

GPR126 6th intron Synthetic DNA construct wild type DNA clone

ATCACCAGGGACCCAAAACCCTGAGAAAAGAAACCCACATAGTTCATTTTTCTTGGCTTCAGAGGTTACATCAATT
 TCCTCTGTAGGACATTTAAATTGGAACATATGGAATATTTTACATGAAACATAGATATAAAATTCAGTAGGGTTATAA
 AGACATCGATTACAGATAGTGTATGTTATGTTATCTGATAGTTACACCAAGGAGATTTATGATGGAGCAAAAATTCAG
 CAACCCCCAAGAAAGCAACAGCAGCTGAAATTTCCAGTGCATATTTACATGGACTCTAGCCAGTAGATGGGAATAT
 TATAATTCTAACTAAGTATTTCACTCTTTGTATGAACATACAAAGAGCCTCTGTGGTATTCTCCCTCCAGGATTGAC
 ACATCCTCTACTGTCCAAGAACATTTATACGGTGCTTCAGAGTCCTTGACTTGGTGGAGTGGAGCTGTATTCACCTCA
 ATCATGTCATTTCTGACATTCTTGAAGAAAGCCTTGTTTAGGCCATCTCTCTCTGCGTCATAACCTTCATTGGAGTT
 TTAACAAAGCAAGCAAATGTTAGAATCAGTTAAAAATGGTCTGTCTTGACCACATTAATGAAAAAATCTAATTCAGA
 TAATTCTTAATCAAAATGTCATCAGCGTTTAAAAATATTCAGGTCATTATATGACAGAAATATTCTCAAAATTGTGT
 TCTCAAATTTGTGTACCATCTTAACAATTGTTATTTTTACCATGTCTCTGAACCACCTATAC

M13dir primer (direct strand):

FILE NAME	58	67	77	87	97	107
117						

5D.SEQ

GCGGAGACATTATCACCAGGGACCCAAAACCCTGAGAAAAGAAACCCACATAGTTCATTT

|||||

INI.SEQ

.....ATCACCAGGGACCCAAAACCCTGAGAAAAGAAACCCACATAGTTCATTT	
	-10 -1 9 19 29 39
49	

FILE NAME	118	127	137	147	157	167
177						

5D.SEQ

TTTCTTGGCTTCAGAGGTTACATCAATTTCTCTGTAGGACATTTAAATTGGAACATATGG

|||||

INI.SEQ

TTTCTTGGCTTCAGAGGTTACATCAATTTCTCTGTAGGACATTTAAATTGGAACATATGG	
	50 59 69 79 89 99
109	

FILE NAME	178	187	197	207	217	227
237						

5D.SEQ

AATATTTTACATGAAACATAGATATAAAATTTTCAGTAGGGTTATAAAGACATCGATTTCAGA

|||||

INI.SEQ

AATATTTTACATGAAACATAGATATAAAATTTTCAGTAGGGTTATAAAGACATCGATTTCAGA	
	110 119 129 139 149 159
169	

FILE NAME	238	247	257	267	277	287
297						

5D.SEQ

TAGTGTTTATGGTTATTCTGATAGTTACACCAAGGAGATTTATGATGGAGCAAAAATTCC

|||||

INI.SEQ

TAGTGTTTATGGTTATTCTGATAGTTACACCAAGGAGATTTATGATGGAGCAAAAATTCC	
	170 179 189 199 209 219
229	

FILE NAME	298	307	317	327	337	347
357						

5D.SEQ

AGCAACCCCCAAGAAAGCAACAGCAGCTGAAATTTCCAGTGCATATTTACATGGACTCT

|||||

INI.SEQ						
AGCAACCCCCAAGAAAGCAACAGCAGCTGAAATTTCCAGTGCATATTTACATGGACTCT	230	239	249	259	269	279
289						
FILE NAME						
417	358	367	377	387	397	407
5D.SEQ						
AGCCAGTAGATGGGAATATTATAATTCTAACTAAGTATTTCACTCTTTGTATGAACATAC						
INI.SEQ						
AGCCAGTAGATGGGAATATTATAATTCTAACTAAGTATTTCACTCTTTGTATGAACATAC	290	299	309	319	329	339
349						
FILE NAME						
477	418	427	437	447	457	467
5D.SEQ						
AAAGAGCCTCTGTGGTATTCTCCCTCCAGGATTGACACATCCTCTACTGTCCAAGAACAT						
INI.SEQ						
AAAGAGCCTCTGTGGTATTCTCCCTCCAGGATTGACACATCCTCTACTGTCCAAGAACAT	350	359	369	379	389	399
409						
FILE NAME						
537	478	487	497	507	517	527
5D.SEQ						
TTATACGGTGCTTCAGAGTCCTTGACTTGGTGGAGTGGAGCTGTATTCACTCAATCATGT						
INI.SEQ						
TTATACGGTGCTTCAGAGTCCTTGACTTGGTGGAGTGGAGCTGTATTCACTCAATCATGT	410	419	429	439	449	459
469						
FILE NAME						
597	538	547	557	567	577	587
5D.SEQ						
CATTTCTGACATTCTTGAAGAAAGCCTTGTTTAGGCCATCTCTCTCTGCGTCATAACCTT						
INI.SEQ						
CATTTCTGACATTCTTGAAGAAAGCCTTGTTTAGGCCATCTCTCTCTGCGTCATAACCTT	470	479	489	499	509	519
529						
FILE NAME						
657	598	607	617	627	637	647
5D.SEQ						
CATTGGAGTTTTTAACAAAGCAAGCAAATGTTAGAATCAGTTAAAATGGTCTGTCTTGACC						
INI.SEQ						
CATTGGAGTTTTTAACAAAGCAAGCAAATGTTAGAATCAGTTAAAATGGTCTGTCTTGACC	530	539	549	559	569	579
589						
FILE NAME						
717	658	667	677	687	697	707
5D.SEQ						
ACATTAATGAAAAAATCTAATTCAGATAATTCTTAATCAAAATGTCATCAGCGTTTTAA						

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|||||
INI.SEQ
ACATTAATGAAAAAATCTAATTCAGATAATTCTTAATCAAAATGTCATCAGCGTTTAAA
590      599      609      619      629      639
649
===
M13rev primer (complement):
FILE NAME      820      829      839      849      859      869
879
5R.SEQ
GCAAATGTTAGAATCAGTTAAATGGTCTGTCTTGACCACATTAATGAAAAAATCTAAT

|||||
INI.SEQ
GCAAATGTTAGAATCAGTTAAATGGTCTGTCTTGACCACATTAATGAAAAAATCTAAT
552      561      571      581      591      601
611
FILE NAME      880      889      899      909      919      929
939
5R.SEQ
TCAGATAATTCTTAATCAAAATGTCATCAGCGTTTAAAAATATTCAGGTCATTATATGAC

|||||
INI.SEQ
TCAGATAATTCTTAATCAAAATGTCATCAGCGTTTAAAAATATTCAGGTCATTATATGAC
612      621      631      641      651      661
671
FILE NAME      940      949      959      969      979      989
999
5R.SEQ
AGAAATATTCTCAAAATTTGTGTTCTCAAATTTGTGTACCATCTTAACAATTGTTATTTTT

|||||
INI.SEQ
AGAAATATTCTCAAAATTTGTGTTCTCAAATTTGTGTACCATCTTAACAATTGTTATTTTT
672      681      691      701      711      721
731

FILE NAME      1000      1009      1019
5R.SEQ          ACCATGTCTCTGAACCACCTATAC
INI.SEQ          ACCATGTCTCTGAACCACCTATAC
732      741      751

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GPR126 6th intron Synthetic DNA construct "chr. 6: 142,706,206; G/A substitution" clone

ATCACCAGGGACCCAAAACCCCTGAGAAAAGAAACCCACATAGTTCATTTTTCTTGGCTTCAGAGGTTACATCAATT
 TCCTCTGTAGGACATTTAAATTGGAACATATGGAATATTTTACATGAAACATAGATATAAAATTTAGTAGGGTTATAA
 AGACATCGATTTCAGATAGTGTTTATGGTTATTTCTGATAGTTACACCAAGGAGATTTATGATGGAGCAAAAATTCAG
 CAACCCCCAAGAAAGCAACAGCAGCTGAAATTTCCAGTGCATATTTACATGGACTCTAGCCAGTAGATGGGAATAT
 TATAATTCTAACTAAGTATTTCACTCTTTGTATAAACATACAAAGAGCCTCTGTGGTATTCTCCCTCCAGGATTGAC
 ACATCCTCTACTGTCCAAGAACATTTATACGGTGCTTCAGAGTCCTTGACTTGGTGGAGTGGAGCTGTATTCCTCA
 ATCATGTCATTTCTGACATTCTTGAAGAAAAGCCTTGTTTAGGCCATCTCTCTCTGCGTCATAACCTTCATTGGAGTT
 TTAACAAAGCAAGCAAATGTTAGAATCAGTTAAAAATGGTCTGTCTTGACCACATTAATGAAAAAATCTAATTCAGA
 TAATTCTTAATCAAAATGTCATCAGCGTTTAAAAATATTCAGGTCAATTATATGACAGAAATATTCTCAAAATTGTGT
 TCTCAAATTTGTGTACCATCTTAACAATTGTTATTTTTACCATGTCTCTGAACCACCTATAC
 =====

M13dir primer (direct strand):

FILE NAME	74	83	93	103	113	123
133						

G1-2_M~2.SEQ
 GCTCTCCCATATGGTCGACCTGCAGGTCGAATTCAGACATATCACCAGGGACCCAAAACC

INI.SEQ						
.....						
	-39	-30	-20	-10	0	10
20						

FILE NAME	134	143	153	163	173	183
193						

G1-2_M~2.SEQ
 CTGAGAAAAGAAACCCACATAGTTCATTTTTCTTGGCTTCAGAGGTTACATCAATTTCC

INI.SEQ						
CTGAGAAAAGAAACCCACATAGTTCATTTTTCTTGGCTTCAGAGGTTACATCAATTTCC						
	21	30	40	50	60	70
80						

FILE NAME	194	203	213	223	233	243
253						

G1-2_M~2.SEQ
 TCTGTAGGACATTTAAATTGGAACATATGGAATATTTTACATGAAACATAGATATAAAATTT

INI.SEQ						
TCTGTAGGACATTTAAATTGGAACATATGGAATATTTTACATGAAACATAGATATAAAATTT						
	81	90	100	110	120	130
140						

FILE NAME	254	263	273	283	293	303
313						

G1-2_M~2.SEQ
 CAGTAGGGTTATAAAGACATCGATTTCAGATAGTGTTTATGGTTATTCTGATAGTTACACC

INI.SEQ						
CAGTAGGGTTATAAAGACATCGATTTCAGATAGTGTTTATGGTTATTCTGATAGTTACACC						
	141	150	160	170	180	190
200						

FILE NAME	314	323	333	343	353	363
373						

G1-2_M~2.SEQ
 AAGGAGATTTATGATGGAGCAAAAATTCAGCAACCCCCAAGAAAGCAACAGCAGCTGAA

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|||||
INI.SEQ
AAGGAGATTTATGATGGAGCAAAAATTCCAGCAACCCCCAAGAAAGCAACAGCAGCTGAA
201      210      220      230      240      250
260

FILE NAME      374      383      393      403      413      423
433
G1-2_M~2.SEQ
ATTTCCAGTGCATATTTTCACATGGACTCTAGCCAGTAGATGGGAATATTATAATTCTAAC

|||||
INI.SEQ
ATTTCCAGTGCATATTTTCACATGGACTCTAGCCAGTAGATGGGAATATTATAATTCTAAC
261      270      280      290      300      310
320
==
==
M13rev primer (complement):
FILE NAME      618
G1-2_M~1.SEQ    TAAGTA
|||||
INI.SEQ          TAAGTA
326

FILE NAME      619      628      638      648      658      668
678
G1-2_M~1.SEQ
TTTCACTCTTTGTATTAACATACAAAGAGCCTCTGTGGTATTCTCCCTCCAGGATTGACA
|||||
|||||
INI.SEQ
TTTCACTCTTTGTATGAACATACAAAGAGCCTCTGTGGTATTCTCCCTCCAGGATTGACA
327      336      346      356      366      376
386

FILE NAME      679      688      698      708      718      728
738
G1-2_M~1.SEQ
CATCCTCTACTGTCCAAGAACATTTATACGGTGCTTCAGAGTCCTTGACTTGGTGGAGTG

|||||
INI.SEQ
CATCCTCTACTGTCCAAGAACATTTATACGGTGCTTCAGAGTCCTTGACTTGGTGGAGTG
387      396      406      416      426      436
446

FILE NAME      739      748      758      768      778      788
798
G1-2_M~1.SEQ
GAGCTGTATTCACTCAATCATGTCATTTCTGACATTCTTGAAGAAAGCCTTGTTTAGGCC

|||||
INI.SEQ
GAGCTGTATTCACTCAATCATGTCATTTCTGACATTCTTGAAGAAAGCCTTGTTTAGGCC
447      456      466      476      486      496
506

FILE NAME      799      808      818      828      838      848
858
G1-2_M~1.SEQ
ATCTCTCTCTGCGTCATAACCTTCATTGGAGTTTAAACAAAGCAAGCAAATGTTAGAATC

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INI.SEQ						
ATCTCTCTCTGCGTCATAACCTTCATTGGAGTTTTTAACAAAGCAAGCAAATGTTAGAATC	507	516	526	536	546	556
566						
FILE NAME	859	868	878	888	898	908
918						
G1-2_M~1.SEQ						
AGTTAAATGGTCTGTCTTGACCACATTAATGAAAAAATCTAATTCAGATAATTCTTAA						
INI.SEQ						
AGTTAAATGGTCTGTCTTGACCACATTAATGAAAAAATCTAATTCAGATAATTCTTAA	567	576	586	596	606	616
626						
FILE NAME	919	928	938	948	958	968
978						
G1-2_M~1.SEQ						
TCAAAATGTCATCAGCGTTTAAAAATATTCAGGTCATTATATGACAGAAATATTCTCAA						
INI.SEQ						
TCAAAATGTCATCAGCGTTTAAAAATATTCAGGTCATTATATGACAGAAATATTCTCAA	627	636	646	656	666	676
686						
FILE NAME	979	988	998	1008	1018	1028
1038						
G1-2_M~1.SEQ						
ATTGTGTTCTCAAATTTGTGTACCATCTTAACAATTGTTATTTTACCATGTCTCTGAAC						
INI.SEQ						
ATTGTGTTCTCAAATTTGTGTACCATCTTAACAATTGTTATTTTACCATGTCTCTGAAC	687	696	706	716	726	736
746						
FILE NAME	1039	1048				
G1-2_M~1.SEQ	CACCTATAC					
INI.SEQ	CACCTATAC					
	747	756				

GPR126 6th intron Synthetic DNA construct "chr. 6: 142,706,206; G/A substitution + chr. 6: 142,706,209; C/T substitution" clone

ATCACCAGGGACCCAAAACCCCTGAGAAAAGAAACCCACATAGTTCATTTTTTCTTGGCTTCAGAGGTTACATCAATT
 TCCTCTGTAGGACATTTAAATTGGAACATGGAATATTTTACATGAAACATAGATATAAATTTTCAGTAGGGTTATAA
 AGACATCGATTACAGATAGTGTATGTTATGTTATCTGATAGTTACACCAAGGAGATTTATGATGGAGCAAAAATTCAG
 CAACCCCCAAGAAAGCAACAGCAGCTGAAATTTCCAGTGCATATTTTACATGGACTCTAGCCAGTAGATGGGAATAT
 TATAATTCTAACTAAGTATTTTCACTCTTTGTATGAAATATACAAAGAGCCTCTGTGGTATTCTCCCTCCAGGATTGAC
 ACATCCTCTACTGTCCAAGAACATTTATACGGTGCTTCAGAGTCCTTGACTTGGTGGAGTGGAGCTGTATTCACTCA
 ATCATGTCATTTCTGACATTCTTGAAGAAAGCCTTGTTTAGGCCATCTCTCTCTGCGTCATAACCTTCATTGGAGTT
 TTAACAAAGCAAGCAAATGTTAGAATCAGTTAAATGGTCTGTCTTGACCACATTAATGAAAAAATCTAATTCAGA
 TAATTCTTAATCAAAATGTCATCAGCGTTTAAAAATATTTCAGGTCATTATATGACAGAAATATTCTCAAAATTGTGT
 TCTCAAATTTGTGTACCATCTTAACAATTGTTATTTTTTACCATGTCTCTGAACCACCTATAC
 =====

M13dir primer (direct strand):

FILE NAME	19	28	38	48	58	68
G2-8_M~2.SEQ						
TGGGCCCCGACGTCGCATGCTCCCGGCCGCCATGGCGGCCGCGGAGACATATCACCAGGGA						

INI.SEQ						
.....					ATCACCAGGGA	
	-48	-39	-29	-19	-9	1
11						

FILE NAME	79	88	98	108	118	128
G2-8_M~2.SEQ						
CCCAAAACCTGAGAAAAGAAACCCACATAGTTCATTTTTTCTTGGCTTCAGAGGTTACA						

INI.SEQ						
CCCAAAACCTGAGAAAAGAAACCCACATAGTTCATTTTTTCTTGGCTTCAGAGGTTACA						
	12	21	31	41	51	61
71						

FILE NAME	139	148	158	168	178	188
G2-8_M~2.SEQ						
TCAATTTCTCTGTAGGACATTTAAATTGGAACATGGAATATTTTACATGAAACATAGA						

INI.SEQ						
TCAATTTCTCTGTAGGACATTTAAATTGGAACATGGAATATTTTACATGAAACATAGA						
	72	81	91	101	111	121
131						

FILE NAME	199	208	218	228	238	248
G2-8_M~2.SEQ						
TATAAATTTTCAGTAGGGTTATAAAGACATCGATTTCAGATAGTGTATGTTATTCTGAT						

INI.SEQ						
TATAAATTTTCAGTAGGGTTATAAAGACATCGATTTCAGATAGTGTATGTTATTCTGAT						
	132	141	151	161	171	181
191						

FILE NAME	259	268	278	288	298	308
G2-8_M~2.SEQ						
AGTTACACCAAGGAGATTTATGATGGAGCAAAAATTCAGCAACCCCCAAGAAAGCAACA						

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INI.SEQ
AGTTACACCAAGGAGATTTATGATGGAGCAAAAAATTCAGCAACCCCAAGAAAGCAACA
192 201 211 221 231 241
251

FILE NAME 319 328 338 348 358 368
378
G2-8_M~2.SEQ
GCAGCTGAAATTTCCAGTGCATATTTACATGGACTCTAGCCAGTAGATGGGAATATTAT
|||||
INI.SEQ
GCAGCTGAAATTTCCAGTGCATATTTACATGGACTCTAGCCAGTAGATGGGAATATTAT
252 261 271 281 291 301
311

FILE NAME 379 388 398 408 418 428
438
G2-8_M~2.SEQ
AATTCTAACTAAGTATTTCACTCTTTGTATGAAATATACAAAGAGCCTCTGTGGTATTCTC
|||||
INI.SEQ
AATTCTAACTAAGTATTTCACTCTTTGTATGAACATACAAAGAGCCTCTGTGGTATTCTC
312 321 331 341 351 361
371

FILE NAME 439 448 458 468 478 488
498
G2-8_M~2.SEQ
CCTCCAGGATTGACACATCCTCTACTGTCCAAGAACATTTATACGGTGCTTCAGAGTCCT
|||||
INI.SEQ
CCTCCAGGATTGACACATCCTCTACTGTCCAAGAACATTTATACGGTGCTTCAGAGTCCT
372 381 391 401 411 421
431

FILE NAME 499 508 518 528 538 548
558
G2-8_M~2.SEQ
TGA CT TGG TGG AGT GGG AG CT GT AT TCA CT CA AT CAT GT CA TTT CT GA CA TT CT TGA AG AA
|||||
INI.SEQ
TGA CT TGG TGG AGT GGG AG CT GT AT TCA CT CA AT CAT GT CA TTT CT GA CA TT CT TGA AG AA
432 441 451 461 471 481
491

FILE NAME 559 568
G2-8_M~2.SEQ AGCCTTGTTTAGGCCAT
|||||
INI.SEQ AGCCTTGTTTAGGCCAT
492 501
===
M13rev primer (complement):
FILE NAME 758 767 777 787 797 807
817
G2-8_M~1.SEQ
CTCTCTCTGCGTCATAACCTTCATTGGAGTTTTTAACAAAGCAAGCAAATGTTAGAATCAG
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INI.SEQ
CTCTCTCTGCGTCATAACCTTCATTGGAGTTTTTAACAAAGCAAGCAAATGTTAGAATCAG
510      519      529      539      549      559
569

FILE NAME      818      827      837      847      857      867
877
G2-8_M~1.SEQ
TTAAATGGTCTGTCTTGACCACATTAATGAAAAAATCTAATTCAGATAATTCTTAATC

|||||
INI.SEQ
TTAAATGGTCTGTCTTGACCACATTAATGAAAAAATCTAATTCAGATAATTCTTAATC
570      579      589      599      609      619
629

FILE NAME      878      887      897      907      917      927
937
G2-8_M~1.SEQ
AAAATGTCATCAGCGTTTAAAAATATTCAGGTCATTATATGACAGAAATATTCTCAAAA

|||||
INI.SEQ
AAAATGTCATCAGCGTTTAAAAATATTCAGGTCATTATATGACAGAAATATTCTCAAAA
630      639      649      659      669      679
689

FILE NAME      938      947      957      967      977      987
997
G2-8_M~1.SEQ
TTGTGTTCTCAAATTTGTGTACCATCTTAACAATTGTTATTTTACCATGTCTCTGAACCACCTATAC

|||||
INI.SEQ
TTGTGTTCTCAAATTTGTGTACCATCTTAACAATTGTTATTTTACCATGTCTCTGAACCACCTATAC
690      699      709      719      729      739
749

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ATCACCAGGGACCCAAAACCCCTGAGAAAAGAAACCCACATAGTTCATTTTTTCTTGGCTTCAGAGGTTACATCAATT
TCCTCTGTAGGACATTTAAATTGGAACATATGGAATATTTTACATGAAACATAGATATAAATTTTCAGTAGGGTTATAA
AGACATCGATTTCAGATAGTGTTTATGGTTATTCTGATAGTTACACCAAGGAGATTTATGATGGAGCAAAAATTCAG
CAACCCCCAAGAAAGCAACAGCAGCTGAAATTTCCAGTGCATATTTACATGGACTCTAGCCAGTAGATGGGAATAT
TATAATTCTAACTAAGTATTTCACTCTTTGTATAAATACAAAAGAGCCTCTGTGGTATTCTCCCTCCAGGATTGAC
ACATCCTCTACTGTCCAAGAACATTTATACGGTGCCTTCAGAGTCCTTGACTTGGTGGAGTGGAGCTGTATTCACTCA
ATCATGTCATTTCTGACATTTCTTGAAGAAAGCCTTGTTTAGGCCATCTCTCTCTGCGTCATAACCTTCATTGGAGTT
TTAACAAAGCAAGCAAAATGTTAGAATCAGTTAAATGGTCTGTCTTGACCACATTAATGAAAAAATCTAATTCAGA
TAATTCTTAATCAAAATGTCATCAGCGTTTAAAAATATTTCAGGTCATTATATGACAGAAATATTCTCAAAATTGTGT
TCTCAAATTTGTGTACCATCTTAACAATTGTTATTTTTTACCATGTCTCTGAACCACCTATAC

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M13dir primer (direct strand):

FILE NAME	39	48	58	68	78	88
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98

G3-1_M~2.SEQ

CTCCCGGCCGACCATGGCGGCCGCGAGAAATACCAGGGACCCAAAACCCCTGAGAAAAGA

|||||

INI.SEQ

.....

ATCACCAGGGACCCAAAACCCCTGAGAAAAGA

-12

-3

7

17

27

37

47

FILE NAME

99

108

118

128

138

148

158

G3-1_M~2.SEQ

AACCCACATAGTTCATTTTTTCTTGGCTTCAGAGGTTACATCAATTTCTCTGTAGGACA

|||||

INI.SEQ

AACCCACATAGTTCATTTTTTCTTGGCTTCAGAGGTTACATCAATTTCTCTGTAGGACA

48

57

67

77

87

97

107

FILE NAME

159

168

178

188

198

208

218

G3-1_M~2.SEQ

TTTAAATTGGAACATATGGAATATTTTACATGAAACATAGATATAAATTTTCAGTAGGGTTA

|||||

INI.SEQ

TTTAAATTGGAACATATGGAATATTTTACATGAAACATAGATATAAATTTTCAGTAGGGTTA

108

117

127

137

147

157

167

FILE NAME

219

228

238

248

258

268

278

G3-1_M~2.SEQ

TAAAGACATCGATTTCAGATAGTGTTTATGGTTATTCTGATAGTTACACCAAGGAGATTTA

|||||

INI.SEQ

TAAAGACATCGATTTCAGATAGTGTTTATGGTTATTCTGATAGTTACACCAAGGAGATTTA

168

177

187

197

207

217

227

FILE NAME

279

288

298

308

318

328

338

G3-1_M~2.SEQ

TGATGGAGCAAAAATTCAGCAACCCCCAAGAAAGCAACAGCAGCTGAAATTTCCAGTGC

|||||

INI.SEQ

TGATGGAGCAAAAATTCAGCAACCCCCAAGAAAGCAACAGCAGCTGAAATTTCCAGTGC

287		228	237	247	257	267	277
	FILE NAME	339	348	358	368	378	388
398	G3-1_M~2.SEQ	ATATTTACATGGACTCTAGCCAGTAGATGGGAATATTATAATTCTAACTAAGTATTTCA					
	INI.SEQ	ATATTTACATGGACTCTAGCCAGTAGATGGGAATATTATAATTCTAACTAAGTATTTCA					
347		288	297	307	317	327	337
	FILE NAME	399	408	418	428	438	
	G3-1_M~2.SEQ	CTCTTTGTATATAATATACAAAGAGCCTCTGTGGTATTCTCCCT					
	INI.SEQ	CTCTTTGTATGAACATACAAAGAGCCTCTGTGGTATTCTCCCT					
		348	357	367	377	387	
-=-=							
	M13rev primer (complement):						
	FILE NAME	619	628	638	648	658	668
678	G3-1_M~1.SEQ	CCAGGATTGACACATCCTCTACTGTCCAAGAACATTTATACGGTGCTTCAGAGTCCTTGA					
	INI.SEQ	CCAGGATTGACACATCCTCTACTGTCCAAGAACATTTATACGGTGCTTCAGAGTCCTTGA					
434		375	384	394	404	414	424
	FILE NAME	679	688	698	708	718	728
738	G3-1_M~1.SEQ	CTTGGTGGAGTGGAGCTGTATTCACTCAATCATGTCATTTCTGACATTCTTGAAGAAAGC					
	INI.SEQ	CTTGGTGGAGTGGAGCTGTATTCACTCAATCATGTCATTTCTGACATTCTTGAAGAAAGC					
494		435	444	454	464	474	484
	FILE NAME	739	748	758	768	778	788
798	G3-1_M~1.SEQ	CTTGTTTAGGCCATCTCTCTGCGTCATAACCTTCATTGGAGTTTTAACAAAGCAAGCA					
	INI.SEQ	CTTGTTTAGGCCATCTCTCTGCGTCATAACCTTCATTGGAGTTTTAACAAAGCAAGCA					
554		495	504	514	524	534	544
	FILE NAME	799	808	818	828	838	848
858	G3-1_M~1.SEQ	AATGTTAGAATCAGTTAAATGGTCTGTCTTGACCACATTAATGAAAAAATCTAATTCA					
	INI.SEQ	AATGTTAGAATCAGTTAAATGGTCTGTCTTGACCACATTAATGAAAAAATCTAATTCA					
614		555	564	574	584	594	604

	FILE NAME	859	868	878	888	898	908
918	G3-1_M~1.SEQ						
	GATAATTCTTAATCAAAATGTCATCAGCGTTTAAAAATATTCAGGTCATTATATGACAGA						
	INI.SEQ						
	GATAATTCTTAATCAAAATGTCATCAGCGTTTAAAAATATTCAGGTCATTATATGACAGA						
		615	624	634	644	654	664
674							
	FILE NAME	919	928	938	948	958	968
978	G3-1_M~1.SEQ						
	AATATTCTCAAATTGTGTTCTCAAATTTGTGTACCATCTTAACAATTGTTATTTTTTACC						
	INI.SEQ						
	AATATTCTCAAATTGTGTTCTCAAATTTGTGTACCATCTTAACAATTGTTATTTTTTACC						
		675	684	694	704	714	724
734							
	FILE NAME	979	988	998			
	G3-1_M~1.SEQ	ATGTCTCTGAACCACCTATAC					
	INI.SEQ	ATGTCTCTGAACCACCTATAC					
		735	744	754			