

File S1 The alignment used for generating the time-calibrated phylogenetic tree.

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>Lyomyces_crustosus_LWZ_20170815-23
ATGAATTTGCA-----AGTGAGA-----CTTGATGCTG--
GCAGT-----GTAATG-CTGCA-TGTG-CTCGGT-----
--TTC-----CGTCAAATCC--A--CAT-----TA-CACC--TGTGCA-
CTTTCAAA-----
-----GCTCTGTAGT-----CCTCCGT--
-----AATGGGAGCC-----
-----
-----GCGGCTGT-----
-----
-----
-----AATGGC-TGCTGGGGCTACACC-TTGC---CCATACAA-
TTAC-----AA---ACTCTGTATTTGTCTGTAGAAT-GT---CT-AATGGC---CT-TT--
--RTTGGCTTAAC-----
ATAATACAACCTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCG
ATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTG
G-TATTCCGAGGAGCATGCCTGTTTGAGTGTCAATAATCATCAATTCTC-----AAC-
TTCTGTAAT-----GGTTGTTG-----TTGAATTGGAC-TTGGGGA-----
CTTGCTGAT-TCTA-----ATGTTGAACTGGCTTCCCTCAAATGCATTAGC-
TGAAGTCTTA-----C-AA---GCA-GCATAT-----ATGCGGTGTGATAATATC---
-----TTCAGT-----CAT-TGCTC--TCGTT-GAATTCGGC-TTC-----
TAATGGTCCTTCAAT-----TGGAC-AA-----
TACTTTGACAATTTGACCTCATCCCCTAGTAACTGCGAGTGAAGCGGGAAGAGCTCAAATTTAA
AATCT-G-GCG-GTTT----CACCGTCCGAGTTGTAATCTGGAGAAGCATTTT-CTGCGTTG-
GACCGTGTACAAGTCTCTTGAATAGAGCGTCATAGAGGGTGAGAATCCCG-
TCCATGACACGG-AC-TACCAGTGC-
TTTGTGATATGCTCTCAAAGAGTCGAGTTGTTTGGGAATGCAGCTCAAAATGGGTGGTAAATTCC
ATCTAAAGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGATGAAAA
GCACTTTGGAAAGAGAGTTAAACAGTACGTGAAATTGTTGAAAGGGAAACGCTTGAAGTCAGTC
GCGTTGTCCGGGACTCAGCCTTGCT---ATTGCTTGGTGTACTTCCTGG-T---
TGACGGGTCAACATCAA-TTTT-GGC-TGGTGGATAAAGGCTGAGAGAAGGTGGCATCTTC----
GGATGTG-TTATAGC-TCTTGGTT-GCAT-ACGCTGGCTGGGATTGAGGT-CTGCAGCACGCCT--
----TT-T-TGGCC-----GGGGT-----TC-GCCCACG-T-
AACGTGCTTAGGAT-
GTTGGCATAATGGCTTTAAGCGACCCGTCTTGAAACACGGACCAAGGAGTCTAACATGCCTGCG
AGTATTAGAGTGGAAGAACTCTTGTCGAAATGAAAGTGAAA-GTTGGGAC-----TCTT-----
-----TGCGG--AG----GCACCAACGCCCGGCCCTGAAG-----
TTTACTGACGGTGCTGCGGTAGAGCATGTATGTTGGG----
ACCCGAAAGATGGTGAAGTATGCCTGAATAGGGTGAAGCCAGGGGAAACTCTG-
GTGGAGGCTCGTAGCGATTCTGACGTGCAAATCGATCGTCAAATTTGGGACGGTGTGTC--AT--
```

CGTTGATAAAGTAAGGGGAAAAGAAATGATATTACCTTACTACTAGTGTCGTCCAAGTACTCGTG
CCAGAAGACTCGGTAAGGCGAGAGACGCAAACGTTAGTCGTCTTAATCAGGCGTAAAGGGTTT
GTAGGCGGCTTTAAGTATTTTA--AGTATTTTAAGTATTTT-----
AAGTATTTATT-----

>Xylodon_subflaviporus_Dai_16413

-----GCAAGTCTTT-----

-----ATTGGC-TTGTTGGGACTGCAC-TTTGC-----CATTTA-TCAC-
-----AA---ACGATTTATATTGTTTTGTAGAAT-G-----T-CTA-GCCT-CT-TA----
GTAGGTGAAAC-----
TTAATACAACCTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCG
ATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCCTCCTTG
G-TATTCCGAGGAGCATGCCTGTTTGAGTGTCTGTGAAATTATCAACTCCC-----ATT-
CTTTGTTGA-----TTGG-TGAGCTTGGAC-TTGGGGA-C-----
TGCTGGT-GC-----AAATCAGCTTCCCTTGAATGAATTAGC-
TGGAATTTGA-----T-TC---GCA-GCATAT-----ATGCGGTGTGATAATGTC---
-----GTCAGT-----TGTAGC-TCGGA-TTGTCTGGC-TTC-----
TAATCGTCCTTCA-----CGGAC-AA-----
CTTGATCTTTTGACCTCATCCCCTAGTAACTGCGAGTGAAGCGGGAAAAGCTCAAATTTAAAATC
T-G-ACA-GTTT---CACTGTCCGAGTTGTAATCTGGAGAAGCATTTT-CCGTGTGC-
GACCGTGTACAAGTCTCTTGAATAGAGCGTCATAGAGGGTGAGAATCCCG-
TCCATGACACGG-AC-TACCGATGC-
TTTGTGATATGCTCTCGAAGAGTCGAGTTGTTTGGGAATGCAGCTCAAAATGGGTGGTAAATTCC
ATCTAAAGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGATGAAAA
GCACTTTGGAAAGAGAGTTAAACAGTACGTGAAATTGTTGAAAGGGAAACGCTTGAAGTCAGTC
GCGTTGATTGAGACTCAGCCTTGC----TTT-GCATGGTGTACTTCTCAG-T---
TAACGGGTCAACATCAA-TTTC-AGT-TGGTGGATAAAGGCATTGGGAATGTGGCACCTTC----
GGGTGTG-TTATAGC-CCTTTGTT-GCAT-ACACTGACCGGGATTGAGGA-ACGCAGCACGCCA-
-----CT-A-AGGCC-----AGGGA-----TT---CG-TCCCATG-T-
AACGTGCTTAGGAT-
GTTGGCATAATGGCTTTAAGCGACCCGTCTTGAAACACGGACCAAGGAGTCTAACATGCCTGCG
AGTATTAGGGTGGAAAACCCTTGTCGTAATGAAAGTGAAA-GTTGGGAC-----CTCT-----
-----CGCGA--GG----GCACCGACGCCCGGCCCTGAAG-----
TTTACTGACGGCGCTGCGGTAGAGCATGTATGTTGGG----
ACCCGAAAGATGGTGAACCTATGCCTGAATAGGGTGAAGCCAGGGGAAACTCTG-
GTGGAGGCTCGTAGCGATTCTGACGTGCAAATCGATCGTCAAATTTGGGAAGGTGTGTC--AC--
-
TTTTGATAAGGTAAAGGAAAATAAATGATATTACTTTACTATTAGTGTCTGTCCTCAAGTACTCGTGC
CAGAAGACTCGGTAAGGCGAGAGACGCAAACGTTAGTCGTCCTGATCAGGCGTAAAGGGTTTG
TAGGCGGCTTTAAGTATGGATTCCTTCTAAATAACATTAC-----
-TCTATTTTAG-----GGTAACGAGT-----

CCTCCCCTATGGGGCCAGGAGCAGAAGGGAAAAATCAATTAAAGCTAGAATCAAATAGAGGTC
AAATTAAATAATACTTGGT--GTAAGATTGGTATCTTTAAAAACCAAGCGGAATAC-
TAACGGCGAAGGC-
TTTTTCCATTAATGATTGACGCTGAGAACTAAGGTGAGGACAGAAAAAAGGATTAGAGACCC
TCGTATTCTCACTGTCAACGATGAATGGTAGTTACTAGATGACAAGATATTGTACTTAAATAAA

>Phylloporia_alyxiae_GC_1604-28

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GCCCGTGTACAAGTCTCCTGGAATGGAGCGTCATAGAGGGTGAGAATCCCG-
TCCGTGACATGG-AC-CACTGATGC-
TTTGTGAGGTGCCCTCAAAGAGTCGCGTTGTTTGGGAATGCAGCGCAAAATGGGTGGTAAATTC
CATCTAAGGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGATGAAA
AGCACTTTGAAAAGAGAGTTAAACAGTACGTGAAATTGTTGAAAGGGAAACGCTTGAAGTCAGT
CGCGTCTTGAGGCACTCAGCCTTAC----TTCGGTTTGGTGTACTTGCCTT-A---
GGACGGGTCAACATCAA-TTTT-GGC-
TGGTGGAGAAGGATGAGGGGAATGTAGTGTGTTTTGACGATGTG-TTATAGC-CTCTTGTC-
GAAT-ATGCTGGCTGGGATTGAGGAGCTGCAGCACGCC-----CTT-G-TGGCC-----
AGAGG-----TT---CG-CCTCATG-T-AACGTGCTTAGGAT-
GTTGGCATAATGGCTTTAAGCGACCCGTCTTGAAACACGGACCAAGGAGTCCAACATGCTTGCG
AGTGTTTCGGGTGGAAAACCCCTTGCGCGTAATGAAAGTGAAA-GTTGGGAG-----CCTC-----
-----TGTA--GGAGGTGCACCGACGCCCGGCTCTGACG-----
TTCTCTAATGGTGCCGCGGTAGAGCAAGTGTGTTGGG----
ACCCGAAAGATGGTGAACATATGCCTGAATAGGGCGAAGCCAGAGGAAACTCTG-
GTGGAGGGCTCGTAGCGATTCTGACGTGCAAATCGATCGTCAAATTTGGG-----

>Phylloporia_alyxiae_Chen_1182

TCCCCTAGTAAATGCGAGTGAAGCGGGAAGGGGTCTGAATTTGTAATCT-G-GCG-GCC--
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GCCCCGTGTACAAGTCTCCTGGAATGGAGCGTCATAGAGGGTGAGAATCCCCG-
TTCATGACATGG-AC-CACTGATGC-
TTTGTCAAGTGCCCTCAAAGAGTCGCGTTGTTTGGGAATGCAGCGCAAAATGGGTGGTAAATTC
CATCTAAGGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGATGAAA
AGCACTTTGAAAAGAGAGTTAAACAGTACGTGAAATTGTTGAAAGGGAAACGCTTGAAAGTCAGT
CGCGTCTTGAGGCACTCAGCCTTAC----TTCGGTTTGGTGTACTTGCCTT-A---
GGACGGGTCAACATCAM-TTTT-GGC-
TGGTGGAGAAGGATGAGGGGAATGTAGTGTCGTTTCGACGATGTG-TTATAGC-CTCTTGTC-
GAAT-ATGCTGGCTGGGATTGAGGAGCTGCAGCACGCC-----CTT-G-TGGC-----
AGAGG-----TT---CG-CCTCATG-T-AACGTGCTTAGGAT-
GTTGGCATAATGGCTTTAAGCGACCCGTCTTGAAACACGGACCAAGGAGTCCAACATGCTTGCG
AGTGTTCGGGTGGAAAACCCCTTGCGCGTAATGAAAGTGAAA-GTTGGGAG-----CCTC-----
-----TGTA--GGAGGTGCACCGACGCCCGGCTCTGACG-----
TTCTCTAATGGTGCCGCGGTAGAGCAAGTGTGTTGGGCTTAACCCGAAAGATGGTGAACATATGC
CTGAATAGGGCGAAGCCAGAGGAACTCTG-
GTGGAGGCTCGTAGCGATTCTGACGTGCAAATCGATCGTCAAATTTGGG-----

>Phylloporia_chrysites_13669

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GCGCG-----GAGACG--CGTA-TGTG-CACGGC-----
---TTT--ACG---CTCAATCT--A--CTT-----AA-CCCT--TGTGCA-
CTTTTATA-----AGG-----
-----CGAGTAGG-----C---TTTTGCTC--
-----TTTGAAG-----CAACCAAGTGGTGAGTAACGCGAAC-
-----GTGC-----

-----GTGA-----

-----GCATTAGTA-----GCCTGAA-----AGCGAGGG---
-----ACCTTCATT-----AGAG---AGCATCGTCGAAAGC-TTTAA---
-CTTTTT---AT-----CA---ACCTTTTGT-ATGTCTTGTGAAT--G-----T-GTT-GC-
T-CC-TC---GTGGGCGAAAG-----
AAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGA
TAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCATCTTGCGCCCTCTGG

-TATTCG TAGGGCATGCCTGTTTGAGTGT CATGCTAATCTCAAACCTC-----AAG-
CCTTTCA-----TAA---GGCG----CTG-ATGGTTTGGAG-TTGAAGG-C-----
TTTGCTGAT-GGGCA-----CCTTT--AGGTGTGT CAGTCCCTTTGAAAAGCATTAGC-
TGGACTTTGG-----T-TC---GCA-TGG-----ATGGTGT AATAATAA-----
-----AGTG-TTCAC----CAGAAG-TACATT-CCTAA-TGGGTCTGC-TTC-----
TAATCGTCTT-----CGGAC-AA-----GG-TCC---TTTGT-GAC----C-
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>Phylloporia_clausenae_Cui8463

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GCATA-----AAAACA--CGCA-TGTG-CACGGC-----
---TCC--ATG---CTCGATCC--A--TTC-----AA-CCTC--TGTGCA-
CCTTTGCA-----AAG-----
-----CATAGTAGG-----C-----TTCGCTC-
-----TTTGAA-----GTGTTTAGTAATGAGTAAGGCGAGG-
-----GTGC-----
-----
-----GCGAGCATC-----GATAGT-
CTGAAAGTGA-----AAGGTCT---
TCACCATTGGAAGTGCGTTCGGTAGCAAAGTAGGGTTTGAAGGTGCGCGCAAGCCACCAGATG
GCCTGAAAGCGAGAATGGACTTTGTTTACTGTTTGAAGTGACC-AGTAGCAAGTAA-GGTT----
-----GCGTGAGCG-----GCCTGAA-----AGCGAACG-----
----TCCTTCATTT-----GGAGGG-AGCGCAGTCGAAAGC-TTTGA-----TCTTT----
AT-----TA---ACTGTGCGT-ATGTCTTGTGGAT--GGTATAT-ATT-GC-T-CC-TG---
GTGAGCGAAATGA----

ATAATACAACCTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCG  
ATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTG  
G-TATTCCGAAGGGCATGCCTGTTTGAAGTGTCATGTTAACCTCAAACCGC-----AGG-  
CCTTTTG-----TTA----GGCT-----CGA-GCGGTTTGGAT-TGGAGGA-T-----


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[illegible]

AGGATCTGAACGCCGAGGTTTCAATCGTTCGTGACATACGTGAAAAGGAGGTCCGTATTTATAC
CGACGCAGGACGCGTTCTTCGACCGCTTTTCATTGTCTGAGGACAATAGATTAAAGCTGAGACGT
CAGCACCTGCGCTGGCTCCAGGCCAAGTGGAGGATT-----
GAGGAGAGGGCCCAAAGACAGAGTCCT-----
GGATGAAGGCGAAGAATCAGCAGGCGAGACAGTAACTGAGCTAGAAGACGATGGGAAGCCAA
TAATACGGGAAGGGGTTCTGAATGAAGAAGAAGAGGAAACCGGTCACCTGGAAAACGTTGTTCA
GCGACGGCGTTATTGAATACCTTGACGCAGAGGAGGAGGAAACGGTCATGATCTGCATGACAC
CAGAGGATTTGGTCTGAATCTCGGTTAATGAGGCAAGGCCTGGATCCTCG---
AGCTGACACGGAGTTCGATGCGTCTACGCGTCTCAAGCCTGTACCGACC-----
GCTCATAACTGGACACATTGCGAGATTCATCCCAGCATGATTCTAGGTATATGTGCAAGTATCAT
TCCGTTCCC

[illegible]

GGGGG-----TT---CG-CCCCATG-T-CACGTGCTTAGGAT-
GTTGGCATAATGGCTTTAAGCGACCCGTCTTGAAACACGGACCAAGGAGTCTAACATGCTTGCG
AGTGTTCGGGTGGAAAACCTTGCGCGTAATGAAAGTGAAA-GTTGGGAG-----CCTC-----
-----CGTGA--GGGGGTGCACTGACGCCCGGCCCTGATG-----
TTCTCTGACGGTGCTGCGGTAGAGCAAGTATGTTGGG----
ACCCGAAAGATGGTGAACATGCCTGAATAGGGCGAAGCCAGAGGAAACTCTG-
GTGGAGGCTCGTAGCGATTCTGACGTGCAATCGATCGTCAATTTGGG-----

>Phylloporia_crataegi_Dai_18133

-----GCACCAAGTA-----
-----GCCTGAA-----AGTGG--C-----TCTTTCATTC-----
GAAG---AGTGCGGTGCGAAAGC-TTTGA-----TTTTT----AT-----CA---
ACCCTTTGT-ATGTCATGTGAAT--G-----T-GTT-GC-T-CC-TC----GTGGGCAAAGC-----
AAATACAACCTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGA
TAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGG
-TATTCCGAAGGGCATGCCTGTTGAGTGTCTGTTTATCTCAAACCCC-----AAA-
CCTTTTG-----TTA---GGTTT----CGG-ATGGTTTGGAC-TTGGAGG-C-----
TTTGCTGGT-GCGT-----GCCCT--GTGCGCGTCGGCTCCTCTGAAAGGCATTAGC-
TGGACTCTGG-----T-TC---GCA-AGG-----ATGGTGTGATAGTAA-----
-----CGTA-TTCGC----CAGAAA-TGCTTG-CCTGA-TGGGTCTGC-TCC-----
TAATCGTCTT-----CGGAC-AA-----GGTTCC---TTTGT-GAC----C-
TTTGCTTGACCGTTTGACCTCATCCCCTAGTAACTGCGAGTGAAGCGGGAAGAGCTCAAATTTGT
AATCT-G-GCG-GTC--TCTGGCCGTCCGAATTGTAATCTGTAGAGGCGTCTG-CCGCGTCG-
GCCCGTGTACAAGTCTCCTGGGATGGAGCGTCATAGAGGGTGAGAATCCCG-
TCCATGACACGG-AT-CATCGATGC-
TTTGTGAGGCGCCCTCGAAGAGTCGCGTTGTTTGGGAATGCAGCGCAAAATGGGTGGTAAATTC
CATCTAAGGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGATGAAA
AGCACTTTGAAAAGAGAGTTAAACAGTACGTGAAATTGTTGAAAGGGAAACGCTTGAAGTCAGT
CGTGTCCCGTGGCACTCAGCCTTGC----TTTGGCTTGGTGTATTTGCCTT-G---
GGATGGGTCAACATCAA-TTTT-GGC-
CGGTGGATAAGGGTGAGGGGAATGTAGCGTTGTTTCGGCAACGTG-TTATAGC-CTCTTGTC-
AAAT-ACGTCGGCTGGGATTGAGGA-CTGCAGCACGCC-----TT-G-TGGCC-----
GGGGG-----TT---CG-CCCCATG-T-CACGTGCTTAGGAT-
GTTGGCATAATGGCTTTAAGCGACCCGTCTTGAACACGGACCAAGGAGTCTAACATGCTTGCG
AGTGTTCGGGTGGAAAACCTTGC GCGTAATGAAAGTAAA-GTTGGGAG-----CCTC-----
-----CGTGA--GGGGGTGCACTGACGCCCGGCCCTGATG-----
TTCTCTGACGGTGCTGCGGTAGAGCAAGTATGTTGGG----
ACCCGAAAGATGGTGAACCTATGCCTGAATAGGGCGAAGCCAGAGGAAACTCTG-
GTGGAGGCTCGTAGCGATTCTGACGTGCAAATCGATCGTCGAATTTGGGTGATGTGAC--AT--
-CGAGGATAACGTAAGGGGAAAAT-
AATGATATTACCTTACTATTAGTGTGCTCCAAATGCTCGTGCCAGAAGACTCGGTAAGGCGAGA
GACGCAAACGTTAGTCGTCTTGATCAGGCGTAAAGGGTTTGTAGGCAGCTTTAAGTATCCAA-
TTTAATGTTTATTATTAT-----AATATTTACA-----

AGTTATAATATTTATTAAAGGATCAATTAAAGCTAGAATCTAGAAGAGGTGA----
ATACAATGCTTGAG-CTTAGGAGTACTAACCGCAAACATCAAGTAGAGTGC-
TAAGGGCGAAGGC-
AGTTTACCAATAAAGATTGACGCTGAGAAACGAAGGTGAGGATAGAAAAAAGGATTAGATACC
CTTGTATCCCTCACTGTCAACGATGAATGGTAGTTACTAGGGAGAA-----

ATGACCTAGAGGCGATGTTAACACGTAAACCATTCCGCCTTGTGAGTACGACTGCAAAGTTGAA

>Phylloporia_cylindrispora_Yuan_6144

[illegible]

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TCTGTGACATGG-AC-TACCGATGC-
TCTGTGAGGTGCCCTCGAAGAGTCGCGTTGTTTGGGAATGCAGCGCAAAATGGGTGGTAAATTC
CATCTAAGGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGATGAAA
AGCACTTTGAAAAGAGAGTTAAATAGTACGTGAAATTGTTGAAAGGGAAACGCTTGAAGTCAGT
CGTGTTCTGTGGCACTCAGCCTTGC----TTCGGCTCGGTGTACTTGCCTT-A--
GGATGGGTCAACATCAA-TTTT-AGC-
TGGTGGACAAGGGTGAGGGGAATGTAGCGTCGTTTTAGCGTCGTG-TTATAGC-CTCTTGTC-
AAAT-ACATCAGCTGGGATTGAGGA-CTGCAGCATGCTC-----TT-G-TGGCG---
CCCGGGGGT-----TT---TG-CCCCACGTT-AATGTGCTTAGGAT-
GTTGGCATAATGGCTTTAAGCGACCCGTCCTTGAAACACGGACCAAGGAGTCTAACATGCTTGCA
AGTGTTTGAGTGGAAGAACTCTTGCGCGTAATGAAAGTGAAAGTTTGGGAG----CCTC-----
-----TGTGA-AGGGGGTGCACCGACGCCCGGCCCTGATG-----
TTTTCTGATGGTGTGCGGTAGAGCAAGTATGTTGGG----
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GTGGAGGGCTCGTAGCGATTCTGACGTGCAAATCGATCGTCAAATTTGGG-----

>Phylloporia_cylindrispora_Yuan_6148

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GCCCATGTACAAGTCTCCTGGAATGGAGCCTCCTAGAGGGTGAGAATCCCG-
TCTGTGACATGG-AC-TACCGATGC-
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AGCACTTTGAAAAGAGAGTTAAATAGTACGTGAAATTGTTGAAAGGGAAACGCTTGAAGTCAGT
CGTGTCTGTGGCACTCAGCCTTGC----TTCGGCTCGGTGTACTTGCCTT-A---
GGATGGGTCAACATCAA-TTTT-AGC-
TGGTGGACAAGGGTGAGGGGAATGTAGCGTCGTTTTAGCGTCGTG-TTATAGC-CTCTTGTC-
AAAT-ACATCAGCTGGGATTGAGGA-CTGCAGCATGCTC-----TT-G-TGGCG---
CCCGGGGGT-----TT---TG-CCCCACGTT-AATGTGCTTAGGAT-
GTTGGCATAATGGCTTTAAGCGACCCGTCTTGAAACACGGACCAAGGAGTCTAACATGCTTGCA
AGTGTTTGAGTGGAAAACCTTTCGCGTAATGAAAGTGAAAGTTTGGGAG-----CCTC-----
-----TGTGA-AGGGGGTGACCGACGCCCGGCCCTGATG-----
TTTTCTGATGGTGCTGCGGTAGAGCAAGTATGTTGGG----
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>Phylloporia_cystidiolophora_Dai13945

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GCCCATGTATAAGTCTCCTGGAATGGAGCGTCATAGAGGGTGAGAATCCCG-
TCCATGACATGG-AC-CACCGATGC-
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AGCACTTTGAAAAGAGAGTTAAACAGTACGTGAAATTGTTGAAAGGGAAACGCTTGAAGTCAGT
CGTATCTTGGGGCACTCAGCCTTGC----TTTGGCTTGGTGTACTTGCCTT-G--
GGATGGGTCAACATCAA-TTTT-GGC-
CGGCAGACAAGGGTGAGGGGAATGTAGCGTCATTTTGGTGATGTG-TTATAGC-TCCACATC-
AAAT-GTGTGCGCTGAGATTGAGGA-TCGCAGCATGCCC-----TT-G-TGGTC-----
AGAGG-----TT---CG-CCTCATG-T-AATGTGCTTAGGAT-
GTTGGCATAATGGCTTTAAGTGACCCGTCTTGAAACACGGACCAAGGAGTCTAACATGCTTGCA
AGTGTTTGGGTGGAAAACCCCTTGCGCGTAATGAAAGTGAAA-GTTGGGAG-----CCTC-----
-----CGTGA--GGGGGTGCACCGACGCCCGGCCCTGATG-----
TTCTCTGGTGGTGTGCTGCGGTAGAGCAAGTATGTTGGG----
ACCCGAAAGATGGTGAACATATGCCTGAATAGGGCGAAGCCAGAGGAAACTCTG-
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>Phylloporia_cystidiolophora_Dai13953

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GCCCATGTATAAGTCTCCTGGAATGGAGCGTCATAGAGGGTGAGAATCCCG-
TCCATGACATGG-AC-CACCGATGC-
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CGTATCTTGGGGCACTCAGCCTTGC---TTTGGCTTGGTGTACTTGCCTT-G---
GGATGGGTCAACATCAA-TTTT-GGC-
CGGCAGACAAGGGTGAGGGGAATGTAGCGTCATTTTGGTGATGTG-TTATAGC-TCCACATC-
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AGTGTTTGGGTGGAAAACCCCTTGC GCGTAATGAAAGTGAAA-GTTGGGAG-----CCTC-----
-----CGTGA--GGGGGTGCACCGACGCCCGGCCCTGATG-----
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ACCCGAAAGATGGTGAATATGCCTGAATAGGGCGAAGCCAGAGGAAACTCTG-
GTGGAGGCTCGTAGCGATTCTGACGTGCAAATCGATCGTCAAATTTGGGTATATGTGTC--ATA-

-TGAGGCTAACGTAAGGGAAAAT-
 AATGATATTACCTTACTATTAGTGTCTGTCCTCAAATGCTCGTGCCAGAAGACTCGGTAAGGCGAGA
 GACGCAAACGTTAGTCTGCTTGATCAGGCGTAAAGGGTTTGTAGGCAGCTTTAAGTATCCAA-
 TTTAATGTTTACTATTAT-----AATATTTACA-----

 TGTTATAATATTTATTAGAGGATCAATTAAAGCTAGAATCTAAAAGAGGTGA----
 ATACAATGCTTGAG-CTTAGGAGTACTAACCGCAAACATCTAGTAGAGTGC-
 TAAGGGCGAAGGC-
 AGTTTTCCAATAAAGATTGACGCTGAGAAACGAAGGTGAGGATAGAAAAAAGGATTAGAGACC
 CTTGTATCCCTCACTGTCAACGATGAATGGTAGTTACTAGGGAGAA-----

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 CACGCTCTGCTTGCGTTACCCCTCGGCGTGCGTCAGCTGATCGTTGCCGTGAACAAGATGGACA
 CAGCCAAGGTTGGT-GGCGCTATTGA--CCTCT-CCGTAATGAAGCTGAATC--GCGTTG-----
 --
 AATACTCCAGTGGTCTGAGGAGCGATTCAACGAAATTGTTAAGGAGACATCGACCTTCATTAAG
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 -----GCGGTGTCGTT-
 AAGGGAAAGACTCTCCTCGATGCCATTGATGCCATTGAGCCCCCTGTCCGCCAGAGAACAAG
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This image shows a full page of primary-ruled paper. It features ten sets of horizontal lines across the page. Each set consists of three lines: a solid top line, a dashed middle line, and a solid bottom line. The lines are evenly spaced and extend across the entire width of the page, leaving small margins at the top and bottom. There is no handwriting or other markings on the paper.

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[illegible]

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>Phylloporia_oblongospora_Zhou_179

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GCCT-----

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 CCTTTGCG-----AAG-----
 -----CGAGTAGG-----C-----TTCACCC-
 -----TTGAAGG-----
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 GTGT-----
 -----GCGA-----

 -----GCATCAGTA-----
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 -TATTCCGAAGGGCATGCCTGTTTGAGTGTACGTTTATCTCAAACCTCC-----AAG-
 CCTTTTG-----TTA---GGTTT---CGG-ACGGTTTGGAC-TTGGAGG-C-C-----
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 GTGC-----
 -----GCGAGCATT--
 -----AGTAGC-CCGAAAGCGA-----
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 CC-TC----GTGGGCGAAAT-----
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[illegible]

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GCGTTCAGTAGCGAGTAAGGTGAAG-----
GTGC-----
-----GCGAGCATT--
-----AGTAGC-CCGAAAGCGA-----
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CC-TC----GTGGGCGAAAT-----
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[illegible]

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-----TATG-TTCAC----CAGATG-TGCTTG-CCTAA-AGGGTCTGC-TTC-----
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-----TGAGTAGG-----CT---CTTCGCCC-----
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-----GTGT-----

-----GTGAGC-----

-----GCACCAGTA-----GCCTGAA-----AGCGAGCG-----
-----TCTTTCATTT-----AGAGAG-AGTGCGGTTGAAAGC-TTTGA-----
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TC-TC----GTGGGCGAAAT-----

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CCTTTTG-----TTA----GGT-----TTTGGAC-TTGGAGG-C-T-----
TTTGCTGGT-GTGC-----GCTCT--GCGTGTGTCGGCTCCTCTGAAAAGCATTAGC-
TGGACTTTGG-----T-TC---GCG-TGC-----ATGGTGTGATAGTAA-----

-----TGTG-TTCAC----CGGAAG-CGCTTG-CCTAA-TGGGTCTGC-TAC-----
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AGTGATAATATTTATTAAAGGATCAATTAAAGCTAGAATCTAGAAGAGGTGA----
ATACAATGCTTGAG-CTTAGGAGTACTAACCGCAAACATCAAGTAGAGTGC-
TAAGGGCGAAGGC-
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CACGCTCTGCTTGCGTTACCCCTCGGTGTGCGTCAGCTGATCGTTGCTGTGAACAAGATGGACA
CGGCTAAGGTTGGT-GGTGCCATTGA--CCACT-CCGTAACGAAGCTGAATC--GCGTTG-----
--
AATACTCCAGTGGTCTGAGGAACGATGCAACGAAATTATTAAGGAGACATCGAACTTCATTAAG
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ATGCTTGAGGAGTCGAGCAAGTATGTTTGATT-TGCCC-----TACAATGTAAGCG-----
TGTGCCGACGTGACATCT-TTCAGTATGACTTGGTACAAGGGCTGGACCAAAGAGACGAAGG--
-----GCGGTGTCGTT-
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CAGAAGATCTGGTCTGAATCTCGGTTGATGAGGCAAGGCCTGGATCCTCG---
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TCCATTCCC

>Phylloporia_rattanicola_Dai_18232

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TTGCA-----AAG-----
-----TGAGTAGG-----CT---CTTCGCCC-----
-----TTTGAAGT-----GTGACCAGTAGTGAGTAAGGCGAGC----
-----GTGT-----
-----GTGAGC-----

-----GCACCAGTA-----GCCTGAA-----AGCGAGCG-----
-----TCTTTCATTT-----AGAGAG-AGTGCGGTTGAAAGC-TTTGA-----
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TC-TC----GTGGGCGAAAT-----
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TAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGG
-TATTCCGAAGGGCATGCCTGTTTGAGTGTCTGTTTATCTCAAACCCC-----AAG-
CCTTTTG-----TTA---GGT-----TTTGGAC-TTGGAGG-C-T-----
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-----TGTG-TTCAC---CGGAAG-CGCTTG-CCTAA-TGGGTCTGC-TAC-----
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GAAT-ACACTGGTTGGGATTGGGGA-CTGCAGCACGCC-----TT-G-TGGCC-----
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GTTGGCATAATGGCTTTAAGCGACCCGTCTTGAAACACGGACCAAGGAGTCTAACATGCTTGCG
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GACCGTGTGCAAGTCTCCTGGAACGGAGCGTCGTAGAGGGTGAGAATCCCG-
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GGACGGGTCAACGTCAA-TTTT-GGT-
CGGCGGACAAGGGCGAGGGGAATGTGACGTGGCTTCGGCGACGTG-TTATAGC-CTCTCGTC-
GGAC-GCGTTGGCTGGGATTGAGGA-CCGCAGCGCGCCC-----CT-G-GTGTT-----
GGTGGCCGGAGGTGGGGGGTTGCTCCCTC---TG-CCTTACGTT-TACGCGCTTAGGAT-
GTTGGCATAATGGCTTTAAGCGACCCGTCTTGAAACACGGACCAAGGAGTCTAACATGCTTGCG
AGTGTTCCGGTGGAACCCCTTGC GCGGAATGAAAGTGAAG-GTCGGGAG-----CCTT-----
-----TGAAA-
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TGTGTTGGG----
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>Phylloporia_rubiacearum_Chen_3583

[illegible]

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 TCCATGACATGG-AC-CACCGATGC-
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 CATCTAAGGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGATGAAA
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 CGCGTCCCGTGGCACTCAGCCTTGC----TTTGGCTTGGTGTACTTGCCTT-GG--
 TGATGGGTCAACATCGA-TTTTGGGC-
 TGGCGGATGAGGGCGAGGAGAATGTAGCATTGCTTCGGTGATGTG-TTATAGC-CTCTCGTC-
 AAAC-ACGTCGGTTGGGATCGAGGA-CTGCAGCACGCCC---TTTTT-G-TGGCC-----
 AGGGGGG-----GAGTTC---CT-CTCCATG-T-AACGTGCTTAGGAT-
 GTTGGCATAATGGCTTTAAGCGACCCGTCTTGAAACACGGACCAAGGAGTCTAACATGCTTGCA
 AGTGTTTCGGGTGGAAAACCCCTTGC GCGTAATGAAAGTGAAA-GTTGAGAG-----CCTC-----
 -----CGTGA-AGGGGGTGCACCGACGCCTGGCCCTGACG-----
 TTCTCTGATGGTGCCGCGGTGGAGCAAGCACGTTGGG----
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GCCCGTGTACAAGTCTCCTGGAATGGAGCGTCATAGAGGGTGAGAATCCCG-
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CGCGTCCCGTGGCACTCAGCCTTGC----TTTGGCTTGGTGTACTTGCCTT-GG--
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TGGCGGATGAGGGCGAGGAGAATGTAGCATTGCTTCGGTGATGTG-TTATAGC-CTCTCGTC-
AAAC-ACGTCGGTTGGGATCGAGGA-CTGCAGCACGCCC---TTTTT-G-TGGCC-----
AGGGGGG-----GAGTTC---CT-CTCCATG-T-AACGTGCTTAGGAT-
GTTGGCATAATGGCTTTAAGCGACCCGTCTTGAAACACGGACCAAGGAGTCTAACATGCTTGCA
AGTGTTTCGGGTGGAAAACCCCTTGC GCGTAATGAAAGTGAAA-GTTGAGAG-----CCTC-----
-----CGTGA-AGGGGGTGCACCGACGCCTGGCCCTGACG-----
TTCTCTGATGGTGCCGCGGTGGAGCAAGCACGTTGGG----
ACCCGAAAGATGGTGAACATATGCCTGAATAGGGCGAAGCCAGAGGAAACTCTG-
GTGGAGGGCTCGTAGCGATTCTGACGTGCAAATCGATCGTCAAATTTGGG-----

TCCCTTAGTAAGTGCAGTGAAGCGGGAAGAGCTCAAATTTGTAATCT-G-ATG-GTC--
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 CGCGTCTTGAGGCACTCAGCCTTGCC---TTTGGCTTGGTGTACTTGCCTT-G---
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 TGGTGGACAAGAGTGAAAGGAATGTAGCGTCGTTTCGGCGACGTG-TTATAGC-CCTTCATT-
 GAAT-ACACTGGCTGAGATTGAGGA-CTACAGCACGCCC-----TT-G-TGGCC-----A-
 GGGGG-----CT---CA-CCCCATG-T-AACGTGCTTAGGAT-
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 -----CATAA--GGAGGTGCACCGACGCCCGGTCCTGATG-----
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 GTGGAGGCTCGTAGCGATTCTGACGTGCAAATCGATCGTCAAATTTGGG-----

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[illegible]

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---TCT--GTG---CTCAATCC--A--CCT-----AA-CCCC--TGTGCA-
CCTTTGCA-----AAG-----
-----TGAGTAGG-----C-----TCCACCC-
-----TTTGAAG-----
TGAGACTAGTAGCGAGTAAGGCGAGC-----
GTGC-----
-----GTGA-

-----GCGCCGGTA-----
-----GTCTGAA-----AGTGAGCG-----TCTTTCATT-----
GGGAG-GGTGTTGTCTGAAGGC-TTTGA-----TCTTT---AT-----CA---
ACCCTTTGT-ATGTCTTGTGGAT--G-----T-GTT-GC-C-CC-TT---GTGGGTGAAAT-----
GAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGA
TAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGG
-TATCCGAAGGGCATGCCTGTTTGAGTGTGATGTTAATCTCAAACCTC-----AAG-
CCTTTCA-----TTA---GGCT---TGG-ACGGTTTGGAC-TTGGAGG-C-----
TTTGCTGGT-GTGCCA-----CTTTT---GTGCGCGTCGGCTCCTCTGAAAAGCATTAGC-

[illegible]

[illegible]

This image shows a full page of primary-ruled paper. It features ten sets of horizontal dashed lines, each set consisting of three parallel lines. These lines are evenly spaced vertically across the entire page, providing a guide for letter height and placement in handwriting practice. The background is white, and there are no margins or additional markings.

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>Phylloporia_sp_Dai_9242
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GCGTG-----GAGACG--CGCA-TGTG-CACGGC-----
---TTT--GCG-----CTCAATCT--A--CTT-----AA-CCCT--TGTGCA-
CTTTTGTG-----AGG-----
-----CGAGTAGG-----C-----TTTGCTC-
-----TCTGAAG-----
CAACCGAGTCGTAAGTAAGGCTGAGG-----
GTGC-----
-----AGTGAGCACG--
-----AGTAGC-CTGAAATCCA-----
ATGGTGCT--TTGGTGTTGAAA--GTGTTCAATAGCGAGTAAGG---TGAGCGTGCGCAAGCA---
-TTAGTAGCCTGAAAGCGAATGGTGCTTTGGTGTTGTGTTGGAAGCGTTC-CTTAGCGAGTAA-
GGTG-----AATAGAGTT-----GCCTGAA-----AGCGAGGG-----
-----ACCTTCATTT-----AGAG--AGCATGGTCGAAAGC-TTTGA-----
CTTTTT---AT-----CA---ACCTTTTGT-ATGTCTTGTGAAT--G-----T-GTA-GC-T-
CC-TC---GCGGGCGAAAAG-----
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TAAGTGATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGG
-TATCCGAAGGGCATGCCTGTTTGAGTGTACGTTAATCTCAAACCTC-----AAG-
CCTTTTG-----TGA---GGCG-----CTG-ATGGTTTGGAG-TTGGAGG-C-----
TTTGCTGAC-AAGAGCG-----CCTTTT--
AGGTGTGTGCGGCTCCTTTAAAAGCATTAGC-TGGGCTCTGG-----T-TC---
GCA-CGG-----ATGGTGTAATAGTAA-----AGTG-TTCGC---CAGAAT-
GGCATT-CCTAACGGGGTCTGC-TTC----TAATCGTCTT-----CAGAC-AA---
-----GG-TCC---CTTAC-GAC---C-
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TAATCT-G-GCG-GTC--TCTGGCCGTCTGAGTTGTAATCTGTAGAGGCGTCGT-CCGCATCA-
GCCCCGTGTACAAGTCTCCTGGAATGGAGTGTATAGAGGGTGAGAATCCCG-
TTCATGACATGG-AC-CACTGGTG-
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AGCACTTTGAAAAGAGAGTTAAACAGTACGTGAAATTGTTGAAAGGGAAACGCTTGAAGTCAGT
CGCGTCTTGAGGCATTGAGCCTTAC----TTCGGTTTGGTGTACTTGCCTT-G---
```

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GAAT-ACGCTGGCTGGGATTGAGGAAGTGCAGCACGCC-----TTC-G-TGGCC-----
AGAGG-----TT---CG-CCTCATG-T-AACGTGCTTAGGAT-
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-----TGTA--GGAGGTGCACCGACGCCCGGCTCTGACG-----
TTCTCTAATGATGCCGCGGTAGAGCAAGTGTGTTGGG----
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GTGC-----AGTGAGCACG-----AGTAGC-CTGAAATCCA-----ATGGTGCT--TTGGTGTTGAAA--GTGTTTCATTAGCGAGTAAGG---TGAGCGTGCGCAAGCA---TTAGTAGCCTGAAAGCGAATGGTGCTTTGGTGTTGTGTTGGAAGCGTTC-CTTAGCGAGTAA-GGTG-----AATAGAGTT-----GCCTGAA-----AGCGAGGG-----ACCTTCATTT-----AGAG--AGCATGGTCGAAAGC-TTTGA-----CTTTTT---AT-----CA---ACCTTTTGT-ATGTCTTGTGAAT--G----T-GTA-GC-TCC-TC---GCGGGCGAAAG-----AAATACAACCTTTCAACAATGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGG-TATTCCGAAGGGCATGCCTGTTTGAGTGTACGTTAATCTCAAACCTC-----AAG-CCTTTTG-----TGA---GGCG----CTG-ATGGTTTGGAG-TTGAGG-C-----TTGCTGAC-AAGAGCG-----CCTTTT--AGGTGTGTCGGCTCCTTTAAAAGCATTAGC-TGGGCTCTGG-----T-TC---GCA-CGG-----ATGGTGTAATAGTAA-----AGTG-TTCGC---CAGAAG-TGCATT-CCTAACGGGGTCTGC-TTC----TAATCGTCTT-----CAGAC-AA-----GG-TCC--CTTAC-GAC---C-TTGCTTGACCGATTGACCTCA-----

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CTCGAGGTGCATTC-----GGGACAATGGAGTGCTCCCAAG-----TTCAAGTCT-G--
CTCATCTTGCTTGTTTTTTAA-CACC--TGTGCA-CCATAAGCAAAAAG-----
-----TACTATTCACCTTTGG-----
GTCAGCTTTTTGTGAGTGATA-----ACATGTGC-----
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-----ATAGTAATTGTGTGTC-----CATGCAATGAT-----
-----CTGCTGAGGGATC-----
-----GACACATCCCAA-----GCGGGTAA-
-----TAGCA-----TTGATTACAT-----GGTGTATAATGT-----
-----TTATATCCACACAAAGATG----TGCTCTTGAGTGTTATGGGAAC-TTTGT-----
TTTTGATATAT----ACA-----AA---CTCTTGAT-CTGTCTGTAGAAT-G-----A-----
----A---ATGGGAAAAGT-----
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GGTTTTTGT-----AATGA--AGGCCTG--TTAG-GTGGATTGGAT-TTGGAGG-T-T----
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-----ATAAATTAG-----
-----ATATAAAATA-
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--CCTGATGATGAAAGAGAGGCGGAATATCAGTCTGACGGCGAGACCGTGGTCGAT---
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GGTTTCAAAGGTTTGGTTACAGATGGCGTAATTGAGTATCTAGACGCTGAAGAGGAGGAAACCG
TCATGATATGCATGACGCCAGAAGAGCTTGCAGAATCCCGGCTTCTACGCCAAGGCCTGGATCC
TCG---GGCGGATACCGATTTTGACCCAGCAGCGCTCTCAGATCTCTCCAGTT-----

GCTCATTCAATTTACCCATTGCGAGATTCATCCAAGTATGATCCTCGGAATTTGTGCTAGTATCATT
CCTTTCCC

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---GTCTTTGA-----A-G--

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-----TGCA-TGTG-CTCGAGGTTCTTT-----AGGCAAAAGAGGCACCTCTCACT-----
TTCAAATTT-A--CTCCATTC-----TTATTTTAA-CACC--TGTGCA-CTAATAAACAGTG-----
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----TCAGCCTTTGTCTGGTGAA-----TATGTGTATT-----

GTGGGTCCTGTATGAT-----
-----CAGCAGTGGGATT-----
--AACATATCCCAA-----GTGGATAA-----
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---AATTAActCTT---GTCATATAT-ATGTCTTGTTGAAT-G-----A-AAT-GC-TCCAATT----
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C-----TCA-GGTCTTTTTTTAA-----CATGA--AGACCTGC-TCAG-GTGAATTGGAC-
TTGGAGG-T-----TCTATGCAGGT-TCCCTTGT-----AATTA--
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TCGCGTCTTGTGGAATTCAGCCTTGC----TTCGGCCTGGTGTACTTTCCGC-T---
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GCAT-ACACCGGCCGGGATTGAGGA-CCGCAGCGCGCCC-----TT-G-TGGCC-----
GGGGG-----TT---CG-CCCCACG-T-ACCGCGCTTAGGAT-
GTTGGCATAATGGCTTTAAGCGACCCGTCTTGAAACACGGACCAAGGAGTCTAACATGCTTGCG
AGTGTTTCGGGTGGAAAACCTTGCGCGTAATGAAAGTGAAA-GTTGGGAG-----CCTC-----
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CCTTTGCG-----AAG-----
-----CCAGTAGC-----C-----TTTTTCT-
-----CTCTTTATT-----
-----CAGCTGTAT-----
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-----GGGAGCTT---GCCTTGT-----
-----
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-----GGAGGGAG-GAGGGAGGCGAACGC-TTTGA-----
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CC-TT---GTGGGCGAAAT-----
GAAATACAACCTTTCAACAACGGATCTCTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCG
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G-TATTCCGAGGGGCATGCCTGTTTGAGTGTGATGTTAATCTCAAACCAC-----GAG-
TCTTTCTTAAT-----GGAG--GGACT-----CGT-CCGTTTGGAC-TTGGAGGAT-T-----
ACTGCTGGC-TCCC-----TTTGTAGTCGGCTCCTCTGAAATGCATTAGC-
TGGACTTTGG-----T-TC---GCA-TTT-----ACGGTGAATAGTAATAAAA-
-----CTTG-TTCGCCG-----GGG-TGCTTG-CCTAA-GGAGTCTGC-TTC-----
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-----GTA ACTCTT-----

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T-CC-TT----GTGAGCGAAATAC---
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GTAT-ACATGGGCTGGGATTGAGGA-TCGCAGCACGCC-----TT-G-TGGCC-----
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CATGTTGGAGGAGTCTAGCAAGTAAGATAGGTTG-TACTTTG--AGCGCTCTAATTG-----
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-----CCGGTGTTGTC-
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GAATACACTCCGTACTCTTAGGCGAATGC---
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CACG---TGCAGAGGCTGATTTCAACCCGGCTGCTCGGTTGAAACCATTACCGATT-----
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-----TTAGTAAT-----GGTATT-----
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-----GTAATCCTT-----

-----TCTGGCAGTAGTAATA-----
-----AT---AATCTTGGTT-----CTGC-TGCTACTATGAACAC-TTTGA-----

[illegible]

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 A-----
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 CTTTATCA-----GAG-----
 -----TTAGTAAT-----AGTATTGT--
 -----AGTGG--CGGCCG--TTTGTATTATTGTTAGAA--GCGGG--

 -----GTAACCTCTT-----

 -----TCTAGCAGTAGTAATA-----
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 T-CC-TT----GTGAGTGAAATAC---
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 GG-TATTCCGAGGGGCATGCCTGTTTGAGTGTGATGTAATTCTCAATCCTC-----TTT-
 TTCTTAA-----TTGA-----AGAA-GGAGTTTGGAC-TTGGAGG-T-
 TAATATACATGCTGGT-ACT-----
 GTCTGTATCGGCTCCTCTAAAATGCATTAGC-TGGACTGTAG-----T-TC---
 GCATTGT-----TTGGTGTAGTAATAGTTTC-----TATCTATA-TTCACTA-----CAG-
 TGCTTG-CTTAG-ACTGTCTGC-TTC-----TAATAGTCCGC-----TTATGTGTCGGAC-----
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 CCCCTAGTAACTGCGAGTGAAGCGGGAAGAGCTCAAATTTAAATCT-G-GCA-GTCT-
 TCTGGCTGTCCGAGTTGTAATCTGGAGAAGCGTTTT-CTGTGTTA-

[illegible]

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ACCTTTCCC

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CTTTATCA-----GAG-----
-----TTAGTAAT-----AGTATT---
-----GTGG--TACCCA---CTTGTTATTCATTGTTAGAA--GCAGG--

-----GTAACCCTT-----

-----TCTGACAGTACCAATA-----
-----ATCTTGGTTC-----TACTAC-TACTACTATGAACGC-TTAGA-----
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CC-TT----GTGAGCGAAATAC---
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[illegible]

-----CGGGTACT-----
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GGCGAACG-CACCTTTTCG-----

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TT-----AA--ACACTTTAT-ATGTCTTGGAAT-G-----T-ATTTGC-T-CC-TC----
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TGGACTTTGG-----T-TC---GCA-TTA-----ATGGTGAATAGTAA-----
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CCCCTAGTAACTGCGAGTGAAGCGGGAAGAGCTCAAATTTAAATCT-G-GCG-GCTT-
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GTAT-ACACCGGCTGGGATTGAGGA-CCGCAGCACGCC-----TT-G-TGGCC-----
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CCTTATCG-----AAG-----
-----TGAGTAGT-----C-----
TCTTTTATT-----
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GGCGAACG-CACCTTTTATAG-----

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TT-----AA---ACACTTTAT-ATGTCTTGTGGAAT-G-----T-ATTAGC-T-CC-TT----
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TGCTGGTTGTGGCCGGCGAGGAGA-----

GAGAGGGTCGAAAGC-TTTGA-----CCTTTC-TATT-----AA---ACGCTTTGT-
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CGGAC-AA-----CT-GTG-----
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CCTCATCA-----AAG-----
-----TCAGTAGT-----C-----
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AGCGAACG-CACCTTTTTCG-----

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[illegible]

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-----TCAGTT-----
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TTAC-----AA---ACTCGTTATATTGTTTTGTAGAAT-G-----T-ATC-GC-C-TT-GAA-
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TGAGCTTTTCG-----C-TT---GAT-GCA-----ATGGTGAATAATTATC----
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CCTCACG-T-TACGCGCTTAGGAT-
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[illegible]

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[illegible]

[illegible]

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-----AGGAA-----
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[illegible]

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GGACGGGTCAACATCAG-TTTT-GGC-
CGGTGGA AAAAGGCAGAGGGAATGTAGCGCCGTTTCGGCGGCGTG-TTATAGC-CCTTTGTC-
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-----GTGGTGTCTGC-
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CAGCATTTGCTGTGGCTGCAGCAGAAATGGAGGATC-----
GAGGAAAGGCCCTTTGAAAGACCGCC-----
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CAAATGGCAGTCTTTCCTCGACGATGGTGTCTGTTGAATATCTTGACGCCGAGGAGGAGGAGACA
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CTCG---AATAGAGGGAGAAATTGACCCTGCTGCGCGTCTTAAGGCGATCCCGACG-----
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TCCATTCCC

>Inonotus_henanensis_Dai_13157

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GCGCG-----GAAACG--CGTA-TGTG-CACGGC-----
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-----TTTGGAGTAT--

-----GCTTACC-----
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-TATTCCGAGGGGCATGCCTGTTTGAGTGTGATGTTAATCTCAAATCAC-----TTG-
TTCTTTTCTTTAC-----GGGAAGGAAGTG-----GTGGTTTGGAC-TTGGAGG-T-T-----
-TTTGCTGGC-CC-----CATTTGGTCGGCTCCTCTCAAATACATTAGC-
TGGACTTTGG-----T-CT---GCGTTTT-----ACGGTGTGATAATTA-----
-----TCAC-TTCACCA-----GAG-CGCTTG-CCTAA-TGGGTCTGC-TTC-----
TAATCGTCCTTAAGT-----TGGAC-AA-----GGATCCC-GTGAGT-GGG----C-
CTTCTTGACACCTTTGACCTCATCCCCTAGTAACTGCGAGTGAAGCGGAAAAGCTCAAATTTAA
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CGGTGGA AAAAGGCGAGGGGAATGTAGCGCCGTTTCGGCGGCGTG-TTATAGC-CCGTTGTC-
AAAT-ACACTGGCTGGGACTGAGGA-CTGCAGCACGCCC-----TT-G-TGGCC-----
GGGGG-----TT---CG-CCCCACG-T-AACGTGCTTAGGAT-
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AGTGTTTCGGGTGGA AAACCTTGCGCGTAATGAAAGTAAA-GTTGGGAA-----CCTC-----
-----CGCAA--GGGGGTGCACCGACGCCCGGCCCTGAAG-----
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TCGCCTT-----
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CCCCG---AGTGGAT-----

>Inonotus_obliquus_Dai_10715
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GCACG-----GAAACGTTTGCA-TGTG-CACGGC-----
---CTTTCGTG-----CTCAAATCCAA--CTCTC-----AAA-CCCC--TGTGCA-
CCTATACA-----AGTTGAAGGT-----
-----CTTAGTAGT-----T-----TCTGT---
-----AATCGAACGGCAAG-----

-----TCAAGTACG-----TCGAGT-
AATCAAGTAC-----GAGGGTTT--CGGCCCTTGGAAG-----
-----G-----
-----TGTGAAA-----

This image shows a full page of white paper with horizontal dashed lines, typical of primary school handwriting practice paper. The lines are evenly spaced and run across the entire width of the page. There are no margins, text, or other markings present.

>Inonotus_rickii_Dai_12996

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GTACA-----GAAACG--TACA-TGTG-CACGGC-----
---TTT-CGTG-----CTCAATCC--A--CTC-----AAA-CCCC--TGTCCA-
CTTTGAAC-----GGTTGAAG-----
-----TTAGTAGT-----CT----
AGTAACAC-----TCTCGACTCCGA-----

-----CTTAGTACT-----GTGAGT-
ATACAAGTAG-----GAGGGCTT-----

-----GCTTTTGCG-----GCCTTTCGAA-----
CGTTAAGAGAA-----GAGAGG-
GTGAAGGGCGAACGC-TTGAC--TAGTTTATG-TTAT-----AA---
ACCCTTTGTATTGTTATGTGAAT--G-----T-AAT-GC-T-CC-TT---GTGGGCGATAATG-----
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TTT-----GCGGTGTAATAGTGTGTTAT-----AATACTTCACCA-----GAG-
CGCTTG-CCTAA-CGGGTCTGC-----
-----T-----
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GACCGTGTACAAGTCTCCTGGAATGGAGCGTCATAGAGGGTGAGAATCCCG-
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>Pallidohirschioporus biformis Dai_14531

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CT-CG---TTAGGCGAAACTT-----
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AAATTT-----
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>Pallidohirschioporus_polycystidiatus_Dai_14686
- CGAGTTTGA-----A-----GTGGG-----CTTGATGCTG--
GCTTT-----TTA-----AGCACTGTG-CTCAGC-----
- CCC-----GCTCCAATCC--A--TTC-----AA-CCCC--TGTGCA-
CTATTCGG-----AGT-----
-----GTTGCAAGCTGAGA-----C-----
-----AATGTGGGCG-----
-----
-----
-----
-----
-----TAGTCTAAGTT-----GTATT-----ACTTGGG-----
-----TTACAA-----CCAAAC-GGTCAAGGCTTGTCC-TCTGG-----
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CT-TG---TTGGGCGAAACTT-----
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-----TTCACCAC---GGGC-CGTGTCACTCTT-AGGGTCTGC-TTC-----
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GGGTGTG-TTATAGC-CCTCT-TT-GTAT-ACATCGGTTGGGATCGAGGA-CTGCAGCACGCC--
----TT-G-TGGCC-----GGGGG-----TT---CG-CCCTACG-T-
```


[illegible]

--CCC-----GCTCCAATCC--A--TTC-----AA-CCCC--TGTGCA-
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-----GTTGCAAGCTGAGA-----C-----
-----AATGTGGGTG-----

-----TGACCCGGTT-----GTATTTTAA-----TGCGACTTGGG-----
-----TACTA-----TCAAAC-GGTCAAGGCTGTCC-TCTGG-----
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CT-CG----TAGGCGAACTT-----
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CTATTCGAGGAGCATGCCTGTTTGAGTGTGATGTTAATATCAACTCCG-----ATG-
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AGTGCTGGC-----TGCAAAGTCGGCTCCTCTTGAATGCATTAGC-
TTGGACCTGT-----GCGC-GT---TTG-CTA-----GCGGTGTAATACATTTTA--
-----TTCACCAC---GGGC-CGTGTCACTATT-AGGGTCTGC-TTC-----
TAATCGTCCTC-----
-----CCTAGTAACTGCGAGTGAAGCGGAAAAGCTCAAATTTAAAATCT-G-
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AAATT-----

[illegible]

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GCGCG-----GAGACG--CGCA-TGTG-CACGGG-----
---CTC--GCA---CTCAATCC-AA--CTCTC-----AAC-CCCC--TGTGCA-
CCTGTTG-----AAG-----
-----TCAGTAGT-----C-----TTTT-----
-----TCCGGTACC-----TCTTTGAGGGACCGGTGGGAGGA-----

-----GCGAACACT-----TCAAAAT-
CTTGAAGT-----CAGTAGTTGGAAA-----
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-----AGGGGGG-----
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[illegible]

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[illegible]

[illegible]

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GCGTCTTTCAGAACTCAGCCTTGC----TTCGGCCTGGTGTACTTTCTGT-T---
AGACGGGTCAACGTCAA-TTTC-GAT-
CGGCGGAGAAAGGTTGAGGGAATGTAGCGTTGTTTCGGCGACGTG-TTATAGC-CCTCTTCT-
GTAT-ACGTCGGTTGGGATTGAGGA-CCGCAGCGCGCCT-----TT-A-TGGCC-----

TCGAGTTTTTA-----A-AA-TCGGGGG-----CTTGATGCTG--
GCGTG-----GAAACA--CGCACTGTG-CTCGGC-----
---CTT-CGTG-----CTTAATCC--A--CTC-----AA-CACC--TGTGCA-
CCTTATCG-----AAG-----
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-----CTTAGTTGGAGCCGCGGAGGT-----

-----TGACTTTGTTAGTA-----GTGTTTCGA-----CGCGAAAGCATA---
-----TAGTCGGCCT-----TGGCT-GGGATTGACGAACAC-TTTGA-----
CTTCA-TCAT-----AC---ACACTTTAA-TTGTCTGTAGAAT-G-----T-AAT-GC-T-
CC-TT----GTGGGCGAAAT-----
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G-TATTCCGAGGGGCATGCCTGTTTGAGTGTATGTTAACATCAAACCCC-----TTG-
CTTGTA-----AGGTTC-----GGGGCTTGAT-TTGGAGG-T-T-----
TATGCCGGC-CTGC-----TTCATTG--TCAGTTGTCGGCTCCTCTTAAATGGATTAGC-
TGGACTTTGG-----T-CT---GCG--TG-----TCGGTGTGATAG-----
-----TTTA-TTCACC-----AAT-CGCTTT-CCTAA-TGGGTCTGC-TTC-----
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CCCCTAGTAAGTGCAGTGAAGCGGGAAAAGCTCAAATTTAAAATCTCG-GCG-GTCT-
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CCTGGAAGAGTGGGGTTTGGAAAGTCTTGAAGAGAAYGCTCA---ATCCACGA-----
ACCTTACCAAGGTCTTTGTTAATGGCGTATGGCTTGGGGTGCACCGTGACCCATTCAATCTGGTG
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CGCG-----CTCAAATCCAA--CTC-----AAA-CCCC--TGTGCA-CCTATATA----
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-----TTAGTAGT-----CTGAG-----GTCT-----
-----TGTAAGTAATTGGTAGGAAGGTGAA-----

-----AGCGGGTGT-----
-----TACTCGTTAGGTA-----

-----GCCCTTCGAA-----AGTGAAAGC-----
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[illegible]

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CCAG---AGCCGAT-----

>Sanghuangporus_quercicola_Dai_21763
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GGCTCGTTAGGTA-----

---ACCCTTCGAA-----AATGAAAGC-----
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GCG-TTT-----ACGGTGAATAGTTGAT-----TCCG-TTCACC---AACGAG-
CGCTTG-CCTGA-GGAGCTCGC-TTC-----TAGCCGTCCGCGTCGT-----CGGAC-AA-
-----GGAGTTT-GTTTGT-
TACCTCCTTCATCTTTGACACCTTGACCTCATCCCCTAGTAACTGCGAGTGAAGCGGGAAGAGCT
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[illegible]

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CCAG---AGCAGATGGTGACTTCGACCCGGCTGCTCGTCTCAAGGCAGTTCCAAAT-----
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-----GAGCGAGTGT-----
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-----ACCCTTCGAA-----AATGAAAGCGAG-----
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TCTTTCTTTAAT-----TGAA--GGGCTT-----GAGGTTTGGAC-TTGGAGG-T-----
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GCG-CTT-----ACGGTGTAAATAGTTGAT-----TCCG-TTCACC---AACGAG-
CGCTTG-CCTAA-CGAGCTTGC-TTC-----TAACGGTC-----

GAAGAGCTCAAATTTCAAATCT-G-GCG-CCCT-
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CGGTGGACAAGGGCGAGGGGAATGTAGCGTTGCTTCGGCGACGTG-TTATAGC-CCCCGTC-
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Sanguinaria canadensis

>Sanguangporus_weigela_LWZ_20210623-2a

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CGTAAGTAATTGGTAGAAAGGTGAA-----

-----AGCGGGTCT-----

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---GCCTTTCGAA-----TATGAAAGC-----
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TCTTCTTAATTG-----TGAA--GGGCTT-----ACGGTTTGGAC-TTGGAGG-T-T-----
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CGGGCTTTGG-----C-TC---GCG-TTT-----ACGGTGAATAGTTGAT---
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