT
GATTGTCATCTCGGGGAAAGTGATTCACCAAGATGTTTCATATAGATACGAGATACCTAGAGAAGGTG
CAGCGATCTTACTCGTTATCGGAGATCGGAAGAGCGTCGTGTAGGGAA
+
F:F::FFFFFFFF:FFFFFF:::FFFFFF,:FFFF:FFFFFFFFFFFFFFFF:FFF:FFFF:FF:FF:F
:F,F:F:FF:FFF::F:FF:,FF:FFFF,FFFF,FFFF:FF,F:FF
@A00721:190:HGJW7DSXY:4:2448:5936:19820_1:N:0:TCTGCAAG+GCTGCACT
CAGGACGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCTTTTGTAGG
TTTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTA
CGG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2228:23176:13667_1:N:0:TCTGCAAG+GCTGCACT
TCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGT
CAGCTACGAGAGGTGATCCCGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAAT
GTT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1262:25473:1423_1:N:0:TCTGCAAG+GCTGCACT
TGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAG
AAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCA
GAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1257:32841:1376_1:N:0:TCTGCAAG+GCTGCACT
GATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCTAGAGTCCAAGGACGTTTCCGT
CGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCT
TT
+
FFFF:FF
FF
F,
@A00721:190:HGJW7DSXY:4:2266:16161:16172_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCT
CTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTC
AGG

+
FF,FFFF::FFFFFF,FF,FF:FFFFFFFFFFFF:FFF:FFFF:FFFFFFFF:FFFFFF, :FFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFF,FFFFFFFFFFFF:FFFFFF, :FFFFFF:FFFFFFFF
,FF
@A00721:190:HGJW7DSXY:4:1361:13024:2253_1:N:0:TCTGCAAG+GCTGCACT
TAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGGCCTGATGAGGACGTT
GAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAA
TAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1666:21820:1861_2:N:0:TCTGCAAG+GCTGCACT
GAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAA
TTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2405:29252:32236_1:N:0:TCTGCAAG+GCTGCACT
CTACTTCAACATCAACGACATCATTCTTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCC
CGGCCGACGTTTGTGCGGAACCTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGA
GAG
+
:FF:FFFF:FFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1105:15998:17331_1:N:0:TCTGCAAG+GCTGCACT
CTCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTA
GAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGAACC
ACC
+
:FF,,FFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFF,FFFFFF:F
FFFFFFFF:FFFFFFFFFFFFFFFF:F:FFFFFF: :F:FFFF:,FFFFFFFF, F:FFFFFFF
F::
@A00721:190:HGJW7DSXY:4:2172:22101:25426_2:N:0:TCTGCAAG+GCTGCACT
TTGAGCCGCGTAGTCAGCGCTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCT
CCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:1261:30698:2581_2:N:0:TCTGCAAG+GCTGCACT
TATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTGCTGGGACGATTCCATTCTGTTTTCAAAGAC
TCCAATAACTGATCATTCTGATCATATGATTTTGACAATGGTTTCGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1570:31322:3474_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTAT
CAGTAATCCTGATTCTACTACGATTTCATGGACCTTCCATCCTGTACC
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFF:FFFFFFFFFFFF:FFFF,FFFFFFFFFFFFFFFF, :
@A00721:190:HGJW7DSXY:4:2143:3595:20807_1:N:0:TCTGCAAG+GCTGCACT
AAAGGCGAACTTTGGAATTTGAAGCTCAGGTGAAGCACACGTTTGACCGTGACGAAGTGTGGTGT

TCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACGATA
TTT

+

FFFFF,:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF,:F:FFFF,FFFFF:FFFFFFFFFFFFF
F,FFFFFFFFFFFFFFFF:FFFFFFFFF:FF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF,FF,FF
FFF

@A00721:190:HGJW7DSXY:4:1553:18367:22435_1:N:0:TCTGCAAG+GCTGCACT
TTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGAGCAGCATGACCATAATTGGTATTGACTTT
GGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATGATAG
TGA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2108:23854:25895_2:N:0:TCTGCAAG+GCTGCACT
TAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCT
CAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAAACAT

+

FFFFFFFFFFFFFFF:FF
FFFFFFFFF:FF:FFFFF

@A00721:190:HGJW7DSXY:4:2504:32497:34162_1:N:0:TCTGCAAG+GCTGCACT
ACGCAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGA
ACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAG
TTT

+

FFF:FFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1133:10908:22169_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAACGAAGGCGACCTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGC
GAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAAT
ATG

+

FF:
FFFFFFFFF:FFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1128:29324:17957_1:N:0:TCTGCAAG+GCTGCACT
TACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGC
ATGGTGTATCTCCTCAGGAGTCCCGGCATTGATAATAATGACGAGACTTTCGTCAATCGCTGCA
TAT

+

FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1311:3857:2033_1:N:0:TCTGCAAG+GCTGCACT
GTCAACACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTAC
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTACCCAAAATGAAGGACACTTCGAAAC
TGA

+

FF:FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2551:10800:29622_1:N:0:TCTGCAAG+GCTGCACT
TTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTTCAAGCTTGTCTTAAGACTGCAGA

FF
FFF

@A00721:190:HGJW7DSXY:4:1449:27751:18865_1:N:0:TCTGCAAG+GCTGCACT
GCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTC
AAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGT
CCC

+
FFFFFFFFFFFFFFFFFFFFFFFF,FFFF,FF:FFFFFF
FF:FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1618:8449:18223_2:N:0:TCTGCAAG+GCTGCACT
GTCACATTCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTCAAGAGTGGTCA
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGCAAGAA

+
FF
FF

@A00721:190:HGJW7DSXY:4:2420:24035:26772_1:N:0:TCTGCAAG+GCTGCACT
GTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATC
AGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGAATA
AGA

+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFF,:FFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1608:28546:4742_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCAATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTGCTCACTGA
GGA

+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF
FFFFFFFFFFFFFFFFFFFF,F,FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2548:20726:5259_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCG
ACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTATCCG
CGC

+
FF
FF:FF:F:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1454:32940:21057_1:N:0:TCTGCAAG+GCTGCACT
CGAAGATCCCCTATGGAGTCTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTC
ACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTT
TGC

+
FFFFFFFFFFF:FFFFFFFFFFF,FFFFFFFFFFF:FFFFFF:FFFFFFFFFFF,FFFFFFFFFFF:F
FFFFFF,FFFFFFFFFFFFFFFFFFF,:FFF:FFFFFF:FFFFFF:FFFFFF:FFFF,FFFF:F
,FF

@A00721:190:HGJW7DSXY:4:2633:14190:22279_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGTCCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+
:FFFF:FFF:FFF:F,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFF:FF:FFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1272:4417:2628_1:N:0:TCTGCAAG+GCTGCACT
TGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAG
AAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCA
GAT

+

FF:FF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2672:13729:20322_1:N:0:TCTGCAAG+GCTGCACT
GATCTTGCAGAGTGAAGTTCAGACGTGTGCTCTTCCGATCTCTAGAGTCCAAGGACGTTTCCGT
CGGAGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCT
TT

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:2420:22580:28541_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCT
CTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTC
AGG

+

FFFF:FF,FF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2665:10348:28682_1:N:0:TCTGCAAG+GCTGCACT
TAGAGAAAGACGACCTTCTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTT
GAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAA
TAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2119:14687:20760_2:N:0:TCTGCAAG+GCTGCACT
GAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAA
TTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1331:27823:7122_2:N:0:TCTGCAAG+GCTGCACT
TACTTCAACATCAACGACATCATTCTTGATGAGTGTGTTCTTATCGAAGTCTCAGGTATCGCTGCCC
GGCCGACGTTTGTGCGGAACCTCTCAGAGGTTTACGGCAGAAAAATTTC

+

,F:,FFFFFFFF:F,F:,FF,FF,FFF:F:FFFF,FFF:,F,,FF,F:F:F:,FF:F,F,FFFF
,FFF,FF:,FFFF,FF:,FF,:,:::FF:FFF:FF:FFFFFF,FF:

@A00721:190:HGJW7DSXY:4:1168:27380:26428_1:N:0:TCTGCAAG+GCTGCACT
CTCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTA
GAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTTGAACC
ACC

+

FFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2172:22336:27367_2:N:0:TCTGCAAG+GCTGCACT
TTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCT

+

+

+

+

+

+

+

 $+$ [illegible]

+

 $+$ $+$

+

+

 $+$

+

[illegible]

@A00721:190:HGJW7DSXY:4:2331:9019:21339_1:N:0:TCTGCAAG+GCTGCACT
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGA
CTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGC
ATT

+
FFFFFFFFFFFF:F:FF
F,F:FFFFF:FF
:FF

@A00721:190:HGJW7DSXY:4:2437:18765:30389_2:N:0:TCTGCAAG+GCTGCACT
ACCTGAACCTTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAA
TGAGAGTGTATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACT

+
FF
FF

@A00721:190:HGJW7DSXY:4:2676:8486:9925_1:N:0:TCTGCAAG+GCTGCACT
ATTCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACAC
AAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTCC
CGG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1453:22724:9189_1:N:0:TCTGCAAG+GCTGCACT
GCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTC
AAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGT
CCC

+
FFFFFFFFFFFF:FFFFFFFFF,:F:FF
FF,FF
FFF

@A00721:190:HGJW7DSXY:4:1662:23421:14058_2:N:0:TCTGCAAG+GCTGCACT
GTCACATTCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCA
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAA

+
FFF:FF
FF

@A00721:190:HGJW7DSXY:4:2439:23077:22952_1:N:0:TCTGCAAG+GCTGCACT
GTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATC
AGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGAATA
AGA

+
FF:F,FFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:F:FF
FFF

@A00721:190:HGJW7DSXY:4:1608:31268:35383_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTGCTCACTGA
GGA

+
FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2563:27407:16016_1:N:0:TCTGCAAG+GCTGCACT
ACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCG

ACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCG
CGC

+

:FFF:FFF:FFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1469:11740:7889_1:N:0:TCTGCAAG+GCTGCACT
CGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTC
ACCCTTAAGCACCAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTT
TGC

+

FFFFFFFF:FFFF:FFF:FF:FFFFFFF
FFFFFF:FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2635:25934:31657_1:N:0:TCTGCAAG+GCTGCACT
TTTCCTCCGTCATTGGGATTTGCATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

::FFFF:FF:FFFF:,FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1266:7997:7607_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAG
ATTATTTGAAGCAGGGGTACCCTTCCTAAGGTGGATGAGGGAGGTT

+

FF:FFFFFFF:
FFFFFF:FF

@A00721:190:HGJW7DSXY:4:2148:26982:7513_1:N:0:TCTGCAAG+GCTGCACT
TAACCTTTGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT
CTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGT
AGC

+

FFFF,FF,FFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1146:10728:22733_1:N:0:TCTGCAAG+GCTGCACT
TGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGC
AGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCG
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2141:20302:18208_1:N:0:TCTGCAAG+GCTGCACT
TGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCT
GTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATC
TCT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1402:21079:20776_2:N:0:TCTGCAAG+GCTGCACT
ATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTT

GGGTACACGTTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCT
+
FF
FFFFFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:2275:1425:33896_2:N:0:TCTGCAAG+GCTGCACT
CGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCCTTTTAGGTTTAG
TAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2667:29658:8328_1:N:0:TCTGCAAG+GCTGCACT
TCTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAACCTTCGAGGTT
CAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAAT
GTT
+
FF
FF:
FFF
@A00721:190:HGJW7DSXY:4:1272:4544:4476_1:N:0:TCTGCAAG+GCTGCACT
TGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAG
AAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCA
GAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1170:11695:9533_1:N:0:TCTGCAAG+GCTGCACT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGGATGACAGGTGGGAGACCGCTCAATAAACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTA
TGA
+
FFFFF:FF
FF:
FFF
@A00721:190:HGJW7DSXY:4:2442:12906:19429_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCT
CTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTC
AGG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2639:4698:3302_2:N:0:TCTGCAAG+GCTGCACT
AAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAG
GGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAA
+
FFF:
FFFFF,FF:
@A00721:190:HGJW7DSXY:4:2261:1741:15749_2:N:0:TCTGCAAG+GCTGCACT
GAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAA
TTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTT
+
:FF:
FFFFFFFF:FFFFFFFF,FFFFFFFFFFFF,F:F:FFFFFFFFFFFFFFFF:F

$+$

@A00721:190:HGJW7DSXY:4:1430:16260:1626_1:N:0:TCTGCAAG+GCTGCACT
CTCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTA
GAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACC
ACC

+

@A00721:190:HGJW7DSXY:4:2211:14226:32424_2:N:0:TCTGCAAG+GCTGCACT
TTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCT
CCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTTCAC

+

@A00721:190:HGJW7DSXY:4:1463:23375:8750_2:N:0:TCTGCAAG+GCTGCACT
TATTATGACCTTGGAAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAGAC
TCCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGA

 $+$

@A00721:190:HGJW7DSXY:4:2106:29812:7122_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAATTTTGATGCGGTTTCATAAGATTAT
CAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACC

+

@A00721:190:HGJW7DSXY:4:2367:22272:31610_1:N:0:TCTGCAAG+GCTGCACT
AAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAACTGTGGTGT
TCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACGATA
TTT

+

@A00721:190:HGJW7DSXY:4:2113:3893:7138_1:N:0:TCTGCAAG+GCTGCACT
TTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTT
GGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAG
TGA

 $+$

@A00721:190:HGJW7DSXY:4:2545:3088:15546_2:N:0:TCTGCAAG+GCTGCACT
TAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCT
CAGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACAT

 $+$ [illegible]

@A00721:190:HGJW7DSXY:4:2578:21224:33739_1:N:0:TCTGCAAG+GCTGCACT
ACGCAAAGATATTTTCATGAAAACACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGA
ACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAG
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1378:20094:1344_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAACGAAGGCGACCTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGC
GAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAAT
ATG

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2236:4444:27101_1:N:0:TCTGCAAG+GCTGCACT
TACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGC
ATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCA
TAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1338:3721:8563_1:N:0:TCTGCAAG+GCTGCACT
TGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGATGACGTGAGAATAGGTGAAGGGATAGTTTTTAC
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAAC
TGA

+

F,F::FF::FFF:FF:FFFF,FFFFFF,:FF:FF:FF,F:FF:FF,FFFF,F:F,FF:F,FFFFFF
FFFFFF:FFFFFFFFF:FFF,,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFF::F:F
FFF

@A00721:190:HGJW7DSXY:4:1329:4770:20118_1:N:0:TCTGCAAG+GCTGCACT
GATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTGTTTTAAAGACTGCAGA
GGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGAC
GTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1667:15049:8547_1:N:0:TCTGCAAG+GCTGCACT
TTACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTC
ATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTT
TTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2240:23728:36980_1:N:0:TCTGCAAG+GCTGCACT
CCAACCTCTGTTTAGTCTACCTGTTGTTATAATTTATTTTGTCTCAACACCAATATCAACGTGTATAA
AGCTATTTTCCGTCCTTAACCTAATACACGATTATAACATCCGAACACGACTCGAAACCGAGACGCC
GTA

+

F,::,F,F,,:FF::,,,::,F,,:::,FF,,,F,FF:::,::,,,F,,,F,,,F,

,,,,,FFFF:F,::F,F,F,,:,F,,F:,:::,:::,:::,F:,F,FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1201:10945:5603_1:N:0:TCTGCAAG+GCTGCACT
AATGAGGTCAAAGCTCTATTTATTAAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCACTGA
TCTGCCGACTTTAGTCAAGGAAGTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCA
ATA

+

F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1432:26585:7639_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGAAGTCTTATTTTCAAGTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAAT
AAGATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAA
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2373:26060:26428_1:N:0:TCTGCAAG+GCTGCACT
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATACTTGA
CTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGC
ATT

+

,FFFFF:FFF:FFFFFFFFFFFF:FFFF:FFF,FFFFFFFFF:FFFFFFFFF:FFF:F::FFFFFFFFF
FFF:FFFFFF:F,,F,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF,FFF:FF::FFF:FF,FFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2671:7735:21277_2:N:0:TCTGCAAG+GCTGCACT
ACCTGAAGTCTTACATTTTAAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAA
TGAGAGTGTATTCTTAATATTCTAGTAACCGCTATGTGGGCATTACT

+

F::F:F:F:FFFF:FF,FFFF:::F:,FFF,F:F,::FF:,FFFFFFFF:FFFFFFFF:,F:FF:F
F:FFFF::FF:FF,FFFFFFFFF,F:FFFF,,FF,,,,,:FFFF:F

@A00721:190:HGJW7DSXY:4:2403:15971:1658_2:N:0:TCTGCAAG+GCTGCACT
TCAATAGCTTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAA
AAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGA

+

FFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF,FFFFFFFFFFFF:FFFFFFFFFFFF:FFF:FFFF
FFFFF::FFFFFFFF:FFFFFFF:,FFFFFFFFFFFFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1549:14597:35321_1:N:0:TCTGCAAG+GCTGCACT
GCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTC
AAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGT
CCC

+

FFFFFFFFFFFFFFFFFFFF:FFF,FFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2430:17852:1188_2:N:0:TCTGCAAG+GCTGCACT
GTCACATTCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCA
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2452:3857:16407_1:N:0:TCTGCAAG+GCTGCACT
GTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATC

AGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGAATA
AGA

+

FFFFFF::FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1618:25870:31579_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCTGCACTGA
GGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1321:4951:19022_1:N:0:TCTGCAAG+GCTGCACT
CTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGAAAGAGAATTGCGTGGGTTGAAGGCCGA
CGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATTTTATCCGC
GC

+

FFFF:FF
FF
FF

@A00721:190:HGJW7DSXY:4:1561:19976:26663_1:N:0:TCTGCAAG+GCTGCACT
CGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTC
ACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTT
TGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1624:19750:27336_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTTTGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1273:19777:24846_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTT

+

FFFFFFF,FF
F:FF
@A00721:190:HGJW7DSXY:4:2171:28375:1376_1:N:0:TCTGCAAG+GCTGCACT

TAACCTTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT
CTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGT
AGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1509:20085:30170_1:N:0:TCTGCAAG+GCTGCACT
TGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGC

AGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCG
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2342:30481:15076_1:N:0:TCTGCAAG+GCTGCACT
TGATTGGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCT
GTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATC
TCT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1458:28944:35180_2:N:0:TCTGCAAG+GCTGCACT
ATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTT
GGGTACACGTTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2331:31159:29152_2:N:0:TCTGCAAG+GCTGCACT
CGCCTACGGTGACTTTATGGACAAGATGCAAGTCTTGGGAAATACTTGTTTCCCTTTTAGGTTTAG
TAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAA

+

FF
FF
::F:F

@A00721:190:HGJW7DSXY:4:1113:21151:7654_1:N:0:TCTGCAAG+GCTGCACT
CTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAACCTTCGAGGTTC
AGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATG
TTG

+

FFFFFFFFFFFFFFFFFFFF,,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF,FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1440:21450:29246_1:N:0:TCTGCAAG+GCTGCACT
TGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAG
AAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCA
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1239:31720:33630_1:N:0:TCTGCAAG+GCTGCACT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTA
TGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2442:13440:19194_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCT
CTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTC
AGG

```

+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2639:5448:3787_2:N:0:TCTGCAAG+GCTGCACT
AAAGACGACCTTCTTGTTGGGACTGAGACCTCTGAATTTTCAGGTGCCCTGATGAGGACGTTGAAAG
GGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAA
+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2502:19623:33724_2:N:0:TCTGCAAG+GCTGCACT
GAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAA
TTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1549:6027:27305_2:N:0:TCTGCAAG+GCTGCACT
TACTTCAACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCC
GGCCGACGTTTGTGCGGAACCTCTCAGAGGTTTACGGCAGAAAAATTTA
+
,F,:FFFF:F,FFF,FF::FFF,FF,FFFFFF:FF:,FFF:,FF::,FFFF:FF::FF:,FF,:FFF
:FFF,FFF,FFFFFFF,:F,,FFFFFF,FFFFFF,FFFF:FFFF:FF,
@A00721:190:HGJW7DSXY:4:1502:22851:10942_1:N:0:TCTGCAAG+GCTGCACT
CTCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTA
GAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACC
ACC
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2440:21187:11788_2:N:0:TCTGCAAG+GCTGCACT
TTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCT
CCAAGAGAATATTTATTCTTATGAGGCTCGAAACTTCAACGTTTTTCAC
+
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:2174:24352:27289_2:N:0:TCTGCAAG+GCTGCACT
TATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAGAC
TCCAATAACTGATCATTCTGATCATATGATTTTGACAATGGTTTCGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2222:10429:9032_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGGAGTTCTTGAAGCATCCCACCTTTCCTTGTTGAAAATTTTGATGCGGTTTCATAAGATTAT
CAGTAATCCTGATTCTACTACGGATTTCATGGACCTTCCATCCTGTACC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2557:22281:15248_1:N:0:TCTGCAAG+GCTGCACT
AAAGGCGAACCTTTGGGAATTTGAAGCTCAGGGTGAAGCACAACTTTGACCGTGACGAACGTGGTGT
TCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTACGATA
TTT
+
FFFFFFF,FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFF

```

FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2174:2645:2315_1:N:0:TCTGCAAG+GCTGCACT
TTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGAGCAGCATGACCATAATTGGTATTGACTTT
GGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCAATGAAGTTTAAATGCTTAACAACAATGATAG
TGA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1273:17842:35211_2:N:0:TCTGCAAG+GCTGCACT
AATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTC
AGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATT

+
FF
FF

@A00721:190:HGJW7DSXY:4:2657:23194:25285_1:N:0:TCTGCAAG+GCTGCACT
ACGCAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGA
ACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAG
TTT

+
FFFFFFFFFFFF:FFF::FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1444:11487:1814_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAACGAAGGCGACCTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGC
GAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAAT
ATG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2356:24758:16720_1:N:0:TCTGCAAG+GCTGCACT
TACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGC
ATGGTGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCA
TAT

+
FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1342:23393:10661_1:N:0:TCTGCAAG+GCTGCACT
TGAAGGAGTTTCAAGCGTGTGCTCTTCCGATCTGATGACGTGAGAATAGGTGAAGGGATAGTTTTTAC
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTACCCAAAATGAAGGACACTTCGAAAC
TGA

+
FFF:FF,FFFF:F:,F
FF,FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1419:32850:20870_1:N:0:TCTGCAAG+GCTGCACT
GATTGGTTTCAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTGTTTTAAAGACTGCAGA
GGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGAGAC
GTG

+
::FFFF:FFFFFF::F,FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1605:25455:24126_1:N:0:TCTGCAAG+GCTGCACT
GCAGAATAACCTTCCCAAATCTAGATCGGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTC
AAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGT
CCC

+

FFFFFFFFFFFF:FFFFFF:FFFFFF:F,FFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2453:10728:3192_2:N:0:TCTGCAAG+GCTGCACT
GTCACATTCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCA
ATACGTCGTGGGAGGTACTGAAGCCTTCCCTCCGCTGGCACGAAGAA

+

FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2604:9986:27868_1:N:0:TCTGCAAG+GCTGCACT
GTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATC
AGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGAATA
AGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFF,FFFFFFFFFFFFFFFFFFFF:FF,F:FF,FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1622:20645:36589_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTTCTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1341:12572:10802_2:N:0:TCTGCAAG+GCTGCACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2564:17228:15546_1:N:0:TCTGCAAG+GCTGCACT
TAAGTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCT
CTC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1659:28094:28009_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTTTGGGGATTTGATGTGAGAAGGTGGAAGGTGTCAAGGTCCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2353:5565:15546_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG

ATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2214:8440:21245_1:N:0:TCTGCAAG+GCTGCACT
TAACCTTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT
CTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGT
AGC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1517:11849:32409_1:N:0:TCTGCAAG+GCTGCACT
TGATTCAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGC
AGTTTCCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCG
AGA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2619:21124:27931_1:N:0:TCTGCAAG+GCTGCACT
TGATTGGAACGTACCTACTCACGAGACGTCATGAAAGCTATCGGAGGGAAGCAAATGTTTCGTTCT
GTTACAAGAACGCTTTGGATTGTGACCATAAAGCCTCAGTTGCGATAGCTGTAGAGGTATACGATATC
TCT
+
FFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2328:10077:9204_2:N:0:TCTGCAAG+GCTGCACT
ATAGATACGAGATACCTAGAGAAGGTGCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTT
GGGTACACGTTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCT
+
FFF::FFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFF
FFFFFFFFFF:FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2506:29496:27179_2:N:0:TCTGCAAG+GCTGCACT
CGCCTACGGTGACTTTATGGACAAGATGCAAGTCTTGGGAAATACTTGTTTCCCTTTTATAGGTTTAG
TAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAA
+
FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFF,FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1338:4218:20008_1:N:0:TCTGCAAG+GCTGCACT
CTTGAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTT
AGCTACGAGAGGTGATCCCGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATG
TTG
+
FFFFFFFFFFFFFFFFFFFF,FF:FFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2234:4092:24893_1:N:0:TCTGCAAG+GCTGCACT
TGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCCTAAAG
AAAAATTTTGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCA
GAT
+
FFF:F::FF,,F,,:FFFFFFFF:FFFFFFFF:F:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFF:

FFFFFFFF:FFFF,FFF:FF:,FFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:
FFF

@A00721:190:HGJW7DSXY:4:1320:18593:28244_1:N:0:TCTGCAAG+GCTGCACT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTGA
TGA

+

FFFFFFFF,FFFFFFFF,FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2502:31593:35540_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGGAAACGTCGCGAAAAGAAAGTTCATGAGGATGTCTTGGTCGAAAAATATCGCCGGGAACCT
CTAATAGAGGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTC
AGG

+

FFFFFFFFFFFF:FFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1248:5258:29763_2:N:0:TCTGCAAG+GCTGCACT
AAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGG
GATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF
FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2526:9037:17895_2:N:0:TCTGCAAG+GCTGCACT
GAACAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAA
TTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTT

+

FF:FFFFFFFF
FFFF:FFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2258:11080:31203_2:N:0:TCTGCAAG+GCTGCACT
TACTTCAACATCAACGACATCATTCTTGATGAGTGTCTTATCGAAGTCTCAGTTATCGCTGCCC
GGCCGACGTTTGTAGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTA

+

FFF:F:FF:FFFF:FFFF:FFFF,FF,FFFFFFFFFFFFFFFF:FFFFF,,F,:F:FF:F,FF,FFFF
,FFFFFF:FFF,F,FFFFFF,:F,FFFF:FF,:FFF:FFFFFFFF,

@A00721:190:HGJW7DSXY:4:1508:31295:4272_1:N:0:TCTGCAAG+GCTGCACT
CTCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTA
GAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACC
ACC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2524:9778:27195_2:N:0:TCTGCAAG+GCTGCACT
TTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCT
CCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCAC

+

FF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2250:19651:5055_2:N:0:TCTGCAAG+GCTGCACT
TATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTGCTGGGACGATTCCATTCTGTTTTCAAAGAC
TCCAATAACTGATCATTCTGATCATATGATTTTGACAATGGTTTCGA

+

FF
F:FF
@A00721:190:HGJW7DSXY:4:2333:9191:16313_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTAT
CAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACC

+
FF
FF::FFFFFFF
@A00721:190:HGJW7DSXY:4:2561:14163:33536_1:N:0:TCTGCAAG+GCTGCACT
AAAGGCGAACTTTGGGAATTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAAGTGTGGTGT
TCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACGATA
TTT

+
FFFFFFFFFFFFFFF:FF:FFFFFFFFF
FFFFFFFFF::FFF
FFF
@A00721:190:HGJW7DSXY:4:2320:11831:11334_1:N:0:TCTGCAAG+GCTGCACT
TTTTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGAGCAGCATGACCATAATTGGTATTGACTTT
GGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAGTTTAAATGCTTAACAACAATGATAG
TGA

+
FFFFF,FFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FF::F:FFFF:,FFF:FFF,FFFFFFFFF
F,FFF:F,FFFFF:FFFFFFFFFFFFF:F,:FFFFFFFFFFFFF,FFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2203:11912:32706_2:N:0:TCTGCAAG+GCTGCACT
AATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTC
AGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATT

+
FF
FF:FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1214:26630:27884_2:N:0:TCTGCAAG+GCTGCACT
GCAAAGATATTTTCATGAAACTACATAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAAC
CTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAG

+
FFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:F,FFF:F,FF:FFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1562:12219:35775_1:N:0:TCTGCAAG+GCTGCACT
CTTGAACGAAGCGACCTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGC
GAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAAT
ATG

+
FF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2624:19479:9079_1:N:0:TCTGCAAG+GCTGCACT
TACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGC
ATGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCA
TAT

+
FF
FFF
FFF
@A00721:190:HGJW7DSXY:4:1352:21151:25097_1:N:0:TCTGCAAG+GCTGCACT
TGAAGGAGTTTCAAGCGTGTGCTCTTCGATCTGATGACGTGAGAATAGGTGAAGGGATAGTTTTTAC

CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAAC
TGA

+

FF:FFFFFF
FF:FFF:FFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1519:1108:15624_1:N:0:TCTGCAAG+GCTGCACT
GATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCTTTAAAGACTGCAGA
GGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGAC
GTG

+

FFFF::FFFFFFFF:F::FF,FFF:FF,FFFFFFFF:FF,FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2341:12924:29356_1:N:0:TCTGCAAG+GCTGCACT
TTACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTC
ATTTACTCTGTACTTGATCTACGTCGTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTT
TTC

+

FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F,FFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:2343:24731:7028_1:N:0:TCTGCAAG+GCTGCACT
CAAACCTCTGTTTACGAGACCTTTTGTATAATATTTTCGTATATACACCAATCTCAACGAGTATAA
CGCGTTTTTCCGTCTTAACCTTAAACCCGAAGATATAAACCGCAAACGACTCGAAACCGAGACGCC
GTA

+

F,::,:F,,F:::,,,F,:F:,FF,F,F:,,FFF,,:,,,F,FFF,,,:F,:::,,,F:
,:,,,FFF,F,,F:,F,F,:,:F,,F,,,F,,F,F,,,FF,:F,:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1427:3748:5791_1:N:0:TCTGCAAG+GCTGCACT
AATGAGGTCAAAGCTCTATTTATTAAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCACTGA
TCTGCCGACTTTAGTCAAGGAAGTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCA
ATA

+

FFFFF,,F,F,,:FF,FFF,F:FF:FFFFFF:FFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFF
F:FFFFFF:FFFF:F:F:FFF,:FFFFFFFF:FFFF:F,FFFF,FF:FFFF,:FFF,F,FF,F:F
:FF

@A00721:190:HGJW7DSXY:4:2304:18394:4946_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGAACTTTATTTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAAT
AAGATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAA
AGA

+

FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2570:15817:35493_1:N:0:TCTGCAAG+GCTGCACT
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGA
CTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAAACGTTGAACACGTCGGTAGC
ATT

+

FF,FF,,FF:,FF:F,:FFFFFFFF:FFFFFFFFFFFF,:FFFFFF,,F,:F,FFFF,F:FF
FF:FF:FFFFFFFFFFFF,FFFF,:FF,FF,FFFF:F:FF,FFF,F,,FFF:,F,:F:,FF,F
FF:

@A00721:190:HGJW7DSXY:4:1511:27995:27336_1:N:0:TCTGCAAG+GCTGCACT
TTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTCC
TTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCTAAATTTGATAGCAATT
TA

+

FFFFFFFFFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:F::F::FFFFFFFF:F:
F:

@A00721:190:HGJW7DSXY:4:1344:25427:2691_2:N:0:TCTGCAAG+GCTGCACT
TTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACG
CGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC

+

FF:F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1616:15655:14450_1:N:0:TCTGCAAG+GCTGCACT
GCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTC
AAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGT
CCC

+

FFFFF:FFFFFFFFF,:FF::FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1142:3125:7999_2:N:0:TCTGCAAG+GCTGCACT
TCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAA
TACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAAC

+

FF
FF,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1154:25473:27539_1:N:0:TCTGCAAG+GCTGCACT
TCTTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATC
AGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATA
AGA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:1625:22318:33473_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTGCTCACTGA
GGA

+

FFFFFFFFFFFFFFFF:F
FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1408:30987:9533_2:N:0:TCTGCAAG+GCTGCACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGT

+

FFFFFFFFFFFF:F
FFFF:F
FFFF:F

@A00721:190:HGJW7DSXY:4:2642:1515:17989_1:N:0:TCTGCAAG+GCTGCACT
TAATATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCT
CTC

[illegible]

@A00721:190:HGJW7DSXY:4:2310:24433:16313_1:N:0:TCTGCAAG+GCTGCACT
TGAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAG
AAAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCA
GAT

+

FFFFFFFFFFFF:FFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1605:4616:4695_1:N:0:TCTGCAAG+GCTGCACT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTGA
TGA

+

FFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFF,
FFF

@A00721:190:HGJW7DSXY:4:2649:22227:19194_1:N:0:TCTGCAAG+GCTGCACT
TTCTAATAGAGGATCCTGATGACATTATTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTC
TCAGGAACTGTCTCCACTGATTGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGA
AT

+

FFFFFFFFFFFFFF:FF:FFFFFF:FFF:FF
:FFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1155:30355:3176_2:N:0:TCTGCAAG+GCTGCACT
CAGCTGATTCTTATTGCATGAACGTGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTA
TTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAG

+

FF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2542:16902:8187_2:N:0:TCTGCAAG+GCTGCACT
TACATCAACATCAACGACATCATTCTTTATGAGTGTGCTTCTTATCGAAGTCGCAGTTATCGCTGCCC
GGCCGACGTTTGTGCGGAACACTCAGAGGTTTACGGCAGAAAAATTC

+

:FF,F:FFFF,,F,,:F,F,:FFF,,F,,FF,FF,F:FFF,FFFFFFFF,F:F,,:,,FFF,:FF,,FFF
,F:F:F:F:FF,F,FF:FF,,:F:F:FF:FFFF:FFFFFFFF,FF,

@A00721:190:HGJW7DSXY:4:2206:14055:10050_1:N:0:TCTGCAAG+GCTGCACT
CTCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTA
GAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTCTGGAACC
ACC

+

FF
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2525:24840:21308_2:N:0:TCTGCAAG+GCTGCACT
TTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCT
CCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCAC

+

FFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2438:16134:4069_2:N:0:TCTGCAAG+GCTGCACT
TATTATGACCTTGGAAGTTTTCGGCTGTGGTTGTGCTGGGACGATTCCATTCTGTTTTCAAAGAC
TCCAATAACTGATCATTCTGATCATATGATTTTGACAATGGTTTCGA

+


```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F

```

+

+

+

+

+

+

+

+

@

+

@

+

@

+

@

+

@

+

@

+

[illegible]

@A00721:190:HGJW7DSXY:4:1651:1362:29309_1:N:0:TCTGCAAG+GCTGCACT
TTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGTATTCC
TTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATT
TA

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:1356:3369:12117_2:N:0:TCTGCAAG+GCTGCACT
TTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACG
CGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC

+

F:FF
FF
FFFF

@A00721:190:HGJW7DSXY:4:2122:2049:21950_1:N:0:TCTGCAAG+GCTGCACT
GCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTC
AAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGT
CCC

+

FFFFFF:F,FFFFFFFF,FFF,FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1258:11568:9940_2:N:0:TCTGCAAG+GCTGCACT
TCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAA
TACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1219:15989:17096_1:N:0:TCTGCAAG+GCTGCACT
TCTTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATC
AGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATA
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2152:10456:23234_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGA

+

FFFFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1622:10908:1971_2:N:0:TCTGCAAG+GCTGCACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGT

+

FF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FF

@A00721:190:HGJW7DSXY:4:2642:6189:1251_1:N:0:TCTGCAAG+GCTGCACT
TAACTATGGGGCGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATA
ATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCT
CTC

+
FF,FF,FFF:F,F,FFFFFF,F:FF,:FFFF,:F,FFFFFFFFFFFFFFFFFFFF:FFF:FFF:
FFF:FFFFFFFF,FFF:FF,FFFFFFFFFFFFFFFF:FFF:,FF:F,FFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2473:31024:21746_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTTTGGGGATTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACGTCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+
FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2529:14181:33254_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTT

+
FFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2557:22788:26960_1:N:0:TCTGCAAG+GCTGCACT
TAACCTTGACTCACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT
CTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGT
AGC

+
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1140:2049:9580_2:N:0:TCTGCAAG+GCTGCACT
CAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTGCGCGAGTTT
CCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2469:17119:28886_2:N:0:TCTGCAAG+GCTGCACT
ATAGATACGAGATACCTAGAGAAGGTCGCAGCGATCTTACTCGTTATCGGAGCTAAGAAGAAGACTTT
GGGTACACGTTATGCTCGCAAACCTTAACGTTAGTACCGGAGGTGATCT

+
FF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2531:20292:29622_2:N:0:TCTGCAAG+GCTGCACT
CGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTTCCCTTTTATAGTTTAG
TAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAC

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFF
FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFF,

@A00721:190:HGJW7DSXY:4:2240:4182:34882_1:N:0:TCTGCAAG+GCTGCACT
CTTGAAAACCAAGTTAAGAAGGAGGCTGATCAGGGAGTCTTGTACCTTCTGTCAAACCTTCGAGGTTT
AGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATG
TTG

+
FFFFFFFFFFF:FFFFFF,FFFFFF:FFFF:,FFFF:FFF:FFF:FFF:FFFFFF,FFFFFFFFFFFF
FF:FFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1351:2474:25441_1:N:0:TCTGCAAG+GCTGCACT
GAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGA

AAAATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCAG
ATT

+

FFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2515:19849:18458_1:N:0:TCTGCAAG+GCTGCACT
TACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCGTCGG
AGGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTA
TGA

+

FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2605:11089:35102_1:N:0:TCTGCAAG+GCTGCACT
GGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACGT
TCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTTGGGACTGAGACCTCTGAATTTTCAGGG
TGC

+

:FFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2321:9815:7279_2:N:0:TCTGCAAG+GCTGCACT
CAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTA
TTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2124:28709:27070_1:N:0:TCTGCAAG+GCTGCACT
TACTTCAACATCAACGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCCC
GGCCGACGTTTGTGCGGAACCTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAG
AG

+

FF:FFFFF:FFFFF:FFFFF,FFFFFFFFF:FFFFF,F:F::FFF:F,FF:FFFFFFFFFFF,FF:F:
F:FFFFFFFFFFFF,FF:FFF:FFFF:FFFFF:FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFF,F
FF

@A00721:190:HGJW7DSXY:4:2240:8088:13244_1:N:0:TCTGCAAG+GCTGCACT
CTCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTA
GAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTCTGGAACC
ACC

+

FF:,F:FFF,FFFFFF,F,FFFFF:FFF:,FFFFFFF,,:FFFFFFFFF:FF:,F:,FFFFFFFFF,
FFFFFF,FF,:FF:FFFFFF:F:F:FFFFFF:FFFF:FFFFFFFF:FFFFFFFF,FFFFFFFF,F
FF,

@A00721:190:HGJW7DSXY:4:2569:18792:1313_2:N:0:TCTGCAAG+GCTGCACT
TTGAGCCGCGTAGTCAGCGCGTTTAGCTGTATCATCAGTCAGAGTATACCCGATAGGGTACCGAGTCT
CCAAGAGAATATTTATTCTTATGAGGCTCGAACTTCAACGTTTTTCAC

+

FF
FFFFFFFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2503:28610:22357_2:N:0:TCTGCAAG+GCTGCACT
ATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTCTGCTGGGACGATTCCATTCTGTTTTCAAAGACT
CCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAA

+

[illegible]

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,,FFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1621:18846:11772_1:N:0:TCTGCAAG+GCTGCACT
GATTGGTTCGAACCCGTTGATGCTATGT CAGAAGAAGCTATTCAAGCTTGTCGTTTTAAAGACTGCAGA
GGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGAC
GTG
+
FFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1206:25446:3944_1:N:0:TCTGCAAG+GCTGCACT
TACC AAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCA
TTTACTCTGTACTTGATCTACGTCGTTTAACTGT CGGAACAACCTTTACTTAGAATGACTCTATCTTT
TCA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1415:13937:11130_2:N:0:TCTGCAAG+GCTGCACT
ACTCTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGC
GAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2334:9127:17331_1:N:0:TCTGCAAG+GCTGCACT
AATGAGGTCAAAGCTCTATTTATTAAACGA ACTATTATCCGATTCTTCGAGGGTATCACTACCACTGA
TCTGCCGACTTTAGTCAAGGA ACTTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCA
ATA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2572:32253:27759_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGAACTTTATTT CAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAAT
AAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAA
AGA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2602:13322:13197_1:N:0:TCTGCAAG+GCTGCACT
CAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACC GATTATAACTTGA
CTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGC
ATT
+
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2401:7726:21574_1:N:0:TCTGCAAG+GCTGCACT
TTTTTAATGGTATGGTATAATGTGTCTTACAAATAGAACCTTCACTCTCGGTAATGAGAGTGATTCC
TTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATT
TAT
```

[illegible]

@A00721:190:HGJW7DSXY:4:2537:28999:8688_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTTTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATC
TTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCC
GAA

+

FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2601:9326:17049_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
ATTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTT

+

FFFFFFFF,FF
FFFFFFFFFFFFFFFF:FFFFFF,FFFFFFF:,F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2636:7726:28494_1:N:0:TCTGCAAG+GCTGCACT
TAACCTTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT
CTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGT
AGC

+

FFFFF,FFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1304:9570:19664_2:N:0:TCTGCAAG+GCTGCACT
CAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTT
CCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC

+

FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2548:16857:16626_2:N:0:TCTGCAAG+GCTGCACT
ATCGGAGCTAAGAAGAAGACTTTGGGTACACGTTATGCTCGAACTTAACGTTAGTACCGGAGGTGA
TCTCTCTGCTTCTGCGTTACTGAGAGAAAAGATTGAGGACGCCTACGG

+

,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2550:12924:6402_1:N:0:TCTGCAAG+GCTGCACT
CTTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTT
AGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATG
TTG

+

FFFFFFFFFFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2252:16043:32064_1:N:0:TCTGCAAG+GCTGCACT
GAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGA
AAAATTTTGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCAG
ATT

+

:FFF,FFFF:F,FFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF,FFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1530:16758:3333_1:N:0:TCTGCAAG+GCTGCACT
ACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGA
GGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTAT
GAG

+
F:FFFFFFFF,FF,FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFF
@A00721:190:HGJW7DSXY:4:2641:32805:13495_1:N:0:TCTGCAAG+GCTGCACT
GGATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGT
TCTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGG
TGC
+
:FF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2442:23086:34741_2:N:0:TCTGCAAG+GCTGCACT
CAGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTA
TTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAG
+
FF:FF:FFFFF
FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1358:1316:19961_1:N:0:TCTGCAAG+GCTGCACT
TTCAACATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCGGC
CGACGTTTGTGCGAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGG
ACA
+
FFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2253:7184:8077_1:N:0:TCTGCAAG+GCTGCACT
CTCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTA
GAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGAACC
ACC
+
FFF,FF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2656:12689:10848_2:N:0:TCTGCAAG+GCTGCACT
ATTATGACCTTGAAAGTTTTCGGCTGTGGTTGTGCTGGGACGATTCCATTCTGTTTTCAAAGACT
CCAATAACTGATCATTCTGATCATATGATTTTGGACAATGGTTTCGAA
+
FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F
@A00721:190:HGJW7DSXY:4:2517:15456:1705_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGATGCGGTTTCATAAGATTAT
CAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACC
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1502:20853:16783_2:N:0:TCTGCAAG+GCTGCACT
CTTTGGGAATTTGAAGCTCAGGCTGAAGCACAACGTTTGACCGTGACGAAGTGGTGTCTTGATCT
ACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACTACCAC
+
FFFFF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF:F
FFF,FFF:FFFFFFFFFFFF:FFF::FFFF:FFFFFF:FF,FFFF:FFFF
@A00721:190:HGJW7DSXY:4:1307:21956:29841_2:N:0:TCTGCAAG+GCTGCACT
TTCGAATAGTGATAGCCACCCGCCTTACAGAGGGCAGCAGCATGACCATAATTGGTATTGACTTTCG

+

@A00721:190:HGJW7DSXY:4:2515:32904:18991_2:N:0:TCTGCAAG+GCTGCACT
AATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTC
AGTTTACAAGGACCTTAAGCGATGGATCGGGGTTAATTCTAAACATT

+

@A00721:190:HGJW7DSXY:4:2267:2175:20666_2:N:0:TCTGCAAG+GCTGCACT
GCAAAGATATTTTCATGAAACTACATAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAAC
CTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTT CAG

+

@A00721:190:HGJW7DSXY:4:2112:7383:12117_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAACGAAGGCGACCTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGC
GAAATACGATTTCGAACGTCAACGTTCCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAAT
ATG

+

@A00721:190:HGJW7DSXY:4:1339:24840:28604_1:N:0:TCTGCAAG+GCTGCACT
ACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCA
TGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTATAATCGCTGCAT
ATT

+

@A00721:190:HGJW7DSXY:4:2369:15347:22654_1:N:0:TCTGCAAG+GCTGCACT
TGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGATGACGTGAGAATAGGTGAAGGGATAGTTTTTAC
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAAC
TGA

+

@A00721:190:HGJW7DSXY:4:1665:24596:20917_1:N:0:TCTGCAAG+GCTGCACT
GATTGGTTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCTGTTTAAAGACTGCAGA
GGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGAC
GTG

+

@A00721:190:HGJW7DSXY:4:1517:16107:10379_1:N:0:TCTGCAAG+GCTGCACT
TACCAAATTCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCA
TTTACTCTGTACTTGATCTACGTCGTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTT
TCA

+

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:1512:3441:4413_2:N:0:TCTGCAAG+GCTGCACT
CAAAACCTATCGTTGTCGTACCTTACAAGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTT
CCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC

+
FFFFFFFF:FF:FFFFFFFF:FFFFFFFF
:FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1228:18014:7858_1:N:0:TCTGCAAG+GCTGCACT
CGCCTACGGTGACTTTATGGACAAGATGCAAGTTCTTGGGAAATACTTGTTCCTTTTTAGGTTTAG
TAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTC
CTT

+
FF:FFF:FFFF:FFFFFFFF,FFF:FFFF,FFF:FFFFFFFF, F:FFFFFFFF
FF:FFFF,FFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1266:26106:9846_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTCTGGAGTCTTGTACCTTCTGTCAAACCTTCGAGGTTT
AGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATG
TTG

+
FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1406:24035:14716_1:N:0:TCTGCAAG+GCTGCACT
AAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTAGATCTTCTTGATAATCTTAAAGAAAA
ATTTTCGAATAAACTAATGAGAGGTATAGGCTTAGTCAAGTCTGTACTTACATTCTTTACGCCAGATT

+
F,FFFF,FFFFFF::FFFFFF,FF,FFFFFFFF:FFF:FFFFFF:, :FFFF, F:FFF:F:FF, F
:FFFFFFFF:F, F::FFF:F:FFFF:FFFFFFFF,FFFFFFFF:FF:FFFFFFFF, F, FF

@A00721:190:HGJW7DSXY:4:1643:21197:8923_1:N:0:TCTGCAAG+GCTGCACT
ACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGA
GGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTAT
GAG

+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFF::FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1102:6479:36166_1:N:0:TCTGCAAG+GCTGCACT
GATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGT
CTCCACTGATTGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGTT
GCC

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1331:24216:13025_2:N:0:TCTGCAAG+GCTGCACT
AAGCTGATTCTTATAGCATGAACGTCGCTGAGGTCAAACATGTGGACGTTCTTTTCATCGACGAATTA
TTCATGATTCAAGCTGTTCAACACATATTAATACACATATACTTAAG

+
,F,, ,FFFF,:F,,,,,F:FF,FFF::FFFFFF,FF:F,FF,, ,FFFFFFFF:FF,FFFFFF:FF
,FFFFFFFF,F,, ,F:,F,F,F,, ,F,,,,,FFF:F,F,,FFF:FFF

@A00721:190:HGJW7DSXY:4:1424:25003:5368_1:N:0:TCTGCAAG+GCTGCACT
TTCAACATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGC

CGACGTTTGTGCGGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGG
ACA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2256:11731:23281_1:N:0:TCTGCAAG+GCTGCACT
CTCTTATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTA
GAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACC
ACC

+

FFF::FFFFFFFF:FFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFF,FFFF:F:FFFFFFFFFFFFFF:FFF
::FFFF,::,FFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFF:FFFFF,:FFFFFFFF:FFFF:F
F,F

@A00721:190:HGJW7DSXY:4:2430:27697:29418_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAAGTTTTTCGGCTGTGGTTGTCGCTGGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAAC
TGATCATTCTGATCATATGATTTTGACAATGGTTTGAAGCGAAATTTTGAGGGATAAACCAGCGT
ACT

+

FFFFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2543:10827:12007_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGATGCGGTTTCATAAGATTAT
CAGTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1324:13250:23750_2:N:0:TCTGCAAG+GCTGCACT
TTTGAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGG
ATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACGA

+

,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFF:FF:FFFF

@A00721:190:HGJW7DSXY:4:1656:7093:24706_2:N:0:TCTGCAAG+GCTGCACT
TTCGAATAGTGATAGCCACCCGCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTCG
TACCACCTTTCTACTGTCTGTCTCGCCTCTTCAATGAAGTTTAAAT

+

FF:FFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1308:16622:35853_1:N:0:TCTGCAAG+GCTGCACT
TTTATGATATGATGCTATTACTCATGATGTTACGGTCAGGAGGATTCTCAGTTTACAAGGACCTT
AAGCGATTGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAAAACCATTGTACGA
TGT

+

FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2274:18059:35055_2:N:0:TCTGCAAG+GCTGCACT
GCAAAGATATTTTCATGAAACTACATAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAAC
CTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAG

+

FFFF::FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF,FFFFFFF
FFFF:FFFFFFFFFFFF,FFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2610:13657:14967_1:N:0:TCTGCAAG+GCTGCACT
ATTTTAGAACTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAAT
AAGATGTATGATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAA
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1171:19343:18082_1:N:0:TCTGCAAG+GCTGCACT
AAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGAC
TGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCA
TTG

+

FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2625:14000:17190_2:N:0:TCTGCAAG+GCTGCACT
TCCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCA
ATTTATGTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATA

+

:FF
FF

@A00721:190:HGJW7DSXY:4:2318:10908:12587_2:N:0:TCTGCAAG+GCTGCACT
TTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACG
CGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC

+

FFFFFF:FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2351:6388:36041_1:N:0:TCTGCAAG+GCTGCACT
GCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTC
AAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCAACCGAGGTCGCTCGTAACATTGACGGCAGT
CCC

+

FFFFFFFFFFFFFFFFFFFF,FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1331:4309:30561_2:N:0:TCTGCAAG+GCTGCACT
TCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAA
TACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAAC

+

FFFFFFF:FF
FFF:FF

@A00721:190:HGJW7DSXY:4:2534:5791:13870_1:N:0:TCTGCAAG+GCTGCACT
TCTTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATC
AGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATA
AGA

+

FFFF:FFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFF
FFF

@A00721:190:HGJW7DSXY:4:2225:5348:22811_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCAATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTGCTCACTGA
GGA

+
FFFFFFFF:FF
:FFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2278:9860:8923_2:N:0:TCTGCAAG+GCTGCACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1601:16667:16016_1:N:0:TCTGCAAG+GCTGCACT
CGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTC
ACCCTTAAGCACCAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTT
TGC
+
FF:FFFFFFFFF::FFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2155:17969:24972_2:N:0:TCTGCAAG+GCTGCACT
CGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGG
ACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGG
+
FFFFF,FF:FFFFFFFFF:FFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1217:29243:28682_1:N:0:TCTGCAAG+GCTGCACT
GAAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGG
AGTATTTGAAGCAGGGGTTAACACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGAT
AA
+
FFFF:FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFF,FFFF,FFFFFFFF,FF,:FFF:FFF:FFFF,
F,FFFFFFFF,F:FFFFFFFF,:F,FFFFFFFF,FFFFFFFF,FFFFFFFF,FFFFFFFF:FFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2664:5728:12070_1:N:0:TCTGCAAG+GCTGCACT
TAACCTTTGACTCAACTACTCCGATCAGATCCGATGGTTTGATTGGTATGGACTACTCGACTTTTGAT
CTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGT
AGC
+
FF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1577:20699:22467_2:N:0:TCTGCAAG+GCTGCACT
CAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTT
CCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1335:10700:8218_1:N:0:TCTGCAAG+GCTGCACT
CGCCTACGGTGACTTTATGGACAAGATGCAAGTCTTGGGAAATACTTGTTTCCCTTTTAGGTTTAG
TAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTC
CTT
+
FFFFF:FFFFFFFFFFFFFFFF:::FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2303:9281:20447_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTT
AGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATG
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2350:29369:23171_1:N:0:TCTGCAAG+GCTGCACT
ACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGA
GGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTAT
GAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1239:2474:34240_1:N:0:TCTGCAAG+GCTGCACT
GATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGT
CTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGT
GCC

+

FFFFFF:FFFF,FFFFFFFFFFFF,F:FF,FFFFFFFF,FFFF,F,FFFFFF,FFF:FFF:,FFF
,F,FF:FFFFFF,FFFFF:FFFFFFFF,FFF,FFFFFFFF,F:FFFF,FF:FFFFFFFFFFFF,FF
F:F

@A00721:190:HGJW7DSXY:4:2178:24994:11083_2:N:0:TCTGCAAG+GCTGCACT
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTAT
TCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2312:32344:1924_1:N:0:TCTGCAAG+GCTGCACT
TTCAACATCAACGACATCATTCTTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCCGGC
CGACGTTTGTGCGGAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGG
ACA

+

FFFFFFF:F,FF
FF:FF:FF:FFFF,FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2248:20057:20885_2:N:0:TCTGCAAG+GCTGCACT
TATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGG
ACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGA

+

FF
FFFFFFF::FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2507:6198:6057_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAAGTTTTCGGCTGTGGTTGTCGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAAC
TGATCATTCTGATCATATGATTTTGACAATGGTTTGAAGCGAAATTTTGAGGGATAAACCAGCGT
ACT

+

FF
FF,FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2615:17372:21371_2:N:0:TCTGCAAG+GCTGCACT
GTGGAGGGCGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGTGCGGTGTCATAAGATTAT

+

@A00721:190:HGJW7DSXY:4:1332:5204:21277_2:N:0:TCTGCAAG+GCTGCACT
TTTGAAGCTCAGGGTGAAGCACACGTTTGACCGTGACGAAGTGTGGTGTTCTTGATCTACGTTACGG
ATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACGA

+

@A00721:190:HGJW7DSXY:4:2553:23149:28494_1:N:0:TCTGCAAG+GCTGCACT
GCCTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTTGGTACCACCTTTTCTACTGTCTG
TCTCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTG
GTT

+

@A00721:190:HGJW7DSXY:4:1612:23366:24142_1:N:0:TCTGCAAG+GCTGCACT
TTTATGGATATGATGCTATTACTCAGGATGGTTACGGTCAGGGAGGATTCTCAGTGTACAAGGACCTT
AAGCGATTGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTAACCATTTGTACGA
TGT

+

@A00721:190:HGJW7DSXY:4:2349:17616:10958_2:N:0:TCTGCAAG+GCTGCACT
GCAAAGATATTTTCATGAAACTACATAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAAC
CTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAG

+

@A00721:190:HGJW7DSXY:4:2304:18982:14450_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAACGAAGGCGACCTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGC
GAAATACGATTTCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAAT
ATG

+

@A00721:190:HGJW7DSXY:4:2409:1895:13698_1:N:0:TCTGCAAG+GCTGCACT
ACGATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCA
TGGTGTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCAT
ATT

+

@A00721:190:HGJW7DSXY:4:2562:6994:14857_1:N:0:TCTGCAAG+GCTGCACT
TGA

+

[illegible]

CGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2353:5177:30812_1:N:0:TCTGCAAG+GCTGCACT
GCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTC
AAAGGAAACGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGT
CCC

+

FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1452:5141:5321_2:N:0:TCTGCAAG+GCTGCACT
TCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAA
TACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAAC

+

FF:FFFFF
FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2633:16251:11506_1:N:0:TCTGCAAG+GCTGCACT
TCTTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATC
AGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCCCATCTGGGGTTGGAATA
AGA

+

FF,FFF,FFF::F,F,F:,F:F:FF,FFFF,FFF,F,,::FFFF:FFFFF:FFF,FFFFF:F::
F::FFFF,FF,FF:FF,F:FF,F,FFFFFF,F::FFFF,F:FF::,::FF:FFFF,:FFFF,
,F,

@A00721:190:HGJW7DSXY:4:2258:32334:22232_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTGCTCACTGA
GGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
,FF
FFF

@A00721:190:HGJW7DSXY:4:2302:6831:28479_2:N:0:TCTGCAAG+GCTGCACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGT

+

,FFF,FF:FFFFFFFFFFFFFFFF:FFFF:FFFFF:FFF,FFFFFFFFFFFF,FF:FFFFFFFFFFFF
:FFFFFFFF::FFFFF,:F,FFF:FFFFFFFF:FFFFF:FF:FFFF

@A00721:190:HGJW7DSXY:4:2268:3387:20478_1:N:0:TCTGCAAG+GCTGCACT
CGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTC
ACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTT
TGC

+

FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2371:5394:18349_2:N:0:TCTGCAAG+GCTGCACT
CGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGG
ACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGG

+

FF
FFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:1471:17110:25676_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAAGTTGATGAAGAAGGA
TTATTTGAAGCAGGGGTACCACCTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTGTAGATA
ATC

+

FFFFFFFFFFFFFFFFFFFF,FF,FF
FFFFFFFF:FFF:FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1134:30951:26443_1:N:0:TCTGCAAG+GCTGCACT
TGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAG
TTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCT
GAG

+

FFFFFFF:FF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2216:16233:18208_2:N:0:TCTGCAAG+GCTGCACT
CAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTGCGCAGTTT
CCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC

+

FFFF:FF:FFFFFFFFFFFFFFF:FF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1553:1841:2581_1:N:0:TCTGCAAG+GCTGCACT
CGCCTACGGTGACTTTATGGACAAGATGCAAGTCTTGGAATACTTGTTTCCCTTTTGGTTTGTAG
TAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAACTACGGTC
CTT

+

FFFFFFFFFFFFFFFFFFFF::FF:FFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:F:FFFF
FFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFF:FFFFF:FFF,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2509:24415:2378_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTTACGACGTGTGCTCTTCCGATCTCATGGAGTCTTGTACCTTCTGTCAAACCTTCGAGGTT
AGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATG
TTG

+

FFFFFFFFF:FFFFFFFFF:FFFFFFFFF,FFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2447:29875:21543_1:N:0:TCTGCAAG+GCTGCACT
ACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCGTCGGA
GGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTAT
GAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1264:27760:4225_1:N:0:TCTGCAAG+GCTGCACT
GATCCTGATGACATTATTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGT
CTCCACTGATTGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGT
GCC

+

FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFF:
FFF

@A00721:190:HGJW7DSXY:4:2245:12319:23829_2:N:0:TCTGCAAG+GCTGCACT
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTAT
TCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG

+

FFFFFFFFFFFFFFFF:FFFFFF:FF:FFFFFFFF
FF:FFFFF

@A00721:190:HGJW7DSXY:4:2547:18358:22138_1:N:0:TCTGCAAG+GCTGCACT
TTCAACATCAACGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGC
CGACGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGG
ACA

+

FFFFFFFFFFFF:FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2559:24695:5556_2:N:0:TCTGCAAG+GCTGCACT
TATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGG
ACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGA

+

FF
FF:FFF

@A00721:190:HGJW7DSXY:4:2640:30734:13479_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAAGTTTTCGGCTGTGGTTGTCTGCTGGGACGATTCCATTCTGTTTTCAAAGACTCCAATAAC
TGATCATTCTGATCATATGATTTTGGACAATGGTTTGAAGCGAAATTTTGAAGGATAAACCAGCGT
ACT

+

FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1119:32497:29434_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FFFFFFFFF:,F:FFFF,FF:FFFFF:FFFF:FF,FFFFFFFFFFFFFFFFFFFF:FF:FFFFF:FFFF:FF
FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2115:16071:9659_2:N:0:TCTGCAAG+GCTGCACT
TTTGAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGG
ATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACGA

+

FF
FF:FF

@A00721:190:HGJW7DSXY:4:1359:13169:2221_1:N:0:TCTGCAAG+GCTGCACT
CTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTC
TCGCCTCTTGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGT
TTT

+

FFFFFFFFF:FF
FF,FFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2215:10294:25833_1:N:0:TCTGCAAG+GCTGCACT
TTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTT
AAGCGATTGATCGGGGTAAATTCTAAAACATTACCCGAAAGACGTGCTATATTAACCATTTGTACGA
TGT

+
FFFFFFFFFFFFFFFFFFFF:FFF::FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2424:21341:17660_2:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGA
+
FF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FF:FFFFFFFF:F:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2327:7943:7952_1:N:0:TCTGCAAG+GCTGCACT
CTTGAACGAAGGCGACCTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGC
GAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAAT
ATG
+
F:FF
FFF,FF
FFF
@A00721:190:HGJW7DSXY:4:2155:21603:25473_1:N:0:TCTGCAAG+GCTGCACT
ATACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGG
TGTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATT
ACG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2628:17517:12915_1:N:0:TCTGCAAG+GCTGCACT
TGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGATGACGTGAGAATAGGTGAAGGGATAGTTTTTAC
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAAC
TGA
+
FF
FF,FFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2610:2392:17127_1:N:0:TCTGCAAG+GCTGCACT
GATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGA
GGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGAC
GTG
+
FFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1118:22245:31000_1:N:0:TCTGCAAG+GCTGCACT
ACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCAT
TACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTT
CAG
+
FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFF:FFF::FFFF:,FF,,:FF,FF,:FF
:FF
@A00721:190:HGJW7DSXY:4:1173:28330:12352_1:N:0:TCTGCAAG+GCTGCACT
ACTATTCGTTACGAGACCTGATGGTTGAATTTTTTCGTCTCTACACCAATATAACCGTGGATAAAGC
GTGTTTTCCGTCCTGAACTTAATACACGAAGATATCATCCGAAAACGACTCGAAACCGAGACGCCGTA
+

```

:,:,FF,,FFF,,,FF,,,,FF,:,,F,F,,,FF:,,:,,,FF:FF:,,:,:,F,,F,F,,,F:,F,
,,:FFFFF,F,F,F,F,,,F,,F,:,,F,,,,:,,F,F,,,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1275:11198:18505_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAA
TAA

```

[illegible]

+

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF,F

```

+

```
FFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFF:
```

+

```

FFFFF:FFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFF:FFF:FFF:FF::F,:F,FFFFFFFFFFFF
FFFFFFFFF:FFF:FFFFFFFFFFFF,FF:FFF::,:FFFFFF:,,:FFF

```

+

```
F:FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
```

+

[illegible] $+$ [illegible]

T

[illegible]

@A00721:190:HGJW7DSXY:4:2667:28989:11929_1:N:0:TCTGCAAG+GCTGCACT
TCTTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATC
AGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGAATA
AGA

+

:FFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2277:14561:35728_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCATC
TTTGAGACCAAGACTCTCGACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTGCTCACTGA
GGA

+

FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2312:18367:7153_2:N:0:TCTGCAAG+GCTGCACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGT

+

F:FF
FF

@A00721:190:HGJW7DSXY:4:2439:11812:4319_1:N:0:TCTGCAAG+GCTGCACT
CGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTC
ACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTT
TGC

+

FFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFF:F:F
FFF

@A00721:190:HGJW7DSXY:4:2472:12156:2503_2:N:0:TCTGCAAG+GCTGCACT
CGTCATTGGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGG
ACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGG

+

FFFFF:FF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1545:19488:5274_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGAGAGTCCAGAAGTTGATGAAGAAGGA
TTATTTGAAGCAGGGGTACCCTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGAGTTTTAGATA
ATC

+

FFFFFFFFFFFFFFFFFFFF:F,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1436:7817:7232_1:N:0:TCTGCAAG+GCTGCACT
TGACTCAACTACTCCGATCAGATCCGGATGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAG
TTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCT
GAG

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2221:29559:13510_2:N:0:TCTGCAAG+GCTGCACT
CAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTT

CCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2114:26323:36151_1:N:0:TCTGCAAG+GCTGCACT
CGCCTACGGTGACTTTATGGACAAGATGCTAGTTCTTGGGAAATACTTGTTCCTTTTATAGGTTTAG
TAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTC
CTT

+

FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2455:7690:14497_1:N:0:TCTGCAAG+GCTGCACT
TTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTCA
GCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGT
TG

+

FF:FFFFF:FFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF:F:FFFFFFFFFFFFFFF
FF
FF

@A00721:190:HGJW7DSXY:4:2469:8739:8046_1:N:0:TCTGCAAG+GCTGCACT
ACCTTTTGGAGGTCCAGGAACCTTTGCTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGA
GGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTAT
GAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1309:11442:21057_1:N:0:TCTGCAAG+GCTGCACT
GATCCTGATGACATTATTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGT
CTCCACTGATTGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGT
GCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2274:12906:11945_2:N:0:TCTGCAAG+GCTGCACT
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTAT
TCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2642:1570:1047_1:N:0:TCTGCAAG+GCTGCACT
TTCAACATCAACGACATCATCTTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGC
CGACGTTTGTGCGGAACCTCTCAGAGGTTTACGGCAGAAAAATTTCTCTGCTTGTAAATTCGAGAGAGG
ACA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2604:16685:3051_2:N:0:TCTGCAAG+GCTGCACT
TATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGG
ACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGA

+

```

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

+

@A00721:190:HGJW7DSXY:4:2249:9498:33035_2:N:0:TCTGCAAG+GCTGCACT
TTTGAAGCTCAGGTGAAGCACACGTTTGACCGTGACGAAGTGTGGTGTTCTTGATCTACGTTACGG
ATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACGA

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:F

```

+

@A00721:190:HGJW7DSXY:4:2230:21052:3004_1:N:0:TCTGCAAG+GCTGCACT
TTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTT
AAGCGATTGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTAAACCATTTGTACGA
TGT

[illegible]

+

@A00721:190:HGJW7DSXY:4:2460:15763:17581_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAACGAAGGCGACCTTCCGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGC
GAAATACGATTTCGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAAT
ATG

[illegible]

+

@A00721:190:HGJW7DSXY:4:1311:26404:10457_2:N:0:TCTGCAAG+GCTGCACT
CCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCA
TTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAG

@A00721:190:HGJW7DSXY:4:2556:9787:13526_2:N:0:TCTGCAAG+GCTGCACT
TTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACG
CGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC

@A00721:190:HGJW7DSXY:4:2507:29161:8093_1:N:0:TCTGCAAG+GCTGCACT
GCAGAATAACCTTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTC
AAAGGAACCGGGCTGTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGT
CCC

@A00721:190:HGJW7DSXY:4:1573:22092:28260_2:N:0:TCTGCAAG+GCTGCACT
TCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTTCGCCATTTCAAGAGTGGTCAA
TACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAAC

@A00721:190:HGJW7DSXY:4:1217:10348:29121_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAAG
AAA

@A00721:190:HGJW7DSXY:4:2332:21820:27070_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGA

@A00721:190:HGJW7DSXY:4:2354:26467:21934_2:N:0:TCTGCAAG+GCTGCACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGT

@A00721:190:HGJW7DSXY:4:2472:16821:34131_1:N:0:TCTGCAAG+GCTGCACT
CGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTC
ACCCTTAAGCACCAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTT
TGC

@A00721:190:HGJW7DSXY:4:2560:28546:16861_2:N:0:TCTGCAAG+GCTGCACT
CGTCATTGGGATTTTCGATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGG
ACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGAGTTGGAGG

@A00721:190:HGJW7DSXY:4:1645:28890:26443_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGA
TTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATA
ATC

@A00721:190:HGJW7DSXY:4:1469:16043:25708_1:N:0:TCTGCAAG+GCTGCACT
TGACTCAACTACTCCGATCAGATCCGGATGTTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAG
TTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCT
GAG

@A00721:190:HGJW7DSXY:4:2363:14850:5384_2:N:0:TCTGCAAG+GCTGCACT
 CAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTT
 CCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC

@A00721:190:HGJW7DSXY:4:2620:31629:18881_1:N:0:TCTGCAAG+GCTGCACT
CGCCTACGGTGACTTTATGGACAAGATGCAAGTTCCTGGGAAATACTTGTTTCCCTTTTTAGGTTTAG
TAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAATCTTGAAACTACGGTC
CTT

@A00721:190:HGJW7DSXY:4:2558:14380:16125_1:N:0:TCTGCAAG+GCTGCACT
TTGAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTCA
GCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGT
TG

@A00721:190:HGJW7DSXY:4:2625:16984:12555_1:N:0:TCTGCAAG+GCTGCACT
ACCTTTTGGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGA
GGATGACAGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTCCACGATGAAAGCTCTTTAT
GAG

[illegible]

@A00721:190:HGJW7DSXY:4:1374:29993:21245_1:N:0:TCTGCAAG+GCTGCACT
GATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGT
CTCCACTGATTTCGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGT
GCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2314:4698:5494_2:N:0:TCTGCAAG+GCTGCACT
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTAT
TCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG

+

FFFFF,FFFFF:FF:
F:FFFFFFFFF:FFFFFFFFFFFFFFFFF,FFF,:FF,FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1230:17029:17581_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTACGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCC
GACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGA
CAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1210:6813:30420_2:N:0:TCTGCAAG+GCTGCACT
ATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGA
CCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1152:20555:6214_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2358:2917:19006_2:N:0:TCTGCAAG+GCTGCACT
TTTGAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGATCTACGTTACGG
ATATACTCTCCTTGAGTTCACCTCGTAAGGACACTACCACTTATTACGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2269:27480:23688_1:N:0:TCTGCAAG+GCTGCACT
CTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTC
TCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGT
TTT

+

FFF:F:FFF:FF:
FFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFFF,FFFFFFF::,FFFF,F:FF:FFFFFF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2409:26386:5259_1:N:0:TCTGCAAG+GCTGCACT
TTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTT
AAGCGATTGATCGGGGTAAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAAAACATTGTACGA
TGT

+
FFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1105:10511:30373_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACACTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG
+
FF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2643:8739:29121_1:N:0:TCTGCAAG+GCTGCACT
CTTGGAACGAAGGCGACCTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGC
GAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAAT
ATG
+
FF:FFFFFFFFFFFFFFFF
FFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1129:11605:32393_1:N:0:TCTGCAAG+GCTGCACT
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGT
GTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTA
CGG
+
FF:FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1328:6171:12430_2:N:0:TCTGCAAG+GCTGCACT
ACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGAC
CAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTACCCAAAATGAA
+
FF:FFFFFFFFFFFF:FFFFFFFFFFFF
FF:FF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2665:18539:18098_1:N:0:TCTGCAAG+GCTGCACT
GATTGGTTCGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTTAAAGACTGCAGA
GGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGAC
GTG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1208:20103:15828_1:N:0:TCTGCAAG+GCTGCACT
ACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACAATAACGATCTCTCGGTCAT
TACTCTGTACTTGATCTACGTCGAGTAAATTTCGGAACAACTTTAAAAAGAAAGAAAATATCATTT
AAG
+
FF,FFF,:F:F,,FF,FFFFFFFFF:F:F::FFFF::FF,FF,,F,,,FFF,FFF:FF:, :FF,:
FFFF,FF:,F::F:F:FFFF,FFF,,,FF,,,::,F,F:FF,F,FF:,,,F:F:, :F,,,F,F,FF,
,F:
@A00721:190:HGJW7DSXY:4:2475:19633:29262_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAG
TTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTC
+

```
FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

@A00721:190:HGJW7DSXY:4:2412:2691:25692_2:N:0:TCTGCAAG+GCTGCACT
CTTTATTT CAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTAT
GATGATAATCTACTATTTTTTAAATAGTGATATTCAGCGTATACTTGAA

```
FFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF,FFFFFFFFFFFFFFF
```

+

@A00721:190:HGJW7DSXY:4:2513:10357:28635_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCT
TCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACA

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFF

```

+

@A00721:190:HGJW7DSXY:4:2647:15130:14638_2:N:0:TCTGCAAG+GCTGCACT
TTTAGTATTATTTACTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACG
CGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAAC

[illegible]

+

@A00721:190:HGJW7DSXY:4:1606:8838:3991_2:N:0:TCTGCAAG+GCTGCACT
TCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAA
TACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAAC

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFF:F::FF::FFF:FFFFFFFF
```

@A00721:190:HGJW7DSXY:4:1252:30092:7764_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGAATAAG
AAA

+

FF
FF
FF:

@A00721:190:HGJW7DSXY:4:2339:18340:24111_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTGCTCACTGA
GGA

+

FFFFFFFFFFFFFF,FFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2509:22733:36667_2:N:0:TCTGCAAG+GCTGCACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2525:2374:11866_1:N:0:TCTGCAAG+GCTGCACT
CGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTC
ACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTT
TGC

+

FFF:FFFFFFFF,FF,FFFFFFFF:FFFFFF
FFFFFFFFFFFFFFFF:FF
:FF

@A00721:190:HGJW7DSXY:4:1244:7988:10848_2:N:0:TCTGCAAG+GCTGCACT
ATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGA
TTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAA

+

F:FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2227:17038:17096_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGAGAGTCCAGAAGTTGATGAAGAAGGA
TGATTTGAAGCAGGGGTACCCTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGAGTTTTAGATA
ATC

+

FFFFFF:FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FF,: ,F
F,F,: ,F,FF
FFF

@A00721:190:HGJW7DSXY:4:1547:2437:3208_1:N:0:TCTGCAAG+GCTGCACT
TGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAG
TTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCT
GAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2363:17264:5118_2:N:0:TCTGCAAG+GCTGCACT
CAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTT

+

@A00721:190:HGJW7DSXY:4:2573:18602:8844_1:N:0:TCTGCAAG+GCTGCACT
TTGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTCA
GCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGT
TG

+

@A00721:190:HGJW7DSXY:4:2175:21793:10927_2:N:0:TCTGCAAG+GCTGCACT
GGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGAC
AGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGAT

+

@A00721:190:HGJW7DSXY:4:1462:5122:35697_1:N:0:TCTGCAAG+GCTGCACT
GATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGT
CTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGT
GCC

+

@A00721:190:HGJW7DSXY:4:2314:5502:6449_2:N:0:TCTGCAAG+GCTGCACT
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTAT
TCATGATTCACGCTGGTCAGACCCCTTTTCTTACACATCTACTTAAGG

+

@A00721:190:HGJW7DSXY:4:1230:18457:16297_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCC
GACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGA
CAC

+

@A00721:190:HGJW7DSXY:4:1272:3269:25410_2:N:0:TCTGCAAG+GCTGCACT
ATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGA
CCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAG

+

@A00721:190:HGJW7DSXY:4:1170:17490:12994_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

[illegible]

$+$

@

+

@

+

©

+

@

+

@

+

6

+

©

@A00721:190:HGJW7DSXY:4:1454:25961:24690_1:N:0:TCTGCAAG+GCTGCACT
TGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTTTCAAGCTTGTCGTTAAAGACTGCAGAG

+

@A00721:190:HGJW7DSXY:4:2561:28185:18552_1:N:0:TCTGCAAG+GCTGCACT
TTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGG
GCTGTTGCCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTC
TGT

+

@A00721:190:HGJW7DSXY:4:2105:11053:11741_2:N:0:TCTGCAAG+GCTGCACT
TCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCCGCCATTTCAAGAGTGGTCAA
TACGTCGTGGGAGGTAAGCCTTCCCCTCCGCTGGCACGAAGAAC

+

@A00721:190:HGJW7DSXY:4:1339:29803:8766_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAG
AAA

+

@A00721:190:HGJW7DSXY:4:2449:20021:23422_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGA

+

@A00721:190:HGJW7DSXY:4:2509:23357:36683_2:N:0:TCTGCAAG+GCTGCACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGT

+

@A00721:190:HGJW7DSXY:4:2526:26693:13432_1:N:0:TCTGCAAG+GCTGCACT
CGAAGATCCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTC
ACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTT
TGC

+

@A00721:190:HGJW7DSXY:4:1605:3450:28698_2:N:0:TCTGCAAG+GCTGCACT
ATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGA
TTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAA

+

@A00721:190:HGJW7DSXY:4:2264:16893:30436_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAAGTTGATGAAGAAGGA
TTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTGTAGATA
ATC

+

FFF::FFFFFFFFFFFFFFFF,FFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2223:11315:33019_1:N:0:TCTGCAAG+GCTGCACT
TGACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAG
TTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCT
GAG

+

FF
:FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2408:17246:6621_2:N:0:TCTGCAAG+GCTGCACT
CAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTGCGCAGTTT
CCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC

+

FF
FF:FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1575:8730:27821_1:N:0:TCTGCAAG+GCTGCACT
TGGAGTTCAGACGTGTGCTCTTCCGATCTCCTGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGGTCA
GCTACGAGAGGTGATCCCGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGT
TG

+

:FF,:FFF:F,FFFFFFFFF,FFFF::FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFF:FFFF:FFFFFFFFFFFFF:FFFFFF:FFF:F
FF

@A00721:190:HGJW7DSXY:4:2677:3947:19225_2:N:0:TCTGCAAG+GCTGCACT
GGAGGTCCAGGAACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGGAGGATGAC
AGGTGGGAGACCGCTCAATAACACTCTATTGAATCCCTTTTCCACGAT

+

FF
FFF

@A00721:190:HGJW7DSXY:4:1514:31684:3944_1:N:0:TCTGCAAG+GCTGCACT
GATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGT
CTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGT
GCC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2409:24279:10160_2:N:0:TCTGCAAG+GCTGCACT
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTAT
TCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2308:3775:28980_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTACGACATCATTCTTGATGAGTGTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCC
GACGTTTGTGCGGAAGTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGAATTCGAGAGAGGA
CAC

FF
FFF

@A00721:190:HGJW7DSXY:4:1371:2193:22670_1:N:0:TCTGCAAG+GCTGCACT
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGT
GTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTA
CGG

+
FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1445:15456:16454_2:N:0:TCTGCAAG+GCTGCACT
ACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGAC
CAACATTGAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAA

+
FFFFFFFFF:FFFFFFF,FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFF:FFFF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2440:4309:10958_1:N:0:TCTGCAAG+GCTGCACT
TGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTTCAAGCTTGTCGTTAAAGACTGCAGAG
GCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACG
TG

+
:FF
FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1263:26919:25817_1:N:0:TCTGCAAG+GCTGCACT
ACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCAT
TACTCTGTACTTGATCTACGTCGTTTAACTGTGCGGAACAACCTTTACTTAGAATGACTCTATCTTTT
CAG

+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
,F:

@A00721:190:HGJW7DSXY:4:2652:6470:24690_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAG
TTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTC

+
FFFFFFFFF:FFFFFFFFFFFF:FFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:1378:1642:12759_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACACTATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAA
TAA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2575:32117:19257_2:N:0:TCTGCAAG+GCTGCACT
CTTTATTTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTAT
GATGATAATCTACTATTTTAAATAGTGATATTCAGCGTATACTTGAA

+
FFFFFFFFFFFFF:FFFF:FF:FFF,,FFFF::FFFF
F:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:,

@A00721:190:HGJW7DSXY:4:2110:24894:8218_2:N:0:TCTGCAAG+GCTGCACT
AAGTTGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FF

+

FF

+

```
FFFFFFFFFFFFFF:FF,FFFFFF:FFFFFFFFFFFFFF:FFFF:FFFFFFFF
```

 $+$

FFF

+

FFF

+

FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

+

FF,

+

FFF

@A00721:190:HGJW7DSXY:4:2142:14371:35086_2:N:0:TCTGCAAG+GCTGCACT
GGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTT
CGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTG

+

FF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFF::
FFFFF:,FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFF:,,F

@A00721:190:HGJW7DSXY:4:2560:5466:28056_1:N:0:TCTGCAAG+GCTGCACT
CGAAGATCCCCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTC
ACCCTTAAGCACCAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTT
TGC

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1624:19750:27336_2:N:0:TCTGCAAG+GCTGCACT
ATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGA
TTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAA

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2307:17671:15060_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGA
TTATTTGAAGCAGGGGTACCCTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTGTAGATA
ATC

+

:FFFFFF:FFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2228:2663:3035_1:N:0:TCTGCAAG+GCTGCACT
TGACTCAACTACTCCGATCAGATCCGGATGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAG
TTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCT
GAG

+

FFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2534:7301:7122_2:N:0:TCTGCAAG+GCTGCACT
CAAAACCTATCGTTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTT
CCAGAATTGCGGTTGAAGTTCACCCATTCTATCTTGAATGCTCACGCC

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1462:6515:34507_2:N:0:TCTGCAAG+GCTGCACT
TGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAG
CTACGAGAGGTGATCCCGATGTGGATTGAAGGCTGGCTCTAAGGGAG

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1177:26413:29450_1:N:0:TCTGCAAG+GCTGCACT
ACCTTTACTCCTAGTGTCTTTCTAGAGTCCAAGGACGTTTCCGTGCGAGGATGACAGGTGGGAGACC
GCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATT
TAC

+

FFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF

FF
FFF

@A00721:190:HGJW7DSXY:4:1526:5448:36573_1:N:0:TCTGCAAG+GCTGCACT
GATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGT
CTCCACTGATTGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGT
GCC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2422:5068:6668_2:N:0:TCTGCAAG+GCTGCACT
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTAT
TCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2556:10710:9925_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATCTACGACATCATTCTTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGGCC
GACGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGA
CAC

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1506:10917:10066_2:N:0:TCTGCAAG+GCTGCACT
ATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGA
CCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAG

+

FFF:FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFF:F:F:FFF

@A00721:190:HGJW7DSXY:4:1170:17806:12727_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2639:27272:33285_2:N:0:TCTGCAAG+GCTGCACT
TTTGAAGCTCAGGGTGAAGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGTATCTACGTTACGG
ATATACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTACGA

+

FFFFFFFFFFFFFFFFFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:2421:30599:23703_1:N:0:TCTGCAAG+GCTGCACT
CTTACAGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTC
TCGCTCTTGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGT
TTT

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFF:FFFF:FF:FFFF:FFFFFFFFFFFFFFFF
F:FFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:,FFFF:FFFF:,F:FFF:FFFF:FFFFF,
:FF

@A00721:190:HGJW7DSXY:4:1142:6216:10222_1:N:0:TCTGCAAG+GCTGCACT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA

AGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAACCATTGTACGAT
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1155:7166:29309_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2541:26756:13103_1:N:0:TCTGCAAG+GCTGCACT
TTGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAG
CGAAATACGATTTTGAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAA
TAT

+

F:FFF,FFFFFFFFFFFF:,FF:F:FFFFF:FF:FFFFFFFF:F,FFFFFFFFFFFF:FF,F:FF:FFF
:FF
FFF

@A00721:190:HGJW7DSXY:4:1621:25012:3756_1:N:0:TCTGCAAG+GCTGCACT
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGT
GTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTA
CGG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1461:16495:28714_2:N:0:TCTGCAAG+GCTGCACT
ACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGAC
CAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAA

+

FFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1524:20989:12195_2:N:0:TCTGCAAG+GCTGCACT
CGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCA
AACAAGCCCAGACTCAAGGAGTCCAATCAAAGTTTTGAATTTAGCTC

+

FFF:
F,FFF,FF,FFF

@A00721:190:HGJW7DSXY:4:1417:3983:19382_1:N:0:TCTGCAAG+GCTGCACT
ACCAAATCTTGGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCAT
TACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTT
CAG

+

FFFFF:FF
FFF:
:FF

@A00721:190:HGJW7DSXY:4:2675:2537:22232_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAG
TTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTC

+

FF
FF
@A00721:190:HGJW7DSXY:4:1403:6244:16564_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAA
TAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2645:13259:1689_2:N:0:TCTGCAAG+GCTGCACT
CTTTATTTTCAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTAT
GATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAA
+
FF, FFFFF: FFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2356:24126:8860_2:N:0:TCTGCAAG+GCTGCACT
AAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGT
TGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACAGG
+
F: FFFFFFFFF: FF, FFFFFFFF: FFFFFFFF: FFFFFFFF
FFFFFFFFFFFFFFFFFFFF:, : FFFFFFFFFFFFFFFFFFFFF: F: FFF: FFF, FF
@A00721:190:HGJW7DSXY:4:1343:11740:25614_2:N:0:TCTGCAAG+GCTGCACT
TTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTT
CGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTTACAT
+
FFFFFFFFFFFFFF: FF
FF:
@A00721:190:HGJW7DSXY:4:1564:31268:31814_2:N:0:TCTGCAAG+GCTGCACT
CCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAA
TTTATGTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATAG
+
FF
: FFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFF: FF: FFFFF:
@A00721:190:HGJW7DSXY:4:1426:7102:33207_1:N:0:TCTGCAAG+GCTGCACT
CTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTT
AATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTCCCGGAAGAAACGATCTATTTACAGA
GTA
+
FFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: F: FF: FFFFFFFFFFFFFFFFFFFFFF, FFFF: FFF
FFFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: FFFFFFFFFFFFFFFFFFFFFF: FFF
FFF
@A00721:190:HGJW7DSXY:4:2664:16251:28260_1:N:0:TCTGCAAG+GCTGCACT
TTCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGG
GCTGTTGCCAGAGGAAAGCAGCGACCAACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTC
TGT
+
: FFFFFF: FFF: FFFF, FF, FFFFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2150:4191:33207_2:N:0:TCTGCAAG+GCTGCACT
TCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAA
TACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAAC
+


```
FFF,F,:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFF:FF:FFFF:FF,FFF
,FF:FF,FFFFFFFFF:F:FFFFFFFFFFFFFFFF,FFFFFF:FF:FFF
```

+

@A00721:190:HGJW7DSXY:4:2526:18945:33144_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGA

[illegible]

+

@A00721:190:HGJW7DSXY:4:1178:24026:36683_1:N:0:TCTGCAAG+GCTGCACT
GAAGATCCCCTATGGAGTATTGAAGGACTTAGGTTGGAATATTTATGCCGACGATAATAATCATGTCA
CCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTT
GC

```
F,F:FFFF,,FFFF:FF:,FF:F,,FF,FF:FFFF,,,,F:FFFFFF,F,,:::,F,F,F:,F:FFFFFF
:,,FFFF,::F::,FFFF,:FF:FFF,,FFFF,:FF::F,FFFF,FFF,,F,:F:FF:,FFFFFFF:
FF
```

+

@A00721:190:HGJW7DSXY:4:2342:26802:27555_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGA
TTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATA
ATC

```

FFFF:FFFFFFFFFFFFFFF, :FFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

+

@A00721:190:HGJW7DSXY:4:1249:14832:30718_1:N:0:TCTGCAAG+GCTGCACT
TTGTCGTACCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATTGCGG
TTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATAATCA
CTT

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2115:17580:23390_2:N:0:TCTGCAAG+GCTGCACT
TGAAAACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAG
CTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1605:28320:10488_1:N:0:TCTGCAAG+GCTGCACT
ACCTTTACTCCTAGTGTCTTTTCTAGAGTCCAAGGACGTTTCCGTCGAGGATGACAGGTGGGAGACC
GCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATT
TAC

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1571:17906:32064_1:N:0:TCTGCAAG+GCTGCACT
GATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGT
CTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTTGGGACTGAGACCTCTGAATTTTCAGGGT
GCC

+

FFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2427:15185:31861_2:N:0:TCTGCAAG+GCTGCACT
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTAT
TCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG

+

FFFFFFFFFFFFFFFFF:FF
FFFFFFFFF:FFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2273:24542:7388_1:N:0:TCTGCAAG+GCTGCACT
TTCCGATATACGAAATCATTATTGATGAGTGTAGTTATTATCGAAGTCTCAGTTATCGCTGCCCGGCC
GACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGA
CAC

+

FF,,, :F,F,,, ,FF,,FF,FF,FF,,, F:F,:FF,FF:F,,F:,F,F,F,FFFFFFFF,F:FF,,
F,:FFFFFF:F:FFFFFF:,F:F,FFFF:F,:F:FFFFFF:FFFF:FFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1552:26051:22999_2:N:0:TCTGCAAG+GCTGCACT
ATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGA
CCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1174:31467:2347_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGATTGATGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2464:2275:16141_1:N:0:TCTGCAAG+GCTGCACT
AGCTCAGGGTGAAGCACAACTTTGACCGTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATA
CTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCG
ACT
+
FFFFFFFFFFFFFFFFFFFF:FF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2536:4300:9157_1:N:0:TCTGCAAG+GCTGCACT
CTTACAGAGGGGAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTC
TCGCTCTTGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGT
TTT
+
FF:FF:FF
FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1169:29550:31939_1:N:0:TCTGCAAG+GCTGCACT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTAACCATTGTACGAT
GTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1202:6144:22216_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2260:16920:17989_1:N:0:TCTGCAAG+GCTGCACT
TGGAACGAAGGCGACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGC
GAAATACGATTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAT
ATG
+
FFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1632:6280:36229_1:N:0:TCTGCAAG+GCTGCACT
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGT
GTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTA
CGG
+
FFFFF:FF
FFFFFFFFFFFF,FFF:FF:FF,FFFFFF:FFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2152:6460:4695_2:N:0:TCTGCAAG+GCTGCACT
ACTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGAC

CAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAA
+
FFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
F:FF:FFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FF:FFFFF,:FFFF
@A00721:190:HGJW7DSXY:4:1536:11532:12007_2:N:0:TCTGCAAG+GCTGCACT
CGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCA
AACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGATC
+
FFFFF:,FFFFFFFFFFFFFFFFFFFFFFFF, :FFFFFFFF:FFFF:FFFFFFFF:F,:FF:FF,F,:FFF
FFFFFFFF,FFFFF,: :F,FF,F:FFFFFFFF, : ,FFF,F: :FFF, ,FF
@A00721:190:HGJW7DSXY:4:2473:25156:27148_1:N:0:TCTGCAAG+GCTGCACT
ACCAAATCTTGCTTTCAACGAAGTCTCTGATTTTATTAATCATTACTTTAACGATCTCTCGGTCAT
TTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGAACAACCTTTACTTAGAATGACTCTATCTTT
CAG
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,FFFFFFFFFFFFFFFFFFFFFFFF
,FF
@A00721:190:HGJW7DSXY:4:2675:2582:22373_2:N:0:TCTGCAAG+GCTGCACT
CTTCGTTACGAGACCTGATGGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAG
TTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1446:28782:23782_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATTTTTCTATAAGGGAAAATAGCAA
TAA
+
FFFFFF:FF
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2162:8929:8124_2:N:0:TCTGCAAG+GCTGCACT
ATTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAATAAGATGTATGATG
ATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACT
+
FF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:2415:24316:33927_2:N:0:TCTGCAAG+GCTGCACT
AAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGT
TGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGG
+
FF
FF:FFFFFFFF:F
@A00721:190:HGJW7DSXY:4:1459:5511:24408_2:N:0:TCTGCAAG+GCTGCACT
TTACTTTTACCGTTAGAAGTGAAGAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTT
CGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACCTTACAT
+
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FF,F:FFFFFF: :FFFFF:
FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2216:14968:29951_2:N:0:TCTGCAAG+GCTGCACT
CCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAA
TTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAG
+

FF:FFFFFFFF,FFFF
:,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1614:20943:27398_1:N:0:TCTGCAAG+GCTGCACT
CTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTT
AATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGA
GTA
+
FF,FFFFFFFF
FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1578:31015:27899_1:N:0:TCTGCAAG+GCTGCACT
TCCCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGG
CTGTTGCCAGAGGAAAGCAGCGACCAACGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTCT
GT
+
FFFFF:FFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FF
FF
@A00721:190:HGJW7DSXY:4:2329:2049:36292_2:N:0:TCTGCAAG+GCTGCACT
TCACATTCACTACTCCATACCAATCAATGATGTGACTATACAGTTCGGCCATATCAAGAGTGGTCAA
TACGTCGTGGGAGGTACTGAAGCCTTCCCCACCGCTGGCACGAAGAAC
+
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF::FFFF,FF:FF::,FFFF:FF,,FFF,F
FFFF:FFF:FFFFFFFFFFFFFFFFFFFF:F,FFFF:FFFF,FFFF,F
@A00721:190:HGJW7DSXY:4:1503:16224:32095_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAG
AAA
+
FF,FFF,FFFFF:FFFFFFF::FFF,:FFFFFFFF:F,FFFF,:FFFFFF:FFFFFFFFFFFFFF
FFF,FFFFFFFF,FFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2571:5330:16141_1:N:0:TCTGCAAG+GCTGCACT
CTACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATC
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTGCTCACTGA
GGA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1212:3468:35556_2:N:0:TCTGCAAG+GCTGCACT
CTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCG
AGCTAGAGTGTGACGAGCGCGGTGACGTTTTTGTCAACGGCGTTTGGA
+
FFFF:FFFFFFF::FFF:F:FFFFFF:,F:F:FFF::FF:FF:,FF,FF:,F:FFFF:FFF:FF:FF
FFFF,FFF,FFFF:FF:FFFF:FFFF::,FFFF:,FF:FFFF,FF,:
@A00721:190:HGJW7DSXY:4:1235:18765:3615_1:N:0:TCTGCAAG+GCTGCACT
CCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCTTAAG
CACCGAGGTAAGCTCGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAA
TGC
+
FFFFF::FFFFFFFFFFFF,F::FFFFFF,FFFFFF,FFF,FFFFFF,FF,FFFFFFFF:F:FFFF
FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:,
FFF

@A00721:190:HGJW7DSXY:4:2122:27335:18897_2:N:0:TCTGCAAG+GCTGCACT
ATGTGAGAAGGTGGAAGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGA
TTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAA

@A00721:190:HGJW7DSXY:4:2463:19560:35994_2:N:0:TCTGCAAG+GCTGCACT
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTAT
TCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG

+

FFFFFFF:FF:FF
FFFFFFF:FF
FFFFFFF:FFFF:,FFFFFF::FF,FFFFFFFFF,

@A00721:190:HGJW7DSXY:4:2308:3775:29074_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCTACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCG
ACGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGAC
AC

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:1569:30273:5071_2:N:0:TCTGCAAG+GCTGCACT
ATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGA
CCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAG

+

FF:FFFF
FF:FFF

@A00721:190:HGJW7DSXY:4:1266:17680:30295_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FF:
FF::FF:FFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2664:3613:23187_1:N:0:TCTGCAAG+GCTGCACT
AGCACAACGTTTGACCGTGACGAAGTGTGGTGTCTTGTATCTACGTTACGGATATACTCTCCTTGAGT
TCACTCGTAAGGACACTACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACTCCTTTAAGC
GTC

+

FF:FF:FFF,FFFF:FFFF:F,FFFFFFF:,FFFFFFFFF,FF:FFF:F,FFFF:FFFFFFFFF
FFFF:F:FFFFFFFFF,FFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFF::,FFFFFFFFFFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:1214:22607:28056_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCC
TCTTGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTC
TAA

+

FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1273:17842:35211_1:N:0:TCTGCAAG+GCTGCACT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGCGATGGATCGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTTAAACATTGTACGAT
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1263:11360:12900_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACC

@A00721:190:HGJW7DSXY:4:2308:11053:36855_2:N:0:TCTGCAAG+GCTGCACT
ATTTCAAGACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAATAAGATGTATGATG
ATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACT

@A00721:190:HGJW7DSXY:4:2465:1497:20525_2:N:0:TCTGCAAG+GCTGCACT
AAGTTGGAAGAGGTCTATGATATTTATTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGT
TGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGG

@A00721:190:HGJW7DSXY:4:1627:27832:14779_2:N:0:TCTGCAAG+GCTGCACT
TTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTT
CGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACAT

@A00721:190:HGJW7DSXY:4:2248:19361:10692_2:N:0:TCTGCAAG+GCTGCACT
CCTTAATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCA
TTTATGTTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAG

@A00721:190:HGJW7DSXY:4:1614:21766:27633_1:N:0:TCTGCAAG+GCTGCACT
CTATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTT
AATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTCCCGGAAGAAACGATCTATTTACAGA
GTA

@A00721:190:HGJW7DSXY:4:2175:7211:18114_1:N:0:TCTGCAAG+GCTGCACT
CCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGGACGACCACTCAAAGGAAACGGGCT
GTTGCCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTCTGT
GGG

@A00721:190:HGJW7DSXY:4:2374:6894:6449_2:N:0:TCTGCAAG+GCTGCACT
TCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAA
TACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACCAGAAGAAC

@A00721:190:HGJW7DSXY:4:1503:16468:31422_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAAG
AAA

+

@

+

@

+

@

+

@

+

@

+

@

+

@

+

@A00721:190:HGJW7DSXY:4:2226:21052:23015_1:N:0:TCTGCAAG+GCTGCACT
TTACTTTAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCT
TTACTTAGAATGACTCTATCTTTTCAGACAATTCTTATATTATTTACAATAGTTAATATCATATTAGT
AA

FF,,FFFFFFFF,FFF:,,,FF:FFFFFF:FFFFFF,FF:FF,F:FFF:FFFFFF,FF:FF:FFF,FF,FF
FFF,F:F,F:FF:FFF:FF::FFFF,FFFF,FF,FFFFFFFF,FFF,FFFF,FFFFFFFF:F,FFF,F
FF

+

@A00721:190:HGJW7DSXY:4:1513:9878:14528_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAA
TAA

```

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

+

$$+$$

+

+

+

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:2565:20835:33254_1:N:0:TCTGCAAG+GCTGCACT
CCAAATCTAGATCTGCACAGAAGAAGGCTGAAGGTCGTTACCGCCGACCACTCAAAGGAAACGGGCT
GTTGCCAGAGGAAAGCAGCGACCACCGAGGTCGCTCGTAACATTGACGGCAGTCCCGTCATCTCTGT
GGG

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFF,:FFFFFFFFFFFFFFFF:FFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2434:25898:36824_2:N:0:TCTGCAAG+GCTGCACT
TCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAA
TACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAAC

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1504:31910:6684_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGAATAAG
AAA

+

F,F,FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF:F:FFFF:FFF:FFF:FFFFFF:FFF
FFFFFFFFFFFFFFFFFFFF:F:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1269:18385:21120_1:N:0:TCTGCAAG+GCTGCACT
TACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCT
TTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAG
GAC

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1473:14344:1125_2:N:0:TCTGCAAG+GCTGCACT
CTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCG
AGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGCGTTTTGGA

+

FFFFFFFFFFFFFFFFFFFFFF,FF:FF
FFF:FF,FFFF:F:F:FFFFFFFFFFFFFFFFFFFF:FF:FFFF::

@A00721:190:HGJW7DSXY:4:1369:27606:2926_1:N:0:TCTGCAAG+GCTGCACT
CCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCTTAAG
CACCGAGGTAAGCTCGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAA
TGC

+

FFF:F::FFF:FFF:F:FF:FFFFFFFFFFFFFF,FFFF:FFFFFF,FF:,FFFFFFFF:FF,FF
FFF:FFF:FFFF:FFFFFFFF:FFFFF:FFFF:FFF::FFFFFFFFFFFF:FF:FFFF,::,
FF:

@A00721:190:HGJW7DSXY:4:2537:28999:8688_2:N:0:TCTGCAAG+GCTGCACT
ATGTGAGAAGGTGGAAGGTGTCAAGGCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGA
TTGATAGTTACGGCTCGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAA

+

FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2501:20772:20807_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGAGAGTCCAGAAGTTGATGAAGAAGGA

TTATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTT TAGATA
ATC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1616:14443:5494_1:N:0:TCTGCAAG+GCTGCACT
CTGGAGTTCAGACGTGTGCTCTTCCGATCTGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAG
TTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCT
GAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2474:19361:23844_1:N:0:TCTGCAAG+GCTGCACT
TTGTCGTTCTTACAAGGTTGAGGAGACTTTACAGCGGCTTATTGTCGCGCAGTTTCCAGAATTGCGG
TTGAAGTTCACCCATTCTATCTTGAATGCTCACGCCGTCGCAGCCATATCGAGACTATGTTATAATCA
CTT

+

FFFFFFF,FF:FF
FF:
FFF

@A00721:190:HGJW7DSXY:4:1408:24334:9095_1:N:0:TCTGCAAG+GCTGCACT
AACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTAC
GAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGAGACTCCTTCTTTTTGAATGTTGTAA
AGA

+

FFF::FFF,FFFFFFFFF:F:FFFFFFFFF::FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2175:21793:10927_1:N:0:TCTGCAAG+GCTGCACT
ACCTTTACTCCTAGTGCTTTTCTAGAGTCCAAGGACGTTCCGTCGGAGGATGACAGGTGGGAGACC
GCTCAATAACACTCTATTGAATCCCTTTTCCACGATGAAAGCTCTTTATGAGGTGCTCCATGCAAATT
TAC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FF::FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2311:15899:4131_1:N:0:TCTGCAAG+GCTGCACT
GATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGT
CTCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTTGGGACTGAGACCTCTGAATTTTCAGGGT
GCC

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2630:12861:23328_2:N:0:TCTGCAAG+GCTGCACT
AGCTGATTCTTATTGCATGAACGTCGCTGAGGTCAAACCTGTGGACGTTCTTTTCATCGACGAATTAT
TCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGG

+

FFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF:FFFFFFFFFFFFF
:,FF,FFFFFFFFFFFFFFFFFFFF:FFF:FFFF,FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1347:28366:27070_1:N:0:TCTGCAAG+GCTGCACT
CAACATCAACGACATCATTCTTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCG

ACGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGAC
ACT

+

FFF:FFFFFFFFFFFF:FF:FF
FF:FF:FF::FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1630:4535:32080_2:N:0:TCTGCAAG+GCTGCACT
ATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGA
CCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAG

+

FF:FFFFF
FF

@A00721:190:HGJW7DSXY:4:1377:29875:19413_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTATGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2255:2627:8108_2:N:0:TCTGCAAG+GCTGCACT
GTGACGAACTGTGGTGTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCCTCGTAAGGACAC
TACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTTT

+

,FFFF:F:FFFFFFFFFFFF:FFFFF:FF,FFF:F:FFFFF::FFFF,,:FFF,FFF,F:,FF:FFF:F
,FFFFF:,,:FFFFF:FFFFF:,F:F,F:F:F:FFFFFFFF:FFF,:F

@A00721:190:HGJW7DSXY:4:1415:23095:21512_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCC
TCTTGAATGAAGTTTTAATGCTTAACAACAATGATAGTGGATTTATACCTACAATCATTGGTTTTTC
TAA

+

FFFFFFFFFFFF:FF
:FF
FFF

@A00721:190:HGJW7DSXY:4:1417:27742:4977_1:N:0:TCTGCAAG+GCTGCACT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGCGATGGATCGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAACCATTGTACGAT
GTC

+

FFFFFFFFF:FFFFFFF,F:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF:F
,FFFFFFFFF:FFFFFFFFF,,::FFFFF:FFFFFF:FFFFFF:FFFFFF:FFFFFF:FFFFFF,F
FFF

@A00721:190:HGJW7DSXY:4:1272:7572:30733_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTT
ATG

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2403:26494:12148_1:N:0:TCTGCAAG+GCTGCACT
TGGAACGAAGGCACCTGTTCCGGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGC
GAAATACGATTTTCAACGTCAACGTTACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAAT
ATG

FFF:FFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2654:26738:18552_1:N:0:TCTGCAAG+GCTGCACT
TACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGT
GTTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTATAATCGCTGCATATTGA
CGG

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1266:26196:36777_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACC
AACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAG

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:2513:24035:14215_2:N:0:TCTGCAAG+GCTGCACT
CGAACCCGTTGATGCTATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCA
ACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTC

+

FFF:FFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1359:11749:31203_1:N:0:TCTGCAAG+GCTGCACT
TAACGATCTCTCGGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGGAACAACCTTTACTT
AGAATGACTCTATCTTTTCAGACACTTCTTATATTATTACAATAGTTAATATCATATTAGTAATACT
CAC

+

FFF:FFFFFF:FFFF:FFF
:FF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2557:29658:8891_1:N:0:TCTGCAAG+GCTGCACT
TTCTTTAGGAGACCTGTTGTTAGATTTTATTTTCGTCTCTACACCCATCTCAACGTGTATAACGCGTGT
TTTCCTTCATGACCGTATTACACTAAGAGATAATCCGCAAACGACTCGA

+

F:,F::,,F,FF,F,,,,F,,F::,,,FFF,,::,,,FF,F::,FF,,,,F:,F::,,,,,,F
FF,F,,,F,,,F,,,FF,:,F,:,F,,,::,,,,F::,F,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1609:1524:6292_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAA
TAA

+

:FFF,FFF:FF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1178:16993:33739_2:N:0:TCTGCAAG+GCTGCACT
CAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAA
TCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTAT

+

FFF:FFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1434:26576:23531_1:N:0:TCTGCAAG+GCTGCACT
TTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGA

FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2407:13756:9001_1:N:0:TCTGCAAG+GCTGCACT
CGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTTATA
CCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGCAAACTAC
TTC

+

FFFF:FFFFFFFFFFFF:FFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1621:14714:32017_1:N:0:TCTGCAAG+GCTGCACT
TGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGAACTCTCAGAGGTTTA
CGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAATTAGACCTATCAGATGTC
TTG

+

FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2106:1108:27555_2:N:0:TCTGCAAG+GCTGCACT
ATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGA
CCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAG

+

FFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1522:29966:2534_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTATGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

F:F:FF
FFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2464:9064:13870_2:N:0:TCTGCAAG+GCTGCACT
GTGACGAACTGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACAC
TACCACTTATTACGATATTTCTTTAGTCGATGGGTTTTCGACGCCTT

+

FFFFFFFFF:FFFFFF,FF
FF:FFF

@A00721:190:HGJW7DSXY:4:1445:17454:3537_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTGTACCACCTTTTCTACTGTCTGTCTCGCC
TCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGGATTTATACCTACAATCATTGGTTTTTC
TAA

+

FFFFFFF:FFF:F:FFFFFFFFFFFF:FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:1417:28293:3208_1:N:0:TCTGCAAG+GCTGCACT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAACCATTTGTACGAT
GTC

+

FF:FFFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

[illegible]

@A00721:190:HGJW7DSXY:4:1158:21025:23156_2:N:0:TCTGCAAG+GCTGCACT
ATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGTC
TCCACTGATTCTCGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1348:5294:30639_1:N:0:TCTGCAAG+GCTGCACT
TTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGTGTGTTTCAA
AAGACCAGAAACGTAACAAGAAGAATAAATGTAGGAAGGGGAGAAAACAGAAACGTAACAAGAAGAAT
AAA

+

:F::FFFF,, ,FFFFF,:FFFF:FF
:F:FFF:FFFFFFFF:FFFFFFFF,,FFFF,FFF:,F::F:F,FFFFFFFFFF,FF:FF:FFFF,:F
FF:

@A00721:190:HGJW7DSXY:4:2557:21097:5024_1:N:0:TCTGCAAG+GCTGCACT
CGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGCTTATA
CCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGCAAACTAC
TTC

+

FFFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2472:16595:27070_1:N:0:TCTGCAAG+GCTGCACT
TGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCGACGTTTGTGCGGAACTCTCAGAGGTTTA
CGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTC
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2145:31006:12164_2:N:0:TCTGCAAG+GCTGCACT
ATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGA
CCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAG

+

FF:FFFFFFFF:FFFF:FFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1532:24270:6167_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FFFF:FFFFFF:,FF:FFFFFFFF:F:FF:FFFF,FF
FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1249:16749:31031_1:N:0:TCTGCAAG+GCTGCACT
TGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTA
TTACGATATTTCTTTAGTCGATGGGTTTTGACGCCTTTAAGCGTCTTCTGTTTCATCGCAACCAGATG
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2226:28429:10927_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCC

TCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGGATTTATACCTACAATCATTGGTTTTTC
TAA

+

FF
FF:
FFF

@A00721:190:HGJW7DSXY:4:2105:15763:35462_1:N:0:TCTGCAAG+GCTGCACT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGAGGATTCTCAGTTTACAAGGACCTTA
AGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAACCATTGTACGAT
GTC

+

FF
FF:
FFF

@A00721:190:HGJW7DSXY:4:1433:32515:5478_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACACTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG

+

FFFFFFFFFF,FFFFF,FFFFF,FF:
FFFFFFFFF:FFF:
FFF

@A00721:190:HGJW7DSXY:4:1156:30318:31172_2:N:0:TCTGCAAG+GCTGCACT
GGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCGAACGTCAA
CGTTCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTTCGTCAATAT

+

FFFFFFFFFFFFFFFFFFFFF,:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1259:14552:14512_1:N:0:TCTGCAAG+GCTGCACT
ACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTG
TTATCTCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTAC
GGA

+

FFFFFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1444:10447:30608_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACC
AACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAG

+

FF
FFF

@A00721:190:HGJW7DSXY:4:1407:11749:20744_1:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATT
ATT

+

FFF,
F,FFFFFFFFF,FFF,FFFFF::FFFFF,FF:FF::F:FFFFF,F:,FFFFFFFFF,:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1521:7880:2425_1:N:0:TCTGCAAG+GCTGCACT
TAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTT
AGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACT
CAC

+
FFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1144:13268:11224_1:N:0:TCTGCAAG+GCTGCACT
TTCGTTACGAGACCTGATGTTATAATAGATTTAGTCTATACACCCATCTCAACGCGTATAACGCTTTT
TTTCCGTCCTTAACCTAATACTAATATATCACCCGCAAACGACTCGAAACCGAGACGCCGTA

+
F:,,FF:,,,:FF,F:,F:,F,,,:F:,,,FFF:,,,:,,,:F:,,:,,,,,:,,,,,,FF,,,,,,F
FF,F,:F,,,F,,,FF:FF:FF,F,,,F:,,,FF,,F,FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1623:25952:36980_1:N:0:TCTGCAAG+GCTGCACT

ATGAGGTCAAAGCTCTATTTATTAAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAA
TAA

+
FFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2148:12753:3129_2:N:0:TCTGCAAG+GCTGCACT
CAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAA
TCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTAT

+
FF
FF

@A00721:190:HGJW7DSXY:4:2272:30120:5400_1:N:0:TCTGCAAG+GCTGCACT
TTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAAATTGACTGTTGA
TAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATT
TAC

+
FFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1445:23601:32972_2:N:0:TCTGCAAG+GCTGCACT
ATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTAT
GTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAA

+
FF:FFF:FFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1543:8549:2957_1:N:0:TCTGCAAG+GCTGCACT
CGATCTCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTT
AATTGATTGAAGCTAGGCGTTGGGAGAATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGA
GTA

+
FFFFFFFFF:FF
FF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2468:21386:8782_2:N:0:TCTGCAAG+GCTGCACT
TCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAA
TACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAAC

+
FF
FF

@A00721:190:HGJW7DSXY:4:2140:15121:12962_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG

GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAAG
AAA

+

FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1505:11216:15248_1:N:0:TCTGCAAG+GCTGCACT
TACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCT
TTGAGACCAAGACTCTCTACAGTAGGTTTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAG
GAC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1643:24243:14951_2:N:0:TCTGCAAG+GCTGCACT
CTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCG
AGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF::FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1607:27588:17174_1:N:0:TCTGCAAG+GCTGCACT
CCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAG
CACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAA
TGC

+

FF:,F::FFFFFFFFFFFFFF,FFF:FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFF:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1429:3531:23015_1:N:0:TCTGCAAG+GCTGCACT
AGGTGTCAAGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCT
CGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGATTAAGAGTCCAGCTGTAAC
GTC

+

FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2640:2148:31422_1:N:0:TCTGCAAG+GCTGCACT
AAGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGA
TTATTTGAAGCAGGGGTACCCTTCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATA
ATC

+

FFFFFFF,FFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF,FFFF:FF,:,:,:,
F::,,FF::FF
FFF

@A00721:190:HGJW7DSXY:4:1446:22752:31313_1:N:0:TCTGCAAG+GCTGCACT
ACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTT
GTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGA
GGG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2356:7979:13025_1:N:0:TCTGCAAG+GCTGCACT
AACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTAC

GAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAA
AGA

+

FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1158:21603:22936_2:N:0:TCTGCAAG+GCTGCACT
ATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGTC
TCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1408:22806:25332_1:N:0:TCTGCAAG+GCTGCACT
TTCAGGGTGCCCTGATGAGGACGTTGAAAGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCCTCAA
AAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGAGAAAACAGAAACGTAACAAGAAGAAT
AAA

+

FF,FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2664:8901:7200_1:N:0:TCTGCAAG+GCTGCACT
CGACGAATTATTCATGATTCACGCTGGTCAGACCCTTTTCTTACACATCTACTTAAGGCGGCTTATA
CCATAGGTTACGGTGATTCCAATCAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGCAAACTAC
TTC

+

FFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2548:28673:28291_1:N:0:TCTGCAAG+GCTGCACT
TGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGGTTTA
CGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTC
TTG

+

FFFFFF:FF:FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2148:31693:30264_2:N:0:TCTGCAAG+GCTGCACT
ATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGA
CCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1553:4390:9095_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2255:2627:8108_1:N:0:TCTGCAAG+GCTGCACT
TGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTA
TTACGATATTTCTTTAGTCGATGGGTTTTGACGCCTTTAAGCGTCTTCTGTTTCATCGCAACCAGATG
ATA

[illegible]

F:FFFFFFFF,FFFFFFFF,FF:FFF,:F:FFF::FFFF,F,:FFFFFFFF,,FFF:FFFFFFFF,F
F:F

@A00721:190:HGJW7DSXY:4:1641:14778:21104_1:N:0:TCTGCAAG+GCTGCACT
TAACGATCTCTCGGTAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTT
AGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACT
CAC

+

FFF,FFFFFF:,FF,,FFFFFF:FFF,,FFFF:FFF:F:,FFF,F:FFFFFFFFFFFF:FFFFFFF
FFFFFFFFF:,FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:F:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2540:21893:20212_1:N:0:TCTGCAAG+GCTGCACT
TTCGTTACGAGACCTGATGTTAGAATATATTTTGTCTCAACACCAAATCAACTAGGATAATGCGAGT
TTTCCGTCCTCAACTTAATACACGAAGAGATCAGCCGAAAACGACTCGAAACCGAGACGCCGTA

+

F:,,FF,,FF:,,,F,,:F,:F,,,F,,,FFF,,:::,F:FF:,::,,FF,,,,:,F:,,,,,F
FF,F,,,::,,FF,,,F,:F:,F,,,,,,:F:,F,FFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1652:10285:33144_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAATAGCAA
TAA

+

FFFFFFFFF:FFF
FFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2415:14931:24909_2:N:0:TCTGCAAG+GCTGCACT
CAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAA
TCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTAT

+

FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFF:F:F:FFFFFFF

@A00721:190:HGJW7DSXY:4:2408:17047:26663_1:N:0:TCTGCAAG+GCTGCACT
TTGGAAGAGGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGA
TAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATT
TAC

+

FFFFFFFFFFFFFFFFFFFFFFFFF,FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1539:25283:31125_2:N:0:TCTGCAAG+GCTGCACT
ATATTCTAGTAACCGCTATGTGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTAT
GTTTTAAATGCTAGGAAAATTTAGAAAACTCCATTGTATAGTTCAA

+

FFF:F:FFFFFFFFFFFFF
FFFFFFF:FF:FFFFFFF:FFFFFFFFF:FFFFF,FFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2239:1533:2707_1:N:0:TCTGCAAG+GCTGCACT
CGATCTCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTT
AATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTCCCGGAAGAACGATCTATTTACAGA
GTA

+

FFF:FF:FFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2548:22616:25567_2:N:0:TCTGCAAG+GCTGCACT
TCACATTCACCACTCCCATGCCAATCAATGATGTGACTATACAGTTCGCCATTTCAAGAGTGGTCAA

+

@A00721:190:HGJW7DSXY:4:2210:16143:14168_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAG
AAA

+

@A00721:190:HGJW7DSXY:4:1603:22869:3959_1:N:0:TCTGCAAG+GCTGCACT
TACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCT
TTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAG
GAC

+

@A00721:190:HGJW7DSXY:4:2238:25970:4507_2:N:0:TCTGCAAG+GCTGCACT
CTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCG
AGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGA

+

@A00721:190:HGJW7DSXY:4:1646:7148:36417_1:N:0:TCTGCAAG+GCTGCACT
CCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAG
CACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTGCCTCTCACTATTTTTGCCAGAA
TGC

+

@A00721:190:HGJW7DSXY:4:1526:19316:1470_1:N:0:TCTGCAAG+GCTGCACT
AGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCT
CGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAAGAGTCCAGCTGTAAC
GTC

+

@A00721:190:HGJW7DSXY:4:1201:2826:35258_2:N:0:TCTGCAAG+GCTGCACT
AGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGAT
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGT

+

@A00721:190:HGJW7DSXY:4:1451:21567:29700_1:N:0:TCTGCAAG+GCTGCACT
ACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTT
GTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGA
GGG

+

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:2428:18177:25363_1:N:0:TCTGCAAG+GCTGCACT
AACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTAC
GAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAA
AGA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:1325:12970:20259_2:N:0:TCTGCAAG+GCTGCACT
ATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCT
TCCACTGATTTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAG

+
FFF
FFFFFFFFFFFF:FF:F

@A00721:190:HGJW7DSXY:4:2256:28971:16094_1:N:0:TCTGCAAG+GCTGCACT
TTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTC
AAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAAACGTAACAAGAAGAAT
AAA

+
FFF:FFFF,FFFFFFFF:F:FF:FFFF:FFF:FFFF:FFF:FFFFFFFF:F:FF:FFFFFFFFFFFFF
FFFF:FFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2511:20799:1438_2:N:0:TCTGCAAG+GCTGCACT
CTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAAT
CAAATCGGATTCAATCGTATTGATCTCCAAGTCGCAAACCTACTTC

+
FFF
FF

@A00721:190:HGJW7DSXY:4:2560:18439:13573_1:N:0:TCTGCAAG+GCTGCACT
TGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGGAACTCTCAGAGGTTTA
CGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTC
TTG

+
FFF
F:FF:FFFFFFFFFFFFFFFFFFFFFFFFF:
FFF

@A00721:190:HGJW7DSXY:4:2221:32660:4726_2:N:0:TCTGCAAG+GCTGCACT
ATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGA
CCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAG

+
FFF
FF

@A00721:190:HGJW7DSXY:4:1563:27697:36151_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTGATGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+
FFFFFFFFFFFF:FF:FF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2464:9064:13870_1:N:0:TCTGCAAG+GCTGCACT
TGTGGTGTTCTTGATCTACGTTACGGATATACTCTCCTTGAGTTCACTCGTAAGGACACTACCACTTA

TTACGATATTTCTTTAGTCGATGGGTTTTTCGACGCCTTTAAGCGTCTTCTGTTCATCGCAACCAGATG
ATA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2441:14669:26396_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCC
TCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTC
TAA

+

FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2203:11912:32706_1:N:0:TCTGCAAG+GCTGCACT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAACCATTGTACGAT
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1456:11939:26052_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACACTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1326:31358:35415_2:N:0:TCTGCAAG+GCTGCACT
GGAGTTTTTACGGGATCCGGACTGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCTGAACGTCAA
CGTTCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTTCGTCAATAT

+

FFFFFFFFF:FFFFF,FFFF:F,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF
F:FFFFFFFFFFFFFFFFFFFFFFFF, ,F:FFFFFFFF:FFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:1609:30355:9940_1:N:0:TCTGCAAG+GCTGCACT
ACAAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTG
TTATCTCCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTAC
GGA

+

FFFFFFFFFFF,FF
FFFFFFFFFFFFFFFFFFFFFFFF,FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1451:17345:10394_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACC
AACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAG

+

FFFF:FFFFFFFFFFF,FFFF,FF,FF
FF:F:F:FFFF

@A00721:190:HGJW7DSXY:4:1654:7301:1454_1:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATT
ATT

AATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTCCGCTTCCCAGAAACGATCTATTTACAGAGTA

[illegible]

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

+

[illegible]

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

+

[illegible] $+$ [illegible]

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1540:27037:15248_1:N:0:TCTGCAAG+GCTGCACT
ACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTT
GTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGA
GGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2678:5113:23657_1:N:0:TCTGCAAG+GCTGCACT
AACCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTAC
GAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAA
AGA
+
FFFFF,FFFFFF:FFF:F::,F:::F,:FFFFFF:FFF:FFFF:F:F,FF:FFFFFFFFFFFFFFFFFFFF
FF:FFFF:FFF:FFFFFFFFFFFFFFFF:FFF:F,FFF:FFF:FFFFFFFF:F:FFFFFF:, :FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1442:25030:19883_2:N:0:TCTGCAAG+GCTGCACT
ATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACGTGTC
TCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAG
+
FFFFFFFFFFFF:FFF:FFFFFFFF
FF:FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2267:31439:6433_1:N:0:TCTGCAAG+GCTGCACT
TTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAA
AAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAAACGTAACAAGAAGAAT
AAA
+
FFFFF:FFFF,FFFFFFFFFFFF,FFFFFFFFF:FFFFFFFF:FFFF:FFF:F:FFFFFFFF:FFFF,FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2554:16468:3521_2:N:0:TCTGCAAG+GCTGCACT
CTGGTCAGACCCTTTTTCTTACACATCTACTTAAGGCGGCTTATACCATAGGTTACGGTGATTCCAAT
CAAATCGGATTCATCAATCGTATTGATCTCCAAGTCGAAACTACTTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1510:23457:36918_1:N:0:TCTGCAAG+GCTGCACT
ATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAA
ATTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGAAATTAGACCTATCAGATGTCTTGACGACTT
CGA
+
FF
FF,FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2231:19777:8343_2:N:0:TCTGCAAG+GCTGCACT
ATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGA
CCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAG
+
FF:FFFFFFFFFFFF
FF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1570:31322:3474_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA

GTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FFFFFFFFF,FFFFFFFFF,FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2551:15600:10629_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCC
TCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTC
TAA

+

FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2323:2202:13291_1:N:0:TCTGCAAG+GCTGCACT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGCGATGGATCGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAACCATTGTACGAT
GTC

+

FFF
FFF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1533:8449:21699_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACACTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG

+

F:FF,FFFF,F:,FFF,,,FF:F:FFFF::FFF:F:F,FFFF:F,F:FFF:FF,FFFF:FFFFFF:F
,FF,:::FFF,FFFF,:::FFFFFFFFFFFFFF,FFFFFF,,FF:F,F,FFFFFFFF:,FF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1340:31864:20071_2:N:0:TCTGCAAG+GCTGCACT
GGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCGAACGTCAA
CGTTCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATAT

+

FFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFF:FFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1240:6126:25786_1:N:0:TCTGCAAG+GCTGCACT
AAATGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGT
ATCTCCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTCGTATAATCGCTGCATATTACGG
ATT

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2149:17951:15734_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACC
AACATTAAGGCGGCGGCGACTAATCTTAAAGTTTCACCCAAAATGAAG

+

FF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2330:19416:6057_1:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCGAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATT
ATT

+
FF,FFF,FF:FFFFFFFFFFFFFFFF,FFFFFFF:FF
F:FF:FFFF::FFF:F:FFF,FFFFFF,FFFFFFFFF:F:FFF:FFFFF::F:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2353:19108:19366_1:N:0:TCTGCAAG+GCTGCACT
TAACGATCTCTCGGTCACTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTT
AGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACT
CAC
+
FFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFF:FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1342:19840:5384_1:N:0:TCTGCAAG+GCTGCACT
GGTATAATAGATTTTCGTCTCTACACCAATCTCAACGAGGATAACGCGTGTTCCTGACGTAACGTAA
TACACGAAGATATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTT
AGA
+
F,F,:F,:,,,FFF,,,::,,,FFFFFF,,,::,,,F,:,:,F,FF,:,,,FFF,:,,,F,:,:,F,,,F:
,:,,,F,,,,,,,F,,,F,FF:FF
FFF
@A00721:190:HGJW7DSXY:4:2118:21866:29058_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAA
TAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2549:1796:4883_2:N:0:TCTGCAAG+GCTGCACT
CAGAACTCTCTCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAATAAGATGTATGATGATAA
TCTACTATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1625:11767:25535_2:N:0:TCTGCAAG+GCTGCACT
GGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTA
CAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
+
FFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFF:F:FFFFFF
@A00721:190:HGJW7DSXY:4:2372:16260:5760_1:N:0:TCTGCAAG+GCTGCACT
TTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTT
CGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTAAATGGTATGGTATAAT
GTG
+
FF
FFFFFFFFFFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:2160:9643:25207_2:N:0:TCTGCAAG+GCTGCACT
ATATTCTAGTAACCGCTATGTGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTAT
GTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAA
+
FFF,FFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFF:FFF:FF,FF:F:
FFFFFFFFFF:FF,F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2608:17951:24627_1:N:0:TCTGCAAG+GCTGCACT
TATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTTA
ATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTCCCGGAAGAAACGATCTATTTACAGAG
TA

+

FFF,::,FFF:FF,F::FFFFFFFFFFFF,FFFFFFFF:FFFF::FF:FFFF:FFFFFFFFFFFFFFFFFFFF
FFFF:FFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2566:19036:15702_2:N:0:TCTGCAAG+GCTGCACT
TCACATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAA
TACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2214:12536:35728_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAG
AAA

+

FFFFFFFF::FFFFFFFFFF:FF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2265:8675:4335_1:N:0:TCTGCAAG+GCTGCACT
TACGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCT
TTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAG
GAC

+

FF:
FFFFFFFFF:FF:
FFF

@A00721:190:HGJW7DSXY:4:2263:29306:3458_2:N:0:TCTGCAAG+GCTGCACT
CTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATAGCGTGGGTTGAAGCCGACGCTTCG
AGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGA

+

F,FF,F,,,FFFFF:F::F:,FFF,F:::F,F::F,F,,F,F,:FF:,F:F,F,F,FFF:FFFF,FF
FFF:FFFFFFFF,FFF,:FFFFFFFFF:,FFF,F:F:FF,FF:FF:FF

@A00721:190:HGJW7DSXY:4:2129:19099:31469_1:N:0:TCTGCAAG+GCTGCACT
CCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCTTAAG
CACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAA
TGC

+

FF
FF:
FFF

@A00721:190:HGJW7DSXY:4:1608:8296:23375_1:N:0:TCTGCAAG+GCTGCACT
AGGTGTCAAGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCT
CGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGATTAAGAGTCCAGCTGTAAC
GTC

+

FFFFF:FF:FFF:FF:
FF
FFF

@A00721:190:HGJW7DSXY:4:1611:28357:8202_2:N:0:TCTGCAAG+GCTGCACT
AGGCTCTAGATAAGATCTCACCACTGGATAAGGCAAGTGTAGAGTACAGAAGATGATTACTAATGAT

TATTTTAAGAAGGGGTAACTCTTCCTAAGTTGGATGAGGGAGGTTGT

+

FF:F,,::,F,,F,F:,FF,FFF,,FF,FF,FF,::FF,FFF:,FF,:FF,FF,F,,,,,::,F, FFFF,,F:,FF,:F,,,F,FFF:,F,,,F,:FF:FF,,FF::F,F

@A00721:190:HGJW7DSXY:4:1607:19316:7263_1:N:0:TCTGCAAG+GCTGCACT
ACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTT
GTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGA
GGG

+

FFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1129:21404:6872_1:N:0:TCTGCAAG+GCTGCACT
CCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCTAGCTACGA
GAGTTGATCCCGTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAAT
CTT

+

F:F,FFFF,::,::,:::F,FF,FFF,,FF,FFFF,F,FF,FFF:FF,FFFF:F,F:F,FF:F::FF
,,,F::FF,:FFFFFFFFFFFF:FFFF,FF,FFFFFFFFFFFF::FFFFFFFFF:F:, :FFFF::,FF
FFF

@A00721:190:HGJW7DSXY:4:1610:28872:16611_2:N:0:TCTGCAAG+GCTGCACT
ATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTCTC
TCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAG

+

FFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FF:FFF

@A00721:190:HGJW7DSXY:4:2316:5412:19852_1:N:0:TCTGCAAG+GCTGCACT
TTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAA
AAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAAACGTAACAAGAAGAAT
AAA

+

FFFFFFFFF:F:FFFFFFFFF,FFFFF:FF:F:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1549:6027:27305_1:N:0:TCTGCAAG+GCTGCACT
CAACATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCG
ACGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGAC
ACT

+

FFF:FFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2530:4327:36573_2:N:0:TCTGCAAG+GCTGCACT
ATATCGAGGCTATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGA
CCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAG

+

FFFFFFFFFFFFFFFFFFFFF::FFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2106:29812:7122_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGATTTCATGGACCTTCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

:FFF:FFFFFFFFFFFFFFFFFFFFF:F:F:FF,:F:FF:,FFFFFF:FFFFFFFFFFFFFFFFFFFFF

FF
F:F

@A00721:190:HGJW7DSXY:4:2633:27028:12477_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCC
TCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTC
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2404:25979:22153_1:N:0:TCTGCAAG+GCTGCACT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTTAAACCATTGTACGAT
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1537:15275:21559_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACACTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1410:5186:15890_2:N:0:TCTGCAAG+GCTGCACT
GGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTCAACGTCAA
CGTTCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATAT

+

FFFFFFFFFFFFFFFFF:FFFFFFFF:FF
FF,FF

@A00721:190:HGJW7DSXY:4:1347:20871:16971_2:N:0:TCTGCAAG+GCTGCACT
TGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATC
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATA

+

FF:FF:FF:FFF:FF
FF

@A00721:190:HGJW7DSXY:4:2149:18521:14497_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACC
AACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAG

+

FFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF
FF:FFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2425:7591:9627_1:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCA
AGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATT
ATT

+

FF,F:FFFF,:FF:FFFFFFFF,FFFF,FFFF
F:FF,FFFF:FFFF:FFFF,:FFFF:FFFF:FFFFFFFF:FFFFFFFF,FF:FFFFFFFF,F
FFF

@A00721:190:HGJW7DSXY:4:2405:11424:32362_1:N:0:TCTGCAAG+GCTGCACT
TAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTT

AGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACT
CAC

```
FFF,:FFFFFFFFFFFF,FFF,FF:FFFF:FF,:FFFFFFFF:FFFF,FFFFFFFFFFFF,,F:,FF:FFFF
FFFF:FFFF:FFFFFFFFFFFF:FF::FFFFFFFFFFFF::FFFFFFFF:FFFF:FFFF:FFFFFFFFFFFFF,,F
FFF
```

 $+$

@A00721:190:HGJW7DSXY:4:2118:21902:29027_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACTTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAA
TAA

[illegible] $+$

@A00721:190:HGJW7DSXY:4:2134:18873:28009_2:N:0:TCTGCAAG+GCTGCACT
GGTCTATGATATTTATTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTA
CAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG

```
FF:FFFF:FFFFFFFF:FF:FFFF:FFFF:FF::FF:FFFF:FFFF:FFFFFFFF:FFFF:FF:
FFF:F::FFFFFFFFFFFFFFFFFFFF:F,FFFFFF:,F::FFFFFFFF
```

+

@A00721:190:HGJW7DSXY:4:2366:13810:32675_2:N:0:TCTGCAAG+GCTGCACT
ATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTAT
GTTTTAAATGCTAGGAAAAATTTTAGAAAACTCCATTGTATAGTTCAA

[illegible]

+

GTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGA
GGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1330:13494:29089_1:N:0:TCTGCAAG+GCTGCACT
CCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTCGAGGTTTCTGCTACGA
GAGGTGATCCCGTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAAT
CTT

+

:FFFFFFFF:F:FFFFFF,FFFFFFFF:FFFFFFFF:FFFF:FFFFFFFF:FFFFFFFF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1616:27805:18991_2:N:0:TCTGCAAG+GCTGCACT
ATCCTGATGACATTATTTCAACGGATAACGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACGTCT
TCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTTGGGGACTGAG

+

FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1369:16432:21465_1:N:0:TCTGCAAG+GCTGCACT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAA
GACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGA
GAA

+

FFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2258:11080:31203_1:N:0:TCTGCAAG+GCTGCACT
CAACATCAACGACATCATTCTTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCG
ACGTTTGTGCGAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGAC
ACT

+

FFFFFFFFFFFFFFFF:FF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1311:11577:7357_1:N:0:TCTGCAAG+GCTGCACT
ATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATC
TTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACCACCTTAACGTCACTCG
GTA

+

FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2116:25030:29496_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2652:18421:30138_2:N:0:TCTGCAAG+GCTGCACT
GGCAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTCTACTGTCTGTCTGCCTCTTC

+

@A00721:190:HGJW7DSXY:4:2435:23999:4069_1:N:0:TCTGCAAG+GCTGCACT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTA AAAACCATTTGTACGAT
GTC

+

@A00721:190:HGJW7DSXY:4:1554:24939:34757_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTTCTAGATGGGATTCTACGTAGTTT
ATG

+

@A00721:190:HGJW7DSXY:4:1608:30608:35744_2:N:0:TCTGCAAG+GCTGCACT
GGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAA
CGTTCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATAT

+

@A00721:190:HGJW7DSXY:4:1532:9118:22451_2:N:0:TCTGCAAG+GCTGCACT
TGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTC
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATA

+

@A00721:190:HGJW7DSXY:4:2149:18539:14465_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACC
AACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAG

+

@A00721:190:HGJW7DSXY:4:2450:12789:20384_1:N:0:TCTGCAAG+GCTGCACT
ATGTCAGAAGAAGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCA
AGGGGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATT
ATT

+

@A00721:190:HGJW7DSXY:4:2453:30716:14544_1:N:0:TCTGCAAG+GCTGCACT
TAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTT
AGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACT
CAC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1674:28221:8218_1:N:0:TCTGCAAG+GCTGCACT
GGTAGAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAA
TACACGAAGAGATCATCCGCAAACGACTCGAAACGAGACGCCGTAGATCAAAGTCCCTTCTAACTTT
AGA

+

F,F,,F,F:,,:FFF:,,:,,FFFFFF,:F::FFFF:F,FFFF::,,,FFFFFF,::FF:F,,,FF:
F:F::,F,,:FFFF:,F:::F,:FFF
FFF

@A00721:190:HGJW7DSXY:4:2135:24433:21104_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAATAGCAA
TAA

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1237:22245:19006_1:N:0:TCTGCAAG+GCTGCACT
GAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATC
TACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATT
TAC

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2172:12029:28714_2:N:0:TCTGCAAG+GCTGCACT
GGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTA
CAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG

+

FFF,FFF:FFF:F:FFF:,FFFFFFFFFFFFFF:FFF:,FF:,FFFFFFFF,F:FF::FF,FFFFFFFF
:FF:FF,FF,FF,FF::FF,,:FF,FFFFFFFF:,FFFFFFFF,F,

@A00721:190:HGJW7DSXY:4:2458:5059:35931_1:N:0:TCTGCAAG+GCTGCACT
TTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTT
CGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAACTTTACATTTTTAATGGTATGGTATAAT
GTG

+

FFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2550:1235:25144_2:N:0:TCTGCAAG+GCTGCACT
ATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTAT
GTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAA

+

FFFFFFFFFFFFFFFFFFFFFF:FF:FFF
FFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFF,

@A00721:190:HGJW7DSXY:4:1224:3794:13385_1:N:0:TCTGCAAG+GCTGCACT
TATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTA
ATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTCCCGGAAGAAACGATCTATTTACAGAG
TAT

+

FFFFF,FFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1303:16975:35243_2:N:0:TCTGCAAG+GCTGCACT
CATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTCAAGAGTGGTCAATAC

+

@A00721:190:HGJW7DSXY:4:2362:3323:36683_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAG
AAA

+

@A00721:190:HGJW7DSXY:4:2126:27227:16611_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACCTGAGGA
CGA

+

@A00721:190:HGJW7DSXY:4:2551:3694:6950_2:N:0:TCTGCAAG+GCTGCACT
CTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGCCGACGCTTCG
AGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGA

+

@A00721:190:HGJW7DSXY:4:2445:32054:2738_1:N:0:TCTGCAAG+GCTGCACT
CCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCCTTAAG
CACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTGCCTCTCACTATTTTTGCCAGAA
TGC

+

@A00721:190:HGJW7DSXY:4:2153:29794:35305_1:N:0:TCTGCAAG+GCTGCACT
AGGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCT
CGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAAC
GTC

+

@A00721:190:HGJW7DSXY:4:2202:14579:25895_2:N:0:TCTGCAAG+GCTGCACT
AGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGAT
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGT

+

@A00721:190:HGJW7DSXY:4:2328:3296:8641_1:N:0:TCTGCAAG+GCTGCACT
ACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTT
GTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGA
GGG

+

[illegible]

FFF:FFFF,FFF:FFFF,F,FFF:FFFFFFFFFFFF:F,FFFFFFFF,FFFFF:FFFFFFFFF::FFF
FFF

@A00721:190:HGJW7DSXY:4:1369:3504:20149_1:N:0:TCTGCAAG+GCTGCACT
CCAAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGA
GAGGTGATCCCGTAGTAGGTGATCTTGACGTCGATTCTTTGTATAGGGAGTGTGAGAAGACAACGAAT
CTT

+

FF:FFF:FFF::FFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2304:24867:18818_2:N:0:TCTGCAAG+GCTGCACT
ATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGT
TCCACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAG

+

FFF:FFFFFFFF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1445:28031:23516_1:N:0:TCTGCAAG+GCTGCACT
CAGGGTGCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAA
GACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGA
GAA

+

FFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2542:16902:8187_1:N:0:TCTGCAAG+GCTGCACT
CAACATCAACGACATCATTTCTTGATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCG
ACGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGAC
ACT

+

FFFFFFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1460:15121:15937_1:N:0:TCTGCAAG+GCTGCACT
ATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATC
TTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAATAGGTTATTCCTGGAACCACCTTAACGTCACTCG
GTA

+

FF,FF:FFF:FFFF:F:F,FFFF:FFFFFF:,::FFF:,FFFF:FFFF,FFFFFFFFF,FFFF
FF::FFF:F:FFFFFF:FFFFFFF::FF:F,:F,F:F:FFFF,,FF:FFFF:,FF:FFF:F,F
FFF

@A00721:190:HGJW7DSXY:4:2123:6759:34835_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCATTGTGAAATTTTGTATGCGGTTTCATAATATTATCA
GTAATCCTGATTCTACTACGGATTTCATGGACCTTCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

:,FFFFFFFF,FFFFF:,FFFFFFF:FF:F:,FF:FFFF,,FFFFFFFFF:FFFFFFFFF:,FFFF,F
,FF:F,,FFFFFFF,,F,,F,FFFF:F:FF:FFFF,:FF:FFFF:FFFFFFFFF,,FFF,FFF,FFF
F:F

@A00721:190:HGJW7DSXY:4:1108:25292:35055_1:N:0:TCTGCAAG+GCTGCACT
CAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGA
ATGAAGTTTAAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAAT
GAT

+

FFFFFFFFFFFFFFFFF:FFF

FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2505:12264:24518_1:N:0:TCTGCAAG+GCTGCACT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTAACCATTGTACGAT
GTC

+

FFFF:FFFFFF:FFFFFFFFFFFF, :FFF:FFFFFFFFFFFFFFFF:FF:FFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1626:17635:1376_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG

+

FFFFFFFFFFFFFF, FFFFFFFF:FFFFFFFF:FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2120:18078:25504_2:N:0:TCTGCAAG+GCTGCACT
GGAGTTTTTACGGGCTCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAA
CGTTCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATAT

+

FFFFFFFFFFFFFF, FF:FFFF:FFFFF
FFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1573:16288:10504_2:N:0:TCTGCAAG+GCTGCACT
TGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATC
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATA

+

FFFFFFF:FFFFF, FF:FFFFFFFFF:FFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2232:30915:10598_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACC
AACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAG

+

FF
FFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2673:3414:22122_1:N:0:TCTGCAAG+GCTGCACT
TGCTATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAAT
CAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATC
TTT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2523:12355:16595_1:N:0:TCTGCAAG+GCTGCACT
TAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTT
AGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACT
CAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1552:23475:7388_1:N:0:TCTGCAAG+GCTGCACT
GTTATAATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGATTTTCCGACCTGAACGTAA

TCCACGAAGAGATCATCCGCAAACGACTCGAAACGAGACGCCGTAGATCAAAGTCCCTTCTAACTTT
AGA

+

F,F:,FFF,FFFF,,,,,FF::FFFF,F:FF,F,:F,F,FFFF,,::,,FF:FF,,,F:F,FF,FFF:
F,F,:F:::,F,F:,FF,FF
FFF

@A00721:190:HGJW7DSXY:4:2206:21341:3286_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAAACGAACTATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAA
TAA

+

FF
FF:
FFF

@A00721:190:HGJW7DSXY:4:1564:11369:17926_1:N:0:TCTGCAAG+GCTGCACT
GAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATC
TACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATT
TAC

+

FF
FF:
FFF

@A00721:190:HGJW7DSXY:4:2534:28058:2112_2:N:0:TCTGCAAG+GCTGCACT
GGTCTATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTA
CAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG

+

FF:
FFFFFFFFF:FFF:FFFF

@A00721:190:HGJW7DSXY:4:2560:17960:7263_2:N:0:TCTGCAAG+GCTGCACT
ATATTCTAGTAACCGCTATGTGGGCATTACTAGGATTTATCACACTCCTAAATTTGATAGCAATTTAT
GTTTTAAATGCTAGGAAAATTTTAGAAAACTCCATTGTATAGTTCAA

+

FF:
FFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1225:6415:33301_1:N:0:TCTGCAAG+GCTGCACT
TATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTTA
ATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAG
TAT

+

FFFFF:FF:
FF
FFF

@A00721:190:HGJW7DSXY:4:1476:29722:10974_2:N:0:TCTGCAAG+GCTGCACT
CATTCACCACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAGAGTGGTCAATAC
GTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGCAAGAACA

+

FF:
FFFFFFFFFF,FF:FFF,FFFFF

@A00721:190:HGJW7DSXY:4:2418:4924:32690_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCAAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAG
AAA

+

F:FFFFFFFFFFFF:FFFFFFFFF:FFF

$+$

@A00721:190:HGJW7DSXY:4:1510:32380:15389_1:N:0:TCTGCAAG+GCTGCACT
CAGGGTGCCCTGATGAGGACTTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAA
GACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGA
GAA

$$+$$

@A00721:190:HGJW7DSXY:4:1105:13720:12884_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGA
CGTTTGTCGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCTGCTTGTAATTCGAGAGAGGACA
CTA

+

@A00721:190:HGJW7DSXY:4:1534:17300:2394_1:N:0:TCTGCAAG+GCTGCACT
ATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATC
TTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGAACCACTTAACGTCACCTCG
GTA

+

@A00721:190:HGJW7DSXY:4:2152:32570:9956_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

@A00721:190:HGJW7DSXY:4:1331:4851:4820_1:N:0:TCTGCAAG+GCTGCACT
CAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGA
ATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAAT
GAT

+

@A00721:190:HGJW7DSXY:4:2515:32904:18991_1:N:0:TCTGCAAG+GCTGCACT
TTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTA
AGCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTAAAACCATTGTACGAT
GTC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1627:18864:28870_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2120:18304:25614_2:N:0:TCTGCAAG+GCTGCACT
GGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCGAACGTCAA
CGTTCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2208:1199:13275_2:N:0:TCTGCAAG+GCTGCACT
TGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATC
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATA

+

FFFFFFF,FF
FFFFFFF:FF:FFFFFFFFF,FF:FFFFFF::FFFFFF:FFFFFF:FF:FF

@A00721:190:HGJW7DSXY:4:2378:8467:32189_2:N:0:TCTGCAAG+GCTGCACT
CTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACC
AACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAG

+

FFFF:FFF:FFF,::FFF::FF:FFFF:FFFFFFFFFFFFF:,FFFF:F
FFFFFFFFF,FFFF:FFF:FFF:FF:FFFF:FF:FF::FFFFF:::,:

@A00721:190:HGJW7DSXY:4:1424:13810:15107_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAATTATTTAGAGATCTTTT
CTA

+

FFFFF:F,FFFFFF,FFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2610:15763:35994_1:N:0:TCTGCAAG+GCTGCACT
TAACGATCTCTCGGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTT
AGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACT
CAC

+

FFFFFFFFF:F:FFF:FFFFFFFFF:FFFF:F
FFFFFFFFF:FFF:F,FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2560:6976:10222_1:N:0:TCTGCAAG+GCTGCACT
GTTAGAATAGATTTAGACACTACACCCATCTCAACGAGTATAAAGCGAGTTTTCCGTCCTGAACGTAA
TACACTAATATATAATCCGAAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTT
AGA

+

F,::,F,F,,FFF::,,,:::FFFF:F:F,,F,F::,,,:FF,::,,FFFFF,::,F,F,F,::,FF:
,FFFF,F,,,,,::,F:FF,,::,FFF
FFF

@A00721:190:HGJW7DSXY:4:2246:31647:13369_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATTTTTCTATAAGGGAAATAGCAA
TAA

[illegible]

@A00721:190:HGJW7DSXY:4:1137:22092:4398_2:N:0:TCTGCAAG+GCTGCACT
ACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAG
CTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGGTTGGAGG

@A00721:190:HGJW7DSXY:4:2550:13557:10066_1:N:0:TCTGCAAG+GCTGCACT
CCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCCTTAAG
CACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTGCCTCTCACTATTTTTGCCAGAA
TGC

@A00721:190:HGJW7DSXY:4:2438:28447:20259_1:N:0:TCTGCAAG+GCTGCACT
AGGTGTCAAGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCT
CGTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGTCCAGCTGTAAC
GTC

@A00721:190:HGJW7DSXY:4:2437:10149:32503_2:N:0:TCTGCAAG+GCTGCACT
AGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGAT
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGT

@A00721:190:HGJW7DSXY:4:2650:19009:27743_1:N:0:TCTGCAAG+GCTGCACT
ACTCAACTACTCCGATCAGATCCGGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTT
GTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGA
GGG

@A00721:190:HGJW7DSXY:4:2562:16369:8422_1:N:0:TCTGCAAG+GCTGCACT
AAGTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGAGA
GGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAA
TTG

@A00721:190:HGJW7DSXY:4:2433:15347:19586_2:N:0:TCTGCAAG+GCTGCACT
ATCCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGC
TCCACTGATTTCGGAATTAGAGAAAGACGACCTTCTTGTTGGGGACTGAG

@A00721:190:HGJW7DSXY:4:1665:20708:18443_1:N:0:TCTGCAAG+GCTGCACT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAA
GACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGA
GAA

[illegible]

+

@A00721:190:HGJW7DSXY:4:1562:13937:30984_1:N:0:TCTGCAAG+GCTGCACT
ATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATC
TTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGAACCACCTTAACGTCACTCG
GTA

[illegible]

+

@A00721:190:HGJW7DSXY:4:1542:22643:1532_1:N:0:TCTGCAAG+GCTGCACT
CAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGA
ATGAAGTTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAAT
GAT

[illegible]

+

@A00721:190:HGJW7DSXY:4:1663:14416:21668_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACACAGAGGAACGTACCGATTACCTGTCTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAAGATGGGATTCTACGTAGTTT
ATG

```
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF
```

@A00721:190:HGJW7DSXY:4:2131:19723:28573_2:N:0:TCTGCAAG+GCTGCACT
GGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCAACGTCAA

CGTTCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATAT

```

FFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

TGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATC
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATA

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFFF:FF:FF,F,F
```

CTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACC
AACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAG

```
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

ATTCAAGCTTGTGTTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA

```

FFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

```

TAACGATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTT
AGAATGACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACT
CAC

[illegible]

TAGAATAGATTAGTCTCTACCCATCTCACCAGAGGATAAAGCGAGTTTTCCGTCTGAACGTAATA
CACGAATAGATCATCCGAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG
ATT

```
FF,FFF,,,FFF:F::,,,FFFF:F,,F,:,,F,F:FF,,::,,FFF:FF:,F:F,F,,,FF:::
F::,F,,:,,,FF,FF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

ATGAGGTCAAAGCTCTATTTATTAACGAACTATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAATTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAA
TAA

```
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF
```

GAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATC
TACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATT
TAC

[illegible]

FF
FFF

@A00721:190:HGJW7DSXY:4:2315:9742:22153_2:N:0:TCTGCAAG+GCTGCACT
TATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT
AGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2138:11044:21934_1:N:0:TCTGCAAG+GCTGCACT
TATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTTA
ATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAG
TAT

+

FFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFF:FFFFFFFFFF:F,FF:FF:,FFF
FFFFFFFFFFFFFFFF:FFFFFFFFF::FFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFF,
F:F

@A00721:190:HGJW7DSXY:4:2511:28926:2018_2:N:0:TCTGCAAG+GCTGCACT
CATTCACTACTCCCATACCAATCAATGATGTGACTATACAGTTCGCCATTTCAGAGTGGTCAATAC
GTCGTGGGAGGTACTGAAGCCTTCCCTCCGCTGGCACGAAGAACACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2552:2871:13322_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAG
AAA

+

F,FF::,FF:FFFFF:FFFFFF,FF:FFFFFF:,FFFFFFFF:FF:FFFF,FFFF:FFFF,FFFFFF
FFFFFFFFF:FFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2230:30861:14168_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGCTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGA
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1263:2691:25097_2:N:0:TCTGCAAG+GCTGCACT
ACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGCCGACGCTTCGAG
CTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2571:12292:23187_1:N:0:TCTGCAAG+GCTGCACT
CCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTACCCCTTAAG
CACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAA
TGC

+

FFFFFFF:FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2219:21649:27336_1:N:0:TCTGCAAG+GCTGCACT
GGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTC

GTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATTAAGAGTCCAGCTGTAAC TG
TCA

+

FFFFFF,,FFFF,FFFF::FF,F,FF,FFFF,,:FFFFFF,FF::,FF:FFFFFF,F:FFFF,F:,F,
:FFF:FF,F:,F:FF::FFF:FFF,FFFFF,:FFFF:FF:,FFFF:FFF:::FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2650:4960:34162_2:N:0:TCTGCAAG+GCTGCACT
AGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGAT
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGAGGAGGGAGGTTGT

+

:FFFFFF,FFFF:F:FFFFFFFFFFFF,FFFFF::FFF:FFFFFFFFFFFFFFFF:FFFFFFFF,FFFFF:FF
FFFFFFFF:FFFFFFFF:FFFFFFFF::F:F:F:FFFF,FF:FFFF:,FFF

@A00721:190:HGJW7DSXY:4:2372:17101:6558_1:N:0:TCTGCAAG+GCTGCACT
ACGTGTGCTCTTCCGATCTCCGATGGTTTGATTGGTATGGACTACTCGACTTTTGATCTGGAGTTGT
CTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATATGCAGGTCAAAGATTCTGTAGCTCTGAGG
GCG

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1108:17354:13291_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGAGA
GGTGATCCCGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAA
TTG

+

FF
FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1139:15103:19977_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACGTCTC
CACTGATTCCGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGAC

+

FF
FF:FFF

@A00721:190:HGJW7DSXY:4:1665:20772:18427_1:N:0:TCTGCAAG+GCTGCACT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAA
GACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGA
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1208:16504:20870_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGA
CGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGAATTCGAGAGAGGACA
CTA

+

FF
FFFFFFFFFFFFFFFF:FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2402:25491:36432_1:N:0:TCTGCAAG+GCTGCACT
ATCGAGGACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATC
TTCTACTGTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCCTGGAACCACCTTAACGTCACTCG
GTA

[illegible]

@A00721:190:HGJW7DSXY:4:2615:7808:15139_2:N:0:TCTGCAAG+GCTGCACT
CATTCACTACTCCCATAACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAGAGTGGTCAATAC
GTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2606:16929:22921_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAG
AAA

+

FF:FF
FFFFFFFFFFFFFF,FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2320:29071:3897_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCTTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGA
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1331:28818:28354_2:N:0:TCTGCAAG+GCTGCACT
ACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAG
CTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGG

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2603:21377:12649_1:N:0:TCTGCAAG+GCTGCACT
CCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCTTAAG
CACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAA
TGC

+

FFFFFF:FFFFFFFFFFFFFF,FF
FFFFFFFFFFFF:FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2442:31566:34961_1:N:0:TCTGCAAG+GCTGCACT
GGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTC
GTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAACGT
TCA

+

FFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1219:31051:3223_1:N:0:TCTGCAAG+GCTGCACT
AGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAACAAGGAT
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TC

+

FFFFF,FFFFF,F:FFFFF,FF:, :FFFFFFFFF:FFFFFFFFFFFFFF:FF,:F:FFF,,,,:F:
,F,:FF,,FFFFF:F:FFF:FFFFFFFFFFFFFF:FF:FFF:FFFFFFFFF:FFFFFFFFFFFF,FFFF
FF

@A00721:190:HGJW7DSXY:4:1610:7310:18411_2:N:0:TCTGCAAG+GCTGCACT
TGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAAT

ATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTT

+

FFFFFFFF:FF,F::FFFFFFFFFFFFFFFF,FFFF,FFFFFFFFFFFFFFFF,FFFF:FF:::FFFFFF:
FFFF,FFFFFF:F:FFFFFFFFFFFFFFFF,F:FF,,FFFF:FF:FFFF

@A00721:190:HGJW7DSXY:4:1624:18584:35712_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGAGA
GGTGATCCCGGATGTGGATTGAAGGCTGGCCCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAA
TTG

+

FFFFFFFF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1221:14543:8829_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACGTCTC
CACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGAC

+

FF
FFFFF:FFF:FFFFFF,FF:FF

@A00721:190:HGJW7DSXY:4:2253:32642:27899_1:N:0:TCTGCAAG+GCTGCACT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAA
GACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGA
GAA

+

FFFFFFF:FFFF:FFFFFF,FFFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1235:32479:36323_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATCTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGA
CGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGACA
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2326:20283:13792_1:N:0:TCTGCAAG+GCTGCACT
ACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACT
GTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGAACCACCTTAACGTCACTCGGTAATCT
TTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2333:31403:2581_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTCTTGTGAAAATTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTATGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FFFFFFFFF:FF:FFFF:FF
:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2234:32398:8876_1:N:0:TCTGCAAG+GCTGCACT
CAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGA
ATGAAGTTTAAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAAT
GAT

+
FFFFF:FFFF:FFFFFFFF:FF:FFFFF
FF:FFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2351:27850:1752_1:N:0:TCTGCAAG+GCTGCACT
GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAA
GCGATGGATCGGGGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTAACATTGTACGATG
TCG
+
FF: F
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF::FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2272:30472:19288_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG
+
FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2416:12509:36620_2:N:0:TCTGCAAG+GCTGCACT
GGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCGAACGTCAA
CGTTCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATAT
+
FF:FFFFFFFF:F,F,FF:F:FF,F,F::,FFFFFFFFF:F:FF,FFFFFFFF:FF:F:FFFF::FFF
::FF:FF,F:FFFF:,F:F,FFFF,FFFFFFFFF,,FFFFFF
@A00721:190:HGJW7DSXY:4:1309:19696:19727_1:N:0:TCTGCAAG+GCTGCACT
TGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATC
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATT
ACA
+
FFFFFFFFFFFF:FF:FF
FFFFFFFFFFFFFFFFFFFFFFFF: F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1406:22146:13667_1:N:0:TCTGCAAG+GCTGCACT
CTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACC
AACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAA
TG
+
FFFFFF:FF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFF:FFF:FFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFF:FFFFFF:FF,FF:FFFFFF
::
@A00721:190:HGJW7DSXY:4:1554:28158:23923_1:N:0:TCTGCAAG+GCTGCACT
ATTCAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA
+
FFFFFFF:FF
FFFFFF:FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1350:1777:5353_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTGCTTAACTGTCGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT
+

@A00721:190:HGJW7DSXY:4:2261:3314:34100_1:N:0:TCTGCAAG+GCTGCACT
GTGCTCTTCCGATCTCTCTACCCCATCTCACCAGAGATAACGCGAGTTTTCCGTCCTGAACGTAATA
CACGAAGAGATCATCCGCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG
ATT

```
+
:FF,F:F,F,,F:::,::,,F,FF,,,,,:::,:::,:::,F:,F:,,,FFF,F:,FF,F,F,,,F:,
:::,F:,,,::,F,FF:F,F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

@A00721:190:HGJW7DSXY:4:2270:28420:1329_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAAC TTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAA
TAA

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFF
```

@A00721:190:HGJW7DSXY:4:2416:17219:36918_1:N:0:TCTGCAAG+GCTGCACT
GAACTCTCTCCGATCACCTTGGTGTGATCTCCCTGAGGATCTTTTCAATAAGATGTATGATGATAATC
TACTATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATT
TAC

```
+  
FF,,FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFF,F:FF:FFFFFF:,::FF:FFF:FFFFFFF:FFF:  
FF:FFFF:FFFFFFFFFFFFFFFFFFFF,FFF,FFFFF,FFFFFF:F:FFFF,F:FFFF,F:FFF:F,FFFF  
FFF
```

@A00721:190:HGJW7DSXY:4:2413:19434:14951_2:N:0:TCTGCAAG+GCTGCACT
TATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATACTTGACTGTTGATAATATTACAAT
AGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAG

```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:F:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF

```

@A00721:190:HGJW7DSXY:4:2256:4788:19648_1:N:0:TCTGCAAG+GCTGCACT
TATCGCCTTTATTGAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTTA
ATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAG
TAT

```
+
FFFFFFFF:FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FF,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:F:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFF
```

@A00721:190:HGJW7DSXY:4:1627:23312:25989_2:N:0:TCTGCAAG+GCTGCACT
CACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGG
GAGGTACTGAAGCCTTCCCCTCCGCTGGCAGGAAGAACTCCCAAGC

```

+
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:
FFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

@A00721:190:HGJW7DSXY:4:2621:20202:6104_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAG
AAA

```
+  
FFF:FFFFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFF  
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF
```

@A00721:190:HGJW7DSXY:4:2321:31015:7952_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCTTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGA
CGA

+

FF:FFF:
FF
FFF

@A00721:190:HGJW7DSXY:4:1348:20654:27774_2:N:0:TCTGCAAG+GCTGCACT
ACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAG
CTTGAGTGTGACGAGGCCGGTGACGTTTTGTCAACGGCGTTTGAGG

+

FF:FFFFFFFF,FFF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFF

@A00721:190:HGJW7DSXY:4:2603:22299:14591_1:N:0:TCTGCAAG+GCTGCACT
CCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCCTTAAG
CACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAA
TGC

+

FFFFF:FF:FFF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2671:21305:15781_1:N:0:TCTGCAAG+GCTGCACT
GGTGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTC
GTATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAACGT
TCA

+

FF
FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1646:29089:26976_1:N:0:TCTGCAAG+GCTGCACT
AGGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGAT
TATTTGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAA
TC

+

FF:FF:FFFF:FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF
FF:FFFFF
FF

@A00721:190:HGJW7DSXY:4:1616:14443:5494_2:N:0:TCTGCAAG+GCTGCACT
TGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAAT
ATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGATCGG

+

FF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2406:7238:17002_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTTGATCATGGAGTCTTGTACCTTCTGTCAAACCTCGAGGTTACAGCTACGAGA
GGTGATCCCGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAA
TTG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1276:3088:26256_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTC

CACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGAC

+

FFFFFFFFFFFF,FFFFFFFFFFFF:FF:FFFFFFFFF:FFF
FFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2368:13096:21605_1:N:0:TCTGCAAG+GCTGCACT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAA
GACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGA
GAA

+

FF:FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1263:30282:23218_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGGCCGA
CGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACA
CTA

+

FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2364:30156:33833_1:N:0:TCTGCAAG+GCTGCACT
ACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACT
GTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTCTGGAACCACCTTAACGTCACTCGGTAATCT
TTC

+

FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2333:9191:16313_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FF:FF
FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2526:32877:18411_1:N:0:TCTGCAAG+GCTGCACT
CAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGA
ATGAAGTTTAAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAAT
GAT

+

FF:FFFFFFFF:FF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2466:23321:29356_1:N:0:TCTGCAAG+GCTGCACT
GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTGAGGAGGATTCTCAGTTTACAAGGACCTTAA
GCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAAACCATTGTACGATG
TCG

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2337:8522:4852_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACC

TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG

+

FFFFFFFFFFFFFF:FF
FF,FF
FFF

@A00721:190:HGJW7DSXY:4:2467:20898:17581_2:N:0:TCTGCAAG+GCTGCACT
GGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCGAACGTCAA
CGTTCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATAT

+

FFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FF
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1336:20799:32221_1:N:0:TCTGCAAG+GCTGCACT
TGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATC
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATT
ACA

+

FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2219:16288:6402_1:N:0:TCTGCAAG+GCTGCACT
CTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACC
AACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAA
TGA

+

FF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1557:11586:11851_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA

+

FFFFFFF:FFFF:FF
FF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1433:23637:15969_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT

+

FFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2271:3305:30639_1:N:0:TCTGCAAG+GCTGCACT
GTGCTCTTCCGATCTCTCTACCCCATCTCAACGCGGATAAAGCGAGTTTCCGTCCTTAACGTAATA
CACGACGAGATCACCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG
ATT

+

FF,:,F,F:,F,F,F,:,:F,FFFF,F,:,:,F,F,FF,:,,,FFF,FF::F,:,F,:,F::,
F,F,F,,,,,:,:,FF::F,FF
FFF

@A00721:190:HGJW7DSXY:4:2306:5565:27633_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACGACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATTTTTCTATAAGGGAAATAGCAA
TAA

+
FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FF,F,F,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:2527:30969:14857_1:N:0:TCTGCAAG+GCTGCACT
GAACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATC
TACTATTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATT
TAC
+
:FFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2457:10990:16861_2:N:0:TCTGCAAG+GCTGCACT
TATGATATTTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAAT
AGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAG
+
FFFFFFFFFFFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2451:1859:29011_1:N:0:TCTGCAAG+GCTGCACT
TATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTTA
ATTGATTGAAGCTAGGCGTTGGGGAGAATGAAGTGCCTTCCCGGAAGAAACGATCTATTTACAGAG
TAT
+
FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1647:7102:36245_2:N:0:TCTGCAAG+GCTGCACT
CACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGG
GAGGTACTGAAGCCTTCCCTCCGCTGGCACGAAGAACTCCCAAGC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2631:15573:13369_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGAATAAG
AAA
+
:FF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2355:1985:2644_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCTTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGA
CGA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2204:16125:16642_2:N:0:TCTGCAAG+GCTGCACT
ACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAG
CTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTGTGGAGG
+
:FFFFFFFFFFFFFFFFFFFFFFFFF:,FFFF,F:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF,FFFFFFFFFFFFF:FFF:FFFFFFF:,FFFFFFF

@A00721:190:HGJW7DSXY:4:2612:1561:9267_1:N:0:TCTGCAAG+GCTGCACT
CCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTACCCCTTAAG
CACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAA
TGC

+

FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2340:14516:16141_1:N:0:TCTGCAAG+GCTGCACT
TGTCAAGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGT
ATCGAGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGATTAAGAGTCCAGCTGTAAGTGC
ATT

+

FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2218:29243:15280_1:N:0:TCTGCAAG+GCTGCACT
AGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCATGTGGAGAGTCCAGAAGTTGATGAAGAATGAT
TATTTGAAGCAGGGGTTACCACTTCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTAGATAA
TC

+

FFFFF,FFFF,,FFFFFFFF::FFF,F:FFF,:FFF:,F:F,FF:FFF,FFF,FFFFFFFF:FF:,FFF
FF::,F,FFF:F:F,,FFFF,FFF:FF:F,FFFFFFFF:FF,F:FFFF:FFFF,F,F:FFFFFFFF:
FF

@A00721:190:HGJW7DSXY:4:1653:28013:30937_2:N:0:TCTGCAAG+GCTGCACT
TGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAAT
ATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTT

+

:FFFF,,FFFFFFFF,FFFFFFFFFFFF,F::F:FFF::FFFF,::F,FFFF:F:FFFFFFFF:FF:FF
FFFFFFFF:FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2416:18394:25207_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACAGTACGAGA
GGTGATCCCGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAA
TTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1306:3794:35556_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGACATTATTTCAACGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTC
CACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGAC

+

FF
FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2463:25907:3865_1:N:0:TCTGCAAG+GCTGCACT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAA
GACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGA
GAA

+

FFFFFFFFF:FFFFFFFFF,FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1306:14064:29763_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATCTTGATGAGTGTCTTCTATCGAAGTCTCAGTTATCGCTGCCCGGCCGA

CGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACA
CTA

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2605:21784:36276_1:N:0:TCTGCAAG+GCTGCACT
ACGATGAGTATCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACT
GTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGAACCACTTAACGTCACTCGGTAATCT
TTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2357:19596:15076_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FFFFFFFFF:F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2551:30092:2315_1:N:0:TCTGCAAG+GCTGCACT
CAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGA
ATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAAT
GAT

+

FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2624:26259:16971_1:N:0:TCTGCAAG+GCTGCACT
GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTGAGGAGGATTCTCAGTTTACAAGGACCTTAA
GCGATGGATCGGGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAACCATTGTACGATG
TCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2355:19849:23375_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACC
TTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG

+

FFFFFFF:FFF,FFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2515:24406:7623_2:N:0:TCTGCAAG+GCTGCACT
GGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTCGAACGTCAA
CGTTCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTCGTCAATAT

+

FFFFFFFFFFFFFFF:FFFFFF,FF::,FF
FF

@A00721:190:HGJW7DSXY:4:1515:29821:24424_1:N:0:TCTGCAAG+GCTGCACT
TGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATC

TCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATT
ACA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2343:3070:10285_1:N:0:TCTGCAAG+GCTGCACT
CTAGTTCGAGTGCTGCTTTGGATTACGATGACGTGAGAATAGGTGAAGGGATAGTTTTTACCTCGACC
AACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAACTGAATAA
TGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1557:9200:14387_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA

+

:FFFFFF:FF:
FFF:FF:
FFF

@A00721:190:HGJW7DSXY:4:1466:17372:10723_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT

+

FFFFFFFFFFFFFFFFFFFF:FF:FF
FF:FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1223:10465:31829_1:N:0:TCTGCAAG+GCTGCACT
ATAATAGATTTAGTCAATACACCAATCTCAACTAGGATAATGCGTGTTTTCCGACCTTAACCTAATAC
CCTATCAGATCACCCGCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGA
TT

+

: ,F,F,, :FF: , , , , ,FF: , , , , ,F:F: , , , , , , , ,F,,F,, , , ,FF,,FF,, : ,F,F,, , , ,F,, ,
 , , , : , , ,F,, , ,F: ,FF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2331:26530:4225_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAA
TAA

+

:FFF,F:FFFF,FFFFFFFFFFF:FFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FFFF, :FFF:FFFFFFFFFFFFFFFFFFFF,FFFFFF,FFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFF,FFF
FFF

@A00721:190:HGJW7DSXY:4:2610:12753:26209_1:N:0:TCTGCAAG+GCTGCACT
GAACTCTCTCCGATCACCTTGCTGTGATCTCCCGAGGATCTTTTCAATAAGATGTATGATGATAATC
TACTATTTTAAATAGTGATATTACGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATT
TAC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2205:14669:5729_1:N:0:TCTGCAAG+GCTGCACT
TTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTT

CTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTG
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2470:3568:20134_1:N:0:TCTGCAAG+GCTGCACT
TATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTA
ATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTCCCGGAAGAAACGATCTATTTACAGAG
TAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1660:9760:5368_2:N:0:TCTGCAAG+GCTGCACT
CACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGG
GAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2662:19949:1438_1:N:0:TCTGCAAG+GCTGCACT
CTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAG
GACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGGGAATAAG
AAA

+

FF
FF
F,F

@A00721:190:HGJW7DSXY:4:2410:21124:28870_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCAATTAAGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGA
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2405:21459:8970_2:N:0:TCTGCAAG+GCTGCACT
ACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGCCGACGCTTCGAG
CTTGAGTGTGACGAGGCCGGTGACGTTTTGTCAACGGCGTTTGGAGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2629:3694:3161_1:N:0:TCTGCAAG+GCTGCACT
CCTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAG
CACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAA
TGC

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1212:6415:11851_2:N:0:TCTGCAAG+GCTGCACT
AGGGTCTTCTTCATGATGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGA
GTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATTAAGAGT

+

F,,FFF,,:F:,F:F,::FF,F::FF,FFF:FFF,:F:F,FF:,F,F,FFF:FFF,FF,:F,F,F:FF
F,FF,,,FFFF,FFFFFF:,F:FFFF,FFFF,,:F:,F,:F:FF:FF
@A00721:190:HGJW7DSXY:4:2658:30734:18677_1:N:0:TCTGCAAG+GCTGCACT
AGGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGAT
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTGTAGATAA
TC

+
FFF,FFFFFFFF:FFF:,F,FF,F:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFF:FFF
FF::FFFF:FFFFFFFFFFFF:FF:FF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:2673:8666:34413_2:N:0:TCTGCAAG+GCTGCACT
TGGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAAT
ATGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTT

+
FF
FF

@A00721:190:HGJW7DSXY:4:2611:29161:9345_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTTGATCATGGAGTCTTGTACCTTCTGTCAAACCTCGAGGTTTCAGCTACGAGA
GGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAA
TTG

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1455:24704:7106_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTC
CACTGATTCCGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGAC

+
FF
FF

@A00721:190:HGJW7DSXY:4:2547:16369:7889_1:N:0:TCTGCAAG+GCTGCACT
CAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAA
GACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAGCGAGCGGTTGAAGA
GAA

+
::FFFFFFFF:FF
FF:FFFFFFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1319:18050:15812_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGA
CGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGACA
CTA

+
FFFFFF:FFF:FFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFF,FFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1340:19425:31469_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACT
GTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGAACCACTTAACGTCACTCGGTAATCT
TTC

+
FFFFFFF:FFFF,FF:F
FFFFFFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2363:3152:24831_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

:FF
FF:FF,FF
FFF

@A00721:190:HGJW7DSXY:4:2632:14859:21997_1:N:0:TCTGCAAG+GCTGCACT
CAGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGA
ATGAAGTTTAAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAAT
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1576:18756:34757_1:N:0:TCTGCAAG+GCTGCACT
TGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCG
GGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAAAACCATTGTACGATGTCGTCTGTCTC
GGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2418:13621:29590_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2618:30291:9455_2:N:0:TCTGCAAG+GCTGCACT
GGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAA
CGTTCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTTCGTCAATAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1604:31801:36965_1:N:0:TCTGCAAG+GCTGCACT
TGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATC
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATT
ACA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2570:22354:13369_2:N:0:TCTGCAAG+GCTGCACT
ATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACC
CAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1566:17725:21449_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA

GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAAATTATTTAGAGATCTTTT
CTA

+

FFF:
F:FFF
FFF

@A00721:190:HGJW7DSXY:4:1574:24216:5165_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT

+

FFFFFFFFFFFFFFF:FFF,FFFFFF
FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1302:21992:17754_1:N:0:TCTGCAAG+GCTGCACT
ATAATATATTTAGACTCAAAACCCATCTCACCGCGGAAACGCGTTTTTCCGCCCTGAACTAAAAAC
ACTACGATATCACCCGCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGA
TT

+

: ,F,F,: ,:F: , , , : , , ,F , ,F: , , , , , ,F , , ,F,F: , , , ,FF: ,F,F,F,F,: , , ,FF: ,F
: , ,F , , ,F , , : ,FF: , : FFFFFFFFFF,FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFF:F:FFFF
FF

@A00721:190:HGJW7DSXY:4:2371:27245:17613_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAATAGCAA
TAA

+

FFFFFFFFFFFFFFFFF:FFF:FFFFFF,FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1159:2211:36166_1:N:0:TCTGCAAG+GCTGCACT
AACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCT
ACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTGGCTTGGTCTATTT
ACC

+

FFF:FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2210:23285:13949_1:N:0:TCTGCAAG+GCTGCACT
TTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTT
CTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTG
AAA

+

: ,FF:FFFFFFF:FFF: ,FFFFFFFFFFFFF:F:FFFF: ,F:FFFFFFF:FF:FFFF:FFFFFFFFF
F:FFFFFF:FFFFFFFFFFFFF:FFF: ,FFFFFFF:FFFFF:FFFFFFFF: ,FFFF:FFFFFFFFF: ,F
FFF

@A00721:190:HGJW7DSXY:4:2607:29984:23547_1:N:0:TCTGCAAG+GCTGCACT
TATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCGAAGGAATCTTA
ATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAG
TAT

+

FFFFF: ,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1665:3405:8609_2:N:0:TCTGCAAG+GCTGCACT
CACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGG

GAGGTAAGCCTTCCCCTCCGCTGGCACGAAGAACAACACTCCCAAGC

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFF:FFFF:FFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1571:32099:1470_1:N:0:TCTGCAAG+GCTGCACT
TCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGG
ACCTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGAATAAGA
AA

+

FFFF:F,FFFF:FF:FF:FFF:FF:FFFFFF,:FFF:FFFFFFFFF::FFFF::FFFFFF,FFFF
:FF,F:F,,FFFFFFFF:FFFFFFFF:FFFF:FFFFFFFF,FFFFFFFFFFFF:FFFFFF,FFFFFF
FF

@A00721:190:HGJW7DSXY:4:2410:21386:28855_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGA
CGA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1178:24026:36683_2:N:0:TCTGCAAG+GCTGCACT
GGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTT
TAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGTAGGATT

+

F,FFFFFFFF:F,F:FF:FFF,F:FF::FFFF:FFF:,F,::FFFF,F:F,FFF,,F:FFFF,
,F:,F:F,FFF:F,:F::F,,FFF:,FFFF:F:FFFF:,F,FF:F

@A00721:190:HGJW7DSXY:4:1421:13006:18098_2:N:0:TCTGCAAG+GCTGCACT
CTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCTTAAGC
ACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1371:14145:10457_2:N:0:TCTGCAAG+GCTGCACT
AGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGA
GTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2676:6876:2347_1:N:0:TCTGCAAG+GCTGCACT
AGGCTCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGAT
TATTTGAAGCAGGGTTACCACTTCTTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TC

+

FF,FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFF:,F:FFF
FFFF:F,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1112:31937:8296_2:N:0:TCTGCAAG+GCTGCACT
GGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATA
TGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTT

+

FFFF:FF
FFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2624:18936:27524_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTCCGATCTTGATCATGGAGTCTTGTACCTCTGTCAAACCTTCGAGGTTTCAGCTACGAGA

GGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAA
TTG

+

FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1457:30816:29966_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTC
CACTGATTCCGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGAC

+

FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1317:29912:27993_2:N:0:TCTGCAAG+GCTGCACT
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGAC
CAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAAC

+

FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFF:F

@A00721:190:HGJW7DSXY:4:1476:28971:4758_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGA
CGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGACA
CTA

+

FFF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFF:F:FFFFFFFF:FFFFFF::FF
FFFFFFFFF:FFFFF,FFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1468:5692:32988_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACT
GTCTCTGCCTTCCAAGATTTCTGTAGAAGAGGTTATTCTGGAACACCTTAACGTCACTCGGTAATCT
TTC

+

FFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF,,FFF
FFF

@A00721:190:HGJW7DSXY:4:2405:20853:29622_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FFFFFF:FFFFFFFFF:F:FFFFFFFFFFFF:FFFFF::FFFFFFFFFFFFFFFFFFFF:F
FF:FFFFFFFFFFFF:FFFFFFFFF::FFFFFFFFFFFF:FF,FFFF:FFF:FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1666:12445:8672_1:N:0:TCTGCAAG+GCTGCACT
AGCAGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAA
TGAAGTTTAAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATG
ATG

+

FFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FF:FFFFFF:FFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1673:6415:15890_1:N:0:TCTGCAAG+GCTGCACT
TGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCG
GGGTAAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAAAACCATTGTACGATGTCGTCTGTCTC
GGC

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2526:16767:34162_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACACTACAGAGGAACGTACCGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTTCAAGATGGGATTCTACGTAGTTT
ATG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2659:11315:25661_2:N:0:TCTGCAAG+GCTGCACT
GGAGTTTTTACGGGATCCGGAATGTTCTGTCTATATTAGGTGAAGCGAAATACGATTTTGAACGTCAA
CGTTCACCGAGTTTCGTTTCGTACCTTGATGCTGACTTTTCGTCAATAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2156:9173:25958_1:N:0:TCTGCAAG+GCTGCACT
TGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATC
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATT
ACA
+
FF
FFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2628:17517:12915_2:N:0:TCTGCAAG+GCTGCACT
ATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGCGCGGCGACTAATCTTAAAGCTTCACC
CAAATGAAGGACACTTCGAAACTGAATAATGATGCACAGATCGGAAG
+
FFFFF:FF
FFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1606:14959:2284_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2107:32154:26553_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1145:14461:22091_1:N:0:TCTGCAAG+GCTGCACT
AATAGATTTTCGTCTATACACCCATCTCAACGCGTATAACGCTTTTTTTCCGTCCTGAACGTAATACAC
GAATATAACATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT
+
F::,,F::,,:,,,F:FFF,,,,,F:F::,,F,FF,,::,,,FFF,F,F,F,:F,,,F::,FF:
,F,,::,,F,FF,,F,FF
@A00721:190:HGJW7DSXY:4:2425:18783:29262_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGAT

CTGCCGACTTTAGTCAAGGAACTTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAA
TAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1249:21052:16344_1:N:0:TCTGCAAG+GCTGCACT
AACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTCAATAAGATGTATGATGATAATCT
ACTATTTTAAATAGTGATATTACAGCGTATACTTGAATACTTTATCAAAGATTGGCTTGGTCTATTT
ACC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2349:23475:10895_1:N:0:TCTGCAAG+GCTGCACT
TTATTTTACTTATACTTTAAATAGCACCGATTATAAATTGACTGTTGATAATATTACAATAGCTCTTT
CTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTG
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2657:17526:33943_1:N:0:TCTGCAAG+GCTGCACT
TATCGCCTTTATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTA
ATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTCCCGGAAGAAACGATCTATTTACAGAG
TAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2421:30228:19460_2:N:0:TCTGCAAG+GCTGCACT
CACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGG
GAGGTACTGAAGCCTTCCCCTCCGCTGGCAGCAAGAACTCCCAAGC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1307:9552:30561_2:N:0:TCTGCAAG+GCTGCACT
TAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGAC
CTAAGAAGGGGAAATTACCCCTAATTCTGAAGAGATCGGAAGAGCGTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2413:22227:34068_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCAATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGA
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1469:11740:7889_2:N:0:TCTGCAAG+GCTGCACT
GGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTT
GAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATT

+


```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1470:5791:25113_2:N:0:TCTGCAAG+GCTGCACT
CTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGC
ACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTC
+
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:
@A00721:190:HGJW7DSXY:4:2115:26802:22858_2:N:0:TCTGCAAG+GCTGCACT
AGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGA
GTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGT
+
FF:FFFFF:FFFFFFFFF,FFFFFFFFFFFF,FF:F,FFFFF,FF::FFFFFFFFFFFFFFFF,FFFFF:F
,F::FF:FFFF,F,FFFFFF,FFFFFFFF:F:FFF:FFF:FFF:FFFFF
@A00721:190:HGJW7DSXY:4:1212:6415:11851_1:N:0:TCTGCAAG+GCTGCACT
GGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATT
ATTTTAAGCAGGGGTTACCACTTCATAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAAT
CTT
+
:F,F,F:FF,FFFFFFFFF:FF:FFFF,F,:F:FF,FF:FF,FFF,:FF,F,FF,FF,FFFFF::FFF
FFFF,FF,F,F,FFFFFF:FFFF,FF,:,:FFFFFF:,FFFF,FF,FFFFFFFFFFFFFFFFFFFF,FFFF
,FF
@A00721:190:HGJW7DSXY:4:1209:9091:36401_2:N:0:TCTGCAAG+GCTGCACT
GGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAATA
TGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTT
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF:F,FFFFFFFFFFFFFFFF
FFF:FFF:FFFF:F:FF:FFFFFFFFFFFFFFFF:FFFF:FFFF,
@A00721:190:HGJW7DSXY:4:1173:26539:6026_2:N:0:TCTGCAAG+GCTGCACT
GTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGAGAGG
TGATCCCGATGTGGATTGAAGGCTGGCCAGATCGGAAGAGCGTCGTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1533:9869:11287_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGACATTATTTCAACGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTC
CACTGATTTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2211:14507:31782_2:N:0:TCTGCAAG+GCTGCACT
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGAC
CAGAAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGAAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1607:12219:16485_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGA
CGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCTGCTTGTAAATTCGAGAGAGGACA
CTA
+
FFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

```
+
FF,F,,,FF:F,,,FFF,FF,F:,,,F,F,FFF,FF,,FFF,F,F:FF,:,,,F,,F:F:FFFFFFFFF
,FFF,F:F,FFFFFF,,,,FF:,FF,:F:FFFF,FF:FFFF:,,F,,FFF,:F:FFFFFFFFF:,:FF:,
:F:
```

```
+
FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFF,FFFF:FF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFF,F:FFFFFFFF::F,:FF
```

```
+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

```
+
FFFF:FFFF,F::FFF:F:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFF
FFF
```

[illegible][illegible]

@A00721:190:HGJW7DSXY:4:1642:5294:11788_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCTGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAAATTATTTAGAGATCTTTT
CTA

+
FFFFFFF:FFFF:FFF,
FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2138:14841:25661_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTACAGACACTTCTTATATTATTTACAATAGTTAATAT

+
FF:FFFFFFF,FFFF:F,FFF,
F:FFF

@A00721:190:HGJW7DSXY:4:1571:8956:12680_1:N:0:TCTGCAAG+GCTGCACT
AATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGATTTTTCCGTCCTGAACGTAATACAC
GAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT

+
:FF,: ,FFF:FF,F:F:F:FF,: ::FF:F,: ,F::FFF,FF,,,FFFFFFF,FF:F,FF::FFF:,FFF
:F,:F,F:FF:FFF:FF:FFF

@A00721:190:HGJW7DSXY:4:2511:31485:29966_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAAACGAACACTATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAA
TAA

+
FFFF:F,FF
FFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2114:20283:25974_1:N:0:TCTGCAAG+GCTGCACT
AACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCT
ACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTGGCTTGGTCTATTT
ACC

+
FFF,FF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2377:20835:13056_1:N:0:TCTGCAAG+GCTGCACT
TTATTTTACTTATACTTTAAATAGCACCGATTATAAATTGACTGTTGATAATATTACAATAGCTCTTT
CTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTG
AAA

+
FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1272:16604:6574_1:N:0:TCTGCAAG+GCTGCACT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAA
GCTAGGCGTTGGGGAGAATGAAGTCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTAGAGT
AGT

+
FFFFFFFFFFFFFFFFF,FFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFF, :FFF:FFFF:FF:FFFFFFFF,FFFFFF
F,FFFFFFFFF:FFFFFFFFF: :FFFFFFFFF:FFFF:FFFF:FFFFFFFF:FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2535:7609:30890_2:N:0:TCTGCAAG+GCTGCACT
ACTCCCATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGG

AGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCACGCC
+
FFFFFFFFFFFFFF:FFF:FFF,FFFF:FFFFFF:FFFFFFFF:FF,FFFFFFFFFFFFFF:FFFFF
FFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1339:29803:8766_2:N:0:TCTGCAAG+GCTGCACT
TAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGAC
CTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCAT
+
FF:FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2413:22580:33207_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCTTAAGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGA
CGA
+
FF:FFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFF:F
FFFFFFFFFFFFFFFFFFFFFF,FFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1561:19976:26663_2:N:0:TCTGCAAG+GCTGCACT
GGCGACAAAGTGAAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTT
GAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1503:23402:16157_2:N:0:TCTGCAAG+GCTGCACT
CTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTACCCCTTAAGC
ACCGAGGTAAGCTCGCGACTTACAAGAGAGAGTGTGAGAGAGTCGCTC
+
FFF:,::FFF:,FF:F::FFF,FFFFFFFFFFFFFFFF,F,FFFFFFFFFFFFFFFF,FF:FFFFFF::
:,FFF,F:F:,FFF,,FFF,FFFFFF::FFF,,,F:F:FF,FFFF
@A00721:190:HGJW7DSXY:4:2368:18683:35102_2:N:0:TCTGCAAG+GCTGCACT
AGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGA
GTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATTAAGAGT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1371:14145:10457_1:N:0:TCTGCAAG+GCTGCACT
GGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATT
ATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAAT
CTT
+
:FFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F
FFF
@A00721:190:HGJW7DSXY:4:1328:5448:31751_2:N:0:TCTGCAAG+GCTGCACT
GGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATA
TGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTT
+
FFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:F:FFFFFF:FFF,FFF:FF
FFFF:FF:FF,FF:FFFFFFFF:FFF:FF:FFF,FFF,::F,FF:F:F
@A00721:190:HGJW7DSXY:4:1311:17580:2409_2:N:0:TCTGCAAG+GCTGCACT
GTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAAGTTCGAGGTTACAGCTACGAGAGG
TGATCCCGGATGTGGATTGAAGGCTGGCCAGATCGGAAGAGCGTCGTG
+

F:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FF:FFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,F
@A00721:190:HGJW7DSXY:4:1643:30707:18630_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTC
CACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGAC
+
FF:FFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2313:22589:4288_2:N:0:TCTGCAAG+GCTGCACT
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGAC
CAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAAC
+
FFFFFFFFFFFFFF::F:FFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:
FFFF::FFFFFFFFFFFF:FFF,FFFF, :FFFFFFFFFFFF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1669:32633:4711_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGA
CGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACA
CTA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2474:5900:14372_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCTTGAAGTTGTTGACGACAAGCCTCAAGAGGTAGAGGACCACCTGGATCTTCTACT
GTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGAACCACCTTAACGTCACTCGGTAATCT
TTC
+
F:FFFFFFFF, :F,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFF:FFFF,FFFFFFFF:FF
FF:FFFFFFFF::,F::FF,F,,FFFFFFFFFFFFFFFFFFFFFFFF, :F,FF:FFF:FFFFFFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:2474:31485:24486_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG
+
FF
FF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1471:15365:22060_2:N:0:TCTGCAAG+GCTGCACT
AGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCAATGA
AGTTTTAATGCTTAACAGATCGGAAGAGCGTCGTGTAGGAAAGAGTG
+
FF
FF:FF
@A00721:190:HGJW7DSXY:4:2341:24487:28244_1:N:0:TCTGCAAG+GCTGCACT
TGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCG
GGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAAACCATTGTACGATGTCGTCTGTCTC
GGC
+
F:FFF,FFFFFFFF:FFF:FFFF:FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2620:12744:2206_1:N:0:TCTGCAAG+GCTGCACT
CAAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGATTACCTGTCTTTCATATTATGAATGAACC

TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2424:21332:8375_1:N:0:TCTGCAAG+GCTGCACT
TGATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATC
TCCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATT
ACA

+

F,F,FFFF:FFF::FFFF:,,:F:FFFF:FFF,F:FFFFFF:FF::,FF,FF::,FFFFFFFF
F:FF:FFFFFFFF:F:,FFFF,FFFFFFFFFFFFFFFFFFFF,FFFFFFFFF,FFFF::F:FFFFFF:
F,F

@A00721:190:HGJW7DSXY:4:1108:1750:24439_1:N:0:TCTGCAAG+GCTGCACT
ATAGTTGAAGGGATAGTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACC
CAAAATGAAGGACACTTCGAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAA
AGG

+

FFFF,FFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFFFFFF:FF:
:FFF:F:FFFFFFFF:FF:FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2113:19877:30843_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAATTATTTAGAGATCTTT
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2307:24379:34287_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT

+

FF:
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2150:7563:17409_1:N:0:TCTGCAAG+GCTGCACT
AATATTTTTAGTCTCACCACCATCTCAACGAGGATAAAGCGTTTTTCCGTCCTGAACGTAATACAC
TAATAGATCATCCGCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT

+

F,::,FFF,,::,,,,,FFF,,::,,F,,,,,F:F:,,::,,FFF,F,,,F,F,F,,,,FF:,,,:
,F,,::,,F,FF,FF,FFFF:FF

@A00721:190:HGJW7DSXY:4:2545:28863:27273_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATTTTTCTATAAGGGAAAATAGCAA
TAA

+

:FFFF:FFF:FF:F:FFFFFFFFF,FFFF:FFFF
FFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:2427:11840:12038_1:N:0:TCTGCAAG+GCTGCACT
AACTCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCT
ACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTT
ACC

+
FFFFFFFFF,FFFFFFFFFFFFFFFF:FFF::FFFFFFFF:FFFFFFFFFFFFFFFF:FFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2412:18493:34710_1:N:0:TCTGCAAG+GCTGCACT
TTATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTT
CTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTG
AAA

+
FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1515:4634:5760_1:N:0:TCTGCAAG+GCTGCACT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAA
GCTAGGCGTTGGGGAGAATGAAGTCCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGT
AGT

+
FFFFFF:F:F:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF: :FFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2569:14244:3051_1:N:0:TCTGCAAG+GCTGCACT
ACTCCCATGCCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGG
AGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACC
AGA

+
FF
FFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1503:16224:32095_2:N:0:TCTGCAAG+GCTGCACT
TAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGAC
CTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCAT

+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF: :FFFFFFF:FFF,FFFFFFFFFFFFFFFF
F:FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2554:14859:8249_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCAATAAGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGA
CGA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1561:20229:26850_2:N:0:TCTGCAAG+GCTGCACT
GGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTT
GAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGAGGATT

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1550:22525:14951_2:N:0:TCTGCAAG+GCTGCACT
CTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCCTAAGC
ACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTC

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2378:13024:30217_2:N:0:TCTGCAAG+GCTGCACT
AGGGTCTTCTTCATGCTGATCTTTCAGGACCTAATCACATCATGATTGATAGTTACGGCTCGTATCGA
GTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATTAAGAGT

+

FF
FFFFFFFFFFFFFFF,FFFFFF:FF

@A00721:190:HGJW7DSXY:4:1530:10402:27430_1:N:0:TCTGCAAG+GCTGCACT
GGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATT
ATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAAT
CTT

+

FF,F,FFFFFFFFFFFF,,F:F:,FFFF:F,FF:FF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFF
F,FFFFFF:FFFFFFFFFFFF::FF:FF,FFFFFFFFFFFFFFFF,FFF,,FFFFFFFF:FF::,FFF,F
FFF

@A00721:190:HGJW7DSXY:4:1518:10700:10692_2:N:0:TCTGCAAG+GCTGCACT
GGACTACTCGACTTTTGTATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATA
TGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTT

+

FFFFFFF:FF
FF:FF

@A00721:190:HGJW7DSXY:4:1328:11171:23782_2:N:0:TCTGCAAG+GCTGCACT
GTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACAGCTACGAGAGG
TGATCCCGGATGTGGATTGAAGGCTGGCCAGATCGGAAGAGCGTCGTG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1661:12319:15781_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTC
CACTGATTCCGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGAC

+

FF
FF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1243:31403:27884_1:N:0:TCTGCAAG+GCTGCACT
TCTCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAG
AAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGAGAAAAC
TGA

+

FFFFF:FF,F:FF::FFFF,FF,,FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2177:4336:6120_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGGCCGA
CGTTTGTGCGGAACCTCTCAGAGGTTTACGGCAGAAAAATTTCTCTGCTTGTAATTCGAGAGAGGACA
CTA

+

F:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFF:F:FFFFFFFFFFFFFFFFFFFFFF,FFF
FFFFFFFFFFFFFFFF:FFFFFFFFF:F:FFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2604:6234:19774_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACT
GTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGAACACCTTAACGTCACTCGGTAATCT
TTC

+

FFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF


```

FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

+

@A00721:190:HGJW7DSXY:4:2577:21441:24565_2:N:0:TCTGCAAG+GCTGCACT
AGCATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGA
AGTTTTAATGCTTAACAGATCGGAAGAGCGTCGTGTAGGGAAAGAGTG

[illegible]

+

@A00721:190:HGJW7DSXY:4:1203:23077:32784_1:N:0:TCTGCAAG+GCTGCACT
CCGATCTATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG

[illegible]

+

@A00721:190:HGJW7DSXY:4:1472:25898:36793_1:N:0:TCTGCAAG+GCTGCACT
ATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACC
CAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAA
AGG

```

FFFFFFFF,FF,FFFFFFFFFFFFFFFF:F:F:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFF

```

+

[illegible]

$+$

@A00721:190:HGJW7DSXY:4:2566:5629:36292_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACCTGAGGA
CGA

+

@A00721:190:HGJW7DSXY:4:1575:12997:5838_2:N:0:TCTGCAAG+GCTGCACT
GGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTTCGAGCTT
GAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATT

+

@A00721:190:HGJW7DSXY:4:2111:17219:28557_2:N:0:TCTGCAAG+GCTGCACT
CTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCCTTAAGC
ACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTC

+

@A00721:190:HGJW7DSXY:4:1207:32136:31375_1:N:0:TCTGCAAG+GCTGCACT
AGTTTCAGACGTGTGCTCTTCCGATCTGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATT
AAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAG
GAA

 $+$

@A00721:190:HGJW7DSXY:4:2115:26802:22858_1:N:0:TCTGCAAG+GCTGCACT
GGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATT
ATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAAT
CTT

+

@A00721:190:HGJW7DSXY:4:1674:1099:36432_2:N:0:TCTGCAAG+GCTGCACT
GGACTACTCGACTTTTGTCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATA
TGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTT

+

@A00721:190:HGJW7DSXY:4:1677:28655:32049_2:N:0:TCTGCAAG+GCTGCACT
GTTAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACAGCTACGAGAGG
TGATCCCGGATGTGGATTGAAGGCTGGCCAGATCGGAAGAGCGTCGGG

+

```

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F

```

@A00721:190:HGJW7DSXY:4:2155:22092:11224_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTC
CACTGATTGCGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGAC

+

FF
FFFFFF:FF

@A00721:190:HGJW7DSXY:4:1262:9561:11475_1:N:0:TCTGCAAG+GCTGCACT
TCTCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAG
AAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAGAAAAC
TGA

+

FFFFFF:FFFFFF:FF
F,FF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2206:22761:10723_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCAGTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGA
CGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACA
CTA

+

F,:F,:F,FFFFFF,F,FF:FFFF::FFFFFFFF:,FFFFFF:,FFFFFFFFFFFFFF:F:, ,F,FFFF:FF
FF:FF:FF
:FF

@A00721:190:HGJW7DSXY:4:2604:6488:20462_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCTTGAAGTTGTTGACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACT
GTCTCTGCCTTCCAAGATTTCTTAGAAGAGGTTATTCTGGAACCACCTTAACGTCACTCGGTAATCT
TTC

+

FFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FFFFFF:,FFF
FFF

@A00721:190:HGJW7DSXY:4:2533:24225:29575_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FFFFFFFFFF:FF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1666:12445:8672_2:N:0:TCTGCAAG+GCTGCACT
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAG
TTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTG

+

FF
FF:FFFF

@A00721:190:HGJW7DSXY:4:2604:6262:25801_1:N:0:TCTGCAAG+GCTGCACT
TGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCG
GGGTTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAAACCATTGTACGATGTCGTCTGTCTC
GGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2531:32696:22545_1:N:0:TCTGCAAG+GCTGCACT
CCGATCTATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACC

+

@A00721:190:HGJW7DSXY:4:1417:4661:30013_1:N:0:TCTGCAAG+GCTGCACT
GATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCT
CCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCTAATCGCTGCATATTACGGATTA
CAC

+

@A00721:190:HGJW7DSXY:4:2120:10746:34225_1:N:0:TCTGCAAG+GCTGCACT
ATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACC
CAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAA
AGG

+

@A00721:190:HGJW7DSXY:4:2148:22453:4742_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA

+

@A00721:190:HGJW7DSXY:4:2351:6361:5274_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT

+

@A00721:190:HGJW7DSXY:4:2214:8992:19695_1:N:0:TCTGCAAG+GCTGCACT
AATATTTTTATTCTCTACACCAATATAAACGAGGATAACGCTTTTTTCCGACCTCAACTTAATACAC
TAAGATAACATCCCCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT

+

@A00721:190:HGJW7DSXY:4:2671:11044:26475_1:N:0:TCTGCAAG+GCTGCACT
ATGAGGTCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGAT
CTGCCGACTTTAGTCAAGGAAC TTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAA
TAA

+

@A00721:190:HGJW7DSXY:4:2224:30689:26052_1:N:0:TCTGCAAG+GCTGCACT
TCTCTCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTCAATAAGATGTATGATGATAATCTACT
ATTTTTAAATTGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTGGCTTGGTCTATTTACC
GCA

+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFF,:FFFFFFFF:FFFFFFFFFFFFFFFF:FFFF
F:F:FFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1109:5312:6652_2:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATACTTGACTGTTGATAATATTACAATAGCTCTTTC
TCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTT
+
FFF
FFFFFFFF:FFFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFF:FFFF
@A00721:190:HGJW7DSXY:4:2108:21847:26334_1:N:0:TCTGCAAG+GCTGCACT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAA
GCTAGGCGTTGGGGAGAATGAAGTCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGT
AGT
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F
FFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1241:16893:23516_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCTACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGG
AGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCAAGCCAATCAATAGTTCTTCTGACC
AGA
+
FFFFFFF:FFFF:FFF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2127:20717:28134_2:N:0:TCTGCAAG+GCTGCACT
TAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGAC
CTAAGAAGGGGAAATTACCCCTAATTCTGAAGAGATCGGAAGAGCGTC
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF,FFF
@A00721:190:HGJW7DSXY:4:2605:29595:8719_1:N:0:TCTGCAAG+GCTGCACT
CGAAGTCGCTGAAGGCGGCTTGGGTCAATTAAGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTT
GAGACCAAGACTCTCTACAGTAGGTTTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGA
CGA
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFF
FFFFFFFFFFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1601:16667:16016_2:N:0:TCTGCAAG+GCTGCACT
GGCGACAAAGTGAAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTT
GAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGAGGATT
+
FFFFFFFFFFFFF,FFFFFFFFFFFFFF:FF,FFFFF:FFFFFF:FFF:FFFFFFFFFFFFF,FFFFFFF
FFFFFFFFF,F:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2511:22200:30358_2:N:0:TCTGCAAG+GCTGCACT
CTATGGAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTACCCCTTAAGC
ACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTC
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:1351:24117:12258_1:N:0:TCTGCAAG+GCTGCACT
AGTTCAGACGTGTGCTCTCCGATCTGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATT

AAGAGTCCAGCTGTAAGTGTCTTTTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAG
GAA

+

FFFFFFFF:FF
FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2368:18683:35102_1:N:0:TCTGCAAG+GCTGCACT
GGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATT
ATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAAT
CTT

+

FFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2112:29405:14622_2:N:0:TCTGCAAG+GCTGCACT
GGACTACTCGACTTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATA
TGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTT

+

FFF::FFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2255:18367:12790_2:N:0:TCTGCAAG+GCTGCACT
GTAAAGAAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGAGAGG
TGATCCCGGATGTGGATTGAAGGCTGGCCAGATCGGAAGAGCGTCGTG

+

FFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2155:23845:12132_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTC
CACTGATTCCGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGAC

+

FFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1262:9959:9283_1:N:0:TCTGCAAG+GCTGCACT
TCTCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAG
AAACGTAACAAGAAGATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGAGAAAAC
TGA

+

FFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2206:23493:7482_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGA
CGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCTGCTTGTAATTCGAGAGAGGACA
CTA

+

FFF
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2644:28131:1579_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCTTGAAGTTGTTGACGACAAGCCTCATGAGGGTAGAGGACCACCTGGATCTTCTACT
GTATCTGCCTTCCAAGATTTCTTAGAAGAGGTTTGTCTGGAACCACTTAACGTCACTCGGTAATCT
TTC

+

FFFF,FF,FFF,F,FFFFFFFFFFFFFFFF, :F,FFFF, :FFFF, ,F,FF, , , , FFFFF,FF:FF::

FF,F,FFFFFF,:F,FFFF,,FFF:FF,FFFF,,FF,FFF,F,F:::FFFFFFFF,FF,F,F:FF:F
FFF

@A00721:190:HGJW7DSXY:4:2533:25003:28354_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FFF:,F:,FFFFFF:FF,FFFFFFFFF,F,F,FFF:F,FF,FFFFFFFFF,F:FF:,FF:FFFFFF,:
FFFFFFFF:F:FFF,FF,FF:,,:FFFFFFFF:FFFF:FFFFFFFF:F,FF:,F:F::FF::F:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1447:11162:14935_1:N:0:TCTGCAAG+GCTGCACT
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAG
TTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGAC
ACT

+

::FF:FFFF::FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFF:F:F
FFF

@A00721:190:HGJW7DSXY:4:2652:18421:30138_1:N:0:TCTGCAAG+GCTGCACT
TGCTATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCG
GGGTAAATTCTAAACATTACCCGAAAGACGTGCTAAATTAAACCATTGTACGATGTCGTCTGTCTC
GGC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2569:17137:29543_1:N:0:TCTGCAAG+GCTGCACT
CCGATCTATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACC
TTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
ATG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1530:24867:22576_1:N:0:TCTGCAAG+GCTGCACT
GATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCT
CCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTA
CAC

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2330:11071:14309_1:N:0:TCTGCAAG+GCTGCACT
ATAGGTGAAGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACC
CAAAATGAAGGACACTTCGAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAA
AGG

+

FFF:FF:FFF:FF
:FFFFFFFFFF:FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2151:13792:8719_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAATTATTTAGAGATCTTTT
CTA


```

+
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2367:30147:12023_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGTTCATTACTCTGTACTTGATCTACGTCGTTTA ACTGTCCGAACAACCTTTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT
+
FFFFFFF:FFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:F:F:FFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:, :FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2314:29252:8187_1:N:0:TCTGCAAG+GCTGCACT
ATTATTTTTAGTATCAACACCCCATATAAACGTGTATAATGCGTGTTCGGGACCTCAACTTAATACAC
TAAGACATCACCCCCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT
+
F,F:F,FFF,,,,,,,,:FF:F,,,,,,,,F,,,,,:,:,F,,F,,,,:FFF,:,,,,,:,:,F::,:F:,,F,,,
,F,,,,,,,,,F::,F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2343:32334:4570_1:N:0:TCTGCAAG+GCTGCACT
TGAGGTAAAAGATCTATTTATTAACGAAC TATTATCCGATTCTTCGAGGGTATCACTACCCTGATC
TGCCGACTTTAGTCAAGGAAC TTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAAT
AA
+
:,F::,FFF,,:::FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:~FFFFFFFFFFFFF,:FFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1526:31810:32158_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTT
TTAAATAGTGATATT CAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAA
+
FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1161:21567:6433_2:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTC
TCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTT
+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2609:28402:35336_1:N:0:TCTGCAAG+GCTGCACT
ATTGAAAATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAA
GCTAGGCGTTGGGGAGAATGAAC TGCCGCTTCCCGGAAGAAACGATCTATTTACAGAGTATTTAGAGT
AGT
+
FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1326:22824:8735_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCTACCAATCAATGATGTGACTATACAGTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGG
AGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACC
AGA
+
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```


+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2156:13160:10629_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTC
CACTGATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGAC

+
FF
FFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1550:19813:31955_1:N:0:TCTGCAAG+GCTGCACT
TCTCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAG
AAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAGAAAAC
TGA

+
FFF:FFFFFFFFF:FFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2229:1551:23218_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGA
CGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGAATTCGAGAGAGGACA
CTA

+
FF
FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2604:6234:19774_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACCTCGGTAATCTTTC

+
FF
FF

@A00721:190:HGJW7DSXY:4:2543:10827:12007_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+
FFF:FFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1603:22046:5321_1:N:0:TCTGCAAG+GCTGCACT
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTTCGAATGAAG
TTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGAC
ACT

+
:FFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2205:10185:15280_1:N:0:TCTGCAAG+GCTGCACT
GAGTTCAGACGTGTGCTATTCCGATCTGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATTGTTAGG
GGTTATTTCTAAAACATTACCCGAAAGACGTGCTAAATTAACATTGTACGATGTGCTGTCTGCTCG
GCG

+
FF:::FFFFFF,FF,F,:FF,FFF,FF:,FFFFFF:FFFFFF,:FFFF,:FF:FF,,FF,,,F,F:

FFFF,,FF,FF:,,,FFFF,:,,FF:F,FFFFFFFF,:FFFF,:,,FFFF,,F,FFF,F:,F:F,F,,
F,F

@A00721:190:HGJW7DSXY:4:1611:26567:29152_1:N:0:TCTGCAAG+GCTGCACT
AAAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACCT
TCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTA
TG

+

F,FF,FFFF:FFF,F:,,FF,:,,F:FF:,F:F:FF,:F:F,,FFFFFFFFFFFFFFFF,FFFFFFFF:FF,
FF:FF:FF:FFF:F:F:F:FFFFFF:FF:,:FFF,FF,F,:::FF,FFFF,FF,FF,:F:F:FFFFFF
FF

@A00721:190:HGJW7DSXY:4:2307:10484:17581_1:N:0:TCTGCAAG+GCTGCACT
GATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCT
CCTCAGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCTGCATAATCGCTGCATATTACGGATTA
CAC

+

FFFFFFFF:F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2360:17689:7764_1:N:0:TCTGCAAG+GCTGCACT
ATAGGTGAAGGGATAGTTTTACCTCGACCAACATTAAGGCGGCGCGACTAATCTTAAAGCTTCACC
CAAAATGAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAA
AGG

+

FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2156:29071:25598_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA

+

FFFFFFF,:FF:FF
FFFFFFFFFFFFFFFFFFFFFFFFF:FF,FF
FFF

@A00721:190:HGJW7DSXY:4:2367:30210:12007_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCATTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT

+

FFF:FF::FFFFFFFFF:F::FFFFFFFF:FF:FFFF:FFFFFFFFF:FFFFFFFFF,:FFFFFFFFF:
FFFFFFFFF::F,FF:FFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2318:25446:22232_1:N:0:TCTGCAAG+GCTGCACT
ATTTTTTTTAGTCTATACACCATCTCAACTTGTATAACGGGTGTTTTCGGTCCTTAACCTAATCCCC
GAAGAGAACACCCCCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT

+

: ,F,F:FFF,,,,,,,,,: ,:F,F:,,,F,,,,,: ,:F,FFF,,,,: ,F,,: ,:F,,: ,,
,: ,,,,,,F:,F:,,,F,FF

@A00721:190:HGJW7DSXY:4:1201:10945:5603_2:N:0:TCTGCAAG+GCTGCACT
GTCAAAGCTCTATTTATTAAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCC
GACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTAT

+

FF
FF:F

@A00721:190:HGJW7DSXY:4:1650:15799:31109_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTCAATAAGATGTATGATGATAATCTACTATTT

@A00721:190:HGJW7DSXY:4:1642:30373:31485_1:N:0:TCTGCAAG+GCTGCACT
AGTTCAGACGTGTGCTCTTCCGATCTGTTGGAGGGAGGAAGTTCTCCGAAATTAAAGACGGGGGGATT
AAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAG
GAA

+

FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2649:15157:11021_1:N:0:TCTGCAAG+GCTGCACT
GGCTCTAGAGAAGATCTCACCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATT
ATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAAT
CTT

+

FFFF:FFFFFFFFFFFF,FFF:FFFFF:FFFFF:
FF
FFF

@A00721:190:HGJW7DSXY:4:2511:20817:28808_2:N:0:TCTGCAAG+GCTGCACT
GGACTACTCGACTTTTGATCTGGAGTTGTCTAGGGTCATGGCAGATACTACCGATAAGGTGAAAAATA
TGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGTTT

+

:FFF:FFFFFFFF,FFF:FFFFF:FFFFF
FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF,FFFFF:FFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:2103:23592:34240_1:N:0:TCTGCAAG+GCTGCACT
GCAGAGTGACTGGAGTTCAGCGTGTGCTCTTCCGATCTGTCAAACCTTCGAGGTTGAGCTACGAGAGGT
GATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTG
GGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2259:8061:19961_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGACATTATTTCAACGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTC
CACTGATTCCGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGAC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1630:20518:30765_1:N:0:TCTGCAAG+GCTGCACT
TCTCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAG
AAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACAGAACAGCGAGCGGTTGAAGAGAAAAC
TGA

+

FF:FFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2307:27010:14105_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATCTTGATGAGTGTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGA
CGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGAATTCGAGAGAGGACA
CTA

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2604:6488:20462_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCAAGATTTCTT

AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACCTCGGTAATCTTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2615:17372:21371_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF
FF,

@A00721:190:HGJW7DSXY:4:1642:27850:36761_1:N:0:TCTGCAAG+GCTGCACT
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTGAATGAAG
TTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGAC
ACT

+

FF:F,FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:2214:16812:31360_1:N:0:TCTGCAAG+GCTGCACT
GAGTTCAGACGTGTGCTCTTCCGATCTGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGG
GGTTAATTCTAAACATTACCCGAAAGACGTGCTAAATTAACCATTGTACGATGTCGTCTGTCTCG
GCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1339:5520:36354_1:N:0:TCTGCAAG+GCTGCACT
AAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTT
CGGCCGCTCTCTTGTCTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCCTACGTAGTTTAT
GAC

+

FFFFFFFFFFFFFFFF:FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2307:9480:15154_1:N:0:TCTGCAAG+GCTGCACT
GATAACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATCT
CCTCAGGAGTCCCGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTA
CAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2628:11162:36730_1:N:0:TCTGCAAG+GCTGCACT
ATAGGTGAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACC
CAAAATGAAGGACACTTCGAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAA
AGG

+

FFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFF
:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2269:31675:3082_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTGTTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA

$+$

@A00721:190:HGJW7DSXY:4:1269:18385:21120_2:N:0:TCTGCAAG+GCTGCACT
AGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCTGCCGACCCCATCTTTGAG
ACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTT

+

@A00721:190:HGJW7DSXY:4:2472:16821:34131_2:N:0:TCTGCAAG+GCTGCACT
GGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCTTCGAGCTT
GAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTTTGGAGGATT

+

@A00721:190:HGJW7DSXY:4:1641:8386:6402_1:N:0:TCTGCAAG+GCTGCACT
CGATCTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCAACCTTAAGCACC
GAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCG
GGC

 $+$

@A00721:190:HGJW7DSXY:4:2642:30499:24752_1:N:0:TCTGCAAG+GCTGCACT
AGTTTCAGACGTGTGCTCTTCCGATCTGTTGGAGGGAGGAAGTTCTCCGAAATTAAGACGGGGGGATT
AAGAGTCCAGCTGTAAGTGTCAATTCAGAGAGGGGAGCTCTGAAAAGGAACTTCGTCAGAAGATGAG
GAA

+

@A00721:190:HGJW7DSXY:4:2649:15447:11083_1:N:0:TCTGCAAG+GCTGCACT
GGCTCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATT
ATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAAT
CTT

+

@A00721:190:HGJW7DSXY:4:2555:23963:1595_2:N:0:TCTGCAAG+GCTGCACT
GGACTACTCGACTTTTGTATCTGGAGTTGTCTAGGGTCATGCCAGATACTACCGATAAGGTGAAAAATA
TGCAGGTCAAAGATTCTGTAGCTCTGAGGGCGGTTGAGGGAGCCGGTT

 $+$

@A00721:190:HGJW7DSXY:4:2264:3305:36245_1:N:0:TCTGCAAG+GCTGCACT
CAGAGTGACTGGAGTTCAGAAGTGTGCTCTTCCGATCTGTCAAACCTTCGAGGTTAGCTACGAGAGGT
GATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTG
GGT

+

```
FF:F:FF,:F,FFFFFFFF:,FFFFFF,F,FFF,F,FFF,FFF:, ,FF::F,FFF:FFF:FFFFFF,FF
:FFFFFF:F,F:FFFFFFFF,,FFFFFF:FF,F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

@A00721:190:HGJW7DSXY:4:2623:21097:6120_2:N:0:TCTGCAAG+GCTGCACT
CCTGATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTC
CACTGATTCCGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2372:17924:8641_1:N:0:TCTGCAAG+GCTGCACT
TCTCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGACCAG
AAACGTAACAAGAATAAAAGGTAGGAAGGGGAGAAAACAGAACAAAGCGAGCGGTTGAAGAGAAAAC
TGA

+

FFFF:FFFF:FFFFFFFFFFFFFF:FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:2378:18566:24721_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGA
CGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACA
CTA

+

FFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2619:26467:18427_2:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCCTGGAACACCTTAACGTCACCTCGGTAATCTTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2616:30978:14935_1:N:0:TCTGCAAG+GCTGCACT
GGAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCA
GTAATCCTGATTCTACTACGGATTATGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCA
AAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1643:4164:9267_1:N:0:TCTGCAAG+GCTGCACT
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAG
TTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGAC
ACT

+

FFFFFFFFF:FF
FFFF:FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2478:26350:22482_2:N:0:TCTGCAAG+GCTGCACT
TATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGG
TTAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAACCATTTGT

+

FF
FF:FFFFF

@A00721:190:HGJW7DSXY:4:1408:17517:31641_1:N:0:TCTGCAAG+GCTGCACT
AAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGAGTACCTGTCTTTCATATTATGAATGAACCTT
CGGCCGCTCTCTTGTCTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTAT
GAC

[illegible]

@A00721:190:HGJW7DSXY:4:1447:7102:5682_2:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATACTTGACTGTTGATAATATTACAATAGCTCTTTC
TCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTT

[illegible]

@A00721:190:HGJW7DSXY:4:2565:14669:23578_2:N:0:TCTGCAAG+GCTGCACT
TATTACTCATGATGGTTACGGTCAGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGG
TTAATTCTAAACATTACCCGAAAGACGTGCTAAATTAACCATTGT

+

FF
:FFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1419:10872:8015_1:N:0:TCTGCAAG+GCTGCACT
AAGATATTTTCATGAAAACACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACCTT
CGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTAT
GAC

+

FFFFFFFFFFFF:FF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1265:15582:1830_2:N:0:TCTGCAAG+GCTGCACT
ACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTC
AGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATAATCGC

+

FF
FFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1108:7618:29966_2:N:0:TCTGCAAG+GCTGCACT
GAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAAT
GAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGC

+

FF
FFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2276:31385:3928_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA

+

FFFFFFFFFFFF, :FFFFFFFF: :FF
FFF:FF:FFFFFFFFFFFFFFFFFFFF, FF
FFF

@A00721:190:HGJW7DSXY:4:2474:8377:22326_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGTTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2278:29496:27461_1:N:0:TCTGCAAG+GCTGCACT
AATAGATTTAGTCTCTACACCAATCTCAACGAGGATAACGCGAGTTTTCCGTCCTGAACCTTAATACAC
GAAGATATCATCCGCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT

+

F:FF::FFF:,F,,FF:,FF,,,F:,,,::,,::,::FF,::,,,FFFFFFFF:,F:F,FF,,FFFF:,F,
,F,,,,::,,,F:F,F:FF

@A00721:190:HGJW7DSXY:4:2238:30933:33082_2:N:0:TCTGCAAG+GCTGCACT
GTCAAAGCTCTATTTATTAACGAACCTATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCC
GACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTAT

+

FFF:F:FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FF,FFF

@A00721:190:HGJW7DSXY:4:2233:8865:3505_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCACCTTGGTGTGATCTCCCGAGGATCTTTCAATAAGATGTATGATGATAATCTACTATTT

TTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1529:31376:35164_2:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTC
TCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2239:1533:2707_2:N:0:TCTGCAAG+GCTGCACT
ATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGGAAGGAATCTTAATTGATTGAAGCTAGGC
GTTGGGAGAATGAAGTCCGCTTCCCGAAGAAACGATCTATTTACA

+

FFFFFFFFFFFF:FF
FF:FF

@A00721:190:HGJW7DSXY:4:1554:10646:27132_2:N:0:TCTGCAAG+GCTGCACT
CATACCAATCAATGATGTGACTATACAGTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTA
CTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2631:15573:13369_2:N:0:TCTGCAAG+GCTGCACT
TAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGAC
CTAAGAAGGGGAAATTACCCCTAATTCTGAAGGAAGATCTCCACCCCT

+

FF:FF
FF

@A00721:190:HGJW7DSXY:4:1603:22869:3959_2:N:0:TCTGCAAG+GCTGCACT
AGTCGCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAG
ACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2667:6596:31892_2:N:0:TCTGCAAG+GCTGCACT
CGTGGGTTGAAGGCCGACGCTTCGAGCTTGAGTGTGACGAGGCCGGTGACGTTTTTGTCAACGGCGTT
TGGAGGATTTATCCGCGCTTAAGTATGGGGCAAGATCCCCTATGGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2203:12970:18474_2:N:0:TCTGCAAG+GCTGCACT
TATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGTAAGCTCGGGACTTACAAGAGAG
AGTGTGAGAGAGTCGCTCTCACTATTTTTTCCCAGAATGCGGGCTTTC

+

FFFFFFFFFF,FFF,FFFFFFFFFFFFFF,FFFFF:FFF:FFF:F:FF:FF:F:FF:FFFFFFFF:FF:F
FF

@A00721:190:HGJW7DSXY:4:1219:10456:9768_1:N:0:TCTGCAAG+GCTGCACT
TCTAGTGAAGATCTCCACACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTGGATGAAGAAGGTTTATT
TGAAGCTGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAATCTT
TTG

+

F,FF:,FF::FFF::,,,,:F:FFF,F,:,FFFF,::F,,F,,FFF,FF,,,:::FFFFF,,FFFFF

FF,,,,:F,FFF,:,:,FF,,FFF::F,FFFF,F,,,,:FFFFFFFFFFFF,F,FFFF,,FFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2265:5746:2049_1:N:0:TCTGCAAG+GCTGCACT
CAGAGTGACTGGAGTTCAGACGTGTCTCTTCCGATCTGTCAAACCTTCGAGGTTTCAGCTACGAGAGGT
GATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTG
GGT

+

::FFFFFFFF:FFFFFF,FF
FFFFFFFF,FFFFFFFFFFFF:F,FFFFFFFFFFFF::FFFFFFFF:FFFFFFFF:FFF,FFFFFFFFF,,FFFF
FFF

@A00721:190:HGJW7DSXY:4:1133:5330:24565_1:N:0:TCTGCAAG+GCTGCACT
ATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACT
GATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGA
TGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2505:15962:2707_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGCCGA
CGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGAATTCGAGAGAGGACA
CTA

+

::F,,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1112:27263:2581_1:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACCTCGGTAATCTTTCAGCCGAATTAAGTACTAATG
AGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1535:10339:15890_1:N:0:TCTGCAAG+GCTGCACT
GAGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAG
TAATCCTGATTCTACTACGATTTCATGGACCTTCATCCTGTACCTCTTCTGGAGAGACGTATCTCAA
AG

+

FF,FFFFFFFFFFFFFFFF:FFFFFF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FF,F,FFFFFFF
F,FFFF:FFFFFF:FFFFFFFFF:FFFFFF,FFFF:FF:FFFF:FFFFFFFFFFFF:FFFFFFFFFF
:F

@A00721:190:HGJW7DSXY:4:2540:8522:7388_1:N:0:TCTGCAAG+GCTGCACT
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAG
TTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGAC
ACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1163:26205:14841_2:N:0:TCTGCAAG+GCTGCACT
ATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGT
TAATTCTAAAACATTACCCGAAAGACGTGCTAAATTAACCATTGTA

+

FF
FF
@A00721:190:HGJW7DSXY:4:1440:21016:36824_1:N:0:TCTGCAAG+GCTGCACT
AAGATATTTTCATGAAAACACTACAGAGGAACGTACCGGATTACCTGTCTTTTCATATTATGAATGAACCTT
CGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTAT
GAC
+
FFFFFFFF:F,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1314:29912:12493_2:N:0:TCTGCAAG+GCTGCACT
ACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTC
AGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGC
+
FF
FF
@A00721:190:HGJW7DSXY:4:1321:19786:11772_2:N:0:TCTGCAAG+GCTGCACT
GAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAAT
GAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2302:25816:18709_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2511:32497:36229_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2635:3106:24533_1:N:0:TCTGCAAG+GCTGCACT
AATATATTTAGTCTCTACACCCATCTCAACGAGTATAACGCGTTTTTTCCGTCCTTAACTTAATACAC
GAAGATATCACCCGCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT
+
F:F,,:FF:,,:,,,FF:FF:,F,,F:,,,,F,FF:,,:,,FFF,F:,F:,F:::,FF:,,,F
,:,,,F,,:,F:,,,FF
@A00721:190:HGJW7DSXY:4:2334:9127:17331_2:N:0:TCTGCAAG+GCTGCACT
GTCAAAGCTCTATTTATTAAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCC
GACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2322:22851:32174_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTT
TTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAA
+
FFFFFFFFF,FFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF:F:F:F

FFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:1605:20166:21355_2:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATACTTGACTGTTGATAATATTACAATAGCTCTTTC
TCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTT

+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2364:25563:26443_2:N:0:TCTGCAAG+GCTGCACT
ATTGTATAAGAGTTAATTGCTTACACAAAAGTGACGCGCAAGGAATCTTAATTGATTGAAGCTAGGC
GTTGGGAGAATGAAGTCCGCTTCCCGGAAGAAACGATCTATTTACA

+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1554:10791:27007_2:N:0:TCTGCAAG+GCTGCACT
CATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTA
CTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCA

+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2662:19949:1438_2:N:0:TCTGCAAG+GCTGCACT
TAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGAC
CTAAGAAGGGGAAATTACCCCTCATTCTGAAGGAAGATCTCCCACCAT

+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFF,FFFFFFFFFFFFFFFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2265:8675:4335_2:N:0:TCTGCAAG+GCTGCACT
AGTCGCTGAAGGCGGCTTGCGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAG
ACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTT

+
FFFFFFFFFFFFFFFFF,,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2128:3423:26146_1:N:0:TCTGCAAG+GCTGCACT
CGATCTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACC
GAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCG
GGC

+
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1532:25292:6308_1:N:0:TCTGCAAG+GCTGCACT
TCTAGAGAAGATCTCCCCACCTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATT
TGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTT
TTG

+
FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2447:12246:32158_1:N:0:TCTGCAAG+GCTGCACT
CAGAGTGACTGGAGTTACACGCTGTGCTCTTCCGATCTGTCAAACCTTCGAGGTTACGCTACGAGAGGT
GATCCCGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTG
GGT

+
FFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1250:17400:1877_1:N:0:TCTGCAAG+GCTGCACT
ATGACATTATTTCAACGGATACCGATCTCAGTTCTACCAACAGAAACCGTCTCAGGAAGTGTCTCCACT
GATTTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGA
TGA

@A00721:190:HGJW7DSXY:4:2532:4779:1376_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGA
CGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGACA
CTA

@A00721:190:HGJW7DSXY:4:1128:27914:26162_1:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCTCTGGAACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATG
AGT

@A00721:190:HGJW7DSXY:4:1372:19605:6324_1:N:0:TCTGCAAG+GCTGCACT
AGGGAGTTCTTGAAGCATCCCACCTTTCTTGTGAAAAATTTTGATGCGGTTTCATAAGATTATCAGT
AATCCTGATTCTACTACGGATTTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAA
GAT

@A00721:190:HGJW7DSXY:4:2637:13801:20572_1:N:0:TCTGCAAG+GCTGCACT
CATGACCATAATTGGTATTGACTTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCGAATGAAG
TTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGTTTTTCTAATAATGATGAC
ACT

@A00721:190:HGJW7DSXY:4:1209:12626:33755_2:N:0:TCTGCAAG+GCTGCACT
ATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGT
TAATTCTAAAACATTACCCGAAAGACGTGCTAAATTA AAAACCATTTGA

@A00721:190:HGJW7DSXY:4:1544:1877:29074_1:N:0:TCTGCAAG+GCTGCACT
AAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTT
CGGCCGCTCTCTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTAT
GAC

[illegible]

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF, :FFFFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1314:30210:12947_2:N:0:TCTGCAAG+GCTGCACT
ACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTC
AGGAGTCCCGCATTTGATAATAATGACGAGACTTTCGTCATAATCGC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2245:19452:3082_2:N:0:TCTGCAAG+GCTGCACT
GAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAAT
GAAGGACACTTCGAAACTGAATAATGATGCACTACGAACAAGTATCGC

+

FF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFF, FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2357:11767:35963_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA

+

FFFFFFF:FFFFFF, FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2563:32741:4867_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT

+

FFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF, FFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2648:32353:6386_1:N:0:TCTGCAAG+GCTGCACT
AATATATTTAGTCTCTACACCCATCTCAACGAGTATAAAGCGATTTTTCCGTCCTCAACGTAATACAC
CAAGAGATCATCCGCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT

+

F::F,F::,,,,,,,,,FFFFF,F::,,F::,,,F,F,,,::,,FFF,FFF,F,F,F,,,F::,,FF:
,FF,::,F,FF,FF,FF,FF

@A00721:190:HGJW7DSXY:4:2535:15709:31861_2:N:0:TCTGCAAG+GCTGCACT
GTCAAAGCTCTATTTATTAACGAACATATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCC
GACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTAT

+

FFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFF:FFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2329:9335:35540_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACGCAA
AAA

+

:FFFFFFFF,FFFFFFFF:FFFFFFF,FFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2426:15935:24674_2:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTC
TCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2668:28085:9518_1:N:0:TCTGCAAG+GCTGCACT
CAAAAGTGACGCGCGAAGGAATCTTAATTGATTGAAGCTAGGCGTTGGGGAGAATGAACTGCCGCTTC
CCGGAAGAAACGATCTATTTACAGAGTATTTAGAGTAGTCCAAAGTTTGATAAATTTATATGATTTT
CTA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1556:15167:36871_2:N:0:TCTGCAAG+GCTGCACT
CATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCTGGGAGGTA
CTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCA

+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFF:F:FF

@A00721:190:HGJW7DSXY:4:1444:29577:3427_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGG
GGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTG

+
FFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFF:FF
FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:1348:27208:18834_1:N:0:TCTGCAAG+GCTGCACT
GCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCA
AGACTCTCTACAGTAGGTTCTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGT
GAG

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2240:18683:18035_1:N:0:TCTGCAAG+GCTGCACT
CGATCTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACC
GAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCAGAATGCG
GGC

+
FFFFFFF,FFFFFFFFF:FFFFFFFFF:FF
FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1561:12762:1799_1:N:0:TCTGCAAG+GCTGCACT
TCTAGAGAAGATCTCACCACTGGAGAAGGCAAGTGGAGAGTCCAGAAGTTGATGAAGAAGGATTATT
TGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAATCTT
TTG

+
F:FFFFFFF:FFFFF,FFF,FF,FFFFF,,FFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFF::F:FFFFFF:FF,FFFFFF,FFFFFFFFF:FF:F:FFFF:FFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2531:12310:30452_1:N:0:TCTGCAAG+GCTGCACT
CAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGTCAAACCTTCGAGGTTTCAGCTACGAGAGGT
GATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTG
GGT

+
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1618:21811:32033_1:N:0:TCTGCAAG+GCTGCACT
ATGACATTATTTCAACGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACT

GATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGA
TGA

+

FFFF:FFFF::FFFF:FFFFFFFFFFFF:,,FF,::,FFF,F:FFFF:::,FFFFFFFFFFFF:,
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFF:,F,F:FFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2535:5584:30671_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTCTTGATGAGTGTCGTTCTTATCGAAGTCTCAGTTATCGCTGCCCCGCCGA
CGTTTGTGCGCAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACA
CTA

+

FFF
FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1450:28140:1908_1:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACCTCGGTAATCTTTCAGCCGAATTAAGTACTAATG
AGT

+

FFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2123:30517:27759_1:N:0:TCTGCAAG+GCTGCACT
AGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTGATGCGGTTTCATAAGATTATCAGT
AATCCTGATTCTACTACGATTTCATGGACCTTCATCCTGTACCTCTTCTGGAGAGACGTATCTCAA
GAT

+

FFFFFFFFF:FFF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2642:5321:36573_1:N:0:TCTGCAAG+GCTGCACT
CATGACCATAATTGGTATTGACTTTGGTACCACCTTTTCTACTGTCTGTCTCGCCTCTTCCAATGAAG
TTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGTTTTTCTAATAATGATGAC
ACT

+

:FFFF:FFF
FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:1228:6271:8249_2:N:0:TCTGCAAG+GCTGCACT
ATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGACCTTAAGCGATGGATCGGGGT
TAATTCTAAACATTACCCGAAAGACGTGCTAAATTAACCATTTGTA

+

FFF
FF:,FFFFF

@A00721:190:HGJW7DSXY:4:1608:6162:21809_1:N:0:TCTGCAAG+GCTGCACT
AAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTT
CGGCCGCTCTCTTGTCTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTAT
GAC

+

FFF
FF:FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2366:18150:34741_2:N:0:TCTGCAAG+GCTGCACT
ACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTC

AGGAGTCCCGGCATTTGATAATAATGACGAGACTTTTCGTCATAATCGC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2248:20898:25285_2:N:0:TCTGCAAG+GCTGCACT
GAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAAT
GAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGC
+
FF:FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFF,F
@A00721:190:HGJW7DSXY:4:2364:27145:11678_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA
+
:FF
F:FF
FFF
@A00721:190:HGJW7DSXY:4:2638:8793:1094_2:N:0:TCTGCAAG+GCTGCACT
ATCTCTCGTCAATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAAT
GACTCTATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATAT
+
FF,F:FFFFF
FFFFF:FF:FFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1369:2835:3176_2:N:0:TCTGCAAG+GCTGCACT
ATAGATTTAGTCTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACG
AAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAG
+
FF
FF:FFF
@A00721:190:HGJW7DSXY:4:1124:24614:1720_2:N:0:TCTGCAAG+GCTGCACT
TCAAAGCTCTATTTATTAAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCG
ACTTTAGTCAAGGAAGTCAATTCTTCGATGTTTATATTTTCTATA
+
FF
FF,FFFFFFFFFFFF:FF:FFF
@A00721:190:HGJW7DSXY:4:2337:11903:22044_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTT
TTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTGGCTTGGTCTATTTACCGCAA
AAA
+
FF:FFFFF:F
FF:FFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2607:30264:26130_2:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTC
TCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTT
+
FFFFFFFFFFFFFFFF:FF
FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1623:24768:6214_2:N:0:TCTGCAAG+GCTGCACT
CATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTA
CTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCA
+

GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAAATTATTTAGAGATCTTTT
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1218:20256:1344_2:N:0:TCTGCAAG+GCTGCACT
TCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTC
TATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATAT

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFF:FFFFFFFF:FFFF,FFFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2265:13648:3583_2:N:0:TCTGCAAG+GCTGCACT
ATAGATTTAGTCTCTACACCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACAG
AAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAG

+

FF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1273:30942:24048_2:N:0:TCTGCAAG+GCTGCACT
TCAAAGCTCTATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCG
ACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATA

+

FFFF:FFFFFFFFFFFF::FF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F,:FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2576:18756:3756_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTT
TTAAATAGTGATATTACGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2278:16649:16736_1:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTC
TCAGAAGATTAGAGAAGTAACCTGTGAACACGTCGGTAGCATTGATTTACTATTACCGTTAGAACTGA
AA

+

FFFFFFFFFFFF:FF::FF:FFF,FFFF:F,FF,FF:FFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFF
FF:FFF,FFFF,F,FF,,FFFF,FF:FFFFFFFF:F:F:FFF:,FF::FFF,FFFF:F,FFFF::F
FF

@A00721:190:HGJW7DSXY:4:2177:25491:5087_2:N:0:TCTGCAAG+GCTGCACT
CATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTA
CTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCA

+

FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF,:FFFF:FFF

@A00721:190:HGJW7DSXY:4:1504:31910:6684_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAG
GGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTG

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2509:13042:16063_1:N:0:TCTGCAAG+GCTGCACT
GCTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCA

@A00721:190:HGJW7DSXY:4:2233:14398:34068_1:N:0:TCTGCAAG+GCTGCACT
AGGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGT
AATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAA
GAT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1449:15483:13620_1:N:0:TCTGCAAG+GCTGCACT
TCGCCTCTTCGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGT
TTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGG
AGG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2322:3694:32910_1:N:0:TCTGCAAG+GCTGCACT
AAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTT
CGGCCGCTCTCTTTCGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTAT
GAC

+

F:FFFFFF:F:FFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2455:23240:3881_2:N:0:TCTGCAAG+GCTGCACT
ACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTC
AGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2420:20247:11412_2:N:0:TCTGCAAG+GCTGCACT
GAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAAT
GAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2412:2220:13166_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTT
CTA

+

FF:FFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFF:FFF:FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1223:18385:11412_2:N:0:TCTGCAAG+GCTGCACT
TCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTC
TATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATAT

+

FF,FFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2516:14335:25097_2:N:0:TCTGCAAG+GCTGCACT
ATAGATTTAGTCTCTACACCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACG
AAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAG

+

FF,FFFF
F:FF:FF:FFF
@A00721:190:HGJW7DSXY:4:1423:4463:30295_2:N:0:TCTGCAAG+GCTGCACT
TCAAAGCTCTATTTATTAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCG
ACTTTAGTCAAGGAAGTCAATTCCTTCGATGTTTATATTTTTCTATA
+
FF
F:FFFFFFFFFFFFFF,FF:FFF
@A00721:190:HGJW7DSXY:4:1156:18584:3677_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1125:15691:6277_1:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTC
TCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGA
AAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2578:19452:13197_2:N:0:TCTGCAAG+GCTGCACT
CATACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTGTCGGGAGGTA
CTGAAGCCTTCCCCTCCGCTGGCACGAAGAAGTCCCAAGCCAATCA
+
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:F:FF,,FFFFFFFFFFFFFFFFFFFFFFFF
FF,F:
@A00721:190:HGJW7DSXY:4:1515:27877:19805_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGTCCATCAGGACCTAAGAAGG
GAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTG
+
FFFFFFFFFFFFFF:,FF:FFFFFFFFFFFFFF:FFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFF:FFFF:F
@A00721:190:HGJW7DSXY:4:2603:23601:31469_1:N:0:TCTGCAAG+GCTGCACT
GCTGAAGCGGCTTGGGTCAATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCA
AGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACCTGAGGACGAAGGT
GAG
+
FFFFFFFFF:FF
FF:FFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2577:21404:9251_1:N:0:TCTGCAAG+GCTGCACT
CGATCTCTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACC
GAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTACTATTTTTGCCAGAAATGCG
GGC
+
FF
FFFFFF:FF:FFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1266:7997:7607_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGTTACCACTTCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA

TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+

:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2474:14705:4351_1:N:0:TCTGCAAG+GCTGCACT
AAGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCTAACTTCGAGGTTTCAGCTACGAGAGGTGATCC
CGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTG
AGA

+

F,FFFF:FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2578:6668:4178_1:N:0:TCTGCAAG+GCTGCACT
ATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACT
GATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGA
TGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2668:3595:23844_1:N:0:TCTGCAAG+GCTGCACT
AACATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGA
CGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGACA
CTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1675:13729:27649_1:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATG
AGT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1433:18168:6746_1:N:0:TCTGCAAG+GCTGCACT
GGGAGTTCTTGAAGCATCCCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTA
ATCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAG

+

FFF:FFFFFFFFF,:FF:FFF:,FF
FFFFFFFF:FF:FF,FFFFFFFFF:F:FFFF::FFFFFFFFF::FFF,FFFF:FFFFF:FFFFF:,::F

@A00721:190:HGJW7DSXY:4:1616:2311:36652_1:N:0:TCTGCAAG+GCTGCACT
TCGCCTCTTGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGT
TTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGG
AGG

+

FFF:FF,FF:FF,FFF,:FFFF:FFF,:FF:F::FF:FF,FF::FFFFFFFFFFFFF:,FFFF,FF,F
FFFFFFFFFFF,F:FFFFFFFFF,FFFFFFFFFFFFFFFFF::FF:FFFF:FFFF:FF,:FFF:FF:,FFFF
FFF

@A00721:190:HGJW7DSXY:4:2559:14742:29935_1:N:0:TCTGCAAG+GCTGCACT
AAGATATTTTCATGAAAACCTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTT

CGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTTAT
GAC

+

FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2519:14705:16438_2:N:0:TCTGCAAG+GCTGCACT
ACTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTC
AGGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGC

+

FFFFFFFFF::FFFFF::FFFF::FFF::FF,,F,:FFFFFFFFFFFFFF:FFF,,F,FFFF:F:FFFF
FFFFFFFFFFFFFFFF::FFFFFFFF:FFFF:FFFF,FFF:FFFFFFFF:

@A00721:190:HGJW7DSXY:4:2446:12337:18255_2:N:0:TCTGCAAG+GCTGCACT
GAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAAT
GAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGC

+

FF
FF:FF

@A00721:190:HGJW7DSXY:4:2423:1344:36229_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTT
CTA

+

FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFF:FFF
FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1243:6072:17300_2:N:0:TCTGCAAG+GCTGCACT
TCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTC
TATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATAT

+

FF:FFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF::FFFFF,FFF,FFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1455:13232:20087_1:N:0:TCTGCAAG+GCTGCACT
TATATTTTTTATCTAAACCAATCTCAACTATGAAAACCTTTTTTCTTCATTAATTTAATAATACA
TGAGAAAATCCGAAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT

+

FF:F,FF,:F,,F,F,F:F:FF,,FF,F,:,,F,F,,,::,FFF,F:,,,F,F:,,FF:,:,,,F
,,F,F,,,F,,,::,,,FFF,FFFFFFFF:,FFF,FF:FFFFFFFF:FFFF,,FF:F::FFF:

@A00721:190:HGJW7DSXY:4:2124:27624:4304_2:N:0:TCTGCAAG+GCTGCACT
TCAAAGCTCTATTTATTAAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCG
ACTTTAGTCAAGGAAGTCAATTCTTCGATGTTTATATTTTTCTATA

+

FFFF:FF,FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF,FF

@A00721:190:HGJW7DSXY:4:1162:3405:26459_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG

+

:FFFF,,,FF:FFFFFFF,FF,F,FF,FF:,FFFFFF:FFF:FFFF,F,:FFFFFFFF:FFFFFFFF
FFFFF:,FFFFFFF,,F:FFFFFFF::FFF:FFFFF:,FFFFFF:FFFFFFFFFFFFFFFF:F,FF:F
FFF

@A00721:190:HGJW7DSXY:4:1251:18936:31751_1:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTC

TCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGA
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1120:13322:21402_1:N:0:TCTGCAAG+GCTGCACT
TACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACT
GAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGA
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1571:32099:1470_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGG
GGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2634:29342:12477_1:N:0:TCTGCAAG+GCTGCACT
GCTGAAGGCGGCTTGGGTCAATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCA
AGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGT
GAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1255:3188:20322_2:N:0:TCTGCAAG+GCTGCACT
GAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGA
GGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1273:19777:24846_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGTTACCACTTCTTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+

FF:FFFFFFFF:FF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2444:23529:27993_1:N:0:TCTGCAAG+GCTGCACT
AGGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAAGTTCGAGGTTTCTAGCTACGAGAGGTGATCCC
GGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGA
GA

+

FFFFFFFF:F,F,FF
FF
FF

@A00721:190:HGJW7DSXY:4:2603:16269:17581_1:N:0:TCTGCAAG+GCTGCACT
ATGACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACT
GATTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTACAGGGTGCCTGA
TGA

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1248:5249:6198_1:N:0:TCTGCAAG+GCTGCACT
ATCAACGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGT
TTGTCGCGAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGACACTA
TGG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2139:1904:3380_1:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCTT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATG
AGT
+
FF,F
FF
FFF
@A00721:190:HGJW7DSXY:4:1226:32714:2284_1:N:0:TCTGCAAG+GCTGCACT
GGAGTTCTTGAAGCATCCCTACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAA
TCCTGATTCTACTACGGATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGA
TCG
+
FFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2113:21893:3020_1:N:0:TCTGCAAG+GCTGCACT
TCGCCTCTTGAATGAAGTTTTAATGCTTAACAACAATGATAGTGAATTTATACCTACAATCATTGGT
TTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACTGTCAGGG
AGG
+
FF:FFF,FF:FFFF,F::FFF,FFFFFFFFFFFFFFFFF,FF:F:F,F:FF::FFFFF,,FFFFFFF:
,FFFFFF:FFF,FFF,:F::FF,,FFFFFF:FFF,F,:F:, :FFFF,:F:FFFF,FF:F,,FFFF:F
FFF
@A00721:190:HGJW7DSXY:4:2615:31548:23343_1:N:0:TCTGCAAG+GCTGCACT
AAGATATTTTCATGAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTT
CGGCCGCTCTCTTTCGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTTTAT
GAC
+
:F:FFFFFFFF:FFFFFFFFFFFF,:F:FFF:, ,FFFFFFFF:FFFFFFFF:FFFFFFFFFFFF:F,:FF
F:::F:F::,FFFF,FF:F:FFFF,:FFFFFFFF::,FFFF::F::,FFFFFFFFFFFFFFFF:F
:F:
@A00721:190:HGJW7DSXY:4:1253:17698:31360_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTCA
GGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGG
TAC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2546:31331:26976_2:N:0:TCTGCAAG+GCTGCACT
GAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAAT

GAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGC

+

FF
:FFFFFFFF:FFFFFF:FF

@A00721:190:HGJW7DSXY:4:2476:29161:27289_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTGCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA

+

FF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF,:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:F:
F:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1345:18738:31125_2:N:0:TCTGCAAG+GCTGCACT
TCGGTCATTTACTCTGTACTTGATCTACGTCGTTAACTGTCGGAACAACCTTTACTTAGAATGACTC
TATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATAT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:F:F:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF:FFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1663:31910:37027_1:N:0:TCTGCAAG+GCTGCACT
ACGGCATACCCTATCTTGCAGAGTGACTGTAGTTCAGACGTGTGCTCTTCCGATCTCGTAATACACGA
AGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATNAAAGTCCCTTCTAACTTTAGATT

+

F,,,F::,,,,,:F:F,,,::,F,FF,,:F::,,,,:F,FF,:FF:F:FF::FF,FFFFFF,::F
,:::,F,FF:,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF#FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2472:31358:27868_2:N:0:TCTGCAAG+GCTGCACT
TCAAAGCTCTATTTATTAAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCG
ACTTTAGTCAAGGAACCTCAATTCCTTCGATGTTTATATTTTCTATA

+

FFF,,FFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:1235:31910:15389_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG

+

FFFFFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFF,FFFFFF:F:FFFFFFFFFFFF:FFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1403:2031:29590_1:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTC
TCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGA
AAA

+

FFFFFFFFFFFFFFFF:FFFF:FF,FFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1165:23764:1752_1:N:0:TCTGCAAG+GCTGCACT
TACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACT
GAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGA
AAA

+

FFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1521:8115:11350_1:N:0:TCTGCAAG+GCTGCACT
GGAGTTCTTGAAGCATCCCTACCTTTCCTTGTGAAAATTTTGATGCGTTTCATAAGATTATCAGTAA
TCCTGATTCTACTACGGATTTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGA
TCG

@A00721:190:HGJW7DSXY:4:2214:21377:33191_1:N:0:TCTGCAAG+GCTGCACT
TCGCCTCTTCGAATGAAGTTTTAATGCTTGACAACAATGATAGTGAATTTATACCTACAATCATTGGT
TTTTCTAATAATGATGACACTATTGTTTATGGATATGATGCTATTACTCATGATGGTTACGGTCAGGG
AGG

@A00721:190:HGJW7DSXY:4:1212:25970:26866_2:N:0:TCTGCAAG+GCTGCACT
AAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTT
TGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCCTACGT

@A00721:190:HGJW7DSXY:4:2110:1398:10050_1:N:0:TCTGCAAG+GCTGCACT
CTTCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCA
GGAGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGG
TAC

@A00721:190:HGJW7DSXY:4:2645:8305:29841_2:N:0:TCTGCAAG+GCTGCACT
GAAGGGATAGTTTTTACCTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAT
GAAGGACACTTCGAAACTGAATAATGATGCACTACAAACAAGTATCGC

@A00721:190:HGJW7DSXY:4:2566:19009:27242_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA

@A00721:190:HGJW7DSXY:4:2151:1127:17910_2:N:0:TCTGCAAG+GCTGCACT
TCGGTCATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTC
TATCTTTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATAT

@A00721:190:HGJW7DSXY:4:1218:6307:32424_1:N:0:TCTGCAAG+GCTGCACT
ATTTTATTCTATACACCCATCACAACGAGTATAAAGCGTTTTTCCGTCCTTAATAAATACACCAAG

AGATCATCCGCACACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT
+
:FFF,,,:,,,:F,FF,,,:,,,:F,F:,F,,,FFF,F,,,F,F,F,,,F:,,F:,F,,
,,F,,F,F:,F,FF:FFFFFF
@A00721:190:HGJW7DSXY:4:2576:5122:25864_2:N:0:TCTGCAAG+GCTGCACT
TCAAAGCTCTATTTATTAAACGAAGTATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCG
ACTTTAGTCAAGGAAGTCAATTCTTCGATGTTTATATTTTTCTATA
+
FF
FFFFFFFFFFFFFFFF:FFFFFFFF:FFF,FFFFFFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1317:18231:24173_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG
+
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1607:23095:15186_1:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATACTTGACTGTTGATAATATTACAATAGCTCTTTC
TCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGA
AAA
+
FFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1174:15176:10050_1:N:0:TCTGCAAG+GCTGCACT
TACCAATCAATGATGTGACTATACAGTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACT
GAAGCCTTCCCCTCCGCTGGCACGAAGAAGTCTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGA
AAA
+
FFFFFFFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2140:15121:12962_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGAGGGGAAATGTCCCCAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAG
GGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFF
FF:FF
@A00721:190:HGJW7DSXY:4:2163:17282:19335_2:N:0:TCTGCAAG+GCTGCACT
CTGAAGGCGGCTTGGGTCATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCA
GACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATT
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1515:16938:15295_2:N:0:TCTGCAAG+GCTGCACT
GAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGA
GGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACT
+
FF
FF:,FF
@A00721:190:HGJW7DSXY:4:1327:26087:10254_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGTTACCACTTCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA

TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+

FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2364:28691:24439_2:N:0:TCTGCAAG+GCTGCACT
GGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACAGTACGAGAGGTGATCCCG
GATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATG

+

FF
FFFF,FF

@A00721:190:HGJW7DSXY:4:1238:10637:12273_1:N:0:TCTGCAAG+GCTGCACT
GACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGA
TTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGTGCCCTGATG
AGG

+

FF,FFFFFF,FF,F:FF:F:FFF,F,FFFFFF::FFF:FFF:FFF,F,:F:,FFFFFF,:FF,
FFFFFFFF:FFFF,F:,F:FFF:FFFFFFFFFFFFFFFF:F:F::FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1419:27489:36730_1:N:0:TCTGCAAG+GCTGCACT
ATCAACGACATCATTCTTGATGAGTGTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGT
TTGTCGCGAACTCTCAGAGGTTTACGGCAGAAAATTTCTCCTGCTTGTAAATTCGAGAGAGGACACTA
TGG

+

:FFF,FFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:2619:26467:18427_1:N:0:TCTGCAAG+GCTGCACT
GACGACAAGCCTCAAGAGGGTAGAGGACCACCTGGATCTTCTACTGTCTCTGCCTTCCAAGATTTCGT
AGAAGAGGTTATTCCTGGAACCACCTTAACGTCACTCGGTAATCTTTCAGCCGAATTAAGTACTAATG
AGT

+

FFF:FF,FF,F,F,:FFFF,FFFFFF,,FFFFFF,FFFFFFFFFFFFFFFF:FF:,F:FFF,FFF,F
:FFFF:FFF:FFFFFFFFFFFFFFFF::FFFFFFFFFFFFFF,F,FFF:FFFF::FFF:FFFF
:FF

@A00721:190:HGJW7DSXY:4:2416:13223:10207_1:N:0:TCTGCAAG+GCTGCACT
GGAGTTCTTGAAGCATCCCTACCTTTCCTTGTGAAAATTTGATGCGGTTTCATAAGATTATCAGTAA
TCCTGATTCTACTACGGATTACATGGACCTTCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGA
TCG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1450:31078:34303_2:N:0:TCTGCAAG+GCTGCACT
ATTACTCATGATGGTTACGGTCAGGGAGGATTCTCAGTTTACAAGGACCTTAAGCGATGGATCGGGGT
TAATTCTAAACATTACCCGAAAGACGTGCTAAATTAACCATTGTA

+

FF
FFFFFFFFF:,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1403:5891:11475_2:N:0:TCTGCAAG+GCTGCACT
AAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTT
TGCTTCGAGGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGT

+

FF
FFF,FFF:,FFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1253:17698:31360_2:N:0:TCTGCAAG+GCTGCACT
TCTAATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTCAGG
AGTCCCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGC

+
FF
FF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2654:23710:28275_1:N:0:TCTGCAAG+GCTGCACT
TTTACCTCGACCAACATTAAGCGCGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTC
GAAACTGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTA
TAC

+
FF:FFFFFFFFFFFFFFFF:FFF
FF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2567:16450:9095_1:N:0:TCTGCAAG+GCTGCACT
ATTCAAGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGTGATAAAAATTATTTAGAGATCTTTT
CTA

+
FFF::FF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFF:FF
FFFFFFFF:FFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:F
FFF
@A00721:190:HGJW7DSXY:4:2367:13593:2675_2:N:0:TCTGCAAG+GCTGCACT
CATTTACTCTGTACTTGATCTACGTGTTAACTGTGGAACAACCTTTACTTAGAATGACTCTATCT
TTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTA

+
FF
FF
@A00721:190:HGJW7DSXY:4:1177:15673:15890_1:N:0:TCTGCAAG+GCTGCACT
TTTAGTCTATACCCCATCTCAACGAGTATAAAGCGAGTTTCCGTCCTGAACGTAATACACTACGAG
ATCATCCGAAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT

+
FFF:F:,F:,F,FFF::F:::,FF,FF:F:FF:FF,F:FFF,F,,:FFF,F,F,FFFF::FF,F,,F,
F::F:F:F,F:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFF
@A00721:190:HGJW7DSXY:4:1270:26729:11271_1:N:0:TCTGCAAG+GCTGCACT
TATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTC
AAGGAAC TTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGAC
AAA

+
FFFFFF:FF:FFFFFFFFFFFF:FFFF:F
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1318:1723:30812_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGCTATTTACCGCAA
AAG

+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1661:7970:12383_1:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTC

TCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGA
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1326:14199:28494_1:N:0:TCTGCAAG+GCTGCACT
TACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACT
GAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGA
AAA

+

FF:FFF::F::FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2214:12292:34209_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGG
GGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTG

+

FFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1151:29912:34350_1:N:0:TCTGCAAG+GCTGCACT
AAGGCGGCTTGGGTCATTAAGGGTAGCTTTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGAC
TCTCTACAGTAGGTTTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAATGTGAGA
GGA

+

FFFFFFFFFFFFFFF,FFF,F:F::,FFF:,F::,FFFF:FF:FF,:FFF:F,FFFF,F:F,F,:F:FFF
F:FF:FF:FFF,FFF:FFF::FF:FF,:FF:F::,FF:FFFFFFFFFFFF:FFF:FFFFFFFFFF:FF
,F,

@A00721:190:HGJW7DSXY:4:1628:27977:16282_2:N:0:TCTGCAAG+GCTGCACT
GAGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGA
GGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACT

+

FFFFFFFFFFFFFFFFF:FF:FF::FFFFFFFFF::FFFFFFF::F:FFFFF
FFF,:FFFFFFFF:F:F,FF:FFFFFFFF,F:FFFF,FFFFFFFFF,F,

@A00721:190:HGJW7DSXY:4:1327:26151:10426_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAATCAGGGGTTACCAATTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+

F:FFFFFF,,:F,F,F,FF:F,FFF::F:FFFF::FF,F,F,FFF:,FFF,FFFFFFFF:FF,FFFF,F
,,F:FFFF:FFFFFFFFFFFF:FF:FFF,FFFF:FF,FF:FFFFFFFF:FFF:FFFFFFFFFFFF:F,F
FFF

@A00721:190:HGJW7DSXY:4:1218:26982:24455_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAGTACGAGAGGTGATCCCG
GATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAG
AAG

+

FFFF:FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1239:13711:31344_1:N:0:TCTGCAAG+GCTGCACT
GACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGA
TTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTACAGGTGCCCTGATG
AGG

@A00721:190:HGJW7DSXY:4:2654:23068:12508_2:N:0:TCTGCAAG+GCTGCACT
CATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCT
TTTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:2358:25382:29136_1:N:0:TCTGCAAG+GCTGCACT
TTTAGTCTCTACACCCATCTCAACTAGTATAAAGCTTGTTTTCCGTCCTGAACGTAATACACGATGAG
ATCATCCGAAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT

+

FF,:::,::,FFFFFF:F,,,FF:,,,::,F:F:,,,::,FFF::,FF,F,FF,,,FF::F:,,F,,,,
,F,FFF,F,,,FFFFFFFFF:FFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:1324:30346:28181_1:N:0:TCTGCAAG+GCTGCACT
TATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTC
AAGGAAC TTCAATTCCTTCGATGTTTATATTTTTCTATAAGGAAAATAGCAATAATCAAATTCGAC
AAA

+

FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1402:4725:34976_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2277:24424:20650_1:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTC
TCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGA
AAA

+

FFF:FFFFFF:FFFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFF:,FFFFFFFFFFFFFFFF:FFFF,FF
FFFFFFFFFFFFFFFF:FF:FFFFFFFFF:F
FFF

@A00721:190:HGJW7DSXY:4:1542:19614:29450_1:N:0:TCTGCAAG+GCTGCACT
TACCAATCAATGATGTGACTATACAGTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACT
GAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGA
AAA

+

FF
FFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2214:12536:35728_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGG
GGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTG

+

FF
FF,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:1668:17680:28667_1:N:0:TCTGCAAG+GCTGCACT
AAGGCGGCTTGGGTCAATTAAGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGAC
TCTCTACAGTAGGTTTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAATGTGAGA
GGA

[illegible]

```
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

[illegible][illegible][illegible][illegible][illegible] $+$

FF
FFFFFFFF,F:F:F:FFFFFFFFFFFFFFFFFFFFFFFF:FF:F:FFF
@A00721:190:HGJW7DSXY:4:1175:28357:36636_2:N:0:TCTGCAAG+GCTGCACT
ATTACGTTTGTACTCAGAGCTGGTCCTCTCAGCAAAGGATGCATGGTGTATCTCCTCAGGAGTC
CCGGCATTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATAT

+
FF
FFFFFFFFFFFFFFFF:FF,
@A00721:190:HGJW7DSXY:4:1266:25518:2816_1:N:0:TCTGCAAG+GCTGCACT
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTACCCAAAATGAAGGACACTTCGAAAC
TGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAA
TAT

+
FF,
FF
FFF
@A00721:190:HGJW7DSXY:4:2309:11306:3662_1:N:0:TCTGCAAG+GCTGCACT
CAGACGTGTGCTCTTCCGATCTCTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA

+
FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FFFF:FFFFFFFF
FF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1274:8938:8609_2:N:0:TCTGCAAG+GCTGCACT
ATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACTCTATCTT
TTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAA

+
FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1443:9824:11365_1:N:0:TCTGCAAG+GCTGCACT
CATACGCGATCTTGCAGTGTGACTGGAGTACAGACGTGTGCTCTTCCGATCTCTTAATACACTAAGAG
ATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT

+
F::,F,,,::,F::,F,FF,,,::,F::,F::F::,FFF:F:,F,,,::,F::FFF:,F::,
F,,,FF,,F,FF
@A00721:190:HGJW7DSXY:4:1421:1208:2675_1:N:0:TCTGCAAG+GCTGCACT
TATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTC
AAGGAAC TTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTCGAC
AAA

+
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF,FF:FFFFFFFF
FF:
@A00721:190:HGJW7DSXY:4:1435:12057:18458_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGCTATTTACCGCAA
AAG

+
FFFFF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2368:1976:29904_1:N:0:TCTGCAAG+GCTGCACT
TATTTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTC

TCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGA
AAA

+

FFFFFFFF,FF
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1634:29993:12947_1:N:0:TCTGCAAG+GCTGCACT
TACCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACT
GAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGA
AAA

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2544:29722:12947_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGG
GGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTG

+

FF:FFF:FFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1433:4227:31516_1:N:0:TCTGCAAG+GCTGCACT
AGGCGGCTTGGGTCAATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACT
CTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAATGTGAGAG
GA

+

FFFF:FFFF:FFFFFFF,,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF:F:F:FFF
FFFF:F,FFFFFFFFFFFFFFFFFFFFF,F:::FFFFFFFFFFFF,:FFFF:,FFFF:FF,:FFFF::F:F
FF

@A00721:190:HGJW7DSXY:4:2528:11406:8782_1:N:0:TCTGCAAG+GCTGCACT
AGTCTTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCGAGAATGCGGGC
TTT

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF:FFFFFFFFFFFF,FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1405:26196:22060_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+

FFFFFFFFFFFF:FFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1606:8133:11130_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTCACTACGAGAGGTGATCCCG
GATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAG
AAG

+

:,:,F,:F:FF,F,,:FFFF:FFFF:FFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:F:FFFFFFF
FFFFFF:F,FFFFFFFFFFFF,FF,FFFFFFFFFFFF:F:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1521:6912:4883_1:N:0:TCTGCAAG+GCTGCACT
GACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGA

TTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATG
AGG

+

FFFFFF:FFFFFF:FFFF:FFFFFFF:FFFFFFF::FFFFFFFFFFFFFFF,FFFFFFF:FF:F:F
FFFF,FF,,FFF:FFFFFF:FF,FFFFFF:FFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2159:10321:2801_1:N:0:TCTGCAAG+GCTGCACT
ATCAACGACATCATTCTTGATGAGTGTCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGT
TTGTCGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTA
TGG

+

FFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2612:32443:18286_1:N:0:TCTGCAAG+GCTGCACT
CCCGACCTTCTCTTGTAATAATTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACG
GATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGG
TGA

+

FFFFFFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2305:10945:27367_2:N:0:TCTGCAAG+GCTGCACT
AAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTT
TGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGT

+

FFF
FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1602:23348:24486_2:N:0:TCTGCAAG+GCTGCACT
ATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTC
CCGGCATTGATAATAATGACGAGACTTTCGTCAATAATCGCTGCATAT

+

FF:FFFFFFFFF:FFF
FFFFFFF:FFF,FFFFFFF

@A00721:190:HGJW7DSXY:4:1301:13467:21433_1:N:0:TCTGCAAG+GCTGCACT
CTCGACCAACATTAAGGCGGCGGAATAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAAC
TGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAA
TAT

+

FF:FFF:F:F:FFF,FF,FFFF,FF,FFFF:,FF::F,FFFFFF,FFF,F:F:FFF,F,FFF,FFF:
F,FFFF:FFF:FF,FFFFFFFF:FFFFF,FF:F,FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF:
FFF

@A00721:190:HGJW7DSXY:4:2413:4752:35963_1:N:0:TCTGCAAG+GCTGCACT
CAGACGTGTGCTCTTCCGATCTCTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGATCTTTT
CTA

+

FFFFFFFFF:FFFFFFFFFFFFFF,FFF
:FFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1301:14678:30232_2:N:0:TCTGCAAG+GCTGCACT
ATTTACTCTGTACTTGATCTACGTGCTTAACTGTGGAACAACCTTTACTTAGAATGACTCTATCTT
TTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAA

+

@A00721:190:HGJW7DSXY:4:2652:6470:24690_1:N:0:TCTGCAAG+GCTGCACT
TTTAGTCTCTACCAATCTCAACGTGTATAACGCGAGTTTCCGTCCTGAACCTTAATACACTAAGAG
ATCACCCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAAT
CCT

@A00721:190:HGJW7DSXY:4:1435:15239:28604_1:N:0:TCTGCAAG+GCTGCACT
TATTTATTAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTC
AAGGAACCTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAATAGCAATAATCAAATTCGAC
AAA

@A00721:190:HGJW7DSXY:4:1540:27859:34178_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG

@A00721:190:HGJW7DSXY:4:1260:3468:24878_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCA
GAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTACT

@A00721:190:HGJW7DSXY:4:2416:29315:30279_1:N:0:TCTGCAAG+GCTGCACT
TACCAATCAATGATGTGACTATACAGTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACT
GAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGA
AAA

@A00721:190:HGJW7DSXY:4:2552:2871:13322_2:N:0:TCTGCAAG+GCTGCACT
CAGGAAGAGGGGAAATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGG
GGAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTG

@A00721:190:HGJW7DSXY:4:2143:11415:32283_1:N:0:TCTGCAAG+GCTGCACT
AGGCGGCTTGCGTCATTAAGGGTAGCTGTAAAGTTGCGCTGCCGACCCCATCTTTGAGACCAAGACT
CTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCCTGAGGACGAATGTGAGAG
GA

```

FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

```

@A00721:190:HGJW7DSXY:4:1276:31801:32550_1:N:0:TCTGCAAG+GCTGCACT
CGATCTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCAGAATGCGGGC
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1449:15365:23093_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAAGTATGATTATCACT
CCT

+

FFFFFFFFFF:FFFFFFFFF:,FFF:
FFFFFFFFFFFFFFFFF:FFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1621:18240:17550_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTGAGTACGAGAGGTGATCCCG
GATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAG
AAG

+

FFF:FF:FF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1669:23411:7404_1:N:0:TCTGCAAG+GCTGCACT
GACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGTCTCCACTGA
TTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGTGCCCTGATG
AGG

+

FFFFFFFFFFFFFFF:FFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2258:15808:9549_1:N:0:TCTGCAAG+GCTGCACT
ATCAACGACATCATTCTTGATGAGTGTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGT
TTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTA
TGG

+

FFFFFFFFFFF:FFFFFFFFF:FFFFFFF:FFFFFFF,FFFFF,FFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFF,FFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1121:23095:23390_1:N:0:TCTGCAAG+GCTGCACT
CCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGG
ATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GAT

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2369:31114:14951_2:N:0:TCTGCAAG+GCTGCACT
AAAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTT
TGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGT

+

FFF,FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1602:24560:28557_2:N:0:TCTGCAAG+GCTGCACT
ATTTACGTTTGTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTC
CCGGCATTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2654:9525:30076_1:N:0:TCTGCAAG+GCTGCACT
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTTACCCAAAATGAAGGACACTTCGAAAC
TGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAA
TAT

+

FFFFFFFFFFFFFF,FFFFFFFFFFFF:FF:FFFFFFFFFFFF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2619:29107:15984_1:N:0:TCTGCAAG+GCTGCACT
CAGACGTGTGCTCTTCCGATCTCTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAA
GGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAAATTATTTAGAGATCTTTT
CTA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF::FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1667:15049:8547_2:N:0:TCTGCAAG+GCTGCACT
ATTTACTCTGTACTTGATCTACGTCGTTTAACTGTGCGGAACAACCTTTACTTAGAATGACTCTATCTT
TTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAA

+

FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2676:17535:15013_1:N:0:TCTGCAAG+GCTGCACT
TTTTGTCTCTACACCAATATAAACTTGTTTAAAGCTATTTTCCGACCTCACCTTAATAAACGATGAT
ATCTTCGGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAAT
CCT

+

FFF,:,,,:F,FF::,,,,FFF,:,,,:F,:,,,,FF,,,F,,,F,,,F,F,,,FFF,,,,,,F,:,,,
,:,,,,,,F,:FFFF,FFF:FFFFFFFF:FFFFFF,F:FF::FFFFFF:FFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:1435:15456:28792_1:N:0:TCTGCAAG+GCTGCACT
TATTTATTAAACGAATATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTC
AAGGAAC TTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTGAC
AAA

+

FFFFFFFFF:FFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1564:11261:4085_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1429:27254:1720_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCA

$+$

@A00721:190:HGJW7DSXY:4:2454:14579:25958_1:N:0:TCTGCAAG+GCTGCACT
TACCAATCAATGATGTGACTATACAGTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACT
GAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGA
AAA

+

@A00721:190:HGJW7DSXY:4:1154:25473:27539_2:N:0:TCTGCAAG+GCTGCACT
AGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGG
GAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGG

+

@A00721:190:HGJW7DSXY:4:1123:12264:4006_1:N:0:TCTGCAAG+GCTGCACT
TGCTCTTCCGATCTTTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTC
TCTACAGTAGGTTTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGG
ACT

+

@A00721:190:HGJW7DSXY:4:1446:16161:17801_1:N:0:TCTGCAAG+GCTGCACT
CGATCTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGC
TTT

+

@A00721:190:HGJW7DSXY:4:1453:15655:34773_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+

@A00721:190:HGJW7DSXY:4:2176:13838:34444_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCCG
GATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAGAATTGGGTTGAG
AAG

+

@A00721:190:HGJW7DSXY:4:2132:20256:24862_1:N:0:TCTGCAAG+GCTGCACT
GACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGA
TTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATG
AGG

+
FF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1665:6759:7999_1:N:0:TCTGCAAG+GCTGCACT
TCAACGACATCATTCTTGATGAGTGTCTGTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTT
TGTCGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCGAGAGAGGACACTAT
GG
+
FF
FF
FF
@A00721:190:HGJW7DSXY:4:1544:1425:16799_1:N:0:TCTGCAAG+GCTGCACT
CCGACCTTTCCTTGTAATAATTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGG
ATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GAT
+
FFFFF::FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2628:27570:15264_2:N:0:TCTGCAAG+GCTGCACT
AAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTT
TGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGT
+
FF
FFF:FF
@A00721:190:HGJW7DSXY:4:2102:9299:12962_2:N:0:TCTGCAAG+GCTGCACT
ATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTC
CCGGCATTGATAATAATGACGAGACTTTCGTCTAATCGCTGCATAT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2658:31711:24627_1:N:0:TCTGCAAG+GCTGCACT
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTTACCCAAAATGAAGGACACTTCGAAAC
TGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAA
TAT
+
FFFFFFFFFFFFFFFFFFFF:FFFFFF:F,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1174:28899:15405_2:N:0:TCTGCAAG+GCTGCACT
AGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTT
TGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2124:15022:35869_2:N:0:TCTGCAAG+GCTGCACT
ATTTACTCTGTACTTGATCTACGTGTTTAACTGTGGAACAACCTTTACTTAGAATGACTCTATCTT
TTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2469:26811:6558_1:N:0:TCTGCAAG+GCTGCACT
TCTATACACCAATCTAAACGAGTATAAAGCGTGTTTTCCGTCGGAACCTAATACACGAAGAGATCAT

CCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGC
CTT

+

:FF,,FF,FF,F,,,,FF:,,F,F,FF,F,,,,:FFF:F,,,F:,,FF:,,,,:F:,FFF,:F,
FF,FF:FFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2632:13078:31407_1:N:0:TCTGCAAG+GCTGCACT
TATTTATTAAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTC
AAGGAAC TTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTCGAC
AAA

+

FFFFFFFFFFFF:FF:FFF
FFFFFFFF:FFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1577:24234:25927_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG

+

F:FFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1471:20446:32737_2:N:0:TCTGCAAG+GCTGCACT
TTCAC TTATACTTTAAATAGCACCGATTATAA CTTGACTGTTGATAATATTACAATAGCTCTTTCTCA
GAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTACT

+

FFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2535:7609:30890_1:N:0:TCTGCAAG+GCTGCACT
TACCCATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACT
GAAGCCTTCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGA
AAA

+

FFFF,,FFF,FFF,FFF
FFFF:FFFFF:FFFFFFFFF:F:FFFF:FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF:F:FFF
FFF

@A00721:190:HGJW7DSXY:4:1219:15989:17096_2:N:0:TCTGCAAG+GCTGCACT
AGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGG
GAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGG

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:2174:29414:29951_1:N:0:TCTGCAAG+GCTGCACT
TGCTCTTCCGATCTTTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTC
TCTACAGTAGGTTTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGG
ACT

+

FFFF:FFFFFFFF:FFFFFFFF:FFFFF:F,FFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF::FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF,FFFFF:FFFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:2126:14606:4335_1:N:0:TCTGCAAG+GCTGCACT
CGATCTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTACCCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGC
TTT

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1537:20401:26929_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAAGTGATGATTATCACT
CCT
+
F,F:FFF:FFFFFFFFFFFF:FFFFFFFFFFFF::FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2323:26323:25222_1:N:0:TCTGCAAG+GCTGCACT
GGAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCCG
GATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAG
AAG
+
FF:FFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2155:28194:35446_1:N:0:TCTGCAAG+GCTGCACT
GACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGA
TTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATG
AGG
+
FFFFFF:FFFFFFFFFFFF:FF
:FF
FFF
@A00721:190:HGJW7DSXY:4:2363:14823:36338_1:N:0:TCTGCAAG+GCTGCACT
TCAACGACATCATTCTTGATGAGTGTGCTTCTTATCGAAGTCTCAGTTATCGCTGCCCGGCCGACGTT
TGTCGCGAACTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGAATTCGAGAGAGGACACTAT
GG
+
FF:FFFF:FF
FF
FF
@A00721:190:HGJW7DSXY:4:1562:20582:7200_1:N:0:TCTGCAAG+GCTGCACT
CCGACCTTCTTGTGAAAATTTTGATGCGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGG
ATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GAT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1151:8495:15233_2:N:0:TCTGCAAG+GCTGCACT
AAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTT
GCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTA
+
F,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFF
:,FF:FFFFFFFF:FFF:FFF:FF:F:F:FFFFFF:FFFF:FFF:FF
@A00721:190:HGJW7DSXY:4:2129:31123:31720_2:N:0:TCTGCAAG+GCTGCACT
ATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGATGCATGGTGTATCTCCTCAGGAGTC
CCGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATAT
+

FFFFFF:FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFF,:FFFFFFFFFFFFFFFFFFFFFF
FFFFFF:FFFFFFFFFFFFFF:,FFFFFFFFF:FFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2669:9516:2816_1:N:0:TCTGCAAG+GCTGCACT
CTCGACCAACATTAAGGCGGCGGCGACTAATCTTAAAGCTTCACCCAAAATGAAGGACACTTCGAAAC
TGAATAATGATGCACTACAAACAAGTATCGCTAATCATCTGAAAAAGGCTCTAAAGGACACTATACAA
TAT
+
FFFFFF,FF::FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1471:15393:31062_2:N:0:TCTGCAAG+GCTGCACT
AGCTTGTCGTTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTT
TGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATT
+
FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:,FFFFF
FFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFF,FF
@A00721:190:HGJW7DSXY:4:2341:12924:29356_2:N:0:TCTGCAAG+GCTGCACT
ATTTACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTT
TTCAGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAA
+
FFF
FFF
@A00721:190:HGJW7DSXY:4:1211:4381:34162_2:N:0:TCTGCAAG+GCTGCACT
CTCTACACCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATC
CGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAAC
+
FF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1631:14425:10786_1:N:0:TCTGCAAG+GCTGCACT
TAAACGAAC TATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAC
TTCAATTCCTTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTT
AGA
+
FFFFFFFFFFFFFFF,FFF
FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FFFF
FFF
@A00721:190:HGJW7DSXY:4:1631:12319:11052_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGTAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTTATATTCAGCGTATACTTGAATACTTTATCATAGATTTGGCTTGGTCTATTTACCGCAA
AAG
+
F:F,F,F,,FF:,FFF,F:FFF,,F,FFF::FFFF:FFFF:,:::,FF,F,,F,FFFFFFFFF:F
F,,FFFF:, ,FFFF,,F,FF::F,FFF:F:FFFF,,:, ,F,FFFFFFFFF:, :FFFFFF,F,,F,F,
,FF
@A00721:190:HGJW7DSXY:4:1511:24894:20400_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCA
GAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACT
+
FFF
FF:F
@A00721:190:HGJW7DSXY:4:1265:1389:11506_1:N:0:TCTGCAAG+GCTGCACT
CCAATCAATGATGTGACTATACAGTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGA
AGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAA
AGG

FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1653:28393:30091_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTATACTTTAAATAGCACCGATTATAAATTGACTGTTGATAATATTACAATAGCTCTTTCTCA
GAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTACT

+
FFFFFFFFFFFFFFFFFFFF,FFF
FFFFFFFFFFFFFF:FF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1378:25310:24220_1:N:0:TCTGCAAG+GCTGCACT
CCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGA
AGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAA
AGG

+
FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2534:5177:13338_2:N:0:TCTGCAAG+GCTGCACT
AGGAAGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGG
GAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGG

+
FFF
FFF

@A00721:190:HGJW7DSXY:4:1234:21034:27837_2:N:0:TCTGCAAG+GCTGCACT
CATTAAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGT
TCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAG

+
FFF
FFFFFFFFFFFF:FFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:2503:25518:3443_1:N:0:TCTGCAAG+GCTGCACT
CGATCTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCAGAATGCGGGC
TTT

+
FFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFF
FFF

@A00721:190:HGJW7DSXY:4:2147:6497:36385_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+
FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1218:26386:24236_1:N:0:TCTGCAAG+GCTGCACT
GAGGCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACAGCTACGAGAGGTGATCCCGG
ATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGA
AG

+
FFF:F,F:FFFFFFFFF:FFF
FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2220:16152:17628_1:N:0:TCTGCAAG+GCTGCACT
GACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGA

TTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATG
AGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2566:17969:5087_1:N:0:TCTGCAAG+GCTGCACT
ATCGAAGTCTCAGTTATCGCTGCCCCGCCGACGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAA
ATTTCTCCTGCTTGTAAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTT
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2415:26332:13745_1:N:0:TCTGCAAG+GCTGCACT
CCGACCTTTCCTTGTGAAAATTTTGATGCGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGG
ATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GAT

+

FFFFFFFFFFFF:FFFF::FF,FFFFFFFF::FFF:FFFFFFFF
FF:FFF,FFF:FFFF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1232:6280:29027_2:N:0:TCTGCAAG+GCTGCACT
AAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTT
GCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTA

+

FFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2305:15438:24439_2:N:0:TCTGCAAG+GCTGCACT
ATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTC
CCGGCATTGATAATAATGACGAGACTTTCGTGATAATCGCTGCATAT

+

FFF:FFFFFFFF
:FF:FFFF

@A00721:190:HGJW7DSXY:4:1553:24388:26381_2:N:0:TCTGCAAG+GCTGCACT
AGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTT
TGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATT

+

FFFFFFFFFFFFFF:FFF,FFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1118:22245:31000_2:N:0:TCTGCAAG+GCTGCACT
TACTCTGTACTTGATCTACGTCGTTTAACTGTGGAACAACCTTTACTTAGAATGACTCTATCTTTTC
AGACACTTCTTATATTATTACAATAGTTAATATCATATTAGTAATAC

+

FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F,FF,FFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF,FF:F,FFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1354:24216:6386_2:N:0:TCTGCAAG+GCTGCACT
CTCTACACCATCTCAACGAGGATAAAGCGAGTTTCCGTCCTGAACGTAATACACGAAGAGATCATC
CGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAAC

+

FFF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2369:9652:12352_1:N:0:TCTGCAAG+GCTGCACT
TAAACGAACATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAAC

TTCAATTCCTTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTTTCGACAAATTTT
AGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2122:24279:15828_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTACGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2262:28736:4476_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCA
GAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACT

+

FFFFFFFF:FF,FFF
FFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFF,FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1451:30255:25394_1:N:0:TCTGCAAG+GCTGCACT
CCAATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGA
AGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAA
AGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2534:5791:13870_2:N:0:TCTGCAAG+GCTGCACT
AGGAAGAGGGGAAATGTCCCAAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGG
GAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGG

+

FFFFF:FFFFF:FFFFFFFFFF:FFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1234:21160:29058_2:N:0:TCTGCAAG+GCTGCACT
CATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGT
TCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FFFFFFF:FF,FFF

@A00721:190:HGJW7DSXY:4:2508:11107:34663_1:N:0:TCTGCAAG+GCTGCACT
CGATCTGAAGGACTTAGGTTGGCATATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAG
GTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTGGCCAGAATGCGGGC
TTT

+

FF
FF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2316:8395:28244_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+

FF:FFFFFFFFFFFF:FFFFF:FF

FF
FFF

@A00721:190:HGJW7DSXY:4:2427:20021:15217_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTTCAGCTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

+
FF:FFFFFFFFFFFFFFFF:FFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2273:7771:5024_1:N:0:TCTGCAAG+GCTGCACT
GACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGTCTCCACTGA
TTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATG
AGG

+
FFFFFFFF:FFFFFFFF: ,F,FFF,:FF: ,FFFFFFFF:FFF:FFF::F::: :FFFFFF:FF:
FFF:FFFFFFFF:F,FFF,FFFFFFFFFFFFFFFF: :FFFF:FF, :FFFFFFFFFFFF:FFFFFFF
:F:

@A00721:190:HGJW7DSXY:4:1354:6008:8390_1:N:0:TCTGCAAG+GCTGCACT
TCGAAGTCTCAGTTATCGCTGCCCGGCCGGCGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAA
TTTCTCCTGCTTGTAAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTC
GAA

+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2504:23014:18490_1:N:0:TCTGCAAG+GCTGCACT
CCGACCTTTCCTTGTGAAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGG
ATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GAT

+
FFF:FFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1402:2202:3803_2:N:0:TCTGCAAG+GCTGCACT
AAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTT
GCTTCGATGTTGGATGTCAAGAAGGGTTTCAGAAATGGGATTCCTACGTA

+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF:FFF:F,FFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFF,

@A00721:190:HGJW7DSXY:4:2347:16269:24283_2:N:0:TCTGCAAG+GCTGCACT
ATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGATGCATGGTGTTATCTCCTCAGGAGTC
CCGGCATTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATAT

+
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFF,FFFFFFFF:FFFFFF

@A00721:190:HGJW7DSXY:4:2217:25500:1595_2:N:0:TCTGCAAG+GCTGCACT
AGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTT
TGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAATT

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFF:FFFFFFFFFF,FF:FFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1118:22453:30107_2:N:0:TCTGCAAG+GCTGCACT
TACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTC

AGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATAC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFF:FFFFFFFF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1417:31937:9142_2:N:0:TCTGCAAG+GCTGCACT
CTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATC
CGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAAC

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:1269:25247:31469_1:N:0:TCTGCAAG+GCTGCACT
TATTATCCGATTCTTCGAGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTCAATTCC
TTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTA
TTT

+

F:FF:FFFFFFFFFFFFFFFFFFFFFF,FFF
FFFFFFFF,FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2134:21079:30608_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG

+

F:FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2402:14597:14497_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTATACTTTAAATAGCACCGATTATAAATTGACTGTTGATAATATTACAATAGCTCTTTCTCA
GAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTACT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F

@A00721:190:HGJW7DSXY:4:2148:4146:4163_1:N:0:TCTGCAAG+GCTGCACT
CCAATCAATGATGTGACTATACAGTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGA
AGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAA
AGG

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2633:16251:11506_2:N:0:TCTGCAAG+GCTGCACT
AGGAAGAGGGGAAATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGG
GAAATTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGG

+

:FFF::F:F,,::FF::FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFF,FF,FFFF:FF:FFF:
FFF,FFFF:FFFF:FFFF,FF:FFFFFFFF,F,FFF:FF:F

@A00721:190:HGJW7DSXY:4:1456:13114:9079_2:N:0:TCTGCAAG+GCTGCACT
CATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCATCTTTGAGACCAAGACTCTCTACAGTAGGT
TCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAG

+

FFFFFFFFF:FF:F:FFFFFF
F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2443:22661:18192_2:N:0:TCTGCAAG+GCTGCACT
TATTTATGCCGACGATAATAAGCATGTCACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAG

AGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCAGAATGCGGGCCTTC
+
FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFF:F:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2353:5565:15546_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGTTACCACTTCTTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAAGTGATGATTATCACT
CCT
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,
FF
FFF
@A00721:190:HGJW7DSXY:4:2534:19117:6825_1:N:0:TCTGCAAG+GCTGCACT
GCTGATCATGGAGTCTTTGTACCTTCTGTCAAACCTTCGAGGTTACGCTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG
+
FF,F,FFFFFFFF:FFFFF,FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2328:20509:20071_1:N:0:TCTGCAAG+GCTGCACT
GACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGA
TTCGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATG
AGG
+
FFFF:FFFFFFFF: ,FF
FFFF,::FFFFFFFF:FF:FF:FF:FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2567:26847:36808_1:N:0:TCTGCAAG+GCTGCACT
TCGAAGTCTCAGTTATCGCTGCCCCGCCGACGTTTGTGCGAACTCTCAGAGGTTTACGGCAGAAAAA
TTTCTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTC
GAA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2517:30807:36213_1:N:0:TCTGCAAG+GCTGCACT
CCGACCTTCTTGTGAAAATTTTGATGCGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGG
ATTCATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGT
GAT
+
FFFF:FFFFFFFF:FF:FFFFFF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1403:13205:18129_2:N:0:TCTGCAAG+GCTGCACT
AAACTACAGAGGAACGTACCGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTT
GCTTCGATGTTGGATGTCAAGAAGGGTTCAGAAATGGGATTCCTACGTA
+
FFFFFFFFFFFFFF:FF
F:FFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1126:19343:29262_2:N:0:TCTGCAAG+GCTGCACT
ATTTACGTTTGTACTCAGAGCTGGTCTCTCAGCAAAGGATGCATGGTGTATCTCCTCAGGAGTC
CCGGCATTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATAT
+

FF
FF, FFFFFF
@A00721:190:HGJW7DSXY:4:2341:7871:24862_2:N:0:TCTGCAAG+GCTGCACT
AGCTTGTCTGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCCAGACTCAAGGAGTCCAATCAAATGTTT
TGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATT
+
FFFFF:FFFF,,FFF:FF:FFFF,FFFFFFFFF,:F:FF:FFFFFFFF::F,F,FFFFF,:FF,:,:F
F:FFFFFFFF,:FF:::FFFF:F:FFFF:F:,F,,F:FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1206:25446:3944_2:N:0:TCTGCAAG+GCTGCACT
TACTCTGTACTTGATCTACGTCTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTC
AGACACTTCTTATATTATTACAATAGTTAATATCATATTAGTAATAC
+
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
FF
@A00721:190:HGJW7DSXY:4:1453:5421:4993_2:N:0:TCTGCAAG+GCTGCACT
CTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATC
CGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAAC
+
FF, FFFFFFFFFFFFFFFFFFFFFFFFFF
FF:
@A00721:190:HGJW7DSXY:4:1639:7771:6965_1:N:0:TCTGCAAG+GCTGCACT
TATTATCCGATTCTTCGAGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTTCAATTCC
TTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTA
TTT
+
FFFF:FFFFFF:FFFFFFF:FFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
F:F
@A00721:190:HGJW7DSXY:4:2252:21694:25097_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG
+
F:FF:FFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2404:12753:4977_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTATACTTTAAATAGCACCGATTATAAATTGACTGTTGATAATATTACAATAGCTCTTTCTCA
GAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTACT
+
FFFFF:FFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF:FFF:FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2357:9191:32628_1:N:0:TCTGCAAG+GCTGCACT
GGAGTTCAGACGTGTGCTCTTCCGATCTGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGA
AGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAA
AGG
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2667:28989:11929_2:N:0:TCTGCAAG+GCTGCACT
AGGAAGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGG
GAAATTACCCCTAATTCTGAAGGAAGATCTCCACCATCTGGGGTTGG
+

[illegible]

@A00721:190:HGJW7DSXY:4:1431:9977:25034_2:N:0:TCTGCAAG+GCTGCACT
AAACCACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTT
GCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTA

+

FF
F:FF

@A00721:190:HGJW7DSXY:4:1133:18105:17127_2:N:0:TCTGCAAG+GCTGCACT
ATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGATGCATGGTGTTATCTCCTCAGGAGTC
CCGGCATTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATAT

+

FFF:FF
FF

@A00721:190:HGJW7DSXY:4:2415:3812:11005_2:N:0:TCTGCAAG+GCTGCACT
AGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGTTTT
TGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAAGT

+

FFFFFFFFF:FFFFFFFF:FFFFFFFFF:FFFFFFFFF,FFFFFFFFFFF,FFFFFFFFFFF,F,FF:
FF:FFFF,FFFF:FFFFFFFF:FFFFFFFFFF,FF,FFFF:FFFF:,:

@A00721:190:HGJW7DSXY:4:1208:20103:15828_2:N:0:TCTGCAAG+GCTGCACT
TACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTC
AGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATAC

+

FF:F,FFFFFFFFF:FF::FFFFFF,,:FFFFFFFFF:FF::FFF:,FFF:FFFF:F:FFF,FFFF
FFFF:FF

@A00721:190:HGJW7DSXY:4:1535:8395:29277_2:N:0:TCTGCAAG+GCTGCACT
CTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATC
CGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2204:16034:31391_1:N:0:TCTGCAAG+GCTGCACT
TATTATCCGATTCTTCGAGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTTCAATTCC
TTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTAGAACTTTA
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2261:10809:30639_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG

+

F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2408:23005:18568_2:N:0:TCTGCAAG+GCTGCACT
TTTACTTATACTTTAAATAGCACCGATTATAAATTGACTGTTGATAATATTACAATAGCTCTTTCTCA
GAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTACT

+

FFFFFFFFFFFFFFFFF,FFF
FFFFF:FF

@A00721:190:HGJW7DSXY:4:2377:7455:23703_1:N:0:TCTGCAAG+GCTGCACT
GGAGTTCAGACGTGTGCTCTTCCGATCTGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGA

AGCCTTCCCCTCCGCTGGCACGAAGAACAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAA
AGG

+

FF:FF
:FFF:FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2344:17553:28761_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAAATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAA
TTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAA
AGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FF
FFF

@A00721:190:HGJW7DSXY:4:2646:14127:23578_2:N:0:TCTGCAAG+GCTGCACT
CATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCATCTTTGAGACCAAGACTCTCTACAGTAGGT
TCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAG

+

FF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2675:21414:27023_2:N:0:TCTGCAAG+GCTGCACT
TATTTATGCCGACGATAATAAGCATGTCAACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAG
AGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCAGAATGCGGGCTTTC

+

FF
FFFFFFFFFF,FF:FF:FFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2406:2555:31156_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+

FFFF,F:FFFFFFFFF:FFF:
FF
FFF

@A00721:190:HGJW7DSXY:4:1442:9200:13448_1:N:0:TCTGCAAG+GCTGCACT
GATCTTGACAGAGTGACTGGAGTTCAGACGTGTCTCTTCCGATCTGCTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

+

FFFFFFFFFFF:F:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2671:28022:24627_1:N:0:TCTGCAAG+GCTGCACT
GACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGA
TTCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATG
AGG

+

F::FFFFF,FFFF:FF:FF,FFF,FF:,FFF:F,,FFF:FFFF,FF:F,FFFFFFFFFFFF,,FFFF
FFF,FFFFFFFF:F,FF::FFFFFFFFFF,F:FFFFFFFFF:,F:F::FFFFFFFF:F:FF:FFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:1170:23538:17613_1:N:0:TCTGCAAG+GCTGCACT
AAGTCTCAGTTATCGCTGCCCGGCCGACGTTTGTGCGGAACTCTCAGAGGTTTACGGCAGAAAAATTT
CTCCTGCTTGTAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAA
TTT

FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1306:20021:21104_1:N:0:TCTGCAAG+GCTGCACT
TGCTCTTCCGATCTAAATTTTGATGCGGTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATT
CATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGAT
ATT
+
FFFFFFFFFF:FFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1533:26702:26663_2:N:0:TCTGCAAG+GCTGCACT
AAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGCCCGCTCTCTTT
GCTTCGATGTTGGATGTCAAGAAGGGTTTCAGAATGGGATTCCTACGTA
+
FFFFFFFFFFFFFF:FFF:
FFFF:FFFF:FFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1244:30192:29450_2:N:0:TCTGCAAG+GCTGCACT
ATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTCAGGAGTC
CCGGCATTGTGATAATAATGACGAGACTTTCGTCTATAATCGCTGCATAT
+
FF
FFF
@A00721:190:HGJW7DSXY:4:2470:5990:10614_2:N:0:TCTGCAAG+GCTGCACT
AGCTTGTCGTTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTT
TGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATT
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1225:29866:10723_2:N:0:TCTGCAAG+GCTGCACT
TACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTC
AGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATAC
+
FF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2130:23565:24518_2:N:0:TCTGCAAG+GCTGCACT
CTCTACACCCATCTCAACGAGGATAAAGCGAGTTTCCGTCCTGAACGTAATACACGAAGAGATCATC
CGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAAC
+
FF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2367:2727:18834_1:N:0:TCTGCAAG+GCTGCACT
TATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACCTTCAATTCC
TTCGATGTTTATATTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTA
TTT
+
FF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2266:2428:23359_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTG GTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG

```
+ :FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:  
FFF  
@A00721:190:HGJW7DSXY:4:2623:29649:9064_2:N:0:TCTGCAAG+GCTGCACT  
TTTACTTATACTTTAAATAGCACCGATTATAAATTGACTGTTGATAATATTACAATAGCTCTTTCTCA  
GAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTACT  
+  
FFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:F  
@A00721:190:HGJW7DSXY:4:1329:23366:30154_1:N:0:TCTGCAAG+GCTGCACT  
AATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAG  
CCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAG  
GGG  
+  
:, :FFFFFFFF:F:FFFF:FFFFFF:FFF:FFFFFFFFFFFFFF,:FFFF:FFFFFF:FFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFF:FF:FFFF:FFFFFF:FFF,FFF  
FFF  
@A00721:190:HGJW7DSXY:4:2374:20211:26850_1:N:0:TCTGCAAG+GCTGCACT  
AGAGGGGAAATGTCCCCAAAACAGAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAA  
TTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGAATAAGAAATCTGCACGGGCCAA  
AGA  
+  
FFFFFFFFFFF:F:F:FFFFFFFFFFFF:FF:F:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,  
FFF  
@A00721:190:HGJW7DSXY:4:2646:15537:22075_2:N:0:TCTGCAAG+GCTGCACT  
CATTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGT  
TCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAG  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGJW7DSXY:4:2677:25400:4617_2:N:0:TCTGCAAG+GCTGCACT  
TATTTATGCCGACGATAATAAGCATGTCAACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAG  
AGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCAGAATGCGGCCTTC  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF  
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:  
@A00721:190:HGJW7DSXY:4:2434:22598:10817_1:N:0:TCTGCAAG+GCTGCACT  
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA  
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT  
CCT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGJW7DSXY:4:1650:28248:30342_1:N:0:TCTGCAAG+GCTGCACT  
GATCTTGCAAGTACTGGAGTTCAGACGTGTGCTCTTCCGATCTGCTACGAGAGGTGATCCCGGATG  
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT  
GTG  
+  
FFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFF:FFFFFF:F:FFFFFFFF:FFFF  
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,  
F.F
```


@A00721:190:HGJW7DSXY:4:2460:27877:27477_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAAGTGATGATTATCACT
CCT

+

FFFFFFFFF,FFF:FF
FFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2121:7862:18709_1:N:0:TCTGCAAG+GCTGCACT
GATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGCTACGAGAGGTGATCCCGGATG
TGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

+

FFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1459:24415:11271_1:N:0:TCTGCAAG+GCTGCACT
ACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGAT
TCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGA
GGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2410:10655:4257_1:N:0:TCTGCAAG+GCTGCACT
AAGTCTCAGTTATCGCTGCCCGCCGACGTTTGTGCGGAACTCTCAGAGGTTTACGGCAGAAAAATTT
CTCCTGCTTGTAAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAA
TTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2260:25500:16877_1:N:0:TCTGCAAG+GCTGCACT
TGCTCTTCCGATCTAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATT
CATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGAT
ATT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2330:25500:5979_2:N:0:TCTGCAAG+GCTGCACT
AAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTT
GCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTA

+

FFFFF:FF
FF:FFFF,FFFFFFFFFFFFFFFF,F:FFFFF,F:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2516:14696:28479_2:N:0:TCTGCAAG+GCTGCACT
ATTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTCAGGAGTC
CCGGCATTGATAATAATGACGAGACTTTCGTGCTAATCGCTGCATAT

+

FFFFFFFFF:FFF:FF
FF

@A00721:190:HGJW7DSXY:4:2657:13268:28291_2:N:0:TCTGCAAG+GCTGCACT
AGCTTGTCGTTTAAAGACTGCAGAGGCTGTCAAACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTT

+

@A00721:190:HGJW7DSXY:4:1263:26919:25817_2:N:0:TCTGCAAG+GCTGCACT
TACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTC
AGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATAC

+

@A00721:190:HGJW7DSXY:4:2534:9878:6292_2:N:0:TCTGCAAG+GCTGCACT
CTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCTGAACGTAATACACGAAGAGATCATC
CGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAAC

+

@A00721:190:HGJW7DSXY:4:2552:16568:29058_1:N:0:TCTGCAAG+GCTGCACT
TATTATCCGATTCTTCGAGGGTATCACTACCACTGATCTGCCGACTTTAGTCAAGGAACTTCAATTCC
TTCGATGTTTATATTTTTCTATAAGGGAAAATAGCAATAATCAAATTTGACAAATTTTAGAACTTTA
TTT

 $+$

F,FFFF:FF:FFFFFFFF:FFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFF:FFF,:FFFFFFFFFFFF:FFF
:FFFFFFFFFFFF:FFF:FFFFFF:,FFFF,FFFF:FFFFFFFF,FFFF:FFFF:F,FFFFFFFF:F,FFF:
FFF

@A00721:190:HGJW7DSXY:4:2352:22417:12132_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATTCTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF
```

@A00721:190:HGJW7DSXY:4:1639:28546:22247_2:N:0:TCTGCAAG+GCTGCACT
TTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAG
AAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTT

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F  
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

@A00721:190:HGJW7DSXY:4:1440:2175:21543_1:N:0:TCTGCAAG+GCTGCACT
AATCAATGATGTGACTATACAGTTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAG
CCTTCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAG
GGG

+

[illegible]

@A00721:190:HGJW7DSXY:4:2535:32099:24236_1:N:0:TCTGCAAG+GCTGCACT
AGAGGGGAAATGTCCCCAAACTGAGAAGAATACAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAA
TTACCCCTAATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAA
AGA

 $+$ [illegible]

@A00721:190:HGJW7DSXY:4:2525:22607:1344_2:N:0:TCTGCAAG+GCTGCACT
AAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTT
GCTTCGATGTTGGATGTCAAGAAGGGTTTCAGAATGGGATTCCTACGTA

@A00721:190:HGJW7DSXY:4:2670:8006:32643_2:N:0:TCTGCAAG+GCTGCACT
ATTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTCAGGAGTC
CCGGCATTGATAATAATGACGAGACTTTCGTGATAATCGCTGCATAT

@A00721:190:HGJW7DSXY:4:2446:12554:17816_2:N:0:TCTGCAAG+GCTGCACT
ACAAGCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAA
TGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAAT

@A00721:190:HGJW7DSXY:4:1417:3983:19382_2:N:0:TCTGCAAG+GCTGCACT
TACTCTGTA CTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTC
AGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATAC

@A00721:190:HGJW7DSXY:4:2652:23692:24799_2:N:0:TCTGCAAG+GCTGCACT
CTCTACACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCTGAACGTAATACACGAAGAGATCATC
CGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAAC

@A00721:190:HGJW7DSXY:4:2355:19470:33364_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG

@A00721:190:HGJW7DSXY:4:1665:14995:17534_2:N:0:TCTGCAAG+GCTGCACT
TTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAG
AAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTT

@A00721:190:HGJW7DSXY:4:1549:2329:35837_1:N:0:TCTGCAAG+GCTGCACT
AATCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAG
CCTTCCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAG
GGG

```
F,FFF,FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF
```

@A00721:190:HGJW7DSXY:4:1133:1452:36824_2:N:0:TCTGCAAG+GCTGCACT
ATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTA
ATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGAATAAGAAATCT

+

FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF, :FFFFFFFFFFFFFFFF
FFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1456:13114:9079_1:N:0:TCTGCAAG+GCTGCACT
TTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTT
GTGCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTG
GCG

+

FF:FFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2605:8052:34350_1:N:0:TCTGCAAG+GCTGCACT
ACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTT
TGCCCAAGATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTT
GTT

+

FF:FFFFFFFF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2566:15085:8077_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGTTACCACTTCTTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAA
TCTTTTGAGAAGGGTTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+

FF:FFF::FF,F:FFFF,F:F:F,FF,F:FFF,FFF,F,FFFFFFFF,FFF:FFFFFFFF,FF,:
FF:FFFFFFFF:FFFFFFFF:F:,F:FFF,FF,F,FF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2649:7645:17832_1:N:0:TCTGCAAG+GCTGCACT
GATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGCTACGAGAGGTGATCCCGGTTG
TGGATTGAAGGCTGGCTCTAAGTGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGT
GTG

+

FFF,::,FFFFFF,F,FFFF,:F,FF:,FFFF:FFFF,,FFFF:FF,:FFF,:FF,,F:F:,F,F,
FFF:FFFFFF::FFFF,F:,,,,FF:F:,F:,FFFFFFFF:FFFF,,:F::FF,:FFF:FF::FF
FF:

@A00721:190:HGJW7DSXY:4:2307:2519:24392_1:N:0:TCTGCAAG+GCTGCACT
ACATTATTTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGAT
TCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGA
GGA

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2646:32741:31297_1:N:0:TCTGCAAG+GCTGCACT
AAGTCTCAGTTATCGCTGCCGCGCCGACGTTTGTGCGGAACTCTCAGAGGTTTACGGCAGAAAAATTT
CTCCTGCTTGTAAATTCGAGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAA
TTT

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2421:28257:26850_1:N:0:TCTGCAAG+GCTGCACT
TGCTCTTCCGATCTAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATT
CATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGAT
ATT

+

FFFF,FFF,,FFFFF:FFFFF:FFF:F,FFFFFFFF,FFFF:FF,FFFFFFFFFFFF:FFFFFFFF:F
FFFFFFFFF:FF::FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFF:
FFF

@A00721:190:HGJW7DSXY:4:2548:4580:12054_2:N:0:TCTGCAAG+GCTGCACT
AAACTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTT
GCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTA

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:FFFF,F,FFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1139:2446:19727_2:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATT

+

:FFFFFFFFFFFFFFFF:FF:FFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2626:11496:12132_2:N:0:TCTGCAAG+GCTGCACT
ACAAGCCCAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAA
TGGGTGATAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAAT

+

F:FFFF:FF:FF:FFF::FFFFFFFF:FFF,:FFF,,FFFFFF,FFFF:FF:FFFFFFFF,FFFFF
FF,:FFFFFF:F:F:FFFFFF,FFF,:FF:FFFF:FFFFF:FFFF:

@A00721:190:HGJW7DSXY:4:1507:19533:24079_2:N:0:TCTGCAAG+GCTGCACT
TACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTC
AGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATAC

+

FF:FFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1119:28411:24392_1:N:0:TCTGCAAG+GCTGCACT
CTCTACACCAATCTCAACGAGTATAAAGCGTTTTTCCGTCCTGACCTTAATAAACTAATATATAAAC
CGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCT

+

F:,FF:FF,F:,F,F,,F,FF:,FFF,F:,F,F,F,,,:F,F:,F,F,F,F
F,,F,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2377:1570:8625_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2571:27471:26396_2:N:0:TCTGCAAG+GCTGCACT
TTACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAG
AAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTACTT

+

FFFFFFFFFFFFFFFFFFFF:FF
FF:FFFFF

@A00721:190:HGJW7DSXY:4:2324:2428:17378_1:N:0:TCTGCAAG+GCTGCACT
AATCAATGATGTGACTATACAGTTCGGCATTTCAGAGTGGTCAATACGTCGTGGGAGGTACTGAAG

CCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAG
GGG

+

FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:1323:14986:16047_2:N:0:TCTGCAAG+GCTGCACT
ATGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTA
ATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGAATAAGAAATCT

+

FFFFFFFFFFFF,FFFFFFFFFFFF,FFF:FFFFFFFFFFFF
FF:FFFF

@A00721:190:HGJW7DSXY:4:1519:24632:34914_1:N:0:TCTGCAAG+GCTGCACT
TTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCT
GTGCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTG
GCG

+

FFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2648:8350:4178_1:N:0:TCTGCAAG+GCTGCACT
ACCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTT
TGCCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTT
GTT

+

FF
FFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2601:9326:17049_1:N:0:TCTGCAAG+GCTGCACT
TATTTGCAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+

FF,,FF,FFFFFFFF,FFFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:F:F,FFF:FFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2364:4598:28557_2:N:0:TCTGCAAG+GCTGCACT
TCAGCTACGAGAGGTGATCCCGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAA
TGTTGTAAAGAATTGGGTTGAGAAGTGCTTTACAAGGAGTTAGACT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1117:25681:20509_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAG
GAC

+

FFFFFFF:FF:FFFFFFF::FFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2115:13874:1063_1:N:0:TCTGCAAG+GCTGCACT
GCCCCGCCGACGTTTGTGCGGAAGTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTCTG
AGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAA
ATA

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2508:19153:35289_1:N:0:TCTGCAAG+GCTGCACT
TGCTCTTCCGATCTAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATT
CATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGAT
ATT
+
FFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1203:23077:32784_2:N:0:TCTGCAAG+GCTGCACT
CTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCT
TCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTT
+
FFFFFFFFFFFF:FF
FF:FFF,F,FFFFFF:FFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1154:31494:10066_2:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATT
+
FFFFFFFFFFFFFFFF:FF
FF,FFFFFFFFF:
@A00721:190:HGJW7DSXY:4:1544:19488:21277_2:N:0:TCTGCAAG+GCTGCACT
CAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGA
TAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FF,FFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFF
FF
@A00721:190:HGJW7DSXY:4:1517:16107:10379_2:N:0:TCTGCAAG+GCTGCACT
TACTCTGTACTTGATCTACGTCGTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTC
AGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1241:14995:1971_1:N:0:TCTGCAAG+GCTGCACT
ATCTTGCTTTGTGACTGTTTTCTGACGTGTGCTCTTCCGATCTCTTAATACACGAAGATATAATCCG
CAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT
+
::,F::,,,,:F,,,::,,,F,,,::,,FF,F,,,::,FFF:,FF,F::,,FF,F,,,,,F,,F,F,,F,FF,
,FF
@A00721:190:HGJW7DSXY:4:2473:2871:16579_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG
+
FF:FFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1214:12897:31939_1:N:0:TCTGCAAG+GCTGCACT
ACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTATCTCAGAA
GATTAGAGAAGTAACCGGTGAACAAGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGA
+

F:FFFFFFFFFFFF:FF:FF,FFF,FF:F,F,,,FFF:FFFFFFFFFFFF:FFFFFFFF,F:,FFFFF:FF
FFFFFFFFFFFFFFFF:F,F,,,F,F,FF,FF:F,FF:FFFFF:FFF,FF:FFFF:FF:FF,,FFF,F
@A00721:190:HGJW7DSXY:4:2210:16143:14168_2:N:0:TCTGCAAG+GCTGCACT
TCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCC
TCCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCT

+
FFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFF::F,FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFF,FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1324:7229:4178_2:N:0:TCTGCAAG+GCTGCACT
ATGTCCCCAAAACAGAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTA
ATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGAATAAGAAATCT

+
FF,FFFFFFFFFFFF
FFF:FFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2646:14127:23578_1:N:0:TCTGCAAG+GCTGCACT
TTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCT
GTGCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTG
GCG

+
FFFFFFFFFFFF:FFFFFFFFFFFF:FF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:2203:12970:18474_1:N:0:TCTGCAAG+GCTGCACT
CCCTTAAGCACCGAGGTAAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTT
GCCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTG
TTA

+
::FFF:FFF:F:FF:F,FFFFFFFF:FF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFF
,FFFFFFFF:FFFFFFFFFFFF,FFF:FFFFFFFF:F,F:FF:FFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2640:26368:5885_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+
FFF:FF,FFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFF,F
FFF:FF,FFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2413:14850:16752_2:N:0:TCTGCAAG+GCTGCACT
TCAGCTACGAGAGGTGATCCCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAA
TGTTGTAAAGAATTGGGTTGAGAAGTGCTTTACAAGGAGTTAGACT

+
FFF:FF
FFFFFFFFF:FFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF::FFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1240:10321:29011_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAG
GAC

+
FFFFFFFFFFFFFFFFFFFFF:F:FF
FFF
FFF
@A00721:190:HGJW7DSXY:4:2412:9408:25739_1:N:0:TCTGCAAG+GCTGCACT
GCCCGGCCGACGTTTGTGCGCAACTCTCAGAGTTTACGCGAGAAAATTTCTCCTGCTTGAATTCTCG

AGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAA
ATA

+

FFFFFFFFFFFFFF,FF
FFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2565:3152:32534_1:N:0:TCTGCAAG+GCTGCACT
TGCTCTTCCGATCTAAATTTTGATGCGGTTTCATAAGATTATCAGTAATCCTGATTCTACTACGGATT
CATGGACCTTCCATCCTGTACCTCTTCTGGAGAGACGTATCTCAAAGATCGACTTCGAGACAGGTGAT
ATT

+

FFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2126:19497:28902_2:N:0:TCTGCAAG+GCTGCACT
CTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCT
TCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTT

+

FFFFFFFFFFFF,F,:F::FF,:FFFF,FFF:F::F:FFFF,F,FFF,FF:FFF:FFFFF,F:FF,F
:FFFF,FFFFFFFFF:F,F,,FFFF:F:FF,,:FF:F,:F,FFFF,F

@A00721:190:HGJW7DSXY:4:1343:20609:31454_2:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATT

+

FF
FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1550:28492:5149_2:N:0:TCTGCAAG+GCTGCACT
CAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGA
TAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTT

+

FFF:FFFFFFFF
FF:FFFF

@A00721:190:HGJW7DSXY:4:2172:13919:25880_2:N:0:TCTGCAAG+GCTGCACT
TACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTC
AGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATAC

+

FF,FFFF:FFFFFFFFFFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:1678:15989:15718_1:N:0:TCTGCAAG+GCTGCACT
ACACCCATCTCAACGAGGATAACGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCA
AACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTA
CTC

+

FFFFF:FF,F,F:F,,::FFF:,F:,,,FFFFFF:F:F:F,F,F,,FF:FF:F,F:F,,F,,:,FFF,F
,FF
FFF

@A00721:190:HGJW7DSXY:4:2674:4354:23312_1:N:0:TCTGCAAG+GCTGCACT
CCGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTT
TAAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAA
AAG

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2122:28248:3380_1:N:0:TCTGCAAG+GCTGCACT
ACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAA
GATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTTCCGTTAGAACTGTCAAAGA
T

+
FFFFFFFFFFFFFFFF,FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF,FFFFFFFF:FFFFF
FF:FFFFFFFF,FFFFFF::,FFFF:FFFF:F:,FF:F,FF:F:FF,:::F:F:,F,F,,FF:F:
:

@A00721:190:HGJW7DSXY:4:2308:18394:30874_2:N:0:TCTGCAAG+GCTGCACT
TCAATGATGTGACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCC
TTCCCCTCCGCTGGCACGAAGAACAACCTCCAAGCCAATCAATAGTTCT

+
FFFFF:,FFFFFFFFFFFFFFFFFFFFFFFF,FFFFF:FFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1448:9941:12477_2:N:0:TCTGCAAG+GCTGCACT
ATGTCCCCAAAACCTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTA
ATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGAATAAGAAATCT

+
FF:F
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2646:15537:22075_1:N:0:TCTGCAAG+GCTGCACT
TTAAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCT
GTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTG
GCG

+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFF:FFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2675:21414:27023_1:N:0:TCTGCAAG+GCTGCACT
CCCTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTT
GCCCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTG
TTA

+
FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2657:27877:15671_1:N:0:TCTGCAAG+GCTGCACT
TATTGGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+
FFFF,,:FFFF,F:F:FF:FF:FF,FFFFFFFFFFFFFFFF:FF::FFFF:FFF,FFFFFFFFFFFF:
FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2413:15239:16861_2:N:0:TCTGCAAG+GCTGCACT
TCAGCTACGAGAGGTGATCCCGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAA
TGTTGTAAAGAATTGGGTTGAGAAGTGCTTTACAAGGAGTTAGACT

+
FF
FF

@A00721:190:HGJW7DSXY:4:1555:31711:36495_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTTGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAG
GAC

```

+
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2443:14452:13714_1:N:0:TCTGCAAG+GCTGCACT
GCCCGCCGACGTTTGTCTGCGAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAAATTCG
AGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAA
ATA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2531:32696:22545_2:N:0:TCTGCAAG+GCTGCACT
CTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCT
TCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1573:25889:27571_2:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATT
+
FFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFFFFFFF:FFF::FFFFFFFF:FFF
FFFFFFFFFFFFFFFF,FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2328:13702:21120_2:N:0:TCTGCAAG+GCTGCACT
CAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGA
TAAAAATTATTTAGAGATCTTTCTACTTACAAAGGACAATTCAGTTT
+
FFFFFFF,FFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2213:32271:5525_2:N:0:TCTGCAAG+GCTGCACT
TACTCTGTACTTGATCTACGTCTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTC
AGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATAC
+
FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2129:18096:1830_1:N:0:TCTGCAAG+GCTGCACT
ACACCCATCTCAACGAGTATAACGCGTTTTTCCGTCCTTAACCTTAATACACGAAGATATCATCCGCA
AACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTA
CTC
+
F,FF:F,,,:F:,,,,,F,FF,:,,,,:FFF:F:,:F,F,F,,,,F:,,,,:,,,,:F,,F,F:::F
,:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1318:1750:31078_1:N:0:TCTGCAAG+GCTGCACT
CGATCACCTTGGTGTGATCTCCCGGTGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTT
AAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAA
AG
+
F:FFFF,,FF,FFFFFFFFF::FF,FFFFFF:FF:,F,,FFFFFFFFFFFFFFFF::,:FFFF:FF
F:FF:FFF,FFFF:,FFFFFFFF:FF:::,FFFF:FFFFFF:F:F,FFF,F:FFFF,:FFF:FFF
FF
@A00721:190:HGJW7DSXY:4:1274:7229:27038_1:N:0:TCTGCAAG+GCTGCACT
ACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAA

```


+

@A00721:190:HGJW7DSXY:4:2569:17137:29543_2:N:0:TCTGCAAG+GCTGCACT
CTACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCT
TCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTT

+

@A00721:190:HGJW7DSXY:4:2103:25861:10394_2:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTTCGTCATAATCGCTGCATATT

+

@A00721:190:HGJW7DSXY:4:2626:4101:19460_2:N:0:TCTGCAAG+GCTGCACT
CAGACTCAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGA
TAAAAATTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTT

+

@A00721:190:HGJW7DSXY:4:2473:25156:27148_2:N:0:TCTGCAAG+GCTGCACT
TACTCTGTACTTGATCTACGTCGTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTC
AGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATAC

+

@A00721:190:HGJW7DSXY:4:2272:3043:14027_1:N:0:TCTGCAAG+GCTGCACT
ACACCCATCTCAACGAGGATAAAGCTATTTTTCCGTCTTAACGTAATACACGAAGAGATCATCCGCA
AACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTA
CTC

+

@A00721:190:HGJW7DSXY:4:2454:17318:23406_1:N:0:TCTGCAAG+GCTGCACT
CGATCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTT
AAATAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAA
AG

+

@A00721:190:HGJW7DSXY:4:1355:11568:4022_1:N:0:TCTGCAAG+GCTGCACT
ACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAA
GATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGA
TTC

+

[illegible]

```

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:~
FFF
@A00721:190:HGJW7DSXY:4:2621:20202:6104_2:N:0:TCTGCAAG+GCTGCACT
TCAATGATGTGACTATAACAGTTTCGCCATTTCAGAGTGTCATACGTCGTGGGAGGTAAGCC
TTCCCCTCCGCTGGCACGAAGAACAACCTCCAAGCCAATCAATAGTTCT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:~
@A00721:190:HGJW7DSXY:4:2378:25970:31970_2:N:0:TCTGCAAG+GCTGCACT
ATGTCCCCAAAACAGAGAATAAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTA
ATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGAATAAGAAATCT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:~
@A00721:190:HGJW7DSXY:4:1570:8359:23766_2:N:0:TCTGCAAG+GCTGCACT
AAGGGTAGCTGTAAAGTTGCGCCTGCCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTG
GCCTACTATGAGCAAATCTGTTGAGATCGGAAGAGCGTCGTGTAGGA
+
FFF::F,FFF,,FF:,,,FFF,FF:FFF:FF,FFFF,FFFFFFFFFFFFFFFF:FFF:FFF,FFF,,,F:
:FF,FF:FF,F:F::FFFFFFFF:F,,FFF:FFF:FFF,,FFFFFF
@A00721:190:HGJW7DSXY:4:1354:4996:14935_2:N:0:TCTGCAAG+GCTGCACT
CTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGC
CCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:~
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:~
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:~
@A00721:190:HGJW7DSXY:4:2677:21513:34397_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT
+
FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2502:30924:7138_2:N:0:TCTGCAAG+GCTGCACT
CCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTT
GAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:~
F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:~
@A00721:190:HGJW7DSXY:4:2523:16640:31751_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAG
GAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2623:14235:31000_1:N:0:TCTGCAAG+GCTGCACT
GCCCCGCCGACGTTTGTGCGCAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTG
AGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAA
ATA
+
FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```

FF
FFF

@A00721:190:HGJW7DSXY:4:2615:13575:8218_2:N:0:TCTGCAAG+GCTGCACT
CTACAGAGGAACGTACCGATTACCTGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCT
TCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2146:6036:26130_2:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATT

+

FF:
FF

@A00721:190:HGJW7DSXY:4:1207:31186:13698_2:N:0:TCTGCAAG+GCTGCACT
CAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAA
TTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAA

+

FF,
FFF,FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FFFFF:

@A00721:190:HGJW7DSXY:4:2655:4336:7028_2:N:0:TCTGCAAG+GCTGCACT
TACTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTC
AGACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATAC

+

FFFFFFFFFFFF,FFFFFFFFF:FFFFFF:FF,:FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2330:28185:36808_1:N:0:TCTGCAAG+GCTGCACT
ACACCCATCTCACCGAGGATAACGCGTGTTTACCGTCCTGAACCTTAATACACGAAGATATCACCCGCA
AACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTA
CTC

+

:F:FF,,,F,,F,F:,,,F,F,,,::,,,FF:,F::,F::,F,,,F,,,,,F,F,,,::,FF,FF,,F
,FFFFFF:FFFFFF:FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1124:24614:1720_1:N:0:TCTGCAAG+GCTGCACT
TCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTTAAA
TAGTGATATTACGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGT
TGG

+

FFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1536:13765:15217_1:N:0:TCTGCAAG+GCTGCACT
ACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAA
GATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGA
TTC

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFF:F:FFFF:FF:FFFF
F,F

@A00721:190:HGJW7DSXY:4:2340:8368:27195_2:N:0:TCTGCAAG+GCTGCACT
GACTATACAGTTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGA

+

FF
FFFFF:FFFFFF,FF
@A00721:190:HGJW7DSXY:4:2553:20961:36855_2:N:0:TCTGCAAG+GCTGCACT
ATGTCCCCAAACTGAGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTA
ATTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGAATAAGAAATCT

+
FF
FF,FFFFFFFF
@A00721:190:HGJW7DSXY:4:2433:29595:1705_1:N:0:TCTGCAAG+GCTGCACT
CCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTATGAGCAAATCTGTTGAA
TTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGCTACTGGCGACAACTGAGAGCAGTCGCTGGGG
AAA

+
FFFFFFFFFFFF:FF:FFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1529:4345:4758_2:N:0:TCTGCAAG+GCTGCACT
CTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTGC
CCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTC

+
FFFFFFF:F:FFFFFFFFFFFF:FF:::F,FFFFFF:
FFF::F:FFFF,FFF:FF,:FF,:FFFF:F:F:FFFFFFFFF:,,F:
@A00721:190:HGJW7DSXY:4:2677:21875:33739_1:N:0:TCTGCAAG+GCTGCACT
TATTTGAAGCAGGGTTACCACTTCTTAAGGTGGATGAGGGAGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAAGTATGATTATCACT
CCT

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2627:1597:8140_2:N:0:TCTGCAAG+GCTGCACT
CCGGATGTGGATTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTA
GAGAAGTGTGCTTTACAAGGAGTTAGACTCTTCTTCAAGTTTATAGAT

+
FFFFFFFFF,FFFF,FF:FFF,FFFF,FFFFFFFFFFFFFFFF:FFFF:FFF,FF:FFFFFFFFFFFF,,
FFFFFFFF,F,FFF:FFFFFFFF:FF,FFFFFF:FFFF:FFF,FFFF
@A00721:190:HGJW7DSXY:4:2524:24695:4178_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAG
GAC

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2623:15980:31610_1:N:0:TCTGCAAG+GCTGCACT
GCCCCGCCGACGTTTGTGCGCAACTCTCAGAGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTG
AGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAA
ATA

+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2622:19696:33943_2:N:0:TCTGCAAG+GCTGCACT
CTACAGAGGAACGTACCGATTACCTGTCTATCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCT

TCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGTAGTT
+
FF
FF
@A00721:190:HGJW7DSXY:4:2217:7545:34507_2:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTTCGTCATAATCGCTGCATATT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1209:4752:8249_2:N:0:TCTGCAAG+GCTGCACT
CAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAA
TTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAA
+
FF
:FF
@A00721:190:HGJW7DSXY:4:1461:20735:31548_2:N:0:TCTGCAAG+GCTGCACT
CTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAG
ACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTC
+
FF
FF
@A00721:190:HGJW7DSXY:4:2361:20030:10347_1:N:0:TCTGCAAG+GCTGCACT
ACACCCATCTCAACGTGTATAAAGCTAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCA
AACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTA
CTC
+
FFFFF,:::FFFF,F,,F,FFF:,F:,,,FFF,FF,:F,:F:,,,F:FFFF:,F,,F,::::FFF,F
,FF
FFF
@A00721:190:HGJW7DSXY:4:1273:30942:24048_1:N:0:TCTGCAAG+GCTGCACT
TCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTTAA
TAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGT
TGG
+
:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2412:20907:2284_1:N:0:TCTGCAAG+GCTGCACT
ACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAA
GATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGA
TTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2464:9697:35070_2:N:0:TCTGCAAG+GCTGCACT
GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGA
+
FFF:FF
FF
@A00721:190:HGJW7DSXY:4:2571:30029:22028_1:N:0:TCTGCAAG+GCTGCACT
TGTCCCCAAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAA

TTCTGAAGGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCT
GCT

+

FF:F:FFFF:FFFFFFFF
FF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2521:20292:36793_1:N:0:TCTGCAAG+GCTGCACT
CCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCCTACTATGAGCAAATCTGTTGAA
TTCGTCACTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGG
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2272:26558:8782_2:N:0:TCTGCAAG+GCTGCACT
CTTAAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTGC
CCAGAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1120:27778:11741_1:N:0:TCTGCAAG+GCTGCACT
CTTTTGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+

FFF:F:FFFF:FF:FF,
FF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2252:16043:32064_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTACAGAATTGGGTTGAGAAGTGTC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAA

+

FFFFFFFFFFFFFFFFFFFF:F:FFFF:FFFFF:FF:FFF,FFFFF,FFFFF:F:F,FFFFFFFF
FF:FFFF:FF,FFFFFFFFFFFF:FFFFFFFFF:FFF,FF::FFFF

@A00721:190:HGJW7DSXY:4:2560:28691:26882_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTTGGGACTGAGACCTCTGAATTTTCAGGTTGCCCTGATGAG
GAC

+

FF:F:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2667:22824:17879_1:N:0:TCTGCAAG+GCTGCACT
GCCCCGCCGACGTTTGTGCGGAAGTCTCAGAGGTTTACGGCAGAAAAATTTCTCCTGCTTGTAATTG
AGAGAGGACACTATGGAAATTAGACCTATCAGATGTCTTGACGACTTCGAATTTGAGGACGGAGTTAA
ATA

+

FF:F:FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2634:31620:34648_2:N:0:TCTGCAAG+GCTGCACT
CTACAGAGGAACGTACCGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTGTCT
TCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTT

+

FFFFFFFFF,FFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF::
FFFFF,FFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF
@A00721:190:HGJW7DSXY:4:2311:19325:36746_2:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATT
+
FFFFFFFF:F:FFF:FF:FFFFFFFFFFFFFFFFFFFF,FFFF::FFFFFFFF:F,FFFFFFFFFFFFF
F:FFFF,,FF,FF:FF:FFFF:FFF,FF,:FFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:1453:32741:35399_2:N:0:TCTGCAAG+GCTGCACT
CAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAA
TTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAA
+
FFFFFFFFFFFFFFFFF,FFFFFFFF:FFFF,FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFF:FFFFFFFF:F::F:FF:FF,FF:FFFF:FFFF::FFFFFFFFF
@A00721:190:HGJW7DSXY:4:2339:6822:4539_2:N:0:TCTGCAAG+GCTGCACT
CTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAG
ACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTC
+
F:FFF,:FF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFF
@A00721:190:HGJW7DSXY:4:2517:21224:26757_1:N:0:TCTGCAAG+GCTGCACT
ACACCCATCTCAACGAGGAAAACGCGATTTTACCGTCCTGAACCTTAATACTAATAAAAACCCGCA
AACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTA
CTC
+
F::FF,,,:,,F,,:,,F,F,:,,FF,,F,,F,:F,,,FF:::,:::,:::,:::,F::,F
,FFF
FFF
@A00721:190:HGJW7DSXY:4:1423:4463:30295_1:N:0:TCTGCAAG+GCTGCACT
TCACCTTGGTGTGATCTCCCGGAGGATCTTTCAATAAGATGTATGATGATAATCTACTATTTTTTAA
TAGTGATATTCAGCGTATACTTGAATACTTTATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGT
TGG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2434:18602:20212_1:N:0:TCTGCAAG+GCTGCACT
ACTTATACTTTAAATAGCACCGATTATAACTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAA
GATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGA
TTC
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2546:4336:36432_2:N:0:TCTGCAAG+GCTGCACT
GACTATACAGTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCG
CTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGA
+
FFFFF:FFFFF:FFFFF:FF:FFFFF
FFFFF:FFFFFFFFFFFFFFFFFFFF,:FFFF:FFFFFFFFF,FFF:F
@A00721:190:HGJW7DSXY:4:2369:28492:15890_1:N:0:TCTGCAAG+GCTGCACT
AAAAGTGAAGAATAAAGGGAAAGGTCCATCAGGACCTAAGAAGGGGAAATTACCCCTAATTCTGAA
GGAAGATCTCCCACCATCTGGGGTTGGGAATAAGAAATCTGCACGGGCCAAAGAGGCCGCTGCTACGA
AGT

+
FFFFFFFFFFFFFFFF,FFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF::FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2521:21567:36338_1:N:0:TCTGCAAG+GCTGCACT
CCGACCCCATCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAA
TTCGTCCTGAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGG
AAA
+
FFFFFFFFFFFF,FFFFFFFFF:FFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2240:12726:33207_1:N:0:TCTGCAAG+GCTGCACT
AAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCA
GAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATA
TTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1532:13584:17221_1:N:0:TCTGCAAG+GCTGCACT
CTTTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2310:24433:16313_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAA
+
FF
FFFFFFFFFFFFFFF:F:FF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2603:15600:6464_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAG
GAC
+
FFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1646:8947:32612_2:N:0:TCTGCAAG+GCTGCACT
TACAGAGGAACGTACCGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTGCTT
CGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2425:6641:13933_2:N:0:TCTGCAAG+GCTGCACT
TTTACGTCTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATT
+
FFFFFFF,FFF
FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF

$+$ $+$

+

$$+$$

+

+

+

+

[illegible]

FF:FFF:FF,::FFF,::FFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:2318:18927:23249_1:N:0:TCTGCAAG+GCTGCACT
AAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTGTCCCA
GAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATA
TTC

+

FFFFFFFFFFFF,FFF:FFFFFFFFF
FFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2131:32570:16000_1:N:0:TCTGCAAG+GCTGCACT
CTTTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+

F:FFF:FFFFFFFFF:FFFFFFFFF
FF:FFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2320:15212:31344_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAA

+

FFF:F,FFFFFF:FFF,FFFF
FFF:FFF:FF:FFFF

@A00721:190:HGJW7DSXY:4:2603:23538:30577_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAG
GAC

+

:FFF:FFFFFFF:FFFFFFF
FFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1649:17146:15687_2:N:0:TCTGCAAG+GCTGCACT
TACAGAGGAACGTACCGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTT
CGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT

+

FFFFFFFFF:FFF,FFFFFFFF,FFF,F
FFFFFFFFFFFFFFFFF:FFFFFFF:F:,FFFFFFFFF:FFF:F:

@A00721:190:HGJW7DSXY:4:2464:24370:35086_2:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATT

+

FFF
FFF

@A00721:190:HGJW7DSXY:4:2121:8856:14262_2:N:0:TCTGCAAG+GCTGCACT
CAAGGAGTCCAATCAAAGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAA
TTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAA

+

FFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2221:21603:35618_1:N:0:TCTGCAAG+GCTGCACT
CTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAG
ACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCAGATCGGAAGAGCA
CAC

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFF,FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2407:3965:32816_1:N:0:TCTGCAAG+GCTGCACT
CTTTTGAAGCAGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAA
TCTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACT
CCT

+

FF:FF
FF:FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2665:27001:20509_2:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTC
TTTACAAGGAGTTAGACTCTACTTCAAGTTTTTAGAACTTCTTGATAA

+

FF:FFFFF:, :FFF:FF,,,FFF:F:::FFF,::,FFFFFF,F:FF:FFFF,FFFFFFFF::, :F,
:FF:FF,,FFFF,FF:FFFF,F:FF,F,F,:,:F,F,FFFF:FFFF

@A00721:190:HGJW7DSXY:4:2617:2546:13636_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAG
GAC

+

FF
FFFFFFFFFF:FF::F:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2504:24858:9314_2:N:0:TCTGCAAG+GCTGCACT
TACAGAGGAACGTACCGATTACCTGTCTTTCATATTATGAATGAACCTTCGCCGCTCTCTTTGCTT
CGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT

+

FF:F
FFF:FF

@A00721:190:HGJW7DSXY:4:1529:16297:6292_1:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGC
GCA

+

FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2159:4444:26005_2:N:0:TCTGCAAG+GCTGCACT
CAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAA
TTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAA

+

FF:FF:F
:FF

@A00721:190:HGJW7DSXY:4:2367:13593:2675_1:N:0:TCTGCAAG+GCTGCACT
CTCTGTAATTGATCTACGTCGTTTAACTGTCGGAACAACCTTACTTAGAATGACTCTATCTTTTCAG
ACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCAGATCGGAAGAGCA
CAC

+

FF:FFFFFFFFFFFFF
FFFF:FF:FFFF:FFF,FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2561:6054:16955_1:N:0:TCTGCAAG+GCTGCACT
CTTCCGATCTCACCGAGTATAAAGCGAGTTTTCTTCTGAACTTAATACACGAAGAGATCAACCGCA

AACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTA
CTC

+

FFFF,::F,,::,,F,FFF:,F::,,FF::F:F,,F,FFF,:FFFF:,::F,F,,,,,F,F::,F
FF
FFF

@A00721:190:HGJW7DSXY:4:2576:5122:25864_1:N:0:TCTGCAAG+GCTGCACT
TCACCTTGGTGTGATCTCCCGGAGGATCTTTTCAATAAGATGTATGATGATAATCTACTATTTTTTAAA
TAGTGATATTGAGCGTATACTTGAATACTTTATCAAAGATTGGCTTGGTCTATTTACCGCAAAAAGT
TGG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2514:28971:21699_2:N:0:TCTGCAAG+GCTGCACT
TTTAAATAGCACCATTATACTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAG
AAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAG

+

FFFFF:FFF,FFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFF:FFFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFF:FFF,F:FFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1333:27760:19476_2:N:0:TCTGCAAG+GCTGCACT
GTTGCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGA
AGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGG

+

FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFF

@A00721:190:HGJW7DSXY:4:1655:9833:14168_2:N:0:TCTGCAAG+GCTGCACT
TCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGCTACTATGAGCAAATCTGTTGAATTCGTCCT
GAGGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2477:21612:26115_1:N:0:TCTGCAAG+GCTGCACT
AAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTACTATTTTTTGCCCA
GAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATA
TTC

+

FFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1173:17300:4241_2:N:0:TCTGCAAG+GCTGCACT
ATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGAGGTTGTTTCTTTGGAGTTTTAGATAAT
CTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGT

+

FFF:FFFFFFFFFFFFFFFF
FF:FF:FF:FFFF:FFF

@A00721:190:HGJW7DSXY:4:1118:14687:10833_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

+

FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:
FFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2637:31629:29841_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAG
GAC

+

FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2504:25699:6637_2:N:0:TCTGCAAG+GCTGCACT
TACAGAGGAACGTACCGGATTACCTGTCTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTT
CGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGTAGTTT

+

FF, FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: F
FF: FFFFFFFFFFFFFFFFFF: FFFFFFFF: F: FFFFFFFFFF: FFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2157:28926:2206_1:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGC
GCA

+

FF: FFFFFFFF
FF: FFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2660:19732:36448_2:N:0:TCTGCAAG+GCTGCACT
CAAGGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAA
TTATTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAA

+

FF, FFFFFFFFFFFFFF
: FFFFFFFF: FF

@A00721:190:HGJW7DSXY:4:2654:23068:12508_1:N:0:TCTGCAAG+GCTGCACT
CTCTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAG
ACACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCACTATCAGATCGGAAGAGCA
CAC

+

FF, FFFFFFFFFFFFFF
FF, F: FF: FFFFFFFFFFFFFF, FFFF
FFF

@A00721:190:HGJW7DSXY:4:1257:3992:12665_2:N:0:TCTGCAAG+GCTGCACT
CACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTTCTGAACGTAATACACGAAGAGATCATCCGCAA
ACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:2669:20048:20369_1:N:0:TCTGCAAG+GCTGCACT
TCAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTT
ATCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTA
TAC

+

FFF: FFF: FFFFFFFFFFFFFFFFFF, FFFFF: FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: F
: FF
FFF

@A00721:190:HGJW7DSXY:4:2147:17580:33129_1:N:0:TCTGCAAG+GCTGCACT
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTGCG
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAA

```

+
FFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1460:4716:6402_2:N:0:TCTGCAAG+GCTGCACT
GTTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGA
AGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGG
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:2330:11153:6872_2:N:0:TCTGCAAG+GCTGCACT
TCTTTGAGACCAAGACTCTCTACAGTAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACT
GAGGACGAAGGTGAGAGGACTTTTGCTACTGGCGACAACTGAGAGC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF,FFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FF:F
@A00721:190:HGJW7DSXY:4:2555:15962:36746_1:N:0:TCTGCAAG+GCTGCACT
AAGCACCGAGGTAAGCTCGGGACTTACAAGAGAGAGTGTGAGAGAGTCGCTCTCACTATTTTTGCCCA
GAATGCGGGCTTTCTGACTGATGAGGTTAAACTCTTGCTCCTTCTGTGGGTGAGGGTTTTTGTATA
TTC
+
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1301:5945:33019_2:N:0:TCTGCAAG+GCTGCACT
ATTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAAT
CTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:1139:15347:34334_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA
+
FF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2639:25870:16172_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAG
GAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2404:7157:25097_1:N:0:TCTGCAAG+GCTGCACT
TGTCTTTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTT
CAGAATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGT
TAC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

```

@A00721:190:HGJW7DSXY:4:2160:6677:3912_1:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGC
GCA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2315:5249:22952_1:N:0:TCTGCAAG+GCTGCACT
GGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTA
TTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGAAAAGTCCGGAGTAT
ATT

+

FFFFFFFFFFFF:F:FF
FF:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2125:19678:34256_2:N:0:TCTGCAAG+GCTGCACT
CTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGAC
ACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1257:5285:12680_2:N:0:TCTGCAAG+GCTGCACT
CACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTTCTGAACGTAATACACGAAGAGATCATCCGCAA
ACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG

+

FF
:FFFFFFFFFFFF,FFFF:FF

@A00721:190:HGJW7DSXY:4:2143:31033:17284_1:N:0:TCTGCAAG+GCTGCACT
CAATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTA
TCAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTAT
AC

+

:FFF,F,,F,F,FF:F,FFFF,F::F:FFFFFF,FFFFFFFFFFFFFFFF:FF:FF:FF::FFF:FFFF
F:FF:F:FFFF,FFFFFFFF:FFFFFFFFFFFFFFFF:FFFF:FFFF:FFFFFFFF:FFFFFF:FFFF
FF

@A00721:190:HGJW7DSXY:4:2158:15167:9596_1:N:0:TCTGCAAG+GCTGCACT
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTGCG
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAA

+

FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: :FFFF:FFFFFFFFFFFFFFFF:FFFFFFFF
FFFFFF,F:FFFFFFFFFFFF,FF
F::

@A00721:190:HGJW7DSXY:4:1460:4797:6104_2:N:0:TCTGCAAG+GCTGCACT
GTTGCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGA
AGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGG

+

FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:F,FFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFF,FFFF,FFFFF:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1111:11180:29810_2:N:0:TCTGCAAG+GCTGCACT
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA
GGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAG

+

@A00721:190:HGJW7DSXY:4:1316:19280:25144_2:N:0:TCTGCAAG+GCTGCACT
ATTTGAAGCAGGGGTACCCTTCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAAT
CTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGT

@A00721:190:HGJW7DSXY:4:1145:12644:19038_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

@A00721:190:HGJW7DSXY:4:2640:25030:35884_1:N:0:TCTGCAAG+GCTGCACT
TCTTCCGATCTCGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAG
GAC

@A00721:190:HGJW7DSXY:4:1304:19316:31438_1:N:0:TCTGCAAG+GCTGCACT
TTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTTCAGA
ATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACG
GTA

@A00721:190:HGJW7DSXY:4:2333:20148:31469_1:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGC
GCA

@A00721:190:HGJW7DSXY:4:2438:17906:17628_1:N:0:TCTGCAAG+GCTGCACT
GGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTA
TTTAGAGATCTTTTCTACTTACACAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTAT
ATT

@A00721:190:HGJW7DSXY:4:2411:19759:26757_2:N:0:TCTGCAAG+GCTGCACT
CTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGAC
ACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCAC

[illegible]

+

+

+

+

+

+

+

+

[illegible]

@A00721:190:HGJW7DSXY:4:1333:9191:18850_1:N:0:TCTGCAAG+GCTGCACT
TTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGA
ATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACG
GTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2343:10086:11569_1:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGC
GCA

+

FFF:FFF:FFF
FF
FF,

@A00721:190:HGJW7DSXY:4:2438:18249:17566_1:N:0:TCTGCAAG+GCTGCACT
GGAGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTA
TTTAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTAT
ATT

+

FFFFF,FFFFFF:FFFFFF:FF
F,,FFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2436:2193:1877_2:N:0:TCTGCAAG+GCTGCACT
CTGTACTTGATCTACGTCGTTTAACTGTCGGAACAACCTTTACTTAGAATGACTCTATCTTTTCAGAC
ACTTCTTATATTATTTACAATAGTTAATATCATATTAGTAATACTCAC

+

FFF
FFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1509:16260:11052_2:N:0:TCTGCAAG+GCTGCACT
CACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTTCTGAACGTAATACACGAAGAGATCATCCGCAA
ACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAG

+

FFF
FF

@A00721:190:HGJW7DSXY:4:2408:17047:26663_2:N:0:TCTGCAAG+GCTGCACT
AATAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTAT
CAAAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTA

+

FFF
FFFFFFFFFFFFFFFF:FFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFF,FFF

@A00721:190:HGJW7DSXY:4:2272:29306:9878_1:N:0:TCTGCAAG+GCTGCACT
CTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAA

+

FFF
FFFFFFF:FF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1629:8241:19335_2:N:0:TCTGCAAG+GCTGCACT
GTTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGA
AGAACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGG

+

```
FFFFFFFFFFF::FFF,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFF:F  
@A00721:190:HGIW7DSXY:4:1613:28149:11663_2:N:0:TCTGCAAG+GCTGCACT  
TTTGAGACCAAGACTCTCTACAGTAGGTTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA  
GGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAG  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGIW7DSXY:4:2335:9281:3161_2:N:0:TCTGCAAG+GCTGCACT  
ATTTGAAGCAGGGGTTACCATTCTTAAGGTGGATGAGGGAGGTTGTTTTCTTTGGAGTTTTAGATAAT  
CTTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGT  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
@A00721:190:HGIW7DSXY:4:1174:13494:1939_1:N:0:TCTGCAAG+GCTGCACT  
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAGAATTGGGTTGAGAAGTGTGC  
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA  
ATA  
+  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGIW7DSXY:4:1101:4020:8891_1:N:0:TCTGCAAG+GCTGCACT  
GTGTGCTCTTCCGATCTCCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATT  
CGGAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAG  
GAC  
+  
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGIW7DSXY:4:1436:15365:30577_1:N:0:TCTGCAAG+GCTGCACT  
TTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGA  
ATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACG  
GTA  
+  
:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF  
@A00721:190:HGIW7DSXY:4:2528:1859:2644_1:N:0:TCTGCAAG+GCTGCACT  
TTTACGTTTGCTACTCAGAGCTGGTCTCTCAGCTAAGGGATGCATGGTTTTATCTCCTCAGGAGTCC  
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGC  
GCA  
+  
FFFFF:FF:FFFFFF,FF:,FFFFF:FFFFF:F,,F:FFFFF:,F,FF,FFFFFFFFFFFFFFF,FF,  
,FFF,FFFFFFFFFFFFFFF,FFF,FFFF,FFFFFFFFFF,F,FFFFFFFF:FF,FF::FFF,:F,:FF  
FF:  
@A00721:190:HGIW7DSXY:4:1316:24795:10770_2:N:0:TCTGCAAG+GCTGCACT  
AGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATT  
TAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTA  
+  
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFF  
FFFFFFFFF:FFFFFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF  
@A00721:190:HGIW7DSXY:4:2225:26223:23234_2:N:0:TCTGCAAG+GCTGCACT  
CACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTTCTGAACGTAATACACGAAGAGATCATCCGCAA
```

+

@A00721:190:HGJW7DSXY:4:1567:9824:32189_1:N:0:TCTGCAAG+GCTGCACT
TAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCA
AAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTATACT
TTA

+

@A00721:190:HGJW7DSXY:4:1156:29722:6778_1:N:0:TCTGCAAG+GCTGCACT
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAA

+

@A00721:190:HGJW7DSXY:4:1657:5855:12446_2:N:0:TCTGCAAG+GCTGCACT
GTTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGA
AGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGG

 $+$

@A00721:190:HGJW7DSXY:4:1624:26106:10191_2:N:0:TCTGCAAG+GCTGCACT
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCCTGA
GGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAG

+

@A00721:190:HGJW7DSXY:4:1132:18765:18302_1:N:0:TCTGCAAG+GCTGCACT
TTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATC
TTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAAGTGATGATTATCACTCC
TTG

+

@A00721:190:HGJW7DSXY:4:1178:15275:4554_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

+

@A00721:190:HGJW7DSXY:4:1119:23366:25801_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTTCCGATCTCCGATCTCAGTTCTACCAAGAAACCGTCTCAGGAAGTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAG
GAC

+

FF
FFF

@A00721:190:HGJW7DSXY:4:1552:4851:13150_1:N:0:TCTGCAAG+GCTGCACT
TTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGA
ATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACG
GTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2666:17535:5274_1:N:0:TCTGCAAG+GCTGCACT
TTTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCC
CGGCATTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGC
GCA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1370:20528:22044_2:N:0:TCTGCAAG+GCTGCACT
AGTCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATT
TAGAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1540:4996:25394_1:N:0:TCTGCAAG+GCTGCACT
CACCAATCTCAACGAGGAAAAAGCTTTTTTCCGTCCTGAACCTAATACACGAATAGATAAACCGCAA
ACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT

+

: ,FF,F,: , ,F,: , ,F,F,: , , , ,FFF,F,: , ,F,F,F,: , :F,: , ,F,: , ,F,: , ,F,
FF

@A00721:190:HGJW7DSXY:4:2169:20374:3427_1:N:0:TCTGCAAG+GCTGCACT
TAAGATGTATGATGATAATCTACTATTTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCA
AAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACT
TTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1159:22959:32988_1:N:0:TCTGCAAG+GCTGCACT
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTGCG
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAA

+

FFFFF:FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2152:10456:23234_2:N:0:TCTGCAAG+GCTGCACT
GTTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGA
AGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGG

+

,FF:FF
FF, :

@A00721:190:HGJW7DSXY:4:2253:31647:20572_2:N:0:TCTGCAAG+GCTGCACT
TTTGAGACCAAGACTCTCTACAGTAGGTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGA

+

@A00721:190:HGJW7DSXY:4:1165:25183:7874_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1208:2220:12759_1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1162:15854:30013 1:N:0:TCTGCAAG+GCTGCACT

$$+$$

@A00721:190:HGJW7DSXY:4:1560:11433:36980 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2666:18475:6089 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1544:7717:33677 2:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:1607:17282:29512 1:N:0:TCTGCAAG+GCTGCACT

+

@A00721:190:HGJW7DSXY:4:2537:28619:4241_1:N:0:TCTGCAAG+GCTGCACT
TAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCA
AAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTATACT
TTA

+

[illegible]

@A00721:190:HGJW7DSXY:4:1221:19587:2378_1:N:0:TCTGCAAG+GCTGCACT
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAA

+

```

FFFFFFFFFFFFFFFFFFFFF:, :F,FFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFF: :F:FF:FFFF
FFFFFFFFFFFFFFFFFFFF,FFFFFFF:FFFFFFFFFFFFFFF:F:FFFFFFFFF:FFFFFFFFF:FF:F,FF,FFFF
FFF

```

@A00721:190:HGJW7DSXY:4:2205:32226:9580_2:N:0:TCTGCAAG+GCTGCACT
GTTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGA
AGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGG

+

[illegible]

@A00721:190:HGJW7DSXY:4:2276:24514:32894_2:N:0:TCTGCAAG+GCTGCACT
TTTGAGACCAAGACTCTCTACAGTAGGTTCTGCCTACTATGAGCAAATCTGGTGAATTCGTCCTGA
GGACGAAGGTGAGAGGACTTTTGGCTACTGGCGACAACTGAGAGCAG

+

F,FFFFFFFFFFFFFFFF,FFFFFF:FF:F:,F:, :FFFFFF:FFFF:FFFF:FF:,FFFFFF,FFFFFF,FF
FF:FFFF,F:FFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFF,,FFFFF

@A00721:190:HGJW7DSXY:4:1633:9344:15796_1:N:0:TCTGCAAG+GCTGCACT
TTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATC
TTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCC
TTG

+

[illegible]

@A00721:190:HGJW7DSXY:4:1272:9652:7968_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

+

[illegible]

@A00721:190:HGJW7DSXY:4:1605:20654:22232_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTTCCGATCTCCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAG
GAC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1560:12192:35853_1:N:0:TCTGCAAG+GCTGCACT
TTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGA
ATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACG
GTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1136:10800:22576_2:N:0:TCTGCAAG+GCTGCACT
TTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCC
GGCATTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1512:13060:22263_1:N:0:TCTGCAAG+GCTGCACT
TCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTA
GAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTG
TAT

+

FFFFFFF,FFFFFFFFF:FFF,F
FFF,FFF::FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2227:18484:11334_1:N:0:TCTGCAAG+GCTGCACT
CACCCATCACAACGCGTATAAAGCGTTTTTTTCGACCTCAACTTAATACACGAAGATATCATCCGCAC
ACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT

+

FFFF,,,:,,F,,,:,,F:F,,,:,,:FFF,,,:F:F,F,,,:F:,,,:,,:,,:,,:,,:,,FF,:F,
FFF:FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2567:32615:6339_1:N:0:TCTGCAAG+GCTGCACT
TAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCA
AAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTACTTATACT
TTA

+

FFFFFFF:FFFF::FFFFF,FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF::FFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1323:27697:3396_1:N:0:TCTGCAAG+GCTGCACT
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTGC
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAA

+

FFFF:FFFFFFFF:FF
FFFFFFFFFFFFFFFFF:FFF:FFFFF
FF:

@A00721:190:HGJW7DSXY:4:2209:4679:21089_2:N:0:TCTGCAAG+GCTGCACT
GTTGCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGA
AGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGG

+

FF
FFF:F:FFFF:

@A00721:190:HGJW7DSXY:4:1427:13774:4867_1:N:0:TCTGCAAG+GCTGCACT
TACAGTAGGTTTCGTGCCTACTATGAGCAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTGAAGGCCGACG
CTT

+
FF:FFFFFFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF:FF
FFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1638:22146:27007_1:N:0:TCTGCAAG+GCTGCACT
TTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATC
TTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCC
TTG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1341:8983:9596_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2109:12445:2848_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTTCCGATCTCCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAACTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAG
GAC
+
F:FFFF:F:FFFF:F::F,FFFF:FFF,FFFF,FF:FFFFFFFFFFFF,,FFFF:F:F:FFFFF
FFFFFFFF:, ,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF,FF:FFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1622:10303:30577_1:N:0:TCTGCAAG+GCTGCACT
TTTCATATTATGAATGAACCTTCGGCCGCTCTCTTGTCTCGATGTTGGATGTCAAGAAGGGTTCAGA
ATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACG
GTA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1254:32217:5118_2:N:0:TCTGCAAG+GCTGCACT
TTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCC
GGCATTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTA
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFF:FF:FFFFF
@A00721:190:HGJW7DSXY:4:1512:13060:22326_1:N:0:TCTGCAAG+GCTGCACT
TCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTA
GAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGAAGTCCGGAGTATATTG
TAT
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF, F
FFFFFFFFFFFFFFFFFFFFFFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:2540:22037:25003_1:N:0:TCTGCAAG+GCTGCACT
CACCCATCACAAAGAGTATAAAGCGTGTTTTTCTGTCCTCAACTTAATACACGAAGAGATCATCCGCAA
ACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT
+

@A00721:190:HGJW7DSXY:4:2654:18774:1376_1:N:0:TCTGCAAG+GCTGCACT
TAAGATGTATGATGATAATCTACTATTTTTAAATAGTGATATTCAGCGTATACTTGAATACTTTATCA
AAGATTTGGCTTGGTCTATTTACCGCAAAAAGTTGGAAGAGGTCTATGATATTTATTTTACTTATACT
TTA

@A00721:190:HGJW7DSXY:4:1574:18801:34460_1:N:0:TCTGCAAG+GCTGCACT
CTTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAGGTAACCGGTGAACACGTCG
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAA

@A00721:190:HGJW7DSXY:4:2225:5348:22811_2:N:0:TCTGCAAG+GCTGCACT
GTTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGA
AGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGG

@A00721:190:HGJW7DSXY:4:1427:13937:5087_1:N:0:TCTGCAAG+GCTGCACT
TACAGTAGGTTCTGTCCTACTATGAGCAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTT

@A00721:190:HGJW7DSXY:4:2304:5068:7545_1:N:0:TCTGCAAG+GCTGCACT
TTTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATC
TTTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCC
TTG

@A00721:190:HGJW7DSXY:4:1413:20989:21057_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

@A00721:190:HGJW7DSXY:4:2345:15049:15280_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTTCCGATCTCCGATCTCAGTTCTACCAAGAAACCGTCTCAGGAAGTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAG
GAC

+

@A00721:190:HGJW7DSXY:4:1413:21323:20666_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

+

@A00721:190:HGJW7DSXY:4:2520:23023:13777_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTTCCGATCTCCGATCTCAGTTCTACACAGAAACCGTCTCAGGAAGTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAG
GAC

+

@A00721:190:HGJW7DSXY:4:2126:19497:28902_1:N:0:TCTGCAAG+GCTGCACT
TTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTTGATTTCAAGAAGGTTTCAGA
ATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACG
GTA

+

@A00721:190:HGJW7DSXY:4:1501:9905:13009_2:N:0:TCTGCAAG+GCTGCACT
TTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTCAGGAGTCCC
GGCATTGGATAATAATGACGAGACTTCGTCATAATCGCTGCATATTA

 $+$

@A00721:190:HGJW7DSXY:4:1547:15176:33411_1:N:0:TCTGCAAG+GCTGCACT
TCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTA
GAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTG
TAT

+

@A00721:190:HGJW7DSXY:4:1223:18385:11412_1:N:0:TCTGCAAG+GCTGCACT
CACCCAACTCACCAGATATACCGCGTGTTCCTGTCCTGAACGAAATACACGACGAGATCATCCGAA
ACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTAC
TC

+

[illegible]

+

@A00721:190:HGJW7DSXY:4:2339:18340:24111_2:N:0:TCTGCAAG+GCTGCACT
GTTTCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGA
AGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGACTGAAATGG

+

@A00721:190:HGJW7DSXY:4:1560:24189:28166_1:N:0:TCTGCAAG+GCTGCACT
TACAGTAGGTTCTTCCTACTATGAGCAATCTGTTGATTTCTGCTACTGAGGACGAAGGTGAGAGGACT
TTTGGCTACTGGCGACAAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTT

+

@A00721:190:HGJW7DSXY:4:2136:19524:20932_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCT
TTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCT
TG

+

@A00721:190:HGJW7DSXY:4:1504:12364:9752_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

+

@A00721:190:HGJW7DSXY:4:2530:24713:35399_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTTCCGATCTCCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATT
CGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAG
GAC

+

@A00721:190:HGJW7DSXY:4:2251:31349:6370_1:N:0:TCTGCAAG+GCTGCACT
TTTCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTTCAGA
ATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACG
GTA

+

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF
```


TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

+

FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF,:FFFFFFFFF,FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:FFF
:FF

@A00721:190:HGJW7DSXY:4:1468:29649:35524_1:N:0:TCTGCAAG+GCTGCACT
TTATTTCTACGGATACCGATCTCAGTTATACCACAGAAACCGACTCATGAACTGTCTCCACTGATTCTG
GAATTAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAAT

+

F,F::,,FF::FF,F,F:::,,,F,,,F:,FF,FFF:FFF,,,F,FFFFFFFFF:FFF:F,,,F
,,F:F:FFF:FF::,,FFFFFFFF,FFF::FFFF:F,FFFF:FF

@A00721:190:HGJW7DSXY:4:2278:32389:26396_1:N:0:TCTGCAAG+GCTGCACT
TTTCATATTATGAATGAACCTTCGGCCGCTCTTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGA
ATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACG
GTA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2136:7672:27430_2:N:0:TCTGCAAG+GCTGCACT
TTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCC
GGCATTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTA

+

FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:FFFFFFFFF:FFF:F:FFFFFFFF:FFFFFFF

@A00721:190:HGJW7DSXY:4:2159:12635:13135_1:N:0:TCTGCAAG+GCTGCACT
TCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAATTATTTA
GAGATCTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTG
TAT

+

FFFFFFF:FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1428:10601:23703_1:N:0:TCTGCAAG+GCTGCACT
CACCCATCTCAACGAGGATAACGCTATTTTCCGTCCTTAACGTAATACACGACGAGATCATCCGCAA
ACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTAC
TC

+

F:FF,F::,F:::,F:F,,,,,FFF,F::,F:F,F::,FF::,F,F,,,F,F:,F:F::,
,FFFFFFFF:FFF
FF

@A00721:190:HGJW7DSXY:4:2675:17580:35164_1:N:0:TCTGCAAG+GCTGCACT
CTTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCG
GTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTAC
AAA

+

:FFF
FFFF:FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2449:20021:23422_2:N:0:TCTGCAAG+GCTGCACT
GTTCCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGA
AGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGG

+

@A00721:190:HGJW7DSXY:4:2433:5746:13197_1:N:0:TCTGCAAG+GCTGCACT
TACCTATCTCAACGCGGATAACGCGTTTTTTCCTTCCTGAACGTAATACACTAAGAGAACATCCCCAA
ACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTAC
TC

+

F,:F,F:::,F,:F,FF,F,,,:FFF,F:::,F,F,,,FFF,,,:F,,,:F,,F,FF,FF,
FF
FF

@A00721:190:HGJW7DSXY:4:1254:19560:14794_1:N:0:TCTGCAAG+GCTGCACT
TTGACTGTTGATAATATTACAATAGCTCTTTCAGAAAGATTAGAGAAGTAACCGGTGAACACGTCGG
TAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACA

+

FFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFF:FFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFF,FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF: :FFFF

@A00721:190:HGJW7DSXY:4:2526:18945:33144_2:N:0:TCTGCAAG+GCTGCACT
GTTCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGCA
AGAACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGACAAGG

+

FFFFFFFF:FF:FFFFFFFFFFFFFF
F,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF

@A00721:190:HGJW7DSXY:4:2308:10908:31219_1:N:0:TCTGCAAG+GCTGCACT
TACAGTAGTTCTGCTACTATGAGCAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTT

+

FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1535:18349:34741_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTATAGATAATCT
TTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTAAGTGATGATTATCACTCCT
TGA

+

FFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1551:29957:7373_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

+

FFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF:

@A00721:190:HGJW7DSXY:4:1229:10637:22858_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG

+

FFF:FF:FFFFFFFFFFFFFFFF, :FFFFFFFF:FFF:FFFFFFFFFFFFFFFF,F:FFFF
FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF:FFFF:F:FFF,FF

@A00721:190:HGJW7DSXY:4:2442:10547:25864_1:N:0:TCTGCAAG+GCTGCACT
TTTCATATTATGAATGAACCTTCGGCCGCTCTTTTCTTCTGATGTTGGATGTCAAGAAGGGTTCAGA
ATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACG
GTA

@A00721:190:HGJW7DSXY:4:1515:31069:3443_1:N:0:TCTGCAAG+GCTGCACT
TTACGTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCC
GGCATTGTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCG
CA

@A00721:190:HGJW7DSXY:4:2346:11080:29637_1:N:0:TCTGCAAG+GCTGCACT
TCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAAATTTTTTA
TAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGAAAAGTCCGGAGTATATTG
TAT

@A00721:190:HGJW7DSXY:4:1616:1561:13777_1:N:0:TCTGCAAG+GCTGCACT
TTCCTATCCCCCGAGTATAACGCTTGTTTTCTTCTGAACTTAATACACGAAGAGATCACCCGCC
ACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTAC
TC

@A00721:190:HGJW7DSXY:4:1665:14995:17534_1:N:0:TCTGCAAG+GCTGCACT
TTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACTTCGG
TAGCATTGATTTACTTTTACCGTTAGAAGTAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACA

@A00721:190:HGJW7DSXY:4:1421:6460:15562_1:N:0:TCTGCAAG+GCTGCACT
TCGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAG
AACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAA
GTC

@A00721:190:HGJW7DSXY:4:2409:20763:25833_1:N:0:TCTGCAAG+GCTGCACT
TACAGTAGGTTCTGCTACTATGAGCAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTT

@A00721:190:HGJW7DSXY:4:2660:6189:34726_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGCAGGGGTTACCACTTCCTAAGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCT
TTTGAGAAGGGGTCATAGAGCCAGCAAGAGAAGCTTATATGCTGGTTAAGTGATGATTATCACTCCT
TGA

+
FFFFFFFFFFFFFF:FFFFFF:FF:FFFF,FFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1644:5204:11099_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA
+
FFFFFFFFFFFF:F,FFF:FF
FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1229:9815:21277_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
+
:FF
:FF:FFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:2615:13575:8218_1:N:0:TCTGCAAG+GCTGCACT
TTTCATATTATGAATGAACCTTCGGCCGCTCTCTTGTCTCGATGTTGGATGTCAAGAAGGGTTCAGA
ATGGGATTCCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACG
GTA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1265:15582:1830_1:N:0:TCTGCAAG+GCTGCACT
GTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCA
TTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATC
TCG
+
FFFFF::FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FF:
FFF
@A00721:190:HGJW7DSXY:4:2351:32832:24408_1:N:0:TCTGCAAG+GCTGCACT
TCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTA
GAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTG
TAT
+
FFFFFFF:F:FFFFFFFFFFFFFFFFFFFF:FFFFF:FF
FFFFFFF::FFF
FFF
@A00721:190:HGJW7DSXY:4:1445:12038:33144_1:N:0:TCTGCAAG+GCTGCACT
TCCCGATCACCACCTTGTATAAAGCGATTTTCTACCTTAACGTAATACACTATTATATAATCCCAAC
ACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTAC
TC
+
:,F,:,:,F,,F,:,:F,F:,,F,,,FF:,F,:,:,::,,,:FF,,F,,,F,,,,,,FF,,F,
FF:F,F,FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF,F,FFFFFFFF:FFFF:FFFF:
F:
@A00721:190:HGJW7DSXY:4:1123:26955:25347_1:N:0:TCTGCAAG+GCTGCACT
TTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGG
TAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACA
AA

+
FFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFFFFFFFFFF:FFF:F:
FFF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1430:4309:18818_1:N:0:TCTGCAAG+GCTGCACT
TCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGCAAG
AACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAA
GTC

+
FFFFFFFF:FF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2542:7581:36323_1:N:0:TCTGCAAG+GCTGCACT
TACAGTAGTTTCGTGCCTACTATGAGCAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACT
TTTGGCTACTGGCGACAACTGAGAGCAGTCGTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACG
CTT

+
FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2601:25834:9251_1:N:0:TCTGCAAG+GCTGCACT
AGGTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTGAGAAGGGTCATAGAGCCAGC
AAGAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATA
TAA

+
:FFFFFFFF,FFF,F,FFFFFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFF
FFFF:F,F,FFFF,FFFFFFFF,FFFFFFFFFFFFFFFF:FF:FFFFFFFF,FFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2109:23330:16595_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

+
FF:FFFFFFFF:FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1234:24578:34632_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAG

+
FF
FF

@A00721:190:HGJW7DSXY:4:2634:31620:34648_1:N:0:TCTGCAAG+GCTGCACT
TTTCATATTATGAATGAACCTTCGGCCGCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGA
ATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACG
GTA

+
FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1314:29912:12493_1:N:0:TCTGCAAG+GCTGCACT
GTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCA
TTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATC
TCG

+
FFF:FFFFFFFFF:FFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2433:19388:4758_1:N:0:TCTGCAAG+GCTGCACT
TCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTA
GAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTG
TAT
+
FFFFFFFF::FF
FFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1573:17562:14434_1:N:0:TCTGCAAG+GCTGCACT
CACCATCTCACC GCGGATAACGCTAGTTTTCCGTCCTGAACGTAATACACGAAGATATCATCCGCAA
ACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTAC
TCA
+
:FFF::FFFFF,F,,F::F:,F,,, :FF:FFF,FFFF:FFF,FFFF,FFF,F,,F,F,,F:F:FFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1159:22968:32409_1:N:0:TCTGCAAG+GCTGCACT
TTGACTGTTGATAATATTACAATAGATCTTTCTCAGAATATTAGAGAAGTAACCGGTGAACACGTGCG
TAGCATTGATTTAATTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACA
AA
+
FF,,,FFFFF:F,,, :FFF,F:F:F,:,FFFFF,F:FF:,FF:,FFF:,F,F,,,,F,,, :FF,F,::
FF:,,FFFFFFFFF,FFFF:F,,FFFFF:,F,F,F:F:FFF:FFF:,FFFF:FFF:, ,FFFF:FFFFFF
FF
@A00721:190:HGJW7DSXY:4:1475:9607:32816_1:N:0:TCTGCAAG+GCTGCACT
TCGGCCATTTCAAGAGTG GTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGCAAG
AACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAA
GTC
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1405:21395:29590_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT
TGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCT
TCG
+
FFFFFFFFFFFFFFFFF,FFF:FF
FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1227:15682:16626_2:N:0:TCTGCAAG+GCTGCACT
GTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAA
GAGAAGCTTATATGCTGGTTAAGTGATGATTATCACTCCTTGAGAAG
+
FFFFFFFFFFF:FFF:FFFFFFFFFFF:FFFFFFFFFFF:FFFFFFFFFFF:F:FFFF,FFFFFFFFFFFFFFFF
FFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:2164:10429:27258_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTT TAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

@A00721:190:HGJW7DSXY:4:1252:27344:9424_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG

@A00721:190:HGJW7DSXY:4:2622:19696:33943_1:N:0:TCTGCAAG+GCTGCACT
TATCATATTATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTTCAGA
ATGGGATTCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACG
GTA

@A00721:190:HGJW7DSXY:4:1314:30210:12947_1:N:0:TCTGCAAG+GCTGCACT
GTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCA
TTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATC
TCG

@A00721:190:HGJW7DSXY:4:2459:5385:32957_1:N:0:TCTGCAAG+GCTGCACT
TCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTA
GAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTG
TAT

@A00721:190:HGJW7DSXY:4:2629:28140:18787_1:N:0:TCTGCAAG+GCTGCACT
CACCAATATCAACGAGTATAAAGCTTGTTTTCCGTCCTTAACCTTAATACACTAACATATCATCCGCAC
ACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTAC
TCA

@A00721:190:HGJW7DSXY:4:1307:18701:15562_1:N:0:TCTGCAAG+GCTGCACT
TTGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGG
TAGCATTGATTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACA
AA

@A00721:190:HGJW7DSXY:4:2323:7473:22764_1:N:0:TCTGCAAG+GCTGCACT
TCGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAG
AACACTCCCAAGCCAATCAATAGTTCCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAA
GTC

+
FF
FFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1456:11107:33098_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCCTACTATGAGCAAATCTGTTGAATTCGTCAGGACGAAGGTGAGAGGACTTT
TGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCT
TCG
+
F:F:FFFFFFFFF::FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1230:11650:33818_2:N:0:TCTGCAAG+GCTGCACT
GTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAA
GAGAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:2209:4065:26349_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAATTTTCGA
ATA
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1424:16514:19977_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
+
FF
FF
@A00721:190:HGJW7DSXY:4:1472:18367:29293_1:N:0:TCTGCAAG+GCTGCACT
TATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATT
CCTACGTAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTAC
TAT
+
FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2366:18150:34741_1:N:0:TCTGCAAG+GCTGCACT
GTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCA
TTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATC
TCG
+
FFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2472:12373:34820_1:N:0:TCTGCAAG+GCTGCACT
TCCAATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTA
GAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTG
TAT
+
FFFFFFFFFFFFF:FF

FFF:FFF:FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1218:13123:18270_2:N:0:TCTGCAAG+GCTGCACT
ACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAA
CGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGA

+

FFF:
FFF

@A00721:190:HGJW7DSXY:4:1440:31738:19946_1:N:0:TCTGCAAG+GCTGCACT
TTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGG
TAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACA
AA

+

FF:F,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:F:FFFFFFFFF:FFFFFFF::F,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFF
FF

@A00721:190:HGJW7DSXY:4:1424:16857:25551_1:N:0:TCTGCAAG+GCTGCACT
CGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGA
ACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAG
TCT

+

FFF
FFFFFFFFF,FFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1520:20699:34021_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT
TGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCT
TCG

+

FFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1348:21621:18740_2:N:0:TCTGCAAG+GCTGCACT
GTGGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAA
GAGAAGCTTATATGCTGTTTAAAGTGATGATTATCACTCCTTGAGAAG

+

FFF:FFFFFFFFFFFFFFFFFFFFF
FFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2214:10737:8719_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1441:10592:15640_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAG

+

FFF:F
FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1516:8693:36902_1:N:0:TCTGCAAG+GCTGCACT
TATGAATGAACCTTCGGCCGCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATT

CCTACGTAGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTACGTTACGGTAATTAC
TAT

+

FF
FF:FF
FFF

@A00721:190:HGJW7DSXY:4:2413:2917:5729_1:N:0:TCTGCAAG+GCTGCACT
GTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTTATCTCCTCAGGAGTCCCGGCA
TTTGATAATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATC
TCG

+

FFFFFFFFFFFF:FF
FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2459:4743:33004_1:N:0:TCTGCAAG+GCTGCACT
TACAATCAAAGGTTTTGAATTTAGATCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTA
GAGATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTG
TAT

+

F,:,:FFF,:,:FF,FF,FFFF,:F,:FFF,FFF:F,FFFF,FFF:,F,FFF:FFFFFFFF
:F:FFFFFFFF,FF,FFF:,:F,:FF:FF,FFFFFFFFFFFF:FF::FFFF:FFFFFFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:1218:6307:32424_2:N:0:TCTGCAAG+GCTGCACT
ACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAA
CGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1625:11767:25535_1:N:0:TCTGCAAG+GCTGCACT
TTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGG
TAGCATTGATTTACTTTTACCGTTAGAACTGAAAAGATTCTTTTCGAAAAGAACTATAAGTTACA
AA

+

FFFF:FFFF,:FFFF:F:F,:FF:FFF:FFFF::FFF:FFF,FF,FFFFFFFF:F:FFFF,FFFF:F
F,FF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:F:FFFFFFFFFFFF:FFFFFFFF,FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1661:10691:5760_1:N:0:TCTGCAAG+GCTGCACT
CGGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGA
ACACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAG
TCT

+

FFF:FF:FFF,FFFF:F:FFFFFFFFFFFFFFFF::F::FFFFFF:F,FFF:FFFFFF,FFF:FFFF
F:FFF:F,FF:FFF:FFFF,FFF:FF:FFFF,FFF:F:FFFFFFFFFFFF:FFFF,FFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:1522:3929:25989_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCCTACTATGAGCATATCTGTTGAATTCGTCCTGAGGACGAAGGTGAGAGGACTTT
TGGCTACTGGCGACAACTGAGAGCAGTCGCTGGTGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCT
TCG

+

:F:F:FFFF:F,FF:FFF,FFF:,,FFFFFFFF:F,FFFF,F::F,FFF,F,,,FF:FF:F,F,FFF
F,F::FFF:F,:FFFFFFFF:FFF,,,FFF,F:F,:FF,FF:FFF:FFFFFFFF:FFF:FFFF,:,,FFF
FF,

@A00721:190:HGJW7DSXY:4:2304:1244:5274_1:N:0:TCTGCAAG+GCTGCACT
CCGATCTGGGAGGTTGTTTCTTTGGAGTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGA

GAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATATAAT
TTA

+

FFFFFFFFF:F,FFFFFFFFF:FF
FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2262:7093:22733_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

+

FFFFFFFFF:FFF
FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1449:7681:5431_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG

+

FFFFFFFFF:FFF
FFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:1516:8775:36636_1:N:0:TCTGCAAG+GCTGCACT
TATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATT
CCTACGTAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTAC
TAT

+

FFFFFFFFF:FFF
FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2455:23240:3881_1:N:0:TCTGCAAG+GCTGCACT
GTTTGCTACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCATGGTGTATCTCCTCAGGAGTCCCGGCA
TTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATC
TCG

+

FFFFFFFFF:FFF,FFFFFFFFF
FFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1106:26142:24721_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FFFFF,FFF
FFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1269:13214:25598_2:N:0:TCTGCAAG+GCTGCACT
ACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCTGAACGTAATACACGAAGAGATCATCCGCAA
CGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGA

+

FFFFFFFFF:FFF
FFFFFFFFF:FFF,F:FFFFF:FF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2110:24894:8218_1:N:0:TCTGCAAG+GCTGCACT
TTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCCG
TAGCATTGATTTACTTTTACCGTTAGAAGTAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACA
AA

+
:F,F:F,FFFFFFFFFFFFFFFFF:,F,FFFF:FFFF:, :FFFFFF,FFFFFFFFFFFFFFFFF:F,
FFF,:FF::FFFF:FFFF,FF,FFFFFF:F:FFFFFF,FF:FFFF:FFFFFFFFFFFFFFFF:FFF:,F
:F

@A00721:190:HGJW7DSXY:4:1303:16667:36652_1:N:0:TCTGCAAG+GCTGCACT
GGCCATTTCAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCTCCGCTGGCAGCAAGAA
CACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGT
CTA

+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1549:1949:17143_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT
TGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACGCT
TCG

+
FFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFF
:FFF
FFF

@A00721:190:HGJW7DSXY:4:1264:30418:17096_1:N:0:TCTGCAAG+GCTGCACT
GGATGAGGGAGGTTGTTTCTTTGGAGTTTGTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGA
GAAGCTTATATGCTGGTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATATAAT
TTA

+
FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2262:7265:20901_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

+
FFFFFFFFFFFFFFF:FFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:,
FFFF:FFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1612:4273:8265_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAG

+
FFF
FF:FFFFFFFFF,FFFFFFF

@A00721:190:HGJW7DSXY:4:2162:1199:22232_1:N:0:TCTGCAAG+GCTGCACT
TATGAATGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATT
CCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTAC
TAT

+
FFF
F:FFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2519:14705:16438_1:N:0:TCTGCAAG+GCTGCACT
GTTTGATACTCAGAGCTGGTCCTCTCAGCAAAGGGATGCTTGGTGTATCTCCTCAGGAGTCGCGTCA
TTTGATAATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATC
TCG

+
FFF,,,,F:FF,F,F,F:FF:FF:F:FFFF,FF,F:::,F:FF:FFFF:,,:FF,:F,F:,,,,,F
FFFF,FF,:,,:::,F,:,:FFF:FF::F:F:F:FFFFFF:FFF:FFF::FFF::,FF:F,F,:F,F:
:FF

@A00721:190:HGJW7DSXY:4:1155:30454:32127_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+
F:FFFFF::FFF
FFFFFFFFF:FFFFF,:FFF
FFF

@A00721:190:HGJW7DSXY:4:1344:25834:14575_2:N:0:TCTGCAAG+GCTGCACT
ACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAA
CGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGA

+
FFF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2134:18873:28009_1:N:0:TCTGCAAG+GCTGCACT
TTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTGCG
TAGCATTGATTTACTTTTACCGTTAGAACTGAAAAGATTCTTTTCGAAAAGAACTATAAGTTACA
AA

+
FF::,F,FF:FFF:FFFFF:FF:,FF,FFF::,F,FF,FFF:,F:FF,FFF,,:FF:FF:F,FFF,:
F,FF,FF,FFFF,FFFFF,FFFF:FFFFFFFFF,FFFFFFFFF:,FFFFFFFF,F,FFFF:FFF:F
,F

@A00721:190:HGJW7DSXY:4:1303:16975:35243_1:N:0:TCTGCAAG+GCTGCACT
GGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAA
CACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGT
CTA

+
FFF:FF
FFFFFFFFF:FFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1565:31241:31704_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT
TGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTTGAAGGCCGACGCT
TCG

+
FFFFFFFFFFFFFFF,FFF:FF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1456:29243:24737_1:N:0:TCTGCAAG+GCTGCACT
GGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGA
GAAGCTTATATGCTGGTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATATAAT
TTA

+
FFFFFFFFF,FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFF:FFFFFFFFF:FFF:F
FFF

@A00721:190:HGJW7DSXY:4:2358:27651:34632_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

@A00721:190:HGJW7DSXY:4:1659:20482:4492_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCCTACTATGAGCAATCTGTTGAATTCGTCCTGAGGACGAAGGTGAGAGGACTTT
TGGCTACTGGCGACAAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCT
TCG

@A00721:190:HGJW7DSXY:4:1511:16034:36307_1:N:0:TCTGCAAG+GCTGCACT
GGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGA
GAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATATAAT
TTA

@A00721:190:HGJW7DSXY:4:2477:12427:33191_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGTAGTTTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGATAAATTTTCGA
ATA

@A00721:190:HGJW7DSXY:4:2268:22128:25817_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTTGTTGGGGACTGAGACCTCTGAATTTTCAG

@A00721:190:HGJW7DSXY:4:2343:25455:21026_1:N:0:TCTGCAAG+GCTGCACT
TATGAATGAACCTTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATT
CCTACGTAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTAC
TAT

@A00721:190:HGJW7DSXY:4:1424:23511:21919_1:N:0:TCTGCAAG+GCTGCACT
AATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT
CGAGCCTCGACCCGATTATATGGTATTAAGTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTA
TAG

@A00721:190:HGJW7DSXY:4:1172:20175:3333_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

.....

F:FFF:FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2272:18322:32659_2:N:0:TCTGCAAG+GCTGCACT
ACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAA
CGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTATCTTTAGA

+

FF
FF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2356:24126:8860_1:N:0:TCTGCAAG+GCTGCACT
TTGAATGTTGATAATATTACAATATCTCTTCTCAGAAGATTAGAGAATTAACCGGTGAACACGTCGG
TAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATTAGTTACA
AA

+

FF:F,FFFF,FFFFFF,:,FF:,FFFFFFFF:F,FF,F,FF,F:F:,FFF,,:FF,:F,,:FFFF
FFFF,FFF,FFF:FFFF:FF,FF::FF:F,F:FF:F,FF,:FFF,:FF:,,, :FFFF,F,F,FFFF
,:

@A00721:190:HGJW7DSXY:4:2216:7572:22341_1:N:0:TCTGCAAG+GCTGCACT
GGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAA
CACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGT
CTA

+

FFFFFFFFFFFFFFFFFFFF:FF:FFFFFF,FFFFFFFFFFFF:FFFFFFFFF::FFFF:FFFFFFFFFFFF
FFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
F:F

@A00721:190:HGJW7DSXY:4:2209:5285:29528_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT
TGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCT
TCG

+

FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2266:9353:15562_1:N:0:TCTGCAAG+GCTGCACT
GGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGA
GAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATATAAT
TTA

+

FFFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2502:30924:7138_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

+

FFFFFFFFF:FFFFF,F:FFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2301:19651:30264_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG

+

FF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1231:16125:6151_1:N:0:TCTGCAAG+GCTGCACT
TGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACG
TAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGT
GTT

+

FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
:FFFFFFFFFFFFFFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1458:16957:8500_1:N:0:TCTGCAAG+GCTGCACT
AATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT
CGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTCTTGCTGAAATTTA
TAG

+

FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1176:27227:9752_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FFFF::F:F:FF
FFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2470:31087:4288_2:N:0:TCTGCAAG+GCTGCACT
ACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAA
CGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGA

+

FF
FFFFFF,FFFFFFFFFFFFFFFF,FFFFFFFF:FFFF:FF:FFFFFF

@A00721:190:HGJW7DSXY:4:2415:24316:33927_1:N:0:TCTGCAAG+GCTGCACT
TTGACTGTTGATAATATTACAATAGCTCTTTATCAGAAGATTATAGAAGTAACCGGTGAACACGTCGG
TAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAACTATAAGTTACA
AA

+

:F,F,F,FF,FFFF:FFF:FFFFFFFF,F,FFFF,FFF,: ,FF:F:FFFF:FFFFFFFF,FF
FFF,FF,FFFFF,FFFF:FFFF,FFFFFFFFF:F:FFFFFFFF:FFFFFFFFFFFFFFFF
F:

@A00721:190:HGJW7DSXY:4:2511:28926:2018_1:N:0:TCTGCAAG+GCTGCACT
GGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCTCCGCTGGCACGAAGAA
CACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGT
CTA

+

:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
F:FFFFF:FFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2245:28031:12868_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT
TGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTGAAGGCCGACGCT
TCG

+

FFF,FFFFFFFF:FF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2418:32515:17409_1:N:0:TCTGCAAG+GCTGCACT
GGATGAGGGAGGTTGTTTCTTTGGAGTTTGTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGA
GAAGCTTATATGCTGGTTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATATAAT
TTA

+

FFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFFF:FFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2622:10257:10614_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

+

FFFFFFFF:FFFFFFFF:FFFFFFFF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFF:FFF
FF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2328:25907:15546_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTTGTGGTGACTGAGACCTCTGAATTTTCAG

+

:F,FFFFFFFF::FFFFFFFF:FFF,,:F,FFF,F:FFFFFFFFFFFFFFFF:FFFF,FF::FFF,FF:FF:
F::FFFFF:FFFFFFFF:FFFFFF:,FFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1402:2202:3803_1:N:0:TCTGCAAG+GCTGCACT
TGAACCTTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACG
TAGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGT
GTT

+

FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1526:22218:13949_1:N:0:TCTGCAAG+GCTGCACT
AATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT
CGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTA
TAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1207:31186:13698_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FFFFF:F::FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFF,FFF:FFFFFFFFFFFFFFFFFFFFFFFF:
FF
FFF

@A00721:190:HGJW7DSXY:4:2524:2636:16611_2:N:0:TCTGCAAG+GCTGCACT
ACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCTGAACGTAATACACGAAGAGATCATCCGCAA
CGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2418:12753:3912_1:N:0:TCTGCAAG+GCTGCACT
TTGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGTGATGTAACCGGTGAACACGTCGG

TTGAATTGTTTTACTTTTACCGTTTGAAGTAAATGATTCTTTTCGAATAGAAACCTATAAGTTACA
AA

+

FFFFFFFFF:FFFF,FF:FF,F:FFF,F:FFF:F,,FF,FFF:,FF,,FF,F,,:FFFF,F:FF:F:
F,F,:F:F,FFF,FFF,F,F,,FF,:FF,FFF:,FFF,FFFF,FFF,,FF,:,,FFF,FFFF,::
:F

@A00721:190:HGJW7DSXY:4:2615:7808:15139_1:N:0:TCTGCAAG+GCTGCACT
GGCCATTTCAAGAGTGGTCAATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGCAAGAA
CACTCCCAAGCCAATCAATAGTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGT
CTA

+

FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:2323:17237:9580_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTT
TGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCT
TCG

+

FFFFFFFFFFFFFFF,,FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2505:2374:15311_1:N:0:TCTGCAAG+GCTGCACT
GGATGAGGGAGGTTGTTTCTTTGGAGTTTTAGATAATCTTTTGAGAAGGGGTCATAGAGCCAGCAAGA
GAAGCTTATATGCTGGTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATATAAT
TTA

+

FF:FFFFFF,F:FFFFFF:FF
FF:FFF
:FF

@A00721:190:HGJW7DSXY:4:2627:1597:8140_1:N:0:TCTGCAAG+GCTGCACT
TTGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGC
TTTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGA
ATA

+

FFFFFFFF,FF:FFFFFFF:F:FF::FF,FFFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF,FF:FFFFFF,:FFF:FFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2411:18765:33426_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAG

+

FFFFFFF:FFF,FFFFFFFFFFFFFFFFFFFFFFF:F
FFFFFFFFFFFFFFFFF:FFF::FFFFFFFFFFFFFFFFF:FFFF,FFFF:F

@A00721:190:HGJW7DSXY:4:2208:27561:30561_1:N:0:TCTGCAAG+GCTGCACT
TGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAAATGGGATTCCTACG
TAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGT
GTT

+

FFF:FFF:FFF
FFF:FF:F:FFF
FFF

@A00721:190:HGJW7DSXY:4:1535:15754:19445_1:N:0:TCTGCAAG+GCTGCACT
AATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT

TTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAAT
+
FF:FFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2436:2121:26741_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
+
FFF:F:FFFFFFFFFFFFFFFF:FF:FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:F,FFFFFFFF
FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFF:.:F:FFFFF,
@A00721:190:HGJW7DSXY:4:2330:25500:5979_1:N:0:TCTGCAAG+GCTGCACT
TGAACCTTCGGCCGCTCTCTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAAATGGGATTCCTACG
TAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGT
GTT
+
FF:FFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1622:28664:15718_1:N:0:TCTGCAAG+GCTGCACT
AATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT
CGAGCCTCGACCCGATTATATGGTATTAAGTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTA
TAG
+
FF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1231:10881:17331_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTACGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT
+
FF:FFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2623:15691:17769_2:N:0:TCTGCAAG+GCTGCACT
ACCCATCTCAACGAGGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAA
CGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGA
+
FFFFFFFFFFF:FFFFFF:FF
FF:FFFFF
@A00721:190:HGJW7DSXY:4:2276:9209:23265_2:N:0:TCTGCAAG+GCTGCACT
TGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGT
AGCATTGATTTACTTTTACCGTTAGAACTGAAAAGATTCTTTTCGAA
+
FFF:F:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFF:FFFF,FFF,FFF:FFFF:FF:FF
F:.:FFF:FFFFFF:FFF:F:FFF:FF:F:FFFF,FFF:F:FF,:FF
@A00721:190:HGJW7DSXY:4:2117:3314:14904_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATC
GTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC
+
FFF:FFFF:FFFFFFFFFFFFFFFF:FFFF,FFFFFFFF:FFFF:F:FFFFFFFF:F:FFFFFF:
FFF:FF:FFF:FF:FFFFFFFFFFFFFFFF:FFFFFF:FFFFFF:.:FFFF:FFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2614:11478:35837_1:N:0:TCTGCAAG+GCTGCACT
CTCTTCCGATCTCCGACTATGAGCAAATCTGTTGAATTCGTCACCTGAGGACGAAGGTGAGAGGACTTT
TGGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTTGAAGGCCGACGCT
TCG

+

FFF:FFFFFFFFF,:FFFF:FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFF:F:FFFFFFF
FFFFFFFFFFFF:FF:FFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1206:9869:26757_1:N:0:TCTGCAAG+GCTGCACT
ACGCGATCTTGCAGAGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTGGTCATAGAGCCAGCAAGA
GAAGCTTATATGCTGGTTAAGTGATGATTATCACTCCTTGAGAAGACAAGCCACATTAAGATATAAT
TTA

+

:FF,FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1261:8151:2143_2:N:0:TCTGCAAG+GCTGCACT
TGAAGGCTGGCTCTAAGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCT
TTACAAGGAGTTAGACTCTTCTTCAAGTTTTAGATCTTCTTGATAAT

+

FFFFFFFFFFFFFFFF:FF,FFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFF:FF:FF:FF

@A00721:190:HGJW7DSXY:4:2546:4191:32612_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTGTGGGGACTGAGACCTCTGAATTTTCAG

+

FF:F
FF,FFFFFF

@A00721:190:HGJW7DSXY:4:2525:22607:1344_1:N:0:TCTGCAAG+GCTGCACT
TGAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAAATGGGATTCCTACG
TAGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGT
GTT

+

FF:F
FFFFF:FFF:FFFFFFFFFFFF:FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2130:21558:7075_1:N:0:TCTGCAAG+GCTGCACT
AATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT
CGAGCCTCGACCCGATTATATGGTATTAAGTTATAAAGGTGAGGAGACCATTTCTTGCTGAAATTTA
TAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1235:1072:1188_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FFF::F,,:FFFF,FFFFFFF:F::F:F:FFF:,FFFF,FF:F,F,FF:FFFFFFFFFFFFFFFF:FF,
FFFFFFFFFF:FFFFFFF,FF,,FFFF:FF,FFFF:F::FFFF:FFFFFFFFFFFFFFFF:FF:FFFF::
:FF

@A00721:190:HGJW7DSXY:4:2278:5556:17347_1:N:0:TCTGCAAG+GCTGCACT
GTTCTTTCTGATTTACTGTTGTTCTTCATTTTGATTTTCCGATCTTAACTAATTTTACATCCGCAA

AGTTTATGACTTTGGTGGTGGTACTTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

FFFFFFFFFFFFFFFF,F:FF
FF:F:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2270:6867:25535_1:N:0:TCTGCAAG+GCTGCACT
AATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT
CGAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTCTTGCTGAAATTTA
TAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1248:30526:27837_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FFFFF:,FFFF:FFFFFFFF,F:FF
:FF
FFF

@A00721:190:HGJW7DSXY:4:1372:3061:14998_1:N:0:TCTGCAAG+GCTGCACT
ACCCATCTCACCGCGGATAAAGCGAGTTTTCCGTCTGAACGTAATACACTAAGAGATCATCCGCAA
CGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACT
CA

+

FF::F:::FF,::,,:FFFF,::,,:FFF:F:F:F,::F:,,:F,,,:F,,FF,::F,:F,FF:,FFF
FF
FF

@A00721:190:HGJW7DSXY:4:2458:5059:35931_2:N:0:TCTGCAAG+GCTGCACT
TGACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTGGT
AGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2209:4535:19523_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGCAAGAACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1655:9833:14168_1:N:0:TCTGCAAG+GCTGCACT
GTAGGTTCGTGCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTT
GGCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAAGAGAATTGCGTGGGTGAAGGCCGACGCTT
CGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2226:11930:17989_2:N:0:TCTGCAAG+GCTGCACT
TGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTTGTTTGATAAGTGTGCT

TTACAAGGAGTTATACTCTTCTTCAAGATTTTAGATCTTCTTGATAAT

+

:FFF:,F:,FF,,FF:,F:FFFF,,::F::FF,::FFF::,FFF:F::F,,,,,F,F,FF,,,,,F:
F,FFFF,:F,FFF,F,,,F,FF,FFF,,,FF,F:FFF::,FF,FFFF

@A00721:190:HGJW7DSXY:4:2638:31114:33144_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAAT
TAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG

+

FF
FF

@A00721:190:HGJW7DSXY:4:1353:13666:29168_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2358:4978:2503_1:N:0:TCTGCAAG+GCTGCACT
AATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT
CGAGCCTCGACCCGATTATATGGTATTAAGTTATAAAGGTGAGGAGACCATTTCTTGCTGAAATTTA
TAG

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1340:4779:16877_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FFFFF:FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:2172:1615:30718_1:N:0:TCTGCAAG+GCTGCACT
ACCCATCTCAACGTGTATAAAGCGTGTTTTTCGGTCTGAACGTAATACACGAAGATATCATCCGCAAA
CGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACT
CA

+

FFF::F:F:F,,,,,F,FF,::,,,FFFFF,,,F:,F:,::FFFFF::,F,,,,,::,F,F::,F,F
FF
FF

@A00721:190:HGJW7DSXY:4:1109:5312:6652_1:N:0:TCTGCAAG+GCTGCACT
TGACTGTTGATAATATTAAGTAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGT
AGCTTTGATTTACTTTTACCGTTAGAACTGAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAA
ACG

+

FFF,F,FF,FFF:F:FFF,F:FFF,F,FFF:F::FFFFFFFF:FFFFFFFF:F:FFFFFFFF:FFFFFFF
F,F,FF:,FFFF:FFFF:F,,FF:F:FFF:FFFFFF,FF:FFF:,FFFF,FFFF,F:FFF:FFFF,
FFF

@A00721:190:HGJW7DSXY:4:2272:26865:5149_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

```

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2330:11153:6872_1:N:0:TCTGCAAG+GCTGCACT
GTAGGTTTCGTGCCTACTATGAGCAAATCTGTTGAATTTCGTCACTGAGGACGAAGGTGAGAGGACTTTT
GGCTACTGGCGACAACCTGAGAGCAGTCGCTGGGGAAAGAATTGCGTGGGTTGAAGGCCGACGCTT
CGA
+
FFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2226:12237:15139_2:N:0:TCTGCAAG+GCTGCACT
TGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCT
TTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAAT
+
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,,FFFFFFFF,FF,FF:FFFFF
@A00721:190:HGJW7DSXY:4:2647:8603:15201_2:N:0:TCTGCAAG+GCTGCACT
TTCAACGGATACCGATCTCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCCGAAT
TAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,F
:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1437:21983:18897_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA
+
FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2466:26304:36432_1:N:0:TCTGCAAG+GCTGCACT
AATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGT
CGAGCCTCGACCCGATTATATGGTATTAAGTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTA
TAG
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1367:28727:35618_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT
+
FFFFF:,F:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFF:FFF
FFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1205:27227:5181_1:N:0:TCTGCAAG+GCTGCACT
CCCATATAAACGATTATAACGCGTTTTTCCGTCCTTACCTTAATACACTACGATATCACCCGAACAC
GACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT
+
FF,F,,,::,,,,,FF,,,,,:FFF:F:,,,::,,,,,FFFF::F,F,,,,,:,,,F:,,,::FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

```


@A00721:190:HGJW7DSXY:4:2538:20130:36542_1:N:0:TCTGCAAG+GCTGCACT
TAGGTTCTGTCCTACTATGAGCAAATCTGTTGAATTCGTCACTGAGGACGAAGGTGAGAGGACTTTTG
GCTACTGGCGACAACTGAGAGCAGTCGCTGGGGAAGAGAATTGCGTGGGTGAAGGCCGACGCTTC
GAG

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2526:26621:9142_2:N:0:TCTGCAAG+GCTGCACT
TGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCT
TTACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAAT

+

FF:FFFFFFFF
FF:FFFFFFF:FFFFF

@A00721:190:HGJW7DSXY:4:2275:19985:17503_1:N:0:TCTGCAAG+GCTGCACT
AGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTACTGCCTCCACTGATTCGGAATTAGAGAAAGAC
GACCTTCTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAGGGATAA
TTT

+

:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1576:10122:31328_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1270:12662:24893_2:N:0:TCTGCAAG+GCTGCACT
ATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTC
GAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACC

+

FFFF:FFFFFFF,FFFF:FF:FFFFFFFFFFFFFFFF
,FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFF:F,

@A00721:190:HGJW7DSXY:4:1458:6063:6950_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FF
FFFFFFFFFFFFFFF:FF:F:FF
FFF

@A00721:190:HGJW7DSXY:4:2335:28465:36417_1:N:0:TCTGCAAG+GCTGCACT
TCAACGAGTATAACGCTATTTTCCGTCTGAACGTAATACACTAATATATCAACCGCAAACGACTCG
AAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTA
TA

+

: ,F,F,, :,F,F:,::,,,FFF,F::,F,F,F,,, :F::,,:,F,F,,, :F,:F,FF,,F,FFFFFFFF
FF
FF

@A00721:190:HGJW7DSXY:4:1529:31376:35164_1:N:0:TCTGCAAG+GCTGCACT
TGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGT

AGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAA
ACG

+

F:F,FFFFFFFFFFFFFFFF:FF:FF,FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFF,F
FF:FFF:FFFF:FFFFFFFFFFFFFFFF: F:FFFFFFFFFFFFFFFF:FFFF:FFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2357:30201:3724_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1529:18973:17253_1:N:0:TCTGCAAG+GCTGCACT
TGAAGGCTGGCTCTAAGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCT
TTACAAGGAGTTAGACTCTTCTTCAAGTTTTAGATCTTCTTGATAATCTTAAAGAAAATTTTCGAA
TAA

+

FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: F
FF
FFF

@A00721:190:HGJW7DSXY:4:2324:4788:36213_1:N:0:TCTGCAAG+GCTGCACT
AGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTACTGTCTCCACTGATTCGGAATTAGAGAAAGAC
GACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGATAA
TTT

+

FF:FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1634:26115:6762_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGGCCGCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

FF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1330:24370:20964_2:N:0:TCTGCAAG+GCTGCACT
ATAATGACGAGACTTTCGTGATAATCGCTGCATATTACGATTACACGGTACCAGCGCATCTCGTGTC
GAGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACC

+

FFFFFFFFFFFF:F:FF
FFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFF:FFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1460:18213:35164_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FFFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1345:21441:26224_1:N:0:TCTGCAAG+GCTGCACT
TGTGTGACTGGAGTTCAGACGGGTGCTCTTCTATCTTACACTAAGAGATAATCCGAAAACGACTCGA

AACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTC
+
::,F::,,FF,,,:F::,,,,,,F,,F,F,F::,F:,F,FFF:,F,,F:,,,F,F:,,,F,FFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1605:20166:21355_1:N:0:TCTGCAAG+GCTGCACT
TGA CTGTTGATAATATTA AAAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGTTAACACGTCGGT
AGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAA
ACG
+
F:F:FFFF,FFFF,FFF,F:F::FF:FF,:F,F,FF:FFF::F,FFFFFF:F:FF,FF,FF,F:F,F
,F,,FF:FFFF:,FFFFFFF::F:FFF:F:FFFF,,FF,FFF::FFFF:FFFFFFFFFFFFFFFFF:F
FFF
@A00721:190:HGJW7DSXY:4:2367:11017:27179_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:2120:26096:15906_1:N:0:TCTGCAAG+GCTGCACT
TGAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCT
TTACAAGGAGTTAGACTCTTCTTCAAGTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAA
TAA
+
FFFFFFFFFFFF:F::FFFF,FFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2447:16432:8500_1:N:0:TCTGCAAG+GCTGCACT
AGTGA CTGGAGTTCAGACGTGTGCTCTTCCGATCTACTGTCTCCACTGATTCGGAATTAGAGAAAGAC
GACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAGGGATAA
TTT
+
FF:FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1637:15230:36417_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA
+
FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF
FFF
@A00721:190:HGJW7DSXY:4:1427:20663:29637_2:N:0:TCTGCAAG+GCTGCACT
ATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTC
GAGCTCGACCCTATTATATGGTATTAACCTATAAAGGTGAGGAGACC
+
FFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1524:20989:12195_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+
FFFFF::FFF:FFFFFFFF:FF
::F:FFFFFFFF:FF
FFF
@A00721:190:HGJW7DSXY:4:1211:4381:34162_1:N:0:TCTGCAAG+GCTGCACT
CACCTCGCATAACGCTATTTTTTCGGACCTCAACTTAAAACCCTAATATAACACCCGCACACGACTCGA
AACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTT
+
FF:F,,,:,,,FF,,,:,,,FFF:F,,,F,F,F,,,F:,,,F,,,,,:,,F,FF,,F,,FFFF:FFF
FF
@A00721:190:HGJW7DSXY:4:2426:15935:24674_1:N:0:TCTGCAAG+GCTGCACT
TGACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGT
AGCATTGATTTACTTTTACCGTTAGAACTGAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAA
ACG
+
FF:FFFFF:FFFFF:FFFFFFFFFF:FFFFF,F:F:FF:FFFFFFFFFF:FFFFF:F:FFFFFFFFFF
FF:FFFFFFFFFFFFFFFF:FFF:FF:F,FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFF:
FFF
@A00721:190:HGJW7DSXY:4:2421:30228:19460_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCAGGAAGAACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:1175:1759:31375_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
@A00721:190:HGJW7DSXY:4:1117:25681:20509_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTTCGGAATTAGAGAAAGACGACCTT
CTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGAC
+
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:,FFFFFF:FFFFFFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFF,FFF:
@A00721:190:HGJW7DSXY:4:1669:3522:8844_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA
+
FFFFFFFFFFFFFFFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1569:24587:28855_2:N:0:TCTGCAAG+GCTGCACT
ATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTC
GAGCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACC
+
FFFF:FFFFFFFF:,FFFFFF:FFFFF:FFFFFF:FF::FFFF,FFFF:FFFFFF:FFFFF
FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:F,FFF:
@A00721:190:HGJW7DSXY:4:1528:29722:23907_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG

ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FF
F:FF
FFF

@A00721:190:HGJW7DSXY:4:2525:15483:16752_1:N:0:TCTGCAAG+GCTGCACT
CAACGAGTATAAAGCGTTTTTCCGTCCTCAACTAAATACACGAAGATAACACCCGCAAACGACTCGA
AACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTAT
A

+

:F:,,,F::F,,F,,,FF,,F:,,F,,,F:,,,FF,:F:,,F,,,F,:F,FF,,F,FFFFFFFF
FF
F

@A00721:190:HGJW7DSXY:4:2607:30264:26130_1:N:0:TCTGCAAG+GCTGCACT
TGACTGTTTATAATATTACAATAGCTATTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGT
AGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAA
ACG

+

FFF::FF,FFF:FFF:FFFFFF:,,:FFFF:FF:FF,FFFFFF:FF,FFFFFF:FFFFFF,FFF::F
FFFFFF,:FFFF:FFF:F:,:F:FFFF:FFFF::FF,FFFF,FFFFFFFF:FFFF::FFFF,
FFF

@A00721:190:HGJW7DSXY:4:2546:4336:36432_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

FFF:FFFFFFFF:FFFFFFFF:,F,F:FFFFFFFF:F:F,FF,FFFFFFFF:F,F,:FFF::FFF
F,FFFF,FFF:FFFFFF:F,F,:FFFF:FFFF:FF,FF,FFFFFFFFFFFFFFFFFFFF:FF:FF:
FFF

@A00721:190:HGJW7DSXY:4:1265:6813:11099_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC

+

FF
FF

@A00721:190:HGJW7DSXY:4:1240:10321:29011_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTT
CTTGTGGGACTGAGACCTCTGAATTTTCAAGGTGCCCTGATGAGGAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2130:4698:17801_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

FFFFFFFFFFFFFFFF:F:FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2207:1127:4946_2:N:0:TCTGCAAG+GCTGCACT
ATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGATTACACGGTACCAGCGCATCTCGTGTC
GAGCTCGACCCTATTATATGGTATTAAGTTATAAAGGTGAGGAGACC

+

@A00721:190:HGJW7DSXY:4:1536:11532:12007_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

```
F,FFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFF::FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

@A00721:190:HGJW7DSXY:4:2228:2419:7498_1:N:0:TCTGCAAG+GCTGCACT
CACCGCGTATAACGCGATTTTTCCGTCCTGAACGTAATACACGACGATATCACCCGAAAACGACTCGA
AACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTAT
A

+

[illegible]

@A00721:190:HGJW7DSXY:4:1123:26955:25347_2:N:0:TCTGCAAG+GCTGCACT
GACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTA
GCATTGATTTACTTTTACCGTTAGAAGTGAAGGAGATTCTTTTCGAAA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2560:20265:5400_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1347:18059:20306_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC

+

[illegible]

@A00721:190:HGJW7DSXY:4:1275:7012:23093_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAACGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGAC

+

[illegible]

@A00721:190:HGJW7DSXY:4:2207:2374:25645_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2208:29559:31610_2:N:0:TCTGCAAG+GCTGCACT
ATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTC

+

@A00721:190:HGJW7DSXY:4:1543:18828:21512_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

@A00721:190:HGJW7DSXY:4:1363:28203:29794_1:N:0:TCTGCAAG+GCTGCACT
CAACGAGGATAAAGCGATTTTTCCGTCCTGAACCTTAATACACGATGAGATCATCCGAAAACGACTCGA
AACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTAT
AGC

+

@A00721:190:HGJW7DSXY:4:1141:11153:26600_2:N:0:TCTGCAAG+GCTGCACT
GACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTA
GCATTGATTTACTTTTACCGTTAGAAGTAAAAAGATTCTTTTCGAAA

+

@A00721:190:HGJW7DSXY:4:2630:23276:5822_1:N:0:TCTGCAAG+GCTGCACT
ATACGTCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACAAGAACAACCTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

@A00721:190:HGJW7DSXY:4:1347:31078:34522_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC

+

@A00721:190:HGJW7DSXY:4:1555:31711:36495_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGAC

+

@A00721:190:HGJW7DSXY:4:2248:17282:2206_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2448:14163:34757_2:N:0:TCTGCAAG+GCTGCACT
ATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTC
GAGCCTCGACCCGATTATATGGTATTAAC TTATAAAGGTGAGGAGATC

+

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF
FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1644:24334:19586_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTTATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FFFF:FFF,FFFFFF,FFFFFFFFFFFFFF:FFFF,FF,,FF:,FF,FF,,FFFFFF:FFFFFFFF
,FFFFFF::FFFFFF::FFFF,FFFF:FFFFFFFF:FFF:FFFF,F,:FFF:FFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1521:14335:17895_1:N:0:TCTGCAAG+GCTGCACT
AACGAGTATAAAGCTTTTTTCCGTCTTAAC TTAATACACGAATATATCATCCGCACACGACTCGAA
ACCGAGACGCCGTAGATCAAAGTCCCTTCTAAC TTTAGATTATGAATCCTGCCTTTACTCATTTTATA

+

F,::,:FF::,:FFF:F,,,,F,F,,,,F::F:F,,FF,,,F,,F,FF,,F,FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1172:13702:35180_2:N:0:TCTGCAAG+GCTGCACT
GACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTA
GCATTGATTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA

+

FFF,FFFFFFFF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FF:FFF:F

@A00721:190:HGJW7DSXY:4:1518:10456:34538_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTACTGAAGCCTTCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGTTTACCAGGCTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1506:17689:2096_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTCAAGTTTTTAGATCTTCTTGATAATC

+

FFFFFFFFFFFFFFFF:FFFF::FFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFF::FFFFF:

@A00721:190:HGJW7DSXY:4:2432:25789:17503_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTT
CTTGTGGGACTGAGACCTCTGAATTTTCAAGGTGTCCTGATGAGGAC

+

FF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2325:31891:6872_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGGCCGCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

FFF:FFFF,FF,FF,F:FFFFFFFF:FFFFFFFF,FFFFFFFF,::FFFF::FFF,,F:FF
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF,FFFFFFFFFFFF
FFF

$+$

@A00721:190:HGJW7DSXY:4:1646:32886:4773_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

 $+$

@A00721:190:HGJW7DSXY:4:1627:31159:15969_1:N:0:TCTGCAAG+GCTGCACT
ACCGTGGATAAAGCTAGTTTTCCGTCCTGACCTTAATACACGAAGTGATCATCCGCAAACGACTCGAA
ACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATA

+

@A00721:190:HGJW7DSXY:4:1172:13856:34507_2:N:0:TCTGCAAG+GCTGCACT
GACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTA
GCATTGATTTACTTTTACCGTTAGAAGTAAAAAGATTCTTTTCGAAA

+

@A00721:190:HGJW7DSXY:4:1629:16251:32049_1:N:0:TCTGCAAG+GCTGCACT
TGTGCTCTTCCGATCTACTGAAGCCTTCCCCTCCGCTGGCACAAGAACAACCTCCCAAGCCAATCAATA
GTTCTTCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAAT
GTC

+

@A00721:190:HGJW7DSXY:4:1524:18313:22936_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC

+

@A00721:190:HGJW7DSXY:4:2523:16640:31751_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGAC

+

@A00721:190:HGJW7DSXY:4:2358:2257:9283_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

[illegible]

@A00721:190:HGJW7DSXY:4:2603:5945:3897_2:N:0:TCTGCAAG+GCTGCACT
ATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTC
GAGCCTCGACCCGATTATATGGTATTAAC TTATAAAGGTGAGGAGATC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2121:14904:9392_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FFF:FFF:FFF:FF
FFFFFFFF:FFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1215:28203:23062_1:N:0:TCTGCAAG+GCTGCACT
AACTCGTATAAAGCGTGTTCGCCCTGAAGTTAATACACTAATAGATCACCCGCACACGACTCGAA
ACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATA

+

F,F,,,:F,FF,,,:,,FFF:F,,,F:F,F:,,,,:,,F,,,,,:,,,F,,F,F:,,F,FFF:F,FFFF
FF

@A00721:190:HGJW7DSXY:4:1375:14832:8108_2:N:0:TCTGCAAG+GCTGCACT
GACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTA
GCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA

+

F:FFFF:FFFFFFFFFFFF:FFF::F:F:FF
FF

@A00721:190:HGJW7DSXY:4:1416:14244:33426_2:N:0:TCTGCAAG+GCTGCACT
TCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCT
TCTGACCAGAAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACC

+

FF
FFFFFFFFFFFFFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:1533:16369:32409_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2524:24695:4178_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTT
CTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGAC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2516:18186:13479_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGGCCGCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

FFFFFFFFFFFFFF:FFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2604:5086:33254_2:N:0:TCTGCAAG+GCTGCACT
ATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTC

+

@A00721:190:HGJW7DSXY:4:2121:8856:14262_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

@A00721:190:HGJW7DSXY:4:1344:25834:14575_1:N:0:TCTGCAAG+GCTGCACT
AACGTGTATAAAGCGTTTTTTCCGTCTGAACGTAATACACCAAGAGATCATCCGCAAACGACTCGAA
ACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATA
GC

+

@A00721:190:HGJW7DSXY:4:1574:18801:34460_2:N:0:TCTGCAAG+GCTGCACT
GACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAGGTAACCGGTGAACACGTCGGTA
GCATTGATTTACTTTTACCGTTAGAAGTGAAGGATTTCTTTTCGAAA

+

@A00721:190:HGJW7DSXY:4:1510:24632:21355_2:N:0:TCTGCAAG+GCTGCACT
TCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCT
TCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACC

+

@A00721:190:HGJW7DSXY:4:1564:25807:13526_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC

+

@A00721:190:HGJW7DSXY:4:2560:28691:26882_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGAC

$$+$$

@A00721:190:HGJW7DSXY:4:2516:18358:14215_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

@A00721:190:HGJW7DSXY:4:2648:8043:2174_2:N:0:TCTGCAAG+GCTGCACT
ATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTC

+

@A00721:190:HGJW7DSXY:4:2127:10981:27555_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

@A00721:190:HGJW7DSXY:4:2272:18322:32659_1:N:0:TCTGCAAG+GCTGCACT
AACGAGTATAAAGCGATTTTTCCGTCTGAACGTAAACACTAATATATCATCCGCAAACGACTCGAA
ACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATA
GC

+

@A00721:190:HGJW7DSXY:4:1667:32497:5635_2:N:0:TCTGCAAG+GCTGCACT
GACTGTTGATAATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTA
GCATTGATTTACTTTTACCGTTAGAAGTGAAGAAAGATTCTTTTCGAAA

+

@A00721:190:HGJW7DSXY:4:1523:23068:16485_2:N:0:TCTGCAAG+GCTGCACT
TCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCT
TCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACC

+

@A00721:190:HGJW7DSXY:4:2304:12237:25160_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC

+

@A00721:190:HGJW7DSXY:4:2603:15600:6464_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTGGAATTAGAGAAAGACGACCTT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGAC

+

@A00721:190:HGJW7DSXY:4:2517:32045:21010_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

@A00721:190:HGJW7DSXY:4:2650:17183:18505_2:N:0:TCTGCAAG+GCTGCACT
ATAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTC

$+$

@A00721:190:HGJW7DSXY:4:2138:12120:35102_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

@A00721:190:HGJW7DSXY:4:2470:31087:4288_1:N:0:TCTGCAAG+GCTGCACT
AACGAGGATAAAGCGTGTTTTCCGTCTGAACTTAATACACGAAGAGAAAAATCCGCAAACGACTCGAA
ACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATA
GC

+

@A00721:190:HGJW7DSXY:4:2128:18683:14591_2:N:0:TCTGCAAG+GCTGCACT
GACTGTTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTA
GCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA

 $+$

@A00721:190:HGJW7DSXY:4:2213:32389:16313_2:N:0:TCTGCAAG+GCTGCACT
TCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCT
TCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACC

+

@A00721:190:HGJW7DSXY:4:2364:2844:19382_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC

+

@A00721:190:HGJW7DSXY:4:2603:23538:30577_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTGGAATTAGAGAAAGACGACCTT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGAC

+

@A00721:190:HGJW7DSXY:4:2548:11541:32847_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGCCGCTCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

@A00721:190:HGJW7DSXY:4:2672:5412:9267_2:N:0:TCTGCAAG+GCTGCACT
ATAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTC

GAGCCTCGACCCTATTATATGGTATTAACCTATAAAGGTGAGGAGACC

+

FF
FF

@A00721:190:HGJW7DSXY:4:2139:18964:4867_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2618:6244:6355_1:N:0:TCTGCAAG+GCTGCACT
AACGAGTAAAAAGCTTGTTCCTTCCTGAACGTAATACACTAAGAGAAAAACCGAAAACGACTCGAA
ACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATA
GC

+

F,:FF:F,,F:,F,,,FF::F,,,,,F,F:,,,FF,:,:,F,:,,F,FF,,F,FFFFFFFFF
FF
FF

@A00721:190:HGJW7DSXY:4:2218:23258:5478_2:N:0:TCTGCAAG+GCTGCACT
GACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTA
GCATTGATTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:2262:27227:10347_2:N:0:TCTGCAAG+GCTGCACT
TCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCCAAGCCAATCAATAGTTCT
TCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACC

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:2404:6072:9095_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC

+

FF
FF
FF

@A00721:190:HGJW7DSXY:4:2617:2546:13636_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTT
CTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGAC

+

FFFFF:FFFFF:FF
F,:FFFFFF,FF
FF

@A00721:190:HGJW7DSXY:4:2563:29767:32283_1:N:0:TCTGCAAG+GCTGCACT
GAACCTTCGGCCGCTCTTTGCTTCGATGTTGGATGTCAAGAAGGGTTCAGAATGGGATTCCTACGT
AGTTTATGACTTTGGTGGTGGTACTTTCGATACTTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

FFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2131:23927:3192_1:N:0:TCTGCAAG+GCTGCACT
TAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGCG

AGCCTCGACCCGATTATATGGTATTAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATA
GAA

+

FFFFFF:FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:F:FFFFFF:FFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2139:19000:4930_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FFFFFFFFF,FF
FFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1610:16649:33771_1:N:0:TCTGCAAG+GCTGCACT
GTTGTTCTGAGGTGTGCTCTTCTATCTCTTAATACACGAATAGACAAACCGCACACGACTCGAAACC
GAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATT

+

F,:,:,F,:,:,F,:,:,F,F,:,:,FF,:,:,F,:,:,F,:,:,FF,:,:,
FF

@A00721:190:HGJW7DSXY:4:2418:12753:3912_2:N:0:TCTGCAAG+GCTGCACT
GACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTA
GCATTGATTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA

+

,FFFFFF:F,,FF:,FF:,FF,,FF,:FFFFFFFFF:FFFFFF:FF:F:FFF:F:FFFFFFF
:FFFF:FFFFFF,F::F,:FFFFFFFFF,FFFFFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2542:25780:12790_2:N:0:TCTGCAAG+GCTGCACT
TCGTGGGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACAACCTCCAAGCCAATCAATAGTTCT
TCTGACCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACC

+

FF:FF:FFFFFFFFFFFFF
FFF:FFFFFF:F,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF,:

@A00721:190:HGJW7DSXY:4:2404:6551:10300_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC

+

FFFFFFFFFFFFF:FFFFFFFFFFFFF:FFFFFF:FFFFFFFFFFFF:FF:F:F:,FFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:FFFFFF:FF:FF:FF,F,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2630:3161:9878_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTT
CTTGTGGGACTGAGACCTCTGAATTTTCAAGGTGCTGATGAGGAC

+

FF:FFFFFFFFFFFFFFFFFFFFF
FF:FFFFF

@A00721:190:HGJW7DSXY:4:2516:18439:13980_1:N:0:TCTGCAAG+GCTGCACT
GTAAGTTCGGGCGGTTTATTTGATTGATGTTGGATGTCTAGTAGGGTTCAGAATGGGTTTCTACGT
AGTTTATGACTTTGGTGGTGTACTTTGATTATTCTATCGTCTTACGTTACGGTAATTACTATAGTG
TTA

+

F,F,FFF,F:,F:,,,FFFF,F:,F,:FFFFFFFF:FFF,,FF,FFF,FFF,F,,FFF,,FF,FFF,,F
F,FFF,FF,FFF,FFF,FFF,FFF,FFF:FFF,,FFFFFF,FF,FFF,FF,,:,FFFFFF:F:,F,F
FF,

@A00721:190:HGJW7DSXY:4:2153:27236:26334_1:N:0:TCTGCAAG+GCTGCACT
TAATGACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGCG

AGCCTCGACCCGATTATATGGTATTAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATA
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2159:4444:26005_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCACTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FFFFF:FF::FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1540:4634:25676_1:N:0:TCTGCAAG+GCTGCACT
GGATAAAGCTTTTTTCCGTCCTGAAGTAAACACTATTATAACATCCGAAAACGACTCGAAACCGA
GACGCCGTAGATCAAAGTCCCTTCTAACTTTAGAT

+

: , F , , : F : , : , FFFF , : , : FF , F , : F : : F : F , : FF , , , , , : , , , : , , F , : , : FF : FFFF : FFFFFFF
FF : F : : FFFFFFFF : FFFFFFFF FFFFFFFF

@A00721:190:HGJW7DSXY:4:2601:25735:21512_2:N:0:TCTGCAAG+GCTGCACT
GACTGTTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTA
GCATTGATTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA

+

FF: FFFFFFFF : FFFFFFFF , FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF , FFFFFFFF FFFFFFFF

@A00721:190:HGJW7DSXY:4:2678:32362:32111_2:N:0:TCTGCAAG+GCTGCACT
GGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGA
CCAGAATGAAAAGGGGTTACCAGGGTAGTCTCTAAGTCTACCAGGAA

+

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: : FFFFFFFF FFFFFFFF : FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF FFFFFFFF

@A00721:190:HGJW7DSXY:4:2456:7654:30906_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC

+

FFFFFFFFFFFFFFFFFFFFFFFF: : FFFF : FFFFFFFF : : FFFFFFFF , FFFFFFFF
FFFFF : FFFFFFFF : F : FFFF : F : FFFFFFFF

@A00721:190:HGJW7DSXY:4:2630:3649:10692_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTT
CTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGAC

+

FFFFFFFFFFFFFFFFFFFFFFFF: FF : FFFFFFFF : FFFFF , FFFFFFFF
FF , FFFFFFFF , F : FFFFFFFF : FFF

@A00721:190:HGJW7DSXY:4:2162:12509:7153_1:N:0:TCTGCAAG+GCTGCACT
TAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGCG
AGCCTCGACCCGATTATATGGTATTAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATA
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2226:23366:10394_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG

[illegible]

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFF,F,FFFFFFFFFFFF::FFFFFFFFFFFFFFFF,F
```

```
+
FFFFFFFFFFFFFFFF, , FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFF, FFFF:FFF:FF:FFFFFFFFFFFF
FFF:FFFFFFFF, FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF
```

```
+
F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

```
+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
```

[illegible][illegible][illegible]

@A00721:190:HGJW7DSXY:4:1355:11568:4022_2:N:0:TCTGCAAG+GCTGCACT
TTGATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATT
GATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAA

@A00721:190:HGJW7DSXY:4:2464:9697:35070_1:N:0:TCTGCAAG+GCTGCACT
GGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACACTCCCAAGCCAATCAATAGTTCTTCTGA
CCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAA
CTG

@A00721:190:HGJW7DSXY:4:2603:22164:15671_2:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATC

@A00721:190:HGJW7DSXY:4:2640:25030:35884_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGAC

@A00721:190:HGJW7DSXY:4:2521:5339:21825_1:N:0:TCTGCAAG+GCTGCACT
TAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTCG
AGCCTCGACCCGATTATATGGTATTAACTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATA
GAA

@A00721:190:HGJW7DSXY:4:2470:25120:4131_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

@A00721:190:HGJW7DSXY:4:2534:9878:6292_1:N:0:TCTGCAAG+GCTGCACT
GTAAAAAGCTATTTTCCGTCCTTAACCTAAACACTAAGATATCAACCGCACACGACTCGAAACCGA
GACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTT

@A00721:190:HGJW7DSXY:4:1536:13765:15217_2:N:0:TCTGCAAG+GCTGCACT
TTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATT
GATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAA

@A00721:190:HGJW7DSXY:4:1227:2718:2284_1:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAAT
AAA

@A00721:190:HGJW7DSXY:4:2677:29749:29778_2:N:0:TCTGCAAG+GCTGCACT
TCAGTTCTACCACAGAAACCGTCTCAGGAAGTGTCTCCACTGATTCGGAATTAGAGAAAGACGACCTT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGAC

@A00721:190:HGJW7DSXY:4:2576:31575:5040_1:N:0:TCTGCAAG+GCTGCACT
TAATGACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTCG
AGCCTCGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATA
GAA

@A00721:190:HGJW7DSXY:4:2513:24035:14215_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

@A00721:190:HGJW7DSXY:4:1273:9977:34303_1:N:0:TCTGCAAG+GCTGCACT
GGATAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGA
GACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGT
TA

@A00721:190:HGJW7DSXY:4:2412:20907:2284_2:N:0:TCTGCAAG+GCTGCACT
TTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATT
GATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAA

@A00721:190:HGJW7DSXY:4:1236:15085:32471_1:N:0:TCTGCAAG+GCTGCACT
TGAGGTAAGCCTTCCCCTCCGCTGGCACGAAGAACAATCCCAAGCCAATCAATAGTTCTTCTGA
CCAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAA
CTG

```
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFFFFFFFFFFFFFFFFFFF;FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF  
FFF
```


@A00721:190:HGJW7DSXY:4:1356:4227:14262_1:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAAT
AAA

+

FF
FF,
FFF

@A00721:190:HGJW7DSXY:4:2659:24903:31939_1:N:0:TCTGCAAG+GCTGCACT
TGTCTCCACTGATCCGGAATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGAC
CAG

+

FFFFFFFFFFFFFF,FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1165:3432:34554_1:N:0:TCTGCAAG+GCTGCACT
ACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCCT
CGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAAGA
TTA

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2628:24162:30906_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGAAAAGTCCGGAGTATATTGTAT
GTT

+

FFFFFFF,FF:FFF
:FF
FFF

@A00721:190:HGJW7DSXY:4:2652:23692:24799_1:N:0:TCTGCAAG+GCTGCACT
TATAATGCTTTTTTTCCGTCTTTAAGGTAATACACTAAGATATCATCCGCAAACGACTCGAAACCGAG
ACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTT

+

FF:FF,F:,,,FFF:F,,:F,F::F,,,:,FF,F:,:,,,:,,,,,,F:,,F,FFFFFFFFF:FFFFF
FF
FF

@A00721:190:HGJW7DSXY:4:2434:18602:20212_2:N:0:TCTGCAAG+GCTGCACT
TTGATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATT
GATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAA

+

FFFFFFFFFFFFFFFF,FFFF:FFFF:FFFF,FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF,
+

@A00721:190:HGJW7DSXY:4:1537:9986:27649_1:N:0:TCTGCAAG+GCTGCACT
TGAGGTACTGAAGCCTTCCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGA
CCAGAATGAAAAGGGGTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAA
CTG

+

FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1544:23927:18380_1:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT

TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAAT
AAA

+

::FFFFFFFF:FFF:FF,FFFF,FF,FF,FFFFFFFF,FFFF:FF:FF,:FFF,FFFFFF:FFFFFF,FFF
FFFFFF:F,FF::FFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF::,FFFFFF:FF
FF,

@A00721:190:HGJW7DSXY:4:1275:11388:36057_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGAC
CAG

+

FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1263:25807:17910_1:N:0:TCTGCAAG+GCTGCACT
ACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGCTGCCT
CGACCCGATTATATGGTATTAACCTATAAAGGTGAGGTGACCATTTTCTTGCTGAAATTTATAGAAGA
TTA

+

:FFF,FFF,F:FFFF,,:FFFFFFFF,FFFF:F,F,F:F,FF:F:FFFF::FF:F:FFFFFFFF:,FFFF
FF::F::FF,F,FFFF,FF:F,FF:F,FF:FFFF:,F:FFFFFFFF:F:F,:FF,FFFF,FFFF,:F
FF:

@A00721:190:HGJW7DSXY:4:2660:19732:36448_1:N:0:TCTGCAAG+GCTGCACT
AATCAAAGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAG
ATCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTAT
GTT

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2624:10583:2816_1:N:0:TCTGCAAG+GCTGCACT
ATAACGCTTTTTTGCCGTCCTTAAGTAAAAACACTAACATAAAATCCCAACACGACTCGAAACCGAGA
CGCCGTAGATCAAAGTCCCTTCTAACTTTAGA

+

: ,F:,,,:::FFF,F,,,,:F,F:,,,F,,,,,:,,,,,F,,,FF,,F,FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1256:2374:3223_2:N:0:TCTGCAAG+GCTGCACT
ATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGAT
TTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCT

+

FFFFFFFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:2402:8748:23907_1:N:0:TCTGCAAG+GCTGCACT
GAGGTACTGAAGCCTTCCCTCCGCTGGCACGAAGAACTCCCAAGCCAATCAATAGTTCTTCTGAC
CAGAATGAAAAGGGGTTTACCAGGGTAGTCTCTAAGTCTACCAGGAAGAGGGGAAATGTCCCCAAAAC
TGA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1676:30599:22827_1:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAAT
AAA

+
FFFFFFFF:FFFFFFFFFFFFFFFF:FF
FF:FF
FFF
@A00721:190:HGJW7DSXY:4:1533:16721:21183_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGAC
CAG
+
FFFFFFFF,FF:FFFF:F,FFFF,F,F:F:FFF,FF::FFFF:FFFFFF,F:FF,FFFFFFFF,F
:FFFF,FFFF:FFF::FFFF:FFFF:FFFF:,F:F:FFF:FFFFFFFF:FFF:FF,FFFF::
F,F
@A00721:190:HGJW7DSXY:4:1574:16559:7905_1:N:0:TCTGCAAG+GCTGCACT
ACGAGACTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCT
CGACCCGATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAAGA
TTA
+
:,F,FFFF:FF:FF:FFFFFF:FFFFFF:FFF:FFFF:FFFFFF,F:FF:FFFFFFFF, :F
FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFF::FFFFFFFFFFFFFF,F:FFFF:F
,FF
@A00721:190:HGJW7DSXY:4:1453:32741:35399_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTAGAGA
TCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATG
TT
+
F,:,F:,FF,FFFFFFFF,:,FFF,F::,F,FF,FFF::F:FF,,,:FFF::FFFFFF:FFFF,
,F,:,FF:FFFF::F:,FFFF::FF:F:FFFF,,FFFF:FF,FF:FFFF:FFFFFFFF::F:FF
F:
@A00721:190:HGJW7DSXY:4:2233:26178:12258_1:N:0:TCTGCAAG+GCTGCACT
ATAACGCGTGTTCGCCCTCACCTTAATACAGATGATAACCCCGCACACGACTCGAAACCGAGA
CGCCGTAGATCAAAGTCCCTTCTAAGTTTAGATT
+
FFF:,,,,,FFF,F:,,F,F,F,,,,F:,F::,F,,,,F::,FF,,,:FFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:1361:25373:26052_2:N:0:TCTGCAAG+GCTGCACT
ATAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGAT
TTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCT
+
FF
FFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF
@A00721:190:HGJW7DSXY:4:2146:16396:32675_1:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGAGACTCCTTCTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCAAT
AAA
+
FFFF,FFF:FFFF:F:FFFF:F,FF::FFFFFFFFFFFFFFFF:FFFF:,FFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFF:,FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF
,:F
@A00721:190:HGJW7DSXY:4:1545:25337:12524_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATATATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGAC
CAG
+
FFFFFFFFFFFFFFFF,FF,,FFFFFFFF,FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF

@A00721:190:HGJW7DSXY:4:2208:29559:31610_1:N:0:TCTGCAAG+GCTGCACT
ACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTCGAGCCT
CGACCCGATTATATGGTATTAACCTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAAGA
TTA

@A00721:190:HGJW7DSXY:4:1162:29469:16266_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGA
TCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGAAAAGTCCGGAGTATATTGTATG
TTA

@A00721:190:HGJW7DSXY:4:1616:1452:13808_1:N:0:TCTGCAAG+GCTGCACT
ATAAAGCTTTTTTCTTCTCAACTAAATACACGAAGATATCATCCGCACACGACTCGAAACCGAGA
CGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTC

@A00721:190:HGJW7DSXY:4:1476:16667:10066_2:N:0:TCTGCAAG+GCTGCACT
ATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGAT
TTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCT

@A00721:190:HGJW7DSXY:4:2440:2139:18474_1:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTCGAAT
AAA

@A00721:190:HGJW7DSXY:4:2108:27552:18803_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTATTAGAGAAAGACGACCTTCTTGTTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGAC
CAG

@A00721:190:HGJW7DSXY:4:2525:16785:22482_1:N:0:TCTGCAAG+GCTGCACT
ACGAGACTTTTCGTCATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTCGAGCCT
CGACCCGATTATATGGTATTAAGTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAAGA
TTA

[illegible]

@A00721:190:HGJW7DSXY:4:1275:25581:11381_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGA
TCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATG
TTA

+

FF
FF,F:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2561:6117:17159_1:N:0:TCTGCAAG+GCTGCACT
ATAAAGCGATTTTTCCTTCCTTAACATAACGAAGATATCATCCGAAACGACTCGAAACCGAGA
CGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTC

+

: ,FF,::,,,FFF,F,F,F:F,F,::,,FF,:::,,,F,,,,:,F,F:,F,FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2244:5330:8437_2:N:0:TCTGCAAG+GCTGCACT
ATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGAT
TTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCT

+

FF
FFFFF,FF

@A00721:190:HGJW7DSXY:4:2576:28736:13557_1:N:0:TCTGCAAG+GCTGCACT
GAAGGCTGGCTCTAAGGGAGACTCCTTCTTTTTGAATGTTGTAAAGAATTGGGTTGAGAAGTGTGCTT
TACAAGGAGTTAGACTCTTCTTCAAGTTTTTAGATCTTCTTGATAATCTTAAAGAAAAATTTTGAAT
AAA

+

FFFFFFFFFFFF,FFFFFFFFFFFF,FFF,:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2155:28745:15264_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTCAAAAGAC
CAG

+

FFFFF:FF,FFFFFFFF,FFFFF:FFF:F:FFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1465:8088:3787_1:N:0:TCTGCAAG+GCTGCACT
CGAGACTTTCGTATAATCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTGAGCCTC
GACCCGATTATATGGTATTATCTTATAAATGTGAGGAGACCATTTCTTGCTGAAATTTATAGAAGAT
TA

+

FFF,F,FF:,FF,FFFFF,:F::FFFFFFFFFFFF:FF:FFFF:FFF,F:FF,F:FFFF:F,F::F,
F,:F,:FFFFFFFF,FFFFF:, ,FFFFFF, ,FFFFFFFFF:,FFFFFF:FFFFF,:FFF:FFF,F,:FF
FF

@A00721:190:HGJW7DSXY:4:1413:13458:12399_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGA
TCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATG
TTA

+

FF:
:FFF,FFFFFFFF,FFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1132:9073:21214_1:N:0:TCTGCAAG+GCTGCACT
ATAACGCTTTTTTCCGTCGTTAACTTAATACCCTAATATATCAACCGAACACGACTCGAAACCGAGA

+

@A00721:190:HGJW7DSXY:4:2361:18240:4523_2:N:0:TCTGCAAG+GCTGCACT
ATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGAT
TTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCT

+

@A00721:190:HGJW7DSXY:4:2174:22950:30091_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGAC
CAG

+

@A00721:190:HGJW7DSXY:4:1569:24587:28855_1:N:0:TCTGCAAG+GCTGCACT
CGAGACTTTTCGTCATAATAGCTGCATATTACGGATTACACGGTACCAGAGCATCTCGTGTGAGCCTC
GACCCTATTATATGGTATTAACCTATAAAGGTGAGGAGACCATTTCTTGCTGAAATTTATAGAAGAT
TA

+

@A00721:190:HGJW7DSXY:4:1644:15826:16971_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGA
TCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGAAAAGTCCGGAGTATATTGTATG
TTA

+

@A00721:190:HGJW7DSXY:4:1208:17481:35837_1:N:0:TCTGCAAG+GCTGCACT
ATAACGCGTGTTCCTCCGACCTCACCTTAATACACGAACAGAACCCCGAAACGACTCGAAACCGAGA
CGCCGTAGATCAAAGTCCCTTCTAAGTTTAGATTATGAATCCTGCCTTTACTCATTTTATA

+

@A00721:190:HGJW7DSXY:4:1226:19488:24345_2:N:0:TCTGCAAG+GCTGCACT
ATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGAT
TTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCT

+

@A00721:190:HGJW7DSXY:4:2174:23511:31720_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGAC
CAG

+

[illegible]

+

@A00721:190:HGJW7DSXY:4:2222:20410:31297_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGA
TCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCACGGAAAGTCCGGAGTATATTGTATG
TTA

+

@A00721:190:HGJW7DSXY:4:1409:5773:35446_1:N:0:TCTGCAAG+GCTGCACT
AAAAAGCTAGTTTACCGACCTTAATAAATACTAAGAGATCAGCCGAAAACGACTCGAAACCGAGA
CGCCGTAGATCAAAGTCCCTTCTAAGTTTATGAATCCTGCCTTTACTCATTTTATA

+

@A00721:190:HGJW7DSXY:4:1353:12454:22874_2:N:0:TCTGCAAG+GCTGCACT
ATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGAT
TTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCT

+

@A00721:190:HGJW7DSXY:4:2272:12906:19272_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGAC
CAG

+

@A00721:190:HGJW7DSXY:4:2647:1271:1564_2:N:0:TCTGCAAG+GCTGCACT
TCGCTGCATATTACGGATTACACGGTACCAGCGCATCTCGTGTCGAGCCTCGACCCGATTATATGGTA
TTAACTTATAAAGGTGAGGAGACCATTTTCTTGCTGAAATTTATAGAA

+

@A00721:190:HGJW7DSXY:4:2378:29713:2597_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGA
TCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGGAAAAGTCCGGAGTATATTGTATG
TTA

+

@A00721:190:HGJW7DSXY:4:1218:13123:18270_1:N:0:TCTGCAAG+GCTGCACT
ATAAAGCGATTTTCTTCCTTAATACTAAATACACTAAGATATCATCCGAAACGACTCGAAACCGAGA
CGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGC

 $+$ [illegible]

@A00721:190:HGJW7DSXY:4:1414:13874:6637_2:N:0:TCTGCAAG+GCTGCACT
ATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGAT
TTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCT

+

FF
FFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2547:13783:5885_1:N:0:TCTGCAAG+GCTGCACT
CGTGTGCTCTTCCGATCTATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGAC
CAG

+

FFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2403:10845:29919_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGA
TCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATG
TTA

+

F:FFF:FF
FFFF,FF
FFF

@A00721:190:HGJW7DSXY:4:1412:3830:20306_1:N:0:TCTGCAAG+GCTGCACT
ATAAAGCGAGTTTTCCGACCTGAACGTAATACACGAAGAGAACAGCCGCACACGACTCGAAACCGAGA
CGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTA

+

F:F:,,,::,FFF,F,F,F:,,,F:,,,FF,:F:F,F,,,F,:F,F:,,,FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2118:13747:18317_2:N:0:TCTGCAAG+GCTGCACT
ATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGAT
TTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCT

+

FFFFFFFFFFFFFFFF:FF
FF:FF:

@A00721:190:HGJW7DSXY:4:2435:1271:2190_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTTCCGATCTATTAGAGAAAGACGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAG
GTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGACC
AG

+

FFFFFFFFFFF:FFFF:FF
FF:FFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2462:10176:1360_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGGTTTTGAATTTAGCTCAACTGGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGA
TCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATG
TTA

+

FFFFF:FF
,FF
FFF

@A00721:190:HGJW7DSXY:4:1126:21368:27665_1:N:0:TCTGCAAG+GCTGCACT
TAAAGCGAGTTTTCCGTCCTGAACGTAATACACGAAGAGAACATCCGCAAACGACTCGAAACCGAGAC
GCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTA

+

:FF,::,,:FFF:F,,,FFF,FF:,,F,:::,F,F:,,,F,FF,FF,,F,FFFFFFFF:FFFFFFFF
FF:FFFFFFFF
@A00721:190:HGJW7DSXY:4:2160:11785:17174_2:N:0:TCTGCAAG+GCTGCACT
ATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGAT
TACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCT

+

FF:FF:FFFFFFFF:FFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1340:26738:9878_2:N:0:TCTGCAAG+GCTGCACT
AAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGG
GATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAA

+

FF:FFFFF,FFFF:FFFF:FFFFFFFF:,,:F,:FFFFFFFF:F,FF
FF,FF:FF:FFFF
@A00721:190:HGJW7DSXY:4:2475:28103:18944_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGA
TCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATG
TTA

+

FFFFF:FFFFFFFF:FF
FFFF,FF
FFF
@A00721:190:HGJW7DSXY:4:2436:7753:2112_1:N:0:TCTGCAAG+GCTGCACT
GTGTGCTCTTCCGATCTCCTCAACTTAATACCCGAAGAGATCATCCGCAAACGACTCGAAACCGAGAC
GCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTA

+

F::F:,F,F,F,,F,:,:,F,,F:FF,F:,,,F,,F:F,F:,FF,,F,FFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:2320:5692:26068_2:N:0:TCTGCAAG+GCTGCACT
ATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGAT
TACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCT

+

FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FF
@A00721:190:HGJW7DSXY:4:1340:28592:7983_2:N:0:TCTGCAAG+GCTGCACT
AAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGG
GATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAA

+

FF:FFFFFFFFFFFFFFFFFFFF
FF:F
@A00721:190:HGJW7DSXY:4:2510:10981:21605_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGA
TCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATG
TTA

+

FFFF,F,:FFFFFFFF:F:F:F:FFF,:FFFF:FF:,F,FFFF,,FFF::FFF:FF,FFFFFFFF
FF:FFF:F,FFFF,F,F:FF:FFFF:FFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFF:FF,FFFF
FFF

@A00721:190:HGJW7DSXY:4:1367:18575:24298_1:N:0:TCTGCAAG+GCTGCACT
TAAAGCTTGTTTTCCGTCCTGAACCTTAATACACTAAGATATCATCCGCACACGACTCGAAACCGAGAC
GCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTAT
TTA

+

:F,,F:,,:FFF,:,,:F,:F::,,FF:,:::,F,:F,,,F:F:,FF,:FFFFFFFF,FFF:FF

FFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2418:19434:10441_2:N:0:TCTGCAAG+GCTGCACT
ATAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGAT
TACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCT

+

FFFFFFFFFFFFFF:FF:F:FFFF:FFFFFFFFFFFFFFFF
FFFF:FF

@A00721:190:HGJW7DSXY:4:1346:9887:32456_2:N:0:TCTGCAAG+GCTGCACT
AAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGG
GATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAA

+

FFFFFFFFFFFFFF:FF:FF
FFFFFFFFFFFFFFFFFFFFFFFF,FFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2641:31629:17566_1:N:0:TCTGCAAG+GCTGCACT
ATCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGA
TCTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATG
TTA

+

FFF,:FF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF
FFF:FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2433:3224:3850_1:N:0:TCTGCAAG+GCTGCACT
TAACGCGAGTTTTCGGTCCTGAACGTAATACACGATGAGATAATCCGCAAACGACTCGAAACCGAGAC
GCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTAT
TTA

+

:FF,,:::,FFF:F,FFF:F,FF,:F:F,::,,F,,:,FF,F,FFF:F,FFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:1114:20265:33082_2:N:0:TCTGCAAG+GCTGCACT
TAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATT
TACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1669:13250:19586_2:N:0:TCTGCAAG+GCTGCACT
AAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGG
GATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAA

+

FF:FF
FFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1331:24279:15765_1:N:0:TCTGCAAG+GCTGCACT
TCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGAT
CTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATGT
TA

+

: :FFF,F:FFFFFFFFFFFF: :FFFFFF: :FFFFFF:FFF:FFFF:F,FFFFFFFFFFFFFFFF:FFFF
F:FF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFF:FFFF:FFFFFFFF:FFFFFFFFFFFF
:F

@A00721:190:HGJW7DSXY:4:2122:12138:2973_1:N:0:TCTGCAAG+GCTGCACT
TAACGCTTTTTTCCGTCCTTAACCTTAATACACTAAGATATCACCCGCACACGACTCGAAACCGAGAC
GCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTAT
TTA

+
:F:,,:F:,F:F,F,F,,,:F:,F,,,:F,,,:F,F:,F,FFFFFFFFFFFFFFFFFFFF
FF
FFF
@A00721:190:HGJW7DSXY:4:1241:12753:32534_2:N:0:TCTGCAAG+GCTGCACT
TAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATT
TACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2111:3803:35665_2:N:0:TCTGCAAG+GCTGCACT
AAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGG
GATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1119:20609:25160_1:N:0:TCTGCAAG+GCTGCACT
TCAAAGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGAT
CTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATGT
TAA
+
FFF:FF:F:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1557:1398:19445_1:N:0:TCTGCAAG+GCTGCACT
AAAGCGAGTTTTCCGTCCTGAACTAAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACG
CCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATT
TA
+
FF,F:,,:FFF:F:F,F:F,F:,,:FF,:FF,F,:F,F,FF,FF:FF:FFFFFFFFFFFFFFFFFFFF
FF
FF
@A00721:190:HGJW7DSXY:4:1310:3848:16266_2:N:0:TCTGCAAG+GCTGCACT
TAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATT
TACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTA
+
F,FF
FFFF:FF:,F
@A00721:190:HGJW7DSXY:4:2211:15040:35274_2:N:0:TCTGCAAG+GCTGCACT
AAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGG
GATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1212:24216:13401_1:N:0:TCTGCAAG+GCTGCACT
TCAAAGGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGAT
CTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATGT
TAA
+
FFF,:F:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:1616:1561:13777_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGTTTTCTTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCC

GTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1319:30210:2237_2:N:0:TCTGCAAG+GCTGCACT
TAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATT
TACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTA
+
FFFFFFFFFFFF:FFFFFFFFFFFF,FF:FFF,FFFFFFFFFFFF
FF:FF:FF,,FFFFFFFFFFFFFFFF::FFFFFFFF:F:FF:FFFF:FFF
@A00721:190:HGJW7DSXY:4:2311:32452:27665_2:N:0:TCTGCAAG+GCTGCACT
AAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGG
GATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1341:17345:10802_1:N:0:TCTGCAAG+GCTGCACT
TCAAAGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGAT
CTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATGT
TAA
+
FFFFFF:FFFFFFFFFFFF:FFFFFF, :FFF:FFF:FFF,FFFF:FF::FF:FFFFFF:FFFFFF:FFFFFF
:F,FF
FFF
@A00721:190:HGJW7DSXY:4:2122:12138:2973_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGTTTTCCGTCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCC
GTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACT
+
FF
FF
@A00721:190:HGJW7DSXY:4:1607:12264:26490_2:N:0:TCTGCAAG+GCTGCACT
TAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATT
TACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTA
+
FF
FF
@A00721:190:HGJW7DSXY:4:1607:12264:26490_2:N:0:TCTGCAAG+GCTGCACT
TAATATTACAATAGCTCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATT
TACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTA
+
FF
FF
@A00721:190:HGJW7DSXY:4:2371:19985:22545_2:N:0:TCTGCAAG+GCTGCACT
AAGACGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGG
GATAATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAA
+
FFF:FF
FF
@A00721:190:HGJW7DSXY:4:1434:17400:27774_1:N:0:TCTGCAAG+GCTGCACT
TCAAAGTTTTGAATTTAGCTCAACTGGGAGACGTGCTTAAATGGGTGATAAAAATTATTTAGAGAT
CTTTTCTACTTACAAAGGACAATTCAGTTTCATTAATTCTACGAAAAGTCCGGAGTATATTGTATGT
TAA
+
:FFFFFF, :FFFFFFFFFFFF:FFF:FF
FF
FFF
@A00721:190:HGJW7DSXY:4:2135:20546:10833_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGTTTTCCGTCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCC
GTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACT
+

[illegible]

TACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTA
+
FF:F
FF:
@A00721:190:HGJW7DSXY:4:2174:22950:30091_2:N:0:TCTGCAAG+GCTGCACT
CGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATA
ATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTA
+
FF:F
FF:
@A00721:190:HGJW7DSXY:4:2518:17978:9361_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGTTTTCTTCTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCC
GTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACT
+
FF:F
FF:
@A00721:190:HGJW7DSXY:4:2636:19208:3912_2:N:0:TCTGCAAG+GCTGCACT
TAATATTACAATAGCTCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATT
TACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAAAGAAACCTA
+
FF:F
FF:
@A00721:190:HGJW7DSXY:4:2174:23511:31720_2:N:0:TCTGCAAG+GCTGCACT
CGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATA
ATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTA
+
FF:F
FF:
@A00721:190:HGJW7DSXY:4:2547:25039:3583_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGTTTTCTTCTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCC
GTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACT
+
FF:F
FF:
@A00721:190:HGJW7DSXY:4:1309:26431:4210_2:N:0:TCTGCAAG+GCTGCACT
TCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAG
AACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGAT
+
FFFFFFFFFFFFFF:FF:FFFFFF:FF
FF:
@A00721:190:HGJW7DSXY:4:2272:12906:19272_2:N:0:TCTGCAAG+GCTGCACT
CGACCTTCTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATA
ATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTA
+
FFFFFFFFF:FF
FF,
@A00721:190:HGJW7DSXY:4:2561:6054:16955_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGTTTTCTTCTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCC
GTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACT
+
FF:F
FF:
@A00721:190:HGJW7DSXY:4:2168:28601:26537_2:N:0:TCTGCAAG+GCTGCACT
TCTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAG

+

@A00721:190:HGJW7DSXY:4:2435:1271:2190_2:N:0:TCTGCAAG+GCTGCACT
CGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATA
ATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTA

+

@A00721:190:HGJW7DSXY:4:2561:6117:17159_2:N:0:TCTGCAAG+GCTGCACT
AGCGAGTTTTCTTCCTGAACGTAATACACGAAGAGATCATCCGAAACGACTCGAAACCGAGACGCC
GTAGATCAAAGTCCCTTCTAAGTTTAGATTATGAATCCTGCCTTTACT

+

@A00721:190:HGJW7DSXY:4:2345:10059:33317_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAG
AACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGAT

+

@A00721:190:HGJW7DSXY:4:2547:13783:5885_2:N:0:TCTGCAAG+GCTGCACT
CGACCTTCTTGTGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATA
ATTTCAACTCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTA

+

@A00721:190:HGJW7DSXY:4:1520:7175:7780_1:N:0:TCTGCAAG+GCTGCACT
TTCTGAGGTGTGCTCTTCCTTTATTACACCAAGATATCATCCCCACAGACTCGAAACCGAGACGCCG
TAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTC

+

@A00721:190:HGJW7DSXY:4:2452:23104:18427_2:N:0:TCTGCAAG+GCTGCACT
TCTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAG
AACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGAT

+

@A00721:190:HGJW7DSXY:4:1102:7229:25066_1:N:0:TCTGCAAG+GCTGCACT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAA
CTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGA
GAA

+

```
FFF
@A00721:190:HGJW7DSXY:4:1208:16080:21480_1:N:0:TCTGCAAG+GCTGCACT
GCTCTTCCTATCTCCTTAACGAAATACACGAAGATATCACCCGAAACGACTCGAAACCGAGACGCCG
```

T

[illegible]

@A00721:190:HGJW7DSXY:4:2407:12102:7106_2:N:0:TCTGCAAG+GCTGCACT
GAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTA
GATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1460:7826:2988_2:N:0:TCTGCAAG+GCTGCACT
CTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGA
ACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1333:11080:11036_1:N:0:TCTGCAAG+GCTGCACT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAA
CTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGA
GAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2407:14724:9580_2:N:0:TCTGCAAG+GCTGCACT
GAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTA
GATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1517:25943:17738_2:N:0:TCTGCAAG+GCTGCACT
CTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGA
ACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATT

+

FF
FF

@A00721:190:HGJW7DSXY:4:1429:32940:21120_1:N:0:TCTGCAAG+GCTGCACT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAA
CTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGA
GAA

+

:FFFFFFFF:FFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFF:F:FF:FFFFFFFF:FFFFF,FFF
FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2463:22092:24659_2:N:0:TCTGCAAG+GCTGCACT
GAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTA
GATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCAT

+

FF
FF

@A00721:190:HGJW7DSXY:4:2459:9995:30608_2:N:0:TCTGCAAG+GCTGCACT
CTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGA
ACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATT

+

FF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF:FFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1470:22788:3818_1:N:0:TCTGCAAG+GCTGCACT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAA

CTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGA
GAA

+

FF
FFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2523:25201:17425_2:N:0:TCTGCAAG+GCTGCACT
GAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTA
GATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCAT

+

FF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFF:

@A00721:190:HGJW7DSXY:4:1146:26323:30859_1:N:0:TCTGCAAG+GCTGCACT
CTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGA
ACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAA
TAA

+

FFFFFFFF:FFFFFF:FFFF:FFFFFFFFFF::FF:FF:FFFF,FFFF:F:FFF,FFFFFFFFFFFF
FFFFFFFFF:FFF:FFFFFFFFFF::FF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1477:11505:18380_1:N:0:TCTGCAAG+GCTGCACT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAA
CTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGA
GAA

+

:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2614:16577:2988_2:N:0:TCTGCAAG+GCTGCACT
GAGTTTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTA
GATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCAT

+

,FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FF:FF::FF:FFFFFFFFFFFFFFFF,FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:,FFFFFF:FF:FFF:FFFF,FFFFFF

@A00721:190:HGJW7DSXY:4:1248:15483:30906_1:N:0:TCTGCAAG+GCTGCACT
CTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGA
ACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAA
TAA

+

FF:FFFFFFFFF,FFFFFFFFFFFF
F,FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFF::F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1609:6361:10661_1:N:0:TCTGCAAG+GCTGCACT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAA
CTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGA
GAA

+

:FFFFFFFFFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2317:3794:20650_1:N:0:TCTGCAAG+GCTGCACT
TGTTTTCCGTCCTTAACCTAATACACTACGATATCACCCGCAAACGACTCGAAACCGAGACGCCGTAG
ATCAAAGTCCCTTCTAACTTTAGATT

+

F,FFF,F,:,:,FF,:F:,FF:F,:,,,F,:,:,FF,,, :FFFFFFFFFFFFFF:FFFFFFFFF
FFFFFFFF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1377:22426:1438_1:N:0:TCTGCAAG+GCTGCACT
CTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGA
ACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAA
TAA

+
FFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF: :FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2572:1542:23015_1:N:0:TCTGCAAG+GCTGCACT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAA
CTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGA
GAA

+
FFFFFFFFFFFFFFFFFFFFFF:FFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2307:25789:28463_1:N:0:TCTGCAAG+GCTGCACT
TTTTTACCTTCATTAATACTAAATACACTAAGATACAACCCCCAAACGACTCGAAACCGAGACGCCGTAG
ATCAAAGTCCCTTCTAACTTTAGATT

+
FFFFF,:,:,,:F,:,:,FF,F,:,:,,:,,,F,,,F,,, :FFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1548:26422:5509_1:N:0:TCTGCAAG+GCTGCACT
CTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGA
ACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAA
TAA

+
FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF, :FFF,FFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2674:28384:28103_1:N:0:TCTGCAAG+GCTGCACT
CTTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAA
CTCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAACAAGGTAGGAAGGGGA
GAA

+
FF:FFFF
FF,FFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2510:2474:23156_1:N:0:TCTGCAAG+GCTGCACT
TTTTTTCCGTCTTCAAGTTAATCCACTAATAGAACACCCCCACACGACTCGAAACCGAGACGCCGTAG
ATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTA

+
:,FFF,F,:F,,,,,:F,:,:,,:F,:,:,FF,: :FFFFFFFFF:FFFFFFFFFFFFFFFFF
FFFF:FF

@A00721:190:HGJW7DSXY:4:1565:6054:28322_1:N:0:TCTGCAAG+GCTGCACT
CTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGA
ACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAA
TAA

+
FFF:F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FF:FFFFFFFFFFFFFFFFF:FFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1466:3432:6308_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGTGGACGTTGAATGTGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AA

+
FF,FF:FFFFFFF,FFFFFFF,FFFFFFFFF:F:F,:F:FFF,,FF:,FF,,F,F,,FFFFFFF:FFF
F:F:F,,FF,FFFFF,F,FFFF,:FF,FF,FFFFFFFF:FF:FFFF,,FFF:F:,FF:FFFFFF:FFF
F:

@A00721:190:HGJW7DSXY:4:1328:28845:26866_1:N:0:TCTGCAAG+GCTGCACT
TTTTCCGTCCTCACCTTAATACACTACGATACAATCCCCAAACGACTCGAAACCGAGACGCCGTAGAT
CAAAGTCCCTTCTAACTTTAGA

+
FF:,,,,,F,,,:,,FFF,:,,:,,,,,,F,,,:F:,,,:FF:F:FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1567:12635:21465_1:N:0:TCTGCAAG+GCTGCACT
CTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGA
ACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAA
TAA

+
FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF,FF,FFFF:FFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:1564:3577:9659_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AA

+
FFFFFFFFF,FFFFFFFFF,FFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFF:FFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2644:22363:9251_1:N:0:TCTGCAAG+GCTGCACT
TTTTCCGTCCTTAACCTAATCCACGAAGATATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGAT
CAAAGTCCCTTCTAACTTTAGA

+
FFFFF,,,:,:,:F,,:FF,,,:,:F,,,,F,,,,F:,,,,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1631:23402:1219_1:N:0:TCTGCAAG+GCTGCACT
CTTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGA
ACTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAA
TAA

+
FFF:FFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFF,FFFF:FFFFFFFFFFFF,F
FFFFFFFFF.:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1158:21025:23156_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AAA

+
FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1212:30635:35352_1:N:0:TCTGCAAG+GCTGCACT
TTTTTCTCCTTAACCTAATACACGAATATAACATCCGCAAACGACTCGAAACCGAGACGCCGTAGAT

CAAAGTCCCTTCTAACTTTAGAT

+

FFFF,,,,,,,,,F,,,F:,F:,,,,,,,,,F,,,FF,,F,:FF:F:FFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2305:30888:28714_1:N:0:TCTGCAAG+GCTGCACT
CTTTCTCAGAATATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTATTACTTTTACCGTTAGA
ACTGAAAAAGATTCTTTTCGAAAATAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAA
TAA

+

:FFFFFF,,F,:FF:FF::FFFFFF:FFF:FF:FFF:FFFFFF,FFF,:FFFF,FFFFFFFFFFFF:F
FFF:FFFFFF:FF:FFFFFFFFFF,FFFF:FF:FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:
FFF

@A00721:190:HGJW7DSXY:4:1303:23665:9627_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AAA

+

FFFFFFFF:FFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1320:26666:20494_1:N:0:TCTGCAAG+GCTGCACT
TTTTCCGTCTTAACCTTAATACACTAAGAGATCACCCGCACACGACTCGAAACCGAGACGCCGTAGAT
CAAAGTCCCTTCTAACTTTAGAT

+

FFF,F:,,F,F:,,,FF,F:,,,F,:F,F,:F,FF,,F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1172:1407:35086_2:N:0:TCTGCAAG+GCTGCACT
TTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAA
CTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTC

+

FFFFFFFFFFFF:FF:FF
FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1325:12970:20259_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AAA

+

FF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2330:2998:25880_1:N:0:TCTGCAAG+GCTGCACT
TTTTCCGCCCTCAACGTAATACACGATGAGATCAACCGCAAACGACTCGAAACCGAGACGCCGTAGAT
CAAAGTCCCTTCTAACTTTAGAT

+

FFF,F,,,::,,F,,,F:,F:,F,,,F,,,:::F,FF,::,,FFFFFFFF:FFFFFFFFFFFF,FFFF
FFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1218:22417:2769_2:N:0:TCTGCAAG+GCTGCACT
TTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAA
CTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTC

+

FF:FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1329:4589:36526_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC

@A00721:190:HGJW7DSXY:4:1503:13946:29277_1:N:0:TCTGCAAG+GCTGCACT
TTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTTATTTACTTTTACCGTTAGAA
CTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAAT
AA

+

FFFFF::FFF,FF:FF,F,FFFFFF,FF,FF,:::F:,F:,F:FF,FFFF,,F:FFFF:FFFF,FF
:F,FFFF,,,FF,FFFF,FFFFF,:F::,F,F:::FFF:FFFFFFFFF:FFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1453:19262:35978_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AAA

+

FFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFFF::FF:FFFFFFFFFFFFFFFF:FFFF,FFFFFFFF
FFFFFFFF:FFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2205:16604:2942_1:N:0:TCTGCAAG+GCTGCACT
TTTACCGTCCTTAACCTAATACACCAAGATATCACCCCAACACGACTCGAAACCGAGACGCCGTAGAT
CAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTA

+

FF,,F:,F:,F,,,F:,,,F,F,,:,,,F,,FF,,,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2364:19081:34569_1:N:0:TCTGCAAG+GCTGCACT
TTTCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAA
CTGAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAAT
AA

+

FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFF
FF:FFFFFFFFFFFFFFFF:FF
FF

@A00721:190:HGJW7DSXY:4:1610:28872:16611_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AAA

+

FFFFFFFFF:FFFFFF:FF:FFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2135:20546:10833_1:N:0:TCTGCAAG+GCTGCACT
TTTTCCGTCACTTAACCTAATACACTAAGATATCATCCGCACACGACTCGAAACCGAGACGCCGTAGAT
CAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTA

+

FFF:::,F:,F,,:FF,,,,,:::,F:,F,FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1211:8874:19241_1:N:0:TCTGCAAG+GCTGCACT
TCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACT
GAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAA
AAA

+

F:FFF:FFFF:FFFF,FFFF:FF,F,FFF:FFF:F,FFF:FFFFFFFFFFFFFFFF,FFFFFF:F
,FFFF::FFFFFFFFFFFFFFFFF:F,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1616:27805:18991_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC

TCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AAA

+

:FFFFFFF:::F,FF:FFFFF,FFFFFFFFFFFFFFFF:FFFFFFF::FFFFFFFFFFFFFFFF:FFFFFFF
FFFFFFFF:FF:FFFFFFF,FFFFFFFFFFFF:FF:
FFF

@A00721:190:HGJW7DSXY:4:2260:9399:29136_1:N:0:TCTGCAAG+GCTGCACT
TTTTCGGTCCTGAACCTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGAT
CAAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTATAGCAGTTATTTA

+

FFF,::,::,::F:::F:,FFFF,F,::,F:,F:FF,FF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:1227:24921:26303_1:N:0:TCTGCAAG+GCTGCACT
TCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACT
GAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAA
AAA

+

FFFFF:FF:FFFF:FFFFFFFFFFFF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
,FFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2158:15103:2691_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AAA

+

FF:FFFFFFFFFFFFFFFFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2570:8305:16407_2:N:0:TCTGCAAG+GCTGCACT
TTTCCGTCCTGAACGTAATACACGAAGAGATCATCCGCAAACGACTCGAAACCGAGACGCCGTAGATC
AAAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTCATTTTA

+

FFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFF,FFFFFFF

@A00721:190:HGJW7DSXY:4:2242:30138:16297_1:N:0:TCTGCAAG+GCTGCACT
TCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACT
GAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAA
AAA

+

FFFFF,FF,FFF:,FFFF:FFFFFFFF:FFFFFFFFFFFFF:FFFFF:FFFFFFF:FFFFFFF:FFFF
FFFFFFFFFFFFF:F:FFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2202:18078:10347_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AAA

+

FFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFF:FFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2525:11207:24064_1:N:0:TCTGCAAG+GCTGCACT
GTTTGCTCTTCTATCTTACACTAATATATAATCCTCAAACGACTCGAAACCGAGACGCCGTAGATCA
AAGTCCCTTCTAACTTTAGATTATGAATCCTGCCTTTACTC

+

:F,F,,F,:,F,,,,:F::,,,,F,,,,F,,:,F,,,F,FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF

@A00721:190:HGJW7DSXY:4:2308:14353:21339_1:N:0:TCTGCAAG+GCTGCACT
TCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACT
GAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAA
AAA

+
FFF:F,FF:FFFFFFFFFFFFFFFF:F:FFF:FFFFFFFF,FFF::FF,FFFFFFFF,FFFF:FF:FFFF
:FFFF,FFFFFFFFFFFFFFFFFFFFFFFF:F:F:::FFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2232:26738:14544_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAG
AAA

+
FFFF:F:F,F:FFFF:F,F,:,FF:FF,FFFFFF:FFFFFF,FFFFFFFF,FFFFFF:FFFFFF
F:FFFFFF,FFFFFFFF:FFFFF:FFFFFFFFF::FFFFFFFF:FFFF:FFFF:FF:F
,FF

@A00721:190:HGJW7DSXY:4:1567:27163:19789_2:N:0:TCTGCAAG+GCTGCACT
CCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGC
CTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTATAATTTA

+
FFF:FFFFFFFFFFFFFFFF:F:F,FF:F,FFFFFF:FFFF:,FFF:FFFFFFFF:F::FF
F,FFF:,FFF:,F:,F,FFFFFF,FFFFF:FFFF:FFFF,FFF:
@A00721:190:HGJW7DSXY:4:2511:16622:7388_1:N:0:TCTGCAAG+GCTGCACT

TCTCAGAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACT
GAAAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAA
AAA

+
FFFF:FF,:FFF:F::FFFFFFFF:FFFF:FF,F,FFFFFF,FFFFFF,F:FFFF,FF:F
FFFF:F,FFFFFFFFFFF:FFF:FFFFFFFFFFF:FFFFFFFFF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2249:1895:16391_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAATAAAGGTAGGAAGGGGAG
AAA

+
FFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1673:15022:4460_2:N:0:TCTGCAAG+GCTGCACT
CCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGC
CTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTATAATTTA

+
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF:FFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1122:26539:8876_2:N:0:TCTGCAAG+GCTGCACT
TCATAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGA
AAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCG

+
FF
FF,
@A00721:190:HGJW7DSXY:4:2304:24867:18818_1:N:0:TCTGCAAG+GCTGCACT

TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC

TCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AAA

+

FFFFFF,FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2244:25726:9502_2:N:0:TCTGCAAG+GCTGCACT
CCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGC
CTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTTATAATTTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1130:6253:14700_2:N:0:TCTGCAAG+GCTGCACT
TCATAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGA
AAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCG

+

FFFFFFFFF:FF
FFFF:FFFFFFFFF:FFF

@A00721:190:HGJW7DSXY:4:2357:18846:31814_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAGGGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AAA

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2344:4535:4335_2:N:0:TCTGCAAG+GCTGCACT
CCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGC
CTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTTATAATTTA

+

FF
FF

@A00721:190:HGJW7DSXY:4:1558:27733:22905_2:N:0:TCTGCAAG+GCTGCACT
TCATAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGA
AAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCG

+

FFFFFFFFFFFFFFFFF:FFF,FF
:FF

@A00721:190:HGJW7DSXY:4:2433:13349:25363_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCTGATGAGGACGTTGAAAGGGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AAA

+

FFFFFFFFF:FFFFFF:FFFFFFFFF:FFFFFFFFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
FFF

@A00721:190:HGJW7DSXY:4:2378:4951:36933_2:N:0:TCTGCAAG+GCTGCACT
CCGCAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGC
CTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTTATAATTTA

+

FF
F:FF

@A00721:190:HGJW7DSXY:4:2133:13114:1658_2:N:0:TCTGCAAG+GCTGCACT
TCATAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGA

AAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCG

+

FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:FFFF:FFFFFF:FFFFFFFF:F:FFFFFFFF:
FFFF::F:FFFFFFFFFFFFFFFF:FFFFFFFFF:FFF:FFFFFF:F

@A00721:190:HGJW7DSXY:4:2433:15347:19586_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AAA

+

FFFFFFFFFFFFFFFF:FF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:2407:14724:9580_1:N:0:TCTGCAAG+GCTGCACT
CCCCACAGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGC
CTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTT

+

FF,,F,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFF:FF

@A00721:190:HGJW7DSXY:4:2409:18412:21887_2:N:0:TCTGCAAG+GCTGCACT
TCATAAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGA
AAAAGATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCG

+

FFFFFFF,:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFF:,,,:FFF
FFFFFFFFFFFFFFFFFFFF:FF::F:FFFFFFFFF,F:FFFFFFF

@A00721:190:HGJW7DSXY:4:2544:6379:23750_1:N:0:TCTGCAAG+GCTGCACT
TTGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAAC
TCTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAG
AAA

+

FF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FF
FFF

@A00721:190:HGJW7DSXY:4:1329:14516:8656_1:N:0:TCTGCAAG+GCTGCACT
CCGAAAACGACTCGAAACCGAGACGCCGTAGATCAAAGTCCCTTCTAACTTTAGATTATGAATCCTGC
CTTTACTCATTTTATAGCAGTTATTTATGTTGTACTTTTTATAATTTATAACCTTCTT

+

F:::,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFF
:FF

@A00721:190:HGJW7DSXY:4:2451:23945:21919_2:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAA
GATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTA

+

FF:FFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFF

@A00721:190:HGJW7DSXY:4:1453:19262:35978_2:N:0:TCTGCAAG+GCTGCACT
TGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACT
CTGAGACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGA

+

FF:FFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFFFFF,FFFFFFFF

@A00721:190:HGJW7DSXY:4:2456:24704:15154_2:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAA
GATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTA

+

FF
FF
@A00721:190:HGJW7DSXY:4:2202:18078:10347_2:N:0:TCTGCAAG+GCTGCACT
TGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACT
CTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGA

+
FF
FF
@A00721:190:HGJW7DSXY:4:2551:5104:36949_2:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAA
GATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTA

+
FFFF:FF
FF
@A00721:190:HGJW7DSXY:4:2232:26738:14544_2:N:0:TCTGCAAG+GCTGCACT
TGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACT
CTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGA

+
FF
FF
@A00721:190:HGJW7DSXY:4:1256:2374:3223_1:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAA
GATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATAC
TTC

+
FFFFFFFFF:FFF:FFFFF:FFFFFFFFFFFFFFFF
FF:FFFFF:FFFFFFFFFFFFFFFF
FFF
@A00721:190:HGJW7DSXY:4:2249:1895:16391_2:N:0:TCTGCAAG+GCTGCACT
TGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACT
CTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGA

+
FF:FFFFFFFFFFFFFFFFF:FFF
FFFFFFFFFFFF:FFF
@A00721:190:HGJW7DSXY:4:1310:3848:16266_1:N:0:TCTGCAAG+GCTGCACT
AAGATTAGATAAGTAACCGTTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAA
GATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATAC
TTC

+
F::FFFF::,FFFFFFFFF,:,FF::F:FF:FFFF:FF,,FFFF:FFFF:F,:FFFFFF:FFFFFFF
,FFF:FFFFFFFFFFFFFFFFF,F:FFF,FFF
FFF
@A00721:190:HGJW7DSXY:4:1158:21603:22936_1:N:0:TCTGCAAG+GCTGCACT
TGTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACT
CTGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGA
AA

+
FF
FFFFFFFFFFFF:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FF
@A00721:190:HGJW7DSXY:4:1361:25373:26052_1:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAA
GATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATAC
TTC

@A00721:190:HGJW7DSXY:4:2307:31521:1689_1:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAA
GATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATAC
TTC

+

FF::FFFFF,FF::FFF::FF,F,,FFF:,FFFF,,:FF:FFFF:FFF:FFF,:FF,FFFF,FFFF
FFFFFFFF:FFFFFF:FFFF:FFFF,FFF,FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2158:15103:2691_2:N:0:TCTGCAAG+GCTGCACT
GTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTC
TGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAA

+

FFF
FF,FFFFFF:FFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2361:18240:4523_1:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAA
GATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATAC
TTC

+

FFF:FFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2357:18846:31814_2:N:0:TCTGCAAG+GCTGCACT
GTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTC
TGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAA

+

FFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF:FFFF:FFFFFFFF:FFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F:FFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2516:31213:8077_1:N:0:TCTGCAAG+GCTGCACT
AAGATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAA
GATTCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATAC
TTC

+

FF,FFFFFFFF,FFFFFF:FFFFFFFFFFFF::FFFFFFFF:FFFF:FFFF:FFFFFFFF
FFFFFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2433:13349:25363_2:N:0:TCTGCAAG+GCTGCACT
GTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTC
TGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAA

+

FFFFFFFFFFFFFFFF:FF,FFFFFFFFF
FFFFFFFFF:FFFFFFFFF:FFFFFFFFF:FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2331:9019:21339_2:N:0:TCTGCAAG+GCTGCACT
ATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGAT
TCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATAT

+

F:FFFF:FFFFF:,F:FFFF:, :FFFF:FFF,F,F:FFF:FFFFFFFFFFFFFFFF:FFFF:FF
FFFFFFFFFFFFFFFF:FFF,FF:F:,FFFF:FFFFFFFFFFFFFFFF:

@A00721:190:HGJW7DSXY:4:2544:6379:23750_2:N:0:TCTGCAAG+GCTGCACT
GTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTC
TGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAA

+

FFF
FF

@A00721:190:HGJW7DSXY:4:2373:26060:26428_2:N:0:TCTGCAAG+GCTGCACT
ATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGAT
TCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATAT

+

FFFFFFF,FFFFFFF:FFFFFFF:FFFF,FF,FFFFFFFFFFFFFFF:FFFFF:FFFFFFFFFFFFFFF:FF
FFFFFFFFFFFFFFF:F:FFFFFFFFF,FFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:1105:3586:36761_1:N:0:TCTGCAAG+GCTGCACT
GTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTC
TGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAA
AAC

+

:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFF
FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFFFFFFFFFFFFF:FFFF
FFF

@A00721:190:HGJW7DSXY:4:2602:13322:13197_2:N:0:TCTGCAAG+GCTGCACT
ATTAGAGAAGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGAT
TCTTTTCGAAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATAT

+

FFFFFFFFF:FFFFF,,F,FFFFF,FF::FF,FFFF::FFFFFF:FFFFF,FFFFFFFF,FFFFFFFF
::FF

@A00721:190:HGJW7DSXY:4:1146:22064:26396_1:N:0:TCTGCAAG+GCTGCACT
GTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTC
TGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAA
AAC

+

FFFFFFFFFFFFFFFFF:FF
FF
FFF

@A00721:190:HGJW7DSXY:4:2343:30228:17206_2:N:0:TCTGCAAG+GCTGCACT
AGTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCG
AAAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAA

+

FF
FF:FFF

@A00721:190:HGJW7DSXY:4:1465:15429:27837_1:N:0:TCTGCAAG+GCTGCACT
GTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTC
TGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAA
AAC

+

FF
FF
FFF

@A00721:190:HGJW7DSXY:4:1619:2781:13416_1:N:0:TCTGCAAG+GCTGCACT
GTAACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGA
AAAGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTG
AAC

+

FF
:FF:FFFFF
FFF

@A00721:190:HGJW7DSXY:4:2256:24243:22905_1:N:0:TCTGCAAG+GCTGCACT
GTGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTC
TGAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAA
AAC

@A00721:190:HGJW7DSXY:4:2328:25907:15546_1:N:0:TCTGCAAG+GCTGCACT
TGTGGACTGAGAAGTCTGAATTTTCAGGTTGCCCTGATGAGGAAGTTGAATGGGTAAATTTCAACTCT
GAGACTTATAAGAGTGTTTCAAAGACCATAAACGTAAATAGAAGAATAAAGGTAGGAAGGTGAGAAA
ACA

+

F:,FF,,:FFFF,:F:FF::FF:F:,F,FF:,,:FFFF:FFF:,,:FF:F,,F:,,,F:F:F::F,,F
FFFFFFFF,F:,,:FFF:FFF:F,:FFF::F,FF,:FFFF,,FFFFFFFF,:FF:FFF:F:,F:::F,F,FF
F::

@A00721:190:HGJW7DSXY:4:2320:4056:14309_2:N:0:TCTGCAAG+GCTGCACT
AACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA
AGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAA

+

F,F,F:FFFFFFFFF,FFFF:FFFFFFFFFFFFFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF,:FFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFF

@A00721:190:HGJW7DSXY:4:2573:28980:14387_1:N:0:TCTGCAAG+GCTGCACT
TGGGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCT
GAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAA
ACA

+

FFFFFFFFFFFFFFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2352:23511:20979_2:N:0:TCTGCAAG+GCTGCACT
AACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA
AGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAA

+

FFFFFFFFFFFFFFFFFFFFF:FFF
FFFF:F:FFF

@A00721:190:HGJW7DSXY:4:2465:28818:34460_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCT
GAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAA
ACA

+

F:,FFFFFFFF:FFFFFF:FFFF:FFFFFFFF:F:FFFF:FFFF:FFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFF:F::FFF
FFF

@A00721:190:HGJW7DSXY:4:2467:4815:8797_2:N:0:TCTGCAAG+GCTGCACT
AACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA
AGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAA

+

FFFFFFFFFFFFFFFFFFFFF:FFF
FF:FFFFF,FFFFFFFFF

@A00721:190:HGJW7DSXY:4:2662:3106:1423_1:N:0:TCTGCAAG+GCTGCACT
TCCGATCTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCT
GAGACTTCTAAGAGTGTTTCAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAA
ACA

+

FF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:1144:14931:20306_1:N:0:TCTGCAAG+GCTGCACT
AACCGGTGAACACGTCGTTAGCATTGATTTACTTTTACCGTTAGAAATGAAAAAGATTCTTTTCGAAA
ATAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAATACTTCAAGTACCTGAA
CTT

+
F,::F:F,,,F,:F::F,FF,FFFFFFFFF,FFFFFF,FFFFF:FF,F:FFFFF:FFFFFFFFFFFFFFF
:, :FFFFFF,FFFFFF,F:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFF:FFF:F::FF:FFFF:
FFF

@A00721:190:HGJW7DSXY:4:1421:13132:2910_1:N:0:TCTGCAAG+GCTGCACT
GGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGA
GACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAAC
AGA

+
F::F,FFFFF,FFFF:F,FFFFF,FFFFF,,,FF:FFFFFFFFF::F:FFF:FFFFFFFF:FFFF:,
F::FFFFF,: :FFFFFFFFF,FFFFFFFF:F,FFFFFFFF:FF:FFF::FFFFFF::FFFF:FFF::
FFF

@A00721:190:HGJW7DSXY:4:1638:29143:32863_1:N:0:TCTGCAAG+GCTGCACT
AACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA
AGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAACTTCAAGTACCTGAA
CTT

+
FFF
FFF
F:F

@A00721:190:HGJW7DSXY:4:1454:27941:12931_1:N:0:TCTGCAAG+GCTGCACT
GGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGA
GACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAAC
AGA

+
:FFFFFFFF:FFFFFF,FFFF:FFF
FFFFFFFF:FF:FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2134:26693:12649_1:N:0:TCTGCAAG+GCTGCACT
AACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA
AGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAACTTCAAGTACCTGAA
CTT

+
FFFF:FF:FFF,FFF:,FFFFFFFF,FFFFFFFF:F:FF:FFFF:FF,FFFFFFFF::FFFFFFFF:
FFFFFFFF:FFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:1648:18258:31923_1:N:0:TCTGCAAG+GCTGCACT
GGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGA
GACTTCTAAGAGTGTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAAC
AGA

+
FFFFFFFFF:FFF
FFF
FFF

@A00721:190:HGJW7DSXY:4:2162:29460:34006_1:N:0:TCTGCAAG+GCTGCACT
AACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA
AGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAGAAATAAAAAACTTCAAGTACCTGAA
CTT

+
FFF:FFFFFFFFF,FFFFFFFFFFFFFFFFF:FF:FFFFFFFFFFFFFFFFFFFFFFFF,FFFFFFFF
FFFFFFFFF:FFFFF,FF:FFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2637:14253:20979_1:N:0:TCTGCAAG+GCTGCACT
GGGACTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGA

GACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAAC
AGA

+

:FFF,FFFF,FF:F:F,FFFF:FFFFF:FFFFFFFFF,,FFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFF,FFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2339:10556:8688_1:N:0:TCTGCAAG+GCTGCACT
AACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA
AGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAA
CTT

+

FFFFF:F:FFFFFFFF,FFFFFFFFF:FFF,FF:FFFF::FFFFFFFF:FFFFFFFFFFFFFFFFF
FFFFFFFFFFFFF:FFFF:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2614:13223:14152_1:N:0:TCTGCAAG+GCTGCACT
TCTCTGAGACCTCTGAATTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAG
ACTTCTAAGAGTGTTTCAAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAAACA
GAA

+

:FFFFFF:FF,FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFF:FF,FFFF,FFFFFFFFFFFFFFFFF
FFFF:F:FFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2622:4345:12994_1:N:0:TCTGCAAG+GCTGCACT
AACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA
AGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAA
CTT

+

FFFFFFFFFFFFFFFFF:FFF::FFF:FFFF,FFFFF:F::FF:FF:F:FFFF:::FF::FFFF,FFF
F:FFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF:F::FFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:2662:3106:1423_2:N:0:TCTGCAAG+GCTGCACT
TTTTCAGGGTGCCCTGATGAGGACGTTGAAAGGGATAATTTCAACTCTGAGACTTCTAAGAGTGTTTC
AAAAGACCAGAAACGTAACAAGAAGAATAAAGGTAGGAAGGGGAGAAA

+

FFFFFFFFFFFFFFFFF:FFF
FFF

@A00721:190:HGJW7DSXY:4:2652:19605:16626_1:N:0:TCTGCAAG+GCTGCACT
AACCTGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA
AGAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAA
CTT

+

FFFF,FF,FFFF:FF:,FFF,F:FF,,FFF:FFFFFFFFF:FFFF:FFFF,,FFF,FFFFFF::F
FFFF::,F:F,,:FFFFFFFFF,FF,FF:FF:FFF:,FFF:FFFF:FFFFFFFF,:F,F,FF::
FFF

@A00721:190:HGJW7DSXY:4:1563:22218:13416_1:N:0:TCTGCAAG+GCTGCACT
ACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA
GAAACCTATAAGTTACAAACGATTCTTCGACTATATTAAAGAAATAAAAATACTTCAAGTACCTGAAC
TTT

+

FF:FFFFFFFFFFFFFFFFF:FFFFFFFFF:FFFFFF:FFFFFFFFFFFFFFFFF,FFFFFFF
FFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF:FFFFFFFFFFFFFFFFFFFFFFFFF
FFF

@A00721:190:HGJW7DSXY:4:1642:4869:31125_1:N:0:TCTGCAAG+GCTGCACT
ACCGGTGAACACGTCGGTAGCATTGATTTACTTTTACCGTTAGAACTGAAAAAGATTCTTTTCGAAA

+

@

+

@

+

@

+

@

+

@

+

[illegible]