

>Ade12 (FG673)_*Agaricus bisporus* var. *burnettii*

AGCATCGGAACCACGAAGAAAGGTATCGGTCCAGCCTATTCCGGCAAAGCTTCCCGTT
CCGGTCTTCGCGTCCACCACCTCTTCGACCATACCAACTTTGCAACCAAATTCCGTCAT
ATCGTCGAAGGTCGTTTCAAACGTTACGGTCATTTGAATACGACACCGAAGGCGAAA
TCGAGAGATACAAACCTCCTCGCAGAACGTTTGAAACCTTACGTTATTGATAGTGTGGTT
TATATTCATAAAGCTATCAGTCAAGGTAAACGTGTGTTGGTTGAAGGAGCGAATGCTTT
GATGCTGGATTTGGATTTTGG

>Ade12 (FG673)_*Schizophyllum commune*

AGCATCGGTACCACCAAGAAGGGCATCGGCCAGCCTACTCTGGCAAGGCCTCCCGCT
CCGGCTTGCAGTCCACCACCTTTTCGACCACGACACCTTCGCCGCCAAGTTCCGCCG
CCTCGTCGAAGGCCGCTTCAAGCGCTACGGCCACTTCGAGTACGACACCGAGGGCGA
AATCGAGCGCTACAAGCAGCTCGCGGAGCGCCTCCGGCCACACGTCATCGACAGCGT
CGCGTACATCCACAAGGCCATCTCGAGCGGGAAGCATGTGCTGGTTCGAGGGCGCGAA
CGCGTTAATGCTGGATATCGACTTTGG

>Ade12 (FG673)_*Coprinopsis cinerea*

AGCATCGGAACAACCAAGAAGGGCATCGGCCAGCCTACTCCGGCAAAGGCCTCTCGC
TCCGGCCTCCGCGTGCACCACCTCTTCGAGCCCGAGACCTTCGCCGCCAAGTTCCGCA
AGGTCGTCGAGGGGCGGTTCAAGCGCTACGGGCACTTTGAGTACGACACCGAAGGCG
AGATCGAGCGGTACAGGAAGCTGGCGGAGAGGCTGCGCCCGTATGTCGTTGATAGCGT
TGCGTTTCATTCATAAAGCCCTGGCGTCGGGGAAGAGGGTCCTGGTTCGAGGGCGCGAAT
CGGTTGATGCTTGATATTGATTTTGG

>Ade12 (FG673)_*Fomitopsis pinicola*

AGTATCGGTACCACCAAGAGGGGTATTGGCCCAGCCTACTCCGGCAAAGGCCTCGCGCT
CAGGCCTTCGCGTCCACCACCTCTTCGACCACGAGACTTTTGCAGCCAAGTTCCGCAA
AGTTGTTGAAGGCCGCTTCAAGCGCTACGGCCACTTCGAGTACGACACGGAGGGCGA
GATCGTCCGCTACAAGGTGCGTCGTCCTGCCCGTGTTCTTGCTCACTCGTCGCAATG
CAGGCCCTCGCTGAACGGTTACGTCCCTACGTGATCGACAGTGTACGTACATACACC
GCGCGATCGCTGATGGCAAAGGATTCTGGCCGAAGGCGCGAACGCGCTGATGCTCGA
TATTGACTTCGG

>Ade12 (FG673)_*Agrocybe pediades*

AGCATCGGAACCACAAGGAAGGGTATTGGCCCCGGCCTACTCCGGAAAAGCCTCTCGTT
CGGGTCTCCGTGTTCAACCACCTATTCGATCCCGAAACTTTTCGCTGCCAAGTTTAGGACT
TTGGTGGAAGGTCGGTTCAAGCGATACGGGCACTTTGAGTATGACACCGAAGGAGAG
ATCAAGCGGTATAAGGTACGCCTCCTCTCTTACCCGCATATGTTGATTCTGTTTATTCTAG
GAACTCGCTGAGAGATTACGCCCTACGTGTCGACAGCGTCGTCTATATCCATAAAGC
CATCTCCTCTGGAAAGAGAGTTTTGGTTCGAGGGTGCCAACGCGCTGATGCTCGACATT
GACTATGG

>Ade12 (FG673)_*Phanerochaete carnosae*

AGTATTGGAACAACCAAGAAGGGCATTGGCCCCGGCCTACTCCGCCAAGGCGTCGCGCT
CTGGCCTCCGTGTTCAACATCTCTTCGATCATGAAACATTCGCCGCCAATTCGCAAG

ATCGTCGAGGGCAGATTTAAGCGCTATGGCTACTTCGAATATGACACCGAGGGCGAGAT
TGTCAGGTATAAGGTTTCGTTTCCTTGCAAAGCTCTGACCACAACCTTGTGCTGCAGGCA
CTTGCCGAACGGCTGAGGCCGTATGTTGTCGACAGCGTTATCTATATCCATGAGGCAAT
TGGCGAAGGCAAGAAGATTCTGGTCGAGGGTGCAAATGCTCTGATGCTCGACATCGAC
TTTGG

>Ade12 (FG673)_*Auricularia delicata*

AGTATCGGGACAACGAAGCGCGGCATCGGCCCCGCGTACTCCGCCAAGGGCGTCGCGC
TCCGGCCTGCGCATCCACCACCTCTTCGACCACGACACCTTCGCTGCCAAGTTCCGCA
AGATCGTCGAGGGCCGGTTCAAGCGCTATGGGCACTTTGAGTATGATACTGAGGCTGA
GATCCTGCGGTACAAGGTACTACCGTGTCCCTGCTCCCTCCCCTCACGACGGCATGACG
CAGGAGCTGGCGGAGAGATTACGGCCGTTTCGTCGTGGATAGCGTGTGCTATGTGCACG
AGGCGCTCGCCGCGGAAAGCGCATCCTCGTCGAGGGGCGGACAGGGCGCTCATGCTCG
ACATCGACTTCGG

>Ade12 (FG673)_*Trametes versicolor*

AGCATCGGCACGACCAAGCGAGGCATCGGTCCTGCTTACTCGTCTAAGGCGTCTCGCT
CCGGTCTTCGCGTCCACCACCTCTTCGATCACGACACCTTCGCGCAGAAGTTCCGCAA
GCTCGTTGAGGGTCGTTTCAAGCGCTACGGCCACTTCGAGTATGACACCGAGGGAGAA
ATCCTCCGTTACAAGGTACAACATTGCCTCGCTTACCTATAACACACCTGGTTTACGCA
GGCCCTCGCGGAACGCCTGCGCCCCACGTCATTGACTCCGTGGTTTACGTCCACAAA
GCGCTATCAGAGGGCAAGAAGCTTCTTGTGAAGGCGCGAATGCGTTGATGCTGGATA
TCGACTTCGG

>Ade12 (FG673)_*Marasmius fiardii*

AGCATCGGGACCACCAAAAAGGCATTGGTCCAGCATACTCGGGCAAAGCTTCACGAT
CGGGCCTCCGTGTTACCATCTATACGACCACGACACCTTCGCCGGCAAAGTTCAGAAA
GCTCGTCGAGGGTTCGTTCAAGCGCTACGGTCACTTCGACTACGACACAGAAGGTGA
AATATTACGTTACAAGGTTCAATTTATCTCAATCTGGACTTAGTACTTCTGAACTGTCTTTA
GGACCTGGCTGAAAGACTCCGTCCATATGTCATTGACAGCGTTGTTTACATTCACCAAG
CCATCTCAAGTGGAAGAACGTCCTGGTTGAAGGGGCAAACGCCCTGATGCTAGACAT
CGATTCGG

>Ade12 (FG673)_*Laccaria bicolor*

AGCATTGGCACCACGAAGCGAGGTATCGGTCCAGCTTACTCCGGCAAAGCTTCACGGT
CAGGATTACGCGTTCACCACCTCTTCGACCACGAGACCTTTGCCGAGAAATTCGAAA
GCTCGTAGAAGGCCGGTATAAGCGCTACGGCCACTTTGAGTACGATACAGAAGGAGAG
ATTGAACGATAACAAGGTGATTCTGACCACCTACATATGCAAAGCCCGTCTGACATTTAC
AGAACTCGCAGAACGACTGCGGCCATATGTCGTAGATAGTGTGCGCCTACATCCACAA
AGCCATCACATCTGGGAAAAGGTTCTTGTGGAAGGAGCCAACGCTTTGATGCTCGAC
CTTGACTTCGG

>Ade12 (FG673)_*Pluteus cervinus*

AGTATAGGTACAACGAAGAAAGGCATTGGTCCGGCTTACTCTGGCAAAGCTTCACGAT
CCGGCTTAAGGGTTCACCACCTTTTTGACCATGATACATTTGCGGAGAAGTTCAGGCG

GGTTGTAGAAGGACGCTTCAAGCGGTATGGCCATTTTGAGTATGATAACCGAAGGAGAA
ATTGTCAGATACAAAGTAAGCACATACTTATGTCCTAGGTTTCTGTGGCGAACTTTCAA
AGGCATTGGCAGAGCGATTACGGCCGTACGTCGTTGATAGTGTGGCTTTCATCCACAAC
GCCATCGCGAATGGAAAGAAAGTCCTTGTCTGAAGGAGCGAATGCTCTCATGCTGGACC
TTGATTATGG

>Ade12 (FG673)_*Gymnopilus chrysopellus*

AGCATCGGCACTACAAAGAAGGGTATTGGCCGGCCTACTCTGGCAAAGCTTCCCGAT
CTGGGCTCAGGGTGCACCACCTCTTCGACCACGACACTTTTGCACAGAAATTCAGGAA
GCTGGTGAAGGGAGGTTCAAACGCTACGGGCATTTTGAATACGACACTGAGGGTGA
GATCCAGCGATACAAGGTCAGTTTCTTCGCCTGCCTGTGTTTGATCGTCATGCCTGTATC
AGGAACTTGCTGAGCGACTACGCCATATGTTATTGACAGCGTCGTATACATTACCAA
GCCATTTCTTCAGGCAAGCGGGTCCTCGTCGAAGGTGCCAACGCCCTTATGCTCGACC
TCGACTTCGG

>Ade12 (FG673)_*Hygrophoropsis aurantiaca*

AGTATTGGAACGACGAAAAAAGGTATTGGCCGGCTTACTCCGGCAAGGCATCTCGTT
CGGGACTTCGAGTCCATCATCTCTTTGATCATGATACCTTTGCTCAGAAGTTCGCAAG
ATCGTCGAAGGTAGATTTAAGCGCTACGGACACTTCGAGTATGATAACCGAAGGCGAAAT
AGAAAGATACAAGGTAAAGTCAGCGACTTTCATGTCACGTATTCTTATGATCTCGCTAG
GTTCTTGCACAACGCTTGAAACCGTTTGTGTTGACAGCGTGGCGTATATCCATGGTTC
TCTCGCGGCACAGAAGAAGGTTCTCGTCGAAGGGGCAATGCCCTCATGCTGGATTTA
GATTTTGG

>Ade12 (FG673)_*Serpula lacrymans* var. *lacrymans*

AGCATTGGTACCACGAAAAAGGGAATCGGTCCGGCCTACTCTGGAAAAGCATCGAGG
TCGGGTCTGCGGATACACCATCTTTTCGACCATGATACTTTTGCCCAAAGTTCAGAAA
AATTGTAGAGGGCAGATTCAAACGCTATGGGCACTTTGAATACGACACCGAGGGAGAG
ATCGCTCGGTACAAGGTTGGTACTGTCAATTGCTATCATCGAAGTATAAACGTCATCGC
AGATTCTGGCAGATCGTTTGAGACCTTACGTTGTGACAGTGTTGTCTATATCCATAAG
GCTCTGGCAGCAAAGAAGAAAGTTCTCGTTGAAGGGGCGAATGCACTCATGCTTGAC
TTGGATTTTGG

>Ade12 (FG673)_*Gymnopus androsaceus*

AGCATCGGTACCACAAAGAAGGGAATCGGTCCAGCTTACTCTGGCAAAGCTTCTCGCT
CGGGATTGCGCGTCCATCACCTTTTCGACCATGAAACGTTTGCCCAAAGGTTCCGCAA
ACTTGTAGAGGGCCGCTTCAAACGCTATGGCACTTTTGAATATGATACTGAAGGTGAAA
TCGAGCGGTACAAGGTATAACAAGTCCCTTCTTACATCCTATATGAAACTTGGTACTTCAG
GCTCTAGCTGAGAGGTTACGCCGTTTGTCAATTGACAGCGTGGTATACATACACAAAGC
TCTATCCAGCGGAATGAAAGTCTCGTCGAAGGGGCAACGCACTCATGCTTGATCTT
GATTATGG

>Ade12 (FG673)_*Lactarius quietus*

AGCATTGGAACCACCAAGAAAGGCATCGGCCCGCCTACTCCGCAAAGCGTCGCGC
TCCGGCTTGC GCGTGCACCATCTCTTTGACCCACGTTTCGCGGAAAAGTTCGTAAGA

TCGTCGAGGGTCGGTACAAGCGCTACGGGCATTTTCGAGTACGACACGGAGGGGGAAA
TCGAGCGCTACAAGGTGCGGGGCTTCGAACGAGCGCCTGCTACGCTACCCGATCTTGC
AGGGATTGGCGGACAGGCTGCGCCCTTTTCGTCATCGACAGCGTTGTGTATATACACGA
GGCACTCGCAACCGGAAAACGCATCCTCGTCGAAGGCGCAAATGCGCTGATGCTCGA
CATCGACTATGG

>Ade12 (FG673)_*Amanita muscaria*

AGCATCGGAACAACCAAGAAAGGAATTGGCCCAGCCTACTCTGGCAAAGCCTCCAGA
TCAGGCTTACGTGTCCACCATCTATTTCGATCACGACACCTTTGCCGAAAAGTTTCGTAA
ACTCGTCGAAGGGAGGTTCAAACGATACGGATACTTTGACTATGACACAGAGGGCGAG
ATCGAGCGATATAAGGTCTGGGGTCGCTATTCCCTGCTTCATAGCCAAAAAACACATCC
AGACCCTCGCAACCAAATAAAACCCTACGTGATCGACTCCGTATCATAATCCACAAC
GCCTTGTCGTCTGGTAAACGTATCCTAGTTCGAAGGCGCCAACGCGCTGATGCTCGATAT
CGATTTCCGG

>Ade12 (FG673)_*Mycena crocata*

AGTATCGGCACTACCAAGAAGGGAATCGGCCAGCGTACTCGGGCAAGGCGTCCCGCT
CCGGCCTGCGTGTACATCATCTCTTCGATCCCGCCACATTTGCCGATAAGTTCCGCAAG
CTCGTCGAAGGCCGCTTTAAGCGCTATGGCCACTTTGAATACGATACAGAGGGGGAGA
TCAAACGTTATCAGGCAAGCCAGGCCCTTTGGCTCCCGCAAACACAATGGGCTTCAC
AGGTCCTAGCTGCGCGACTCAAACCATACGTTATCGATAGCGTGGTTTACCTCCACCAG
GCCCTTGCTTGGGCAAGCGCGTCCTTGTAGAAGGTGCCAACGCTGCGATGCTCGATC
TCGACATGGG

>Ade12 (FG673)_*Gautieria morchelliformis*

AGCATTGGGACAACAAAGAAGGGAATAGGTCCAGCGTATTCTGCCAAGGCTTCTCGCT
CGGGCCTTCGTGTCCACCACCTGTTTCGATCACGATGTGTTTCGCACAAAAGTTTCGAAA
GATCGTGGAAGGTTCGTTTCAAGCGCTACGGTCACTTTGAGTATGACACAGAAGGAGAG
ATTTTGAGATATAAGGTATGCTCAAATCTGCCACGACGCTGTCATCCAGCGTCTCGTGT
AGGATCTAGCACAAAGACTGCAGCCATACGTCGTCGACAGTGTGACCTATCTCCACTC
TGCAATTGCTAGGGGCAAACAAGTCCTTGTAGAGGGTGCCAACGCTCTCATGCTTGATA
TTGACTATGG

>Ade12 (FG673)_*Ramaria acris*

AGCATTGGAACAACGAAGAAAGGAATAGGCCAGCTTATTTCGGCAAAGCTTCCCGCT
CAGGTCTTCGCGTTCATCACTTATTCGACCACGACGTTTTTTGCCAGAAAGTTTCGTA
ATTGTTGAAGGCCGTTTCAAACGCTACGGCCATTTTCGAGTATGACACAGAAGGCGAAA
TTCTGAGATATAAGGTACGTCTATATCCTTGCCCTACGACTCACAGCAGCGTCTTATGCAG
GAGCTTGCCTCCGACTACAACCGTACGTTATCGATAGTGTACATATGTGCACGCCGC
CATCGCTACTGGCAAATAATTCTCGTCGAGGGTGCCAATGCATTGATGCTTGATATTGA
TTATGG

>Ade12 (FG673)_*Stereum hirsutum*

AGTATCGGAACGACCAAGAAGGGTATCGGCCCCGCGTACTCTGCCAAGGCTCCCGAT
CTGGCCTGCGCGTGCATCACCTTTTTGACCACAACACGTTTCGCGGAGAAATTCCGGAA

GATAGTCGAGGGGAGGTTCAAGCGGTATGGGCATTTTCGAGTACGATACCGAGGGGGAA
ATCGTGAGGTATAAGGTGCGTATCCATTCCTTCTACGTCATCTCCTATTTGTGATTTTAG
GCTCTCGCCGAACGCCTCCGCCCTACGTCGTCGACTCGGTAGTCTACCTCCACAAAG
CACTCGCGGAGAACAACGCGTCTCGTCGAAGGTGCCAACGCGCTCATGCTCGATCT
CGACTTCGG

>Ade12 (FG673)_*Tricholoma matsutake*

AGCATCGGAACAACATAAGAAAGGTATCGGCCCTGCCTACTCCGGGAAAGCCTCACGGT
CTGGCTTGAGGGTACACCATCTTTTCGACGATACCTTTGCGGTGAAGTTTAGAAAACCTC
GTAGAAGGGCGGTTTAAGCGATACGGACATTTTGAATATGATACAGAGGGGAGAGATAG
TGCGGTACAAGGTTTCTGAGTTCTTGAAGTGTGTTGCTCCTGGCTTATTTGGTGATAGGC
TCTTGCCGATCGACTCCGCCCTTACGTGATAGACAGCCTGATCTACATCCACAATGCCA
TTTCCTCTGGGAAGCGTGTGCTGGTAGAGGGTGCAAACGCGCTTATGCTTGATATTGAC
TTTGG

>Ade12 (FG673)_*Fomitiporia mediterranea*

AGCATTGGTACGACGAAGAAGGGTATTGGCCCGCGTACTCTGGCAAAGCTTCCCGCT
CGGGTTTGCCTGTGCACCATTTGTTCAATCATGATGCGTTTGCTGCCAAGTTCCGCAAG
ATCGTTGAAGGCCGATTCAAGCGATATGGGCATTTTGAATATGACACGGAAGGGGAGA
TCGTTCCGTACAAGGTAAACACCCCATTCATTGAATCTTATGGAGTTTTGACAACGACA
GAAACTCGCTGAACGTCTAAAGCCATACGTGCTCGACTCGCTTGCCTTCTACACCTCC
AACTCACGCAAAAACAAGCGCGTCTTAGTTCGAAGGCGCGAACGCACTCATGCTAGACC
TGGACTTCGG

>Ade12 (FG673)_*Calocera cornea*

TCCATCGGCACGACGAGGAAGGGCATCGGCCCGCGTACTCGAGCAAGGCGAGCCGC
AGCGGCCTGCGTGTGCACCACCTGCTCGCGAACGACAGCTTTGCCGACAAGTTTAGG
AAGCTCGTCGAGGGCCGGTTTAAGCGCTATGGCCACTTTGAGTACGACACCGAGGCGG
AGATTGCGCGGTACAAGGTGCGTGTACCCCTATCCCTATAGAGACTGGATTGCGCGCAT
ATAGGTCCTTGCCGAACGTCTCCGCCATAACGTGGTTCGACGGCGTGACCTGGATCCAC
CAAGCGCTTTCGCAAGGCAAGCGCATCCTCGTCGAAGGCGCCAACGCGCTCATGCTCG
ACATCGATTCGG

>Ade12 (FG673)_*Dacryopinax primogenitus*

TCAATCGGGACGACGAAGAAGGGGATCGGCCCGCTTATTCGTCCAAGGCTAGCCGGA
GCGGGCTGCGTGTGCACCATTTGCTCGCGAATGACAGCTTTGCGGACAAGTTCAGGAA
ACTTGTGAGGGGAGGTTCAAACGATATGGACACTTTGAATATGATACCGAGGCTGAA
ATCGCGCGGTACAAGGTATGCCAACGCGTTTTGTCTGCACTCACTAGAGCACGCATGT
AGGTCCTTGCGGAACGTCTCCGCCCTACGTTGTCGACGGCGTTACCTGGATCCACAA
AGCCCTTGCGGACGGGAAGCGTATCCTCGTTGAAGGGGCCAATGCCCTCATGCTGGAT
ATCGACTTTGG

>Ade12 (FG673)_*Agaricostilbum hyphaenes*

GCTGTCCGACCAACAAGAAGGGTATCGGCCAGCTTACTCTGGCAAAGGCTCGCGTT
CTGGCCTCAGAATCCACCATCTCTACGATGAGAAGCTTTCGAGGAGAAGTTCAGGAC

CGTTGTCGAGAACCGCTTCAAGAGGTATGGCCACTTTGAGTACGACACCGAGGCAGA
GCTGAAGCGATATAAAGTGAGAGATGGCTACAAATACCTATTGAGATGACGTTTCTCTC
TAGGATCTGGCCAAGCGCCTCAAGCCTCATGTCTGGACGGCTCCACCTGGCTCCACG
AGAAGCTCGAGCAGGGCAAGCCGTCCTCGTTCGAAGGGCGCCAACGCTCTCATGCTCG
ACCTCGACTTTGG

>Ade12 (FG673)_*Rhizopus microsporus*

AGTATTGGCACTACCGGTAAAGGTATTGGTCCCTACCTATTCCTCCAAGGCTTCTCGCTCT
GGTATCCGTGTTACCACTTGTTCAGTTTGAAGAATTTCTGCTCGTTTCAGAAGCAT
GGTTGAAAACAAGCGTAAACGTTATGGTAACTTTGAATACGATGTTGAAGCCGAATTA
GAAAGATATAAGGAGTTGGCTGAACGTGTGAGGCCATACGTGATTGATACCATTCTTA
TCTTCATGAACAAATCAAAGCTGGTAAGCGCATTTTGGTAGAAGGGCGCCAACGCTTTG
ATGCTTGATATCGATTTTGG

>Ade12 (FG673)_*Asperigillus triticus*

AAGGTCGGTACCACGGGTAAGGGCATCGGTCCCTGCTACAGCGACAAGGCTGCCCGTC
GTGGCGTGCCTGTCGGCGAGATCTTGGATGAGGGCGGTCTTTGAGCGCAAGCTGCGCA
ACCTGGATGCTGGGTACCGGGCGCGCTTTGGCGATCTGGAGTACAATGTGGAGGATGA
ACTTGCGTTGTTCAAGGTAACCCCTAACCCCTCTTTCTTGACGTCTGTTAATATTTGC
AGGACTTCCGTGCCCGTCTGGCCCCCACATCGTCGACCAACTCGCCTTCCCTCCAGGA
ATACAAAGACTCGCCCAACACCCTGGTTCGAAGGGCGCCAACGCGCTCATGCTCGACCTG
GACCACGG

>Ade12 (FG673)_*Neurospora crassa*

AAGATCGGTACCACCGGCCGTGGTATCGGTCCCTCTTACAGCACCAAGATGGCGAGAA
GCGGTGTCAGAATCCACGAGATCTTCAACGAGGAGATCTTTGAGCGCAAGCTCAGGC
AACTCGCTGCCGGCTACAAGAAGAGATTTGGTGACCTCAAGTACGATGTCGAGGAGG
AGATTGCCCGCTTCAAGGAGTACTGTCAAGCTCGCCCGCTATACTGTGATGCCATCCA
GTACATGAAGGAGGCCAGGACCGCGGCTACAAGATCCTCATCGAGGGTGCCAACGC
CCTCATGCTGGATATCGACTACGG

>Arc40 (FG771)_*Hygrophoropsis aurantiaca*

CCTAACTCCAACCGCATCGTCACTGCTTCTCAGGATCGTAATGCCTATGTGTGGCAGCA
GACCCTCGACCCGATCACTGGCCAGATGGCATGGAAACCCACATTGGTGTGCTCAGA
ATCAATCGGGCTGCGACTTTTGTTCGATGGAGTCCTAATGAGGACAAATTCGCAGTAGC
TAGTGGTGCTAGGTGCGCTGTTATTGTTTTATGTAGGGTCTACTGATGTAGCGGTTATA
GAGCAATCGCTATCTGTTCAATTGACTCCGAGAACAATTGGTGGGTTGCGAGGCAACT

>Arc40 (FG771)_*Marasmius fiardii*

CCTAATTCCAACAGAATTGTTACCGCATCTCAAGACAGAAATGCTTATGTTTGGCAGCA
AGCTCCTGATCCAGAAACCGGCAAGGTTATTTGGAAGCCGACGTTGGTGTGTTGAGG
ATCAATAGGGCTGCTACGCATGTCCGATGGAGCCCGAACGAGGACAAATTTGCGGTTG
CGAGTGGTGCTAGGTGATTCCCTTTTGAATGACTTCTTGGGAAGCAGCTAAATATTACC
TAGAGCGATCGCTATTTGCTCTTTGACCCAGAGAACAACCTGGTGGGTTCTCAAATTTGC

T

>Arc40 (FG771)_*Coprinopsis cinerea*

CCTAATTCCAACAGGATCGTCACCGCGTCTCAAGACCGAAATGCGTATGTCTGGCAAG
AGACTGCCGATCCCGAGACTGGCAAATTGGTGTGGAAACCTACACTCGTGTTGTTGCG
AATCAATCGCGCTGCGACGTATGTGCGATGGAGTCCCAAGGAGGACAAGTTTGCTGTT
GCCAGTGGTGTAGGTGCGTTTGAAACCATCCCTTTCCTTGGCGGTCAACTGAATACC
ACCAGAGCTATCGCTATCTGTTCGTTTGACGCCGAGAACAATTGGTGGGTCGCGAAAC
AGCT

>Arc40 (FG771)_*Agaricus bisporus* var. *burnettii*

CCTGTATCTAACCGCATCGTCACCGCTTCTCAAGACAGGAATGCGTATGTTTGGACGGA
GACCACAGATGCAGAGACTGGCAAAGTTGATTTGGAAGCCGACACTCGTATTGCTGAGA
ATCAATCGCGCTGCCACTCATGTTTCGTTGGAGCCCCTTAGAAAATAAGTTCGCCGTTGC
CAGTGGTGCAGGTTGCGTATATATTTATCAATGTCTGGTATGCTCAAGCGAGGATATTCA
GAGCGATCGCTGTATGTTCTTTCGATGAAGAGAGCAATTGGTGGGTTGCCAAACACCT

>Arc40 (FG771)_*Schizophyllum commune*

CCCAACTCGAACC GCATCGTCACCGCGTCCCAGGACCGCAACGCCTACGTCTGGCAGG
AGACCCCGACCCCGAAACAGGCCGCTCGTCTGGAAGCCGACGCTCGTGCTCCTGC
GCATCAATCGCGCGGCGACGGTTCGTGCGCTGGAGCCCCAAGGAGGACAAGTTCGCGG
TCGGCAGCGGCGCGCGATCGCGATCTGCTCCTTCGACCCCGAGAACA ACTGGTG
GGTGTCTGAAGCTGCT

>Arc40 (FG771)_*Auricularia delicata*

CCCAACTCGAACC GCATCGTCACCGCGTCGCAGGACCGCAACGCCTACGTCTGGACGC
AGACGCCCGACGCGTCCGGCAAGCTCATCTGGAAGCCACGCTCGTGCTGCTGCGCAT
TAACCGCGCCGCGACCTATGTCCGCTGGAGCCCCGAACGAAGATAAGTTCGCCGTCGCG
AGCGGCGCCAGGGCCATTGCCATCTGTTTCGTTTCGACGCCGATAACGACTGGTGGGTGT
CGCGCCTGCT

>Arc40 (FG771)_*Dacryopinax primogenitus*

CCTCACTCGAACC GCATCGTCACCTGCTCACAGGATCGAAATGCATATGTCTGGACACA
GGTGCAAGATGCACAGACCGGAGAGCTGATTTGGAACCGACTCTTGTCTTGTGCGC
ATCAACCGTGCGGCGACTTTCGTCAAGTGGAGTCCGAACGAGGACAAGTTCGCGGTT
GCGAGCGGTGCTCGGTAAGTGCTTCTCCCGCAACTAGCGGGAAGACGTTGAATTGGTT
GCAGCGCTATTGCGGTCTGTTCGTTTCGATGAGGAAAACA ACTGGTGGGTTTCCCGTCA
TTT

>Arc40 (FG771)_*Calocera cornea*

CCCAACTCGAACC GATCGTCACCTGTTTCGAGGACCGCAATGCGTACGTGTGGACGC
AGGTGCCCGACCCGCAGACGGGCGAGCTCACTTGGAAAGCCGACGCTCGTGCTGCTGC
GCATTAACCGCGCTGCTACGTTTCGTCCGGTGGAGCCCCGAATGAGGACAAGTTCGCGGT
TGCGAGCGGTGCTCGGTACGTTGCTGCGCCGCTTAAGGTTGCAGGGGCTAACTATCGG

TAGTGCCATCGCCATCTGCTCCTTCGACGAGGAGAACAACCTGGTGGGTCTCTCGCCTG
CT

>Arc40 (FG771)_*Mycena crocata*

CCCAACTCCAACCGCATCGTTACGGCCTCGCAGGACAGGAATGCCTACGTTTGGCAGC
AGACCCCGGATCCCAGACGGGCAAACCTCATCTGGAAGCCGACCCTCGTCTTGCTGA
GAATCAACAGGGCGGGCACCATGTCAGGTGGAGTCCCAAGGAAGACAAATTCGCAG
TGGCTAGCGGTGCGCGGTGAGCCTCATCGTATTCTTCTTGGTTCTCCTCCAGTGCATC
GCCATCTGCTCCTTTGACCCCGAAAACAACCTGGTGGGTCTCGAAGCTCCT

>Arc40 (FG771)_*Stereum hirsutum*

CCTAACTCCAACCGCATCGTGACCGCTTCTCAGGATCGCAACGCATACGTGTGGCAAC
AGACCCCGACCCTCAGACCGGTGCTACCATCTGGAAGCCCACCCTCGTCTACTGCG
GATCAATCGCGCCGCAACGTTTCGTTCCGGTGGAGCCCCAATGAAGACAAGTTCGCCGTT
GCGAGCGGTGCTAGGTACGTGCATGTTTCGTGGTGGTTTTGCCAGGTGCTGAAGCAACT
CTTAGGGCTATCGCCATATGCTCGTTCGATCCGGACAACGATTGGTGGGTTTCGAGGCT
GCT

>Arc40 (FG771)_*Phanerochaete carnosae*

CCGAATTCCAATCGTATCGTCACTTCCGCCAGGATAGAAACGCATATGTCTGGCAGCA
GACTCCTGACCCACAGACCGGACGCTCGATCTGGAAGCCTACGCTTGTGCTTCTCCGC
ATCAACCGCGCTGCGACGTATGTGAAGTGGAGTCCCAACGAGGATAAGTTTGTGTGG
CCAGTGGTGTCTCGGTGCGTACCCCTGGAGGCACAAGAGGCACACGAGCTAACAGGCC
TGTAAGTGTATCGCCATTTGCTCGTTTTGATCCCGAGGGCGACTGGTGGGTTTTCCCGTCT
CTT

>Arc40 (FG771)_*Trametes versicolor*

CCGAAGTCCAACCGCATCGTACGTCACGTCCGCTCAGGATCGGAACGCGTACGTCTGGCAGC
AGAGCCCTGACCCGCAGACGGGGCATATGATTTGGAAGCCGACGCTCGTCTTGCTGCG
CGTGAACCGCGCAGCGACGTACGTGCGATGGAGCCCGAACGAGGACAAATTTGCGGT
GGCGAGCGGCGCTCGGTATGTCTCCTCGCCCTCGTATTTTATGCAGCTCCTAACCGCTG
CGCAGTGCATTGCCATCTGCTCCTTTGATCCCGAGGGTGACTGGTGGGTGTACGCC
TGCT

>Arc40 (FG771)_*Gymnopus androsaceus*

CCCAACTCGAACCAAAATCGTAACGGCTTCTCAAGATCGGAATGCATACGTTTGGCAGC
AGACTCCCGATCCAGTGACCGGAAAGACTATCTGGAACCAACCTTGGTTCTCCTTAG
GATCAACAGAGCGGGCACCATGTACGATGGAGTCCTAAGGAAGACAAATTCGCTGTA
GCTAGTGGTGTCTCGGTGCGTCTTCAACAATCTGCTGGTTTTACCGATATCATTATTCTG
TAGTGCTATCGCTATATGTTTCCTTCGATCCCGAAAACAACCTGGTGGGTATCCAAATTGCT

>Arc40 (FG771)_*Laccaria bicolor*

CCGAATTCTAACCGCATCGTGACTTGTCTCAAGATCGCAATGCGTACGTTTGGCAGGA
GACACCCGACCCGGATACGGGAAAACCTTGTGTGGAAGCCAACCCCTCGTTCTGCTCAG

AATTAACAGAGCAGCGACCCATGTCAAATGGAGCCCTCTGGAGGATAAATTCGCTGTT
GCGAGTGGCGCACGGTATGACGTCTTTTCTATCGAGACTAAGGGATTACTTAACTACC
AGTGCGATAGCTATCTGCTCGTTCGATCCCGAGAACAACCTGGTGGGTATCAAAGCTGTT

>Arc40 (FG771)_*Agrocybe pediades*

CCCAGCTCCAACCGTATTGTCACCTTGCTCGCAGGACAGGAACGCATATGTCTGGCAAG
AGCAGCCAGACCCTGAGACGGGCAGGCTTGTCTGGAAGCCCACTCTTGTGTTGCTCA
GGATCAATAGGGCGGCGACTTATGTCAAAGTGGAGCCCTAGGGAGGACAAGTTCGCTGT
GGCCAGCGGTGCTCGGTATGTTGCGTTTCTATGATAGATGGATTTGTTCTTTTTCGTGTA
ACAGAGCTATCGCCATTTGTTTCGTTTCGATCCCGAGAACAACCTGGTGGGTCTCCAAGTT
GCT

>Arc40 (FG771)_*Gymnopilus chrysopellus*

CCTAATTCCAATCGTATCGTCACTTGCTCTCAAGACCGCAATGCATATGTATGGCAAGA
ACAGCCTGACCTGGAGACCGGCAAATTGATCTGGAAGCCGACTCTTGTGTTGCTGAGG
ATCAATAGGGCGGCGACTCATGTCAGATGGAGTCCCAAGGAGGATAAGTTTGCTGTAG
CCAGCGGCCAGGTGCGAAAACGATACAGCCCCTGACAGATGGCACTAACCTTTCT
AAAGGGCTATCGCGATCTGTTCTTTGATCCAGAAAACAACCTGGTGGGTATCGAAATTG
CT

>Arc40 (FG771)_*Tricholoma matsutake*

CCAAATTCCAATCGCATTGTTACTGCGTCTCAAGATAGGAACGCATATGTCTGGCAAGA
GGCGTAGATTCAGAGACGGGCAAATTCGTGGAACCGACCCTCGTGCTACTAAGG
ATCAACAGAGCTGCCACTCATGTCAGATGGAGCCCCATGGAGGACAAGTTTGCTGTAG
CGAGTGGGGCGCGGTAATTATCATGCATATCATATCATTGAGGATACTGAACAAGAAAC
AGTGCGATCGCAATCTGTTCTTTGACTCGGAAAATAATTGGTGGGTGTCAAAGCTCCT

>Arc40 (FG771)_*Gautieria morchelliformis*

CCAAATTCGAACCGCATTGTGACCGCCTCCCAGGACAGGAATGCCTACGTTTGGCAGC
AGGCCCGGATCCGTCCACAGGCCAGACCATCTGGAAACCCACCCTCGTCTTACTTAG
GATCAACAGGGCCGCAACCTTCGTGAGGTGGAGTCCACTGGAAGACAAGTTTGCCGT
TGCCAGCGGTGCTCGGTGCATATTATTATACAGAACCCACAGTAATCCTTCTGATTCTTA
ATAGTGCCATCGCTATCTGCTCCTTTGACCCAGAGAATGATTGGTGGGTCTCAAGGCTG
CT

>Arc40 (FG771)_*Ramaria acris*

CCAAATTCCAATCGCATCGTACCGCTTCTCAGGATAGGAATGCTTATGTCTGGCAACA
GACTCCTGACCCCTCTACTGGACAACTATCTGGAAACCAACGCTGGTTTTGCTGAGG
ATAAACAGGGCGGCGACTGCTGTGATGAGTCCACTAGAAGATAAGTTTGCCGTTG
CCAGCGGTGCTCGGTATGATTCTTTATTCAAACGTCGTATTTATTGACTATGGCAGC
GCCATTGCCATTTGTTCTTCGACCCAGAGAATGACTGGTGGGTGTGCGAGACTGTT

>Arc40 (FG771)_*Boletus edulis*

CCGAAC TCAAACCGCATCGTGACAGCATCGCAGGATCGCAACGCCTACGTTTGGTCCC
AATCGCCGGATCCACTCACGGGAAAGATGATGTGGAAGCCGACGCTCGTGCTGCTGCG

TATCAACAGAGCGGCCACGTTTCGTTTCGATGGAGCCCAAACGAAGATAAATTTCGCAGTG
GCGAGTGGTGCCAGGTACGATTTACCATCGTGGGTGTCTAGAGGTCTGCTGACGTCAT
GGTAGAGCCATCGCCGCTGTTTCGTTTCGACGCCGAGAACAATTGGTGGGTTCGCAAAC
AGTT

>Arc40 (FG771)_*Pluteus cervinus*

TCTTCTTCCAATCGCATCGTCACTGCATCGCAAGATCGTAACGCCTATGTCTGGCAGCA
GACAGCGGATGCCGACGGCAAGATAGTTTGGAAAGCCAACCCTCGTTTTGCTTCGAATT
AACAGAGCAGCGACCCATGTTTCGCTGGAGTCCCAAGGAAGACAAATTCGCAGTAGCT
AGTGGTGCCAGGTTTCGTTTTCGTTTTCGCCCCCTGGGATGTACCACCTCCTCATCAACAGGG
CCATTGCCGCTGCTCGTTTCGATCCTGAGAATAACTGGTGGGTTTCAAAACTTCT

>Arc40 (FG771)_*Fomitiporia mediterranea*

CCCAACTCTAACCGTATCGTAACTGCATCGCAAGACAGAAATGCATATGTGTGGACCCA
AATCCCCGATCCTCAGACGGGACATCTGATTTGGAAGCCGACGCTTGTGCTCCTGCGTA
TCAACCGTGCTGCAACTTACGTTTCGGTGGAGCCCCTATGAAGATAAGTTTCGCCGTCGC
AAGCGGTGCTCGGTAAGATACTCGACATTCACCTGTCCTTGTCTCATGGTTCTTACAT
AGAGCTATTGCTGTCTGTTCTTTCGATCCAGAAAGTGACTGGTGGGTCTCTAAGCAACT

>Arc40 (FG771)_*Serpula lacrymans* var. *lacrymans*

CCGAACTCGAACCCTATCGTTACAGCATCGCAAGATCGCAATGCATATGTGTGGCAGCA
GAGCCCAGATCCTCAAACCGGTAATAATGGTCTGGAAGCCGACCTTGGTGCTGTTGCGG
ATTAACAGGGCTGCTACGTTTCGTTCCGTTGGAGTCCGAACGAAGATAAGTTTGCTGTTG
CCAGTGGTGCTCGGTAAGCTATTGTTTCTTAGTTTTGAGCGCAAGGTTATATTCCTCATT
AGGGCGATTGCAGTCTGCTCTTTTGATTCCGAGAATAACTGGTGGGTTGCTAGGCTCTT

>Arc40 (FG771)_*Amanita muscaria*

CCGACTACGAATCGCATCGTACGGCATCTCAAGATAGGAATGCTTATGTATGGCAAGA
AACTCCGGATCCAGAGACAGGAAAGTTGATCTGGAAGCCAACCTCTTGTGTACTACGA
ATCAATCGCGCCGCTACTTATGTCCGGTGGAGTCCGAAGGAAGACAAGTTTGCAGTGG
CCAGTGGAGCACGGTAATGACGGTTAATACTGTGCGCATTATTGACTCTGACTTAG
GGCTATCTGTGTCTGCTCGTTTGATTCCGAAAGCAACTGGTGGGTTTCTAAGCAGCT

>Arc40 (FG771)_*Agaricostilbum hyphaenes*

CCTCGCACCAACCGCATCGTCACTTGCTCCCAAGACCGCAACGCTTACGTTTGGACGG
CACAAGACCAGCAGAACTCTACTTGGAAAGCCTACGCTCGTCCTTTTGCGTCTCAATAG
ATCAGCTACTTGCCTCAAATGGTCGCCTACTGAATCCAAGTTCGCCGTAGGCTCTGGAG
CCAGGGCGATTGCCATCTGCACCTTTGATGAGGAGAGCGACTGGTGGGTTGCCAAGCA
CAT

>Arc40 (FG771)_*Rhizopus microsporus*

CCTAAAACGAATCGTATCGTTACCTGTTTCAAGATAGAAACGCTTACGTCTGGACGAA
TGAAGGAGGTGTTTGGAAAGCCAGGACTTGTCTTGCTACGTATCAATCGTGCAGCTACTT

TCGTTTCGTTGGTACCCGATGAACAAAAGTTTGCTGTTGCCAGCGGTGCCCGCTGTATT
TCCGTCTGTTATTTTGAAGGAGATAATGATTGGTGGGCTAGTAAACACTT

>Arc40 (FG771)_*Neurospora crassa*

CCCAACACCGGGCGTATTGTGACCTGCTCTCAAGACCGCAACGCCCTCGTCTGGGAAC
CCTCCCCACCGGCTACAAGCCCACCTCGTGCTCCTCCGTATTTCCCGCGCCGCCACC
TTCGTCCGCTGGTCTCCCTCGGAAGCCAAGTTCGCCGTCGGCTCCGGCGACCGCGTCA
TCGCCATCTGCTACTTTGAGGAGGAAAACGACTGGTGGGTATCCAAGCACCT

>Arc40 (FG771)_*Asperigillus triticus*

CCTAACAGTGGCCGCAATTGTCACCTGCTCTCAAGATCGCAACGCATACGTCTGGGAGC
GAACCCCCACTGGCTGGAAGCCTACCTTGGTTCTCCTGCGGATCAACAGGGCTGCTAC
CTTTGTGCGATGGTCTCCGTCGGAGCAGAAGTTTGC GGTTGGATCAGGGGCTCGCGTG
ATCGCCGTCTGCTACTTTGAGGAGGAGAACGACTGGTGGATCTCGAAGCATCT

>Atp2 (FG459)_*Gymnopilus chrysopellus*

GGTACCGAAGGTCTCGTACGTGGCACCAAGGTTGTTGACACCGGTGCCCCCATCATGG
TTCCCGTCGGAACGTACTACCCTCGGCCGTATCATGAACGTCATTGGTGAGCCATTGAC
GAGCGTGGCCCCATCAAGGGTGTCAAGCTCTCCCCATCCACGCCGACCCCCGGCCT
TCGTTGACCAGTCCACCCTGCTGAGGTGTTGGAGACTGGTATCAAGGTCGTGACCT
TCTTGCTCCCTACGCTCGTGGTGGAAAGATTGGTCTCTTCGGTGGTGCCGGTGTCCGA
AAGACTGTGTTG

>Atp2 (FG459)_*Coprinopsis cinerea*

GGTACTGAGGGTCTCGTCCGTGGTGCCAAGGTCGTGACACCGGTGCTCCCATCATGG
TCCCTGTGCGCAAGGGCACTCTCGGTCGTATCATCAACGTCATTGGCGAGCCATTGAC
GAGCGTGGCCCCATCAAGGGCGAGAAGATGTTGCCATCCACGCCGACCCCCCTGCTT
TCGTCGACCAGTCCACGACCGCTGAAGTTTTGGAGACCGGTATCAAGGTCGTGATCT
CCTCGCTCCTTACGCTCGTGGTGGAAAGATTGGTCTCTTCGGTGGTGCTGGTGTCCGA
AAGACTGTGCTC

>Atp2 (FG459)_*Hygrophoropsis aurantiaca*

GGTACCGAAGGTCTCGTTCGTGGACAAAAGGTTGTCGATACTGGTGCCCCATCCAAA
TCCCCGTCGGTGTGCTACTCTCGGCCGTATTATGAACGTCATTGGCGAGCCTATTGAC
GAGCGTGGTCCATCAAGGGTGTCAAACCTCTGTCCCATTACGCTGACCCCCGCCATT
TGTTGACCAGTCGACAACTGCCGAGGTTTTGGAGACCGGTATCAAGGTCGTGACTTG
CTTGCTCCCTACGCCCGTGGTGGAAAATGGTCTTTTCGGAGGTGCTGGTGTCCGCA
AGACTGTGTTG

>Atp2 (FG459)_*Trametes versicolor*

GGTACCGAGGGTCTCGTCCGTGGGCAGAAGGTTGTCGACACGGGTTCCGCCATTCCGA
TCCCCGTCGGCGCTGCTACCCTTGGCCGTATCATGAACGTCATTGGCGAGCCATTGAC
GAGCGTGGTCCATCAACGGTGTCAAGCTCTCCCCATTACGCGGAGCCCCCTCCCT
TCGTCGACCAGTCGACGACTGCCGAGGTCTGGAGACGGGTATCAAGGTTGTCGACCT

GCTCGCCCCCTACGCTCGTGGTGGAAAGATCGGTCTCTTCGGAGGTGCTGGTGTCCGGC
AAGACTGTGTTG

>Atp2 (FG459)_*Fomitopsis pinicola*

GGTACCGAGGGTCTCGTCCGTGGGCAGAAGGTAGTCGACACGGGTTACCTATCAAGA
TCCCCGTTGGCACTGCGACTCTTGGCCGTATCATGAACGTCATTGGCGAGCCCATCGAC
GAGCGGGGTCCCATCCAAGGTGTCAAGCTGTCCCCCATCCACGCTGACCCTCCGGCTT
TCGTGGAGCAGTCCACGACTGCTGAGGTCTTGGAGACCGGTATCAAGGTCGTCGACCT
GCTTGCTCCCTACGCTCGTGGTGGAAAGATTGGTCTTTTCGGCGGTGCCGGTGTCCGGC
AAGACTGTGTTG

>Atp2 (FG459)_*Schizophyllum commune*

GGTACCGAGGGTCTCGTCCGTGGGCAGAAGGTGTCGTCGACACCGGTGCCCCCATCCAGA
TTCCTGTCCGCAAGGCCACCCTCGGCCGTATCATGAACGTCATCGGCCGAGCCCATTGA
CGAGCGTGGTCCCATCAAGGGCGACAAGCTTCTCCCCATCCACGCCGACCCGCCCGCG
TTCGTCCGACCAGTCGACCACCGCTGAGGTCTTGAGACCGGTATCAAGGTCGTCGACC
TCCTCGCCCCGTACGCCCGTGGTGGCAAGATCGGTCTCTTCGGAGGTGCCGGTGTCCGG
CAAGACGGTGTGTTG

>Atp2 (FG459)_*Phanerochaete carnosae*

GGTACCGAGGGTCTCGTCCGTGGTCCAGAAGGTGTCGTCGATACCGGTGCTCCCATTCAGG
TCCCTGTTGGCAAGGGCACTCTCGGCCGTATCATGAACGTCATTGGTGAGCCCATTGAT
GAGCGTGGTCCAATCAAGGGCGACAAAGTCTCCCCATTACAATGACCCGCCCTCCAT
TCGTCGAGCAGTCGACCACCGCTGAGGTCTCGAAACCGGTATCAAGGTCGTTGACCT
TCTCGCCCCCTATGCCCGTGGTGGAAAGATTGGTCTCTTCGGTGGTGCCGGTGTCCGGC
AAGACTGTACTT

>Atp2 (FG459)_*Auricularia delicata*

GGTACCGAGGGTCTCGTACGTGGCCAGAAGGTGTCGTCGACACCGGCGCTCCCATCAAGA
TCCCCGTCGGCCGCGGCACCCTTGGGCGTATCATGAACGTCATTGGCGAGCCCATCGA
CGAGAGGGGGCCCCATCAAGGCCGAAAAGTCTCCCCATCCACGCGGACCCCCCGGC
CTTCGTCCGACCAGTCTACAACGGCTGAGGTCTCGAGACCGGCATTAAGGTCGTCGAC
CTCCTCGCCCCGTACGCTCGTGGTGGCAAGATCGGTCTCTTCGGTGGCGCCGGTGTCCG
GCAAGACTGTGCTC

>Atp2 (FG459)_*Mycena crocata*

AGTACCGAGGGTCTCGTGC GCGGCCAAAAGTTCGTCGACACCGGTGCTCCCATTCCTCG
TCCCTGTCCGCTCTGCTACCCCTTGGTTCGTATCATGAACGTCATTGGTGAGCCTATCGAC
GAGCGTGGACCCATCAAGGGCGTCAAGCTCAGCCCCATCCACGCCGACCCCCCGCCAT
TCGTCCGACCAGTCTACCACCGCCGAGGTGCTTGAGACCGGTATTAAGGTTGTCCGACCT
CCTCGCTCCCTACGCTCGTGGTGGAAAGATTGGTCTGCTTGGTGGCGCCGGTGTCCGG
AAGACCGTGTGTTG

>Atp2 (FG459)_*Laccaria bicolor*

GGTACCGAGGGTCTCGTCCGTGGAACAAAAGTGGTTGATACCGGCTCCCCATCATGG
TTCCAGTTGGCACGGCTACGCTCGGACGTATCATGAACGTCATTGGAGAACCCATTGAT
GAGCGTGGCCCTATCAAGGGCGTCAAACCTCTGCCCATTCACGCTGACCCTCCCCCT
TCGTCGACCAGTCGACGACTGCTGAGGTTTTGGAAACTGGTATCAAGGTCGTTGATCT
CCTCGCTCCTTATGCTCGTGGTGGAAAGATTGGTCTGTTTGGAGGTGCCGGTGTAGGA
AAGACTGTGTTG

>Atp2 (FG459)_*Agrocybe pediades*

GGTACAGAGGGTCTTGTTCGTGGAACCAAGGTTGTCGACACCGGCAACCCCATCATGG
TTCCCGTCGAACTGCTACTCTCGGACGTATCATGAACGTCATCGGTGAGCCATTGAT
GAGCGTGGTCCATCAAGGGTGTAAAGCTCTCCCCATCCACGCTGAGCCTCCTCCCTT
CGTCGACCAGTCCACTACCGCTGAGGTCCTCGAAACCGGTATTAAGGTCGTCGATCTC
CTCGCTCCTTACGCTCGTGGTGGAAAGATTGGTCTCTTCGGAGGTGCCGGTGTGGAA
AGACTGTGTTG

>Atp2 (FG459)_*Agaricus bisporus* var. *burnettii*

GGTACCGAGGGTCTTGTCCGTGGTACAAAGGTCATTGATACCGGTGCCCCATCCAAAT
TCCCGTCGGCAAGGCCACTTTGGGTGCGATTATGAACGTTATTGGTGAGCCATTGACG
AACGTGGCCCCATCAAGGGTGTCAAGCTCTCTCCGATTCATGCCGAGCCTCCCGCTTTC
GTCGACCAAGCAACGACTGCCGAGGTCTTGGAGACTGGTATCAAGGTCGTCGATCTCC
TTGCTCCCTATGCTCGTGGTGGCAAGATTGGTCTCTTCGGCGGTGCTGGTGTGGCAAA
ACTGTCTTG

>Atp2 (FG459)_*Stereum hirsutum*

GGTACCGAGGGTCTCGTCCGTGGCCAAAAGGTCATCGACACTGGTGCTCCTATCCAGA
TTCCCGTTGGCCGTGACACTCTTGGTTCGTATCATGAACGTCATTGGTGAGCCTATCGAC
GAGAGGGGTCCATCAAGGGTGTACCCGCAAGCCCATCCACGCCGACCCTCCTGCTT
TCGTCGACCAGTCCACGACCGCTGAGGTGCTCGAGACCGGTATCAAGGTCGTCGATCT
TCTTGCCCCCTACGCCCGTGGTGGAAAGATTGGTCTCTTCGGAGGTGCTGGTGTGGC
AAGACCGTGTG

>Atp2 (FG459)_*Gymnopus androsaceus*

GGTACAGAGGGTCTCGTTTCGTGGGCAAAAGGTTGTTGACACTGGTTCTCCATTCTCG
TTCCCGTTGGAACCTGGCACTCTCGGTCGTATCATGAACGTCATTGGTGAACCCATTGAC
GAGCGTGGTCCATTAAGGGTGTAAAGCTCTGCCCATCCATGCTGACCCTCCGCCATT
CGTCGAGCAATCCACGACTGCCGAGGTTCTTGAAACCGGTATCAAGGTTGTCGACTTG
CTTGCTCCCTACGCTCGTGGTGGAAAGATTGGTCTTTTCGGAGGTGCTGGTGTGGAA
AGACTGTCTTG

>Atp2 (FG459)_*Lactarius quietus*

GGTACCGAAGGTCTTGTTCGTGGTCAAAGGTCGTGGACACAGGGTCCCCATTCAA
TTCCCGTTGGCCGCGATACTCTCGGCCGATTATGAACGTCATTGGCGAACCCATCGAC
GAGCGCGGTCCATCAAGGGTGTGTTTCGCATGCCGATCCATGCCGACCCTCCTGCCTT
CGTAGAGCAGTCGACGACTGCTGAAGTGCTTGAGACCGGTATCAAAGTGGTTGACCTC

CTTGCTCCTTACGCTCGTGGTGGCAAGATTGGCCTTTTCGGTGGTGTGGTGTGCGGCAA
GACGGTTTTA

>Atp2 (FG459)_*Pluteus cervinus*

GGTACGGAAGGTTTGGTCCGTGGAACCAAGGTTGTGGACACTGGTTCTCCCATCCAGG
TCCCCGTCGGCAAGGCCACTCTCGGTCGTATCATGAATGTCATTGGTGAACCCATTGAC
GAGCGCGGTCCCTATCATTGGTGTCAAGCTCTCTCCCATCCACGCTGACCCCCCAGCATT
CGTCGAGCAGTCCACTACTGCTGAGGTCCTTGAAACCGGTATCAAGGTTGTGACTTG
CTTGCTCCCTACGCTCGTGGTGGAAAGATTGGTCTCTTCGGTGGTGCCGGTGTGCGGAA
AGACTGTGTTG

>Atp2 (FG459)_*Serpula lacrymans* var. *lacrymans*

GGTACAGAAGGTCTCGTTCGTGGCCAAAAAGTGATTGATACCGGTGCACCCATTCAAA
TTCCTGTTGGCGTTGCTACTTTGGGCCGTATCATGAACGTTATTGGTGAGCCAATCGAC
GAACGTGGGCCTATCGTTGGTACCAAGTTGTCACCTATTCACGCCGACCCTCCTCCTTT
CGTTGACCAATCGACTGCTGAGGTATTGGAGACCGGTATCAAGGTTGTGGACTTG
CTCGCTCCTTACGCTCGTGGTGGAAAGATCGGTCTTTTCGGTGGTGTGGTGTGCGGCA
AGACTGTGTTA

>Atp2 (FG459)_*Boletus edulis*

GGTACGGAGGGTCTCGTCCGTGGACAGAAGGTCGTAGACACTGGTGCTCCCATTCAAA
TCCCTGTTGGCACTGCAACTCTGGGCCGAATCATGAATGTCATCGGAGAACCCATTGA
CGAACGTGGACCCATCAAGGGTGTCAAGCTTTGCCCCATTCATGCTGACCCACCCCA
TTCGTTGACCAATCGACTACTGCTGAAGTCCTCGAAACGGGTATCAAAGTTGTGACCC
TTTTGGCTCCCTATGCACGTGGTGGAAAGATTGGTCTTTTCGGCGGTGCTGGTGTGCGC
AAAACGTGATTG

>Atp2 (FG459)_*Amanita muscaria*

GGTACAGAAGGTCTTGTCCGTGGTGCCAAAGTCGTTGACACTGGTGCTCCCATCATGG
TCCCCGTCGGAAAGGGTACACTTGGACGGATCATGAACGTCATTGGCGAGCCTATTGA
CGAACGTGGACCTATCAAGGGCACTAAGCTCAGCCCCATCCATGCTGACCCGCCTGCA
TTCGTGGAGCAATCCACGACTGCTGAGGTCCTTGAAACTGGTATCAAAGTCGTGACCC
TCTTAGCTCCCTACGCTCGTGGTGGTAAAATTGGTCTCTTCGGTGGTGCGGGTGTGCGC
AAGACCGTGTTG

>Atp2 (FG459)_*Fomitiporia mediterranea*

GGTACCGAAGGTCTTGTTCGCGGTCAGAAGGTCGTTGACACCGGAGCTCCCATCCGTA
TTCCTGTTGGAAAAGAGACCCCTTGCCGTATTATGAACGTCATCGGCGAACCTATTGAC
GAGCGTGGTCCGATCAAAGGCGTGAAATTGTCACCCATCCACGCGGAGCCGCCGCCAT
TCGTTGACCAGTCAACGACTGCTGAGGTAATTGAAACGGGTATCAAGGTTGTTGATCT
TCTAGCACCGTATGCCCGTGGTGGTAAAGATTGGTCTTTTCGGTGGTGTGGTGTGCGGCA
AGACTGTGCTT

>Atp2 (FG459)_*Marasmius fiardii*

GGTACCGAGGGTTTGGTCCGAGGACAGAAAGTTGTTGACACTGGTTCTCCTATCATGG
TTCCTGTTGGGTCCGGTACTCTTGGACGTATCATGAACGTCATTGGTGAGCCCATTGAC
GAACGTGGTCCCATCAAGGGTGTGAAGCTCAGTCCCATTACGCCGACCCTCCTCCAT
TCGTGGAGCAGTCTACCACCGCTGAAGTTCTTGAGACCGGCATCAAGGTTGTTGACTT
GCTCGCTCCTTACGCGCGAGGTGGAAAGATCGGTCTGTTTGGGGGTGCTGGTGTCGGA
AAGACCGTGTTG

>Atp2 (FG459)_*Tricholoma matsutake*

GGTACAGAAGGTCTCGTCCGAGGTACAAAGGTTGTGGACACCGGTGCTCCCATCATGG
TGCCCGTCGGCACTGCAACCCTCGGAAGAATCATGAACGTCATTGGCGAACCCATCGA
CGAACGTGGTCCCATCAAGGGTGTCAAACCTTTCTCCAATTCACACGGACCCGCCTCCA
TTCGTTGACCAGTCTACCACCGCCGAGGTCTTGGAGACCGGTATCAAGGTTGTGACC
TTCTGGCGCCTTATGCTCGTGGTGGAAAGATTGGTTTGTTCGGAGGTGCCGGTGTGCG
CAAGACCGTGTTA

>Atp2 (FG459)_*Ramaria acris*

GGTACTGAAGGTCTTGTCCGCGGCCAGAAGGTCATCGACACCGGGGCTCCAATTATGA
TTCCTGTTGGCAGTGGTACCCTCGGTCTGATTATGAATGTTATTGGTGAACCCATCGACG
AACGTGGTCTATTAAAGGCGTCAAGAAATCTCCATTACGCCGATCCTCCGCCATTC
GTTGACCAGTCAACGACCGCGGAAGTGCTTGAGACTGGTATCAAGGTTGTGGACCTTC
TTGCTCCCTATGCTCGTGGTGGCAAATCGGCTTGTTCGGAGGAGCTGGTGTGCGAAA
GACTGTGCTG

>Atp2 (FG459)_*Gautieria morchelliformis*

GGTACCGAAGGTCTCGTGCGGGGCCAGAAGGTCATCGACACCGGCGCGCCCATCATGA
TTCCTGTGCGCAGCGGGACACTTGGGCGCATCATGAATGTCATTGGAGAGCCCATTGA
CGAACGTGGACCCATCAAGGGAGTCAAAAAGTCCCCGATTCACGCCGACCCCCCGCC
CTTTGTGACCAATCTACCACCGCCGAAGTGCTCGAGACGGGTATCAAGGTCGTGGAT
CTCCTGGCTCCGTATGCCCGTGGTGGTAAAATTGGTCTATTCGGAGGTGCCGGTGTGCG
CAAGACAGTACTC

>Atp2 (FG459)_*Calocera cornea*

GGAACGGAAGGCTTGGTTTCGCGGTCAGAAGGTTGCGGATACCGGTTCCGCGATTAGG
GTTCCCTGTTGGCAAGGGCACGCTTGGTTCGCATCATGAACGTCATCGGTGAACCCATCG
ACGAACGCGGTCTTATTAAGGGAGACAAGCTCAACCCCATCCACGCGGAACCGCCTG
CGTTCGTGGAGCAGTCGACCACCGCCGAGGTCTTGAGACCGGGATCAAGGTCGTGG
ACCTCCTGGCGCCTTACGCTCGTGGTGGAAAATCGGTCTCTTCGGCGGTGCTGGTGT
TGGCAAGACCGTTCTC

>Atp2 (FG459)_*Dacryopinax primogenitus*

GGTACCGAAGGTTTGGTTCGTGGTCAGAAAGTTGCTGATACCGGCGCCCCGATTGAA
TTCCCGTTGGCAAGGGAACCTCGGCCGCATCATGAACGTCATTGGGGAACCAATTGA
TGAACGTGGTCCCATCAAGGGTGACAGGTTGAATCCCATCCACTCTGAGCCCCCGGCA
TTTGTGCATCAGTCGACCACCGCTGAAGTCCTTGAGACTGGAATCAAAGTTGTAGACC

TCCTTGCTCCTTACGCTCGCGGCGGGAAAATCGGCTTATTCGGTGGCGCTGGTGTAGGA
AAGACGGTGCTT

>Atp2 (FG459)_*Rhizopus microsporus*

GGTACTGAAGGTCTCGTCCGTGGTCAAAAGGTTGTTGACACTGGTGCTCCTATCACCA
TTCCTGTGCGTAAGGAAGTCCTCGGTCGTATCATCAACGTTATTGGTGAACCCATTGAT
GAACGTGGTCCCATCAACTCCAAGGCTCAACGTCCCATTACGCTGATGCTCCCGAAT
TCGTTGACCAATCCCCACTCCCCGAAATTCTTGAAACTGGTATCAAGGTTGTCGACTTG
TTGGCTCCTTATGCTCGTGGTGGTAAGATTGGTCTTTTCGGTGGTGCTGGTGTGCGTAA
GACTGTGTTG

>Atp2 (FG459)_*Aspergillus triticus*

GGTACTGAGGGTCTGACCCGTGGTGCTGCCGCCCGTGACACTGGTGCTCCCATCACCA
TCCCCGTGCGTCTGGCACTCTGGGCCGTATCGTCAACGTCACTGGTGACCCATTGAC
GAGCGTGGCCCCGTCAAGGCCGTCAAGCACGCCCCCATCCACACGGAGGCTCCCCC
TTCGTGAGCAGTCCACCGCTGCCGAGATTCTCGTCACTGGTATCAAGGTCGTGATCT
GCTTGCCCCCTACGCCGTGGTGGTAAGATCGGTCTGTTTCGGTGGTGCCGGTGTGCGT
AAGACCGTGTTT

>Atp2 (FG459)_*Neurospora crassa*

GGTACTGAGGGTCTCGTTCGTGGTGCCAAGGCCTCCGACAGTAAGCTTCTCTTTTGATC
CCCTGTGCGGCCCTGCCACCCTTGGCCGTATCATCAACGTCACTGGTGACCCCATCGACG
AGCGCGGTCCCATCAAGACCGACAAGTTCCGCCCTATCCACGCCGAGGCTCCCGAGTT
CGTTGAGCAGTCCACCACTGCCGAGATTCTCGTCACTGGTATCAAGGTCGTGATCTCC
TCGCCCCCTACGCTCGTGGTGGAAAGATTGGTCTCTTCGGTGGTGCTGGTGTGCGCAA
GACCGTCTTC

>Atp2 (FG459)_*Agaricostilbum hyphaenes*

GGTACCGAGGGTCTCGTCAGAGGCACCAAGGTCGTCGACACTGGCGCACCCATCACCC
ATCGCTGTGCGGCCCGAGTGCCCTGGTTCGTATCATCAACGTCACTGGTGAGCCCATTGA
CGAGCGTGGTCCCATCAACGCCAATGGACTACATAGTATTACGCTGAGGCACCCGCC
TTCACCGACCAGTCAACAGCCGCCGAGATTCTCGAGACCGGCATCAAGGTTGTCGACT
TGCTCGCCCCTTACGCCCGTGGTGGTAAGATTGGCCTGTTTCGGAGGTGCCGGTGTGCG
CAAGACTGTGCTC

>Atp3 (FG543)_*Schizophyllum commune*

ATTGCGTCTACCAAGTTGGCGAAGGCGCAGCGCGCCATGACCTCTGGGAAGGAGTAC
GGCGTCGCGAACACGGGTGCGTGCCCGGTCAGTCGCGCATTAGACGTGCCCTAACTCT
GCGCAGAGGTCTTCAACAACGCGAAGTCTGACCAGCCCCGGAGAACAAGATTGTTGT
CGTGATCTCCTCT

>Atp3 (FG543)_*Coprinopsis cinerea*

ATTGCGTCCACCAAGTTGAACAAGGCACAGCGAGCGATGCAGGCCGGAAAGGAATAC
GGTTTGGCCAACTCTGGTACGAAAACACGACATATACCCGACTAGCTATAACTAAACCA

TGAAACAGAGGTCTTCGAGCACGTCCCAACGGACAAGGCCGTGGCAAGAAGCTCTTC
ATCGTCATCTCGTCC

>Atp3 (FG543)_*Gymnopilus chrysopellus*

ATTGCGTCCACCAAGCTCGCCAAGGCTCAGCGAGCTATGGAGGCTGGAAAGCAATACG
GTATCGCCAACAAGGGTCAGTCCACCTCCTGTAACCACGTAAAATTTTCGTATCATTACA
CCCGCAGAGGTCTTCGAACACGTCCCCTCCGACAAGCCCCACCCAACAAGCTCTTCAT
CGTTGTCTCCTCT

>Atp3 (FG543)_*Agrocybe pediades*

ATTGCCTCCACCAAGTTGGCAAAGGCCAGAGGGCTATGGACGCCGGAAAGAAGTAC
GGTATTGCCAACAATGGTGCCTCGTCGCGCGGTTGATGTTTGGCCGTATGGTTAACGTG
GTTAATAGAGGTCTTCAACCACGTTCCTTCCGACAAGCCCCCCCCAACAAGCTCTTCAT
CGTCATCTCTTCC

>Atp3 (FG543)_*Pluteus cervinus*

ATTGCCTCGACGAAACTTGCAAAAGCCCAGCGGGCCATGCAAGCAGGCAAGGAATAC
GGACTGGCTAACAAGGGTGCCTTTAGACGGCTTTCGGAATGGTTAAATATGACGCTTTC
ACTTGCAGAGGTATTCCAACATGCCAACGATAAGCCCGTGCACGCAAGCTCTTCCTTG
TCGTTTCGTCG

>Atp3 (FG543)_*Amanita muscaria*

ATCGCGTCGACCAAGCTTGCAAAAGCCCAGCGCGCAATGCAAGCAGGAAAGCAATAC
GGGCTCGCAAACGCTGGCATGTTGTTAGCTTGCTTACGTCCAAACACGCATTGACCCTT
TGGCAGAGGTTTTCCAACATGCCGCGGACAAACCACCGCCAACAAGCTCTTTGTCTGTC
GTCTCTTCC

>Atp3 (FG543)_*Tricholoma matsutake*

ATCGCGTCAACCAAACTTTCGAAAGCTCAGCGAGCTATGCAAGCAGGCAAGCAGTATG
GACTGGCCAACGCTGGTAAGGAACTGATGATAAACTCACAATACGTTTCTCACACCC
ACACCAGAGGTTTTTTCGAACTCACCAGCGGACACACCCACCGCAAGCTCTTCAT
TGTAGTCTCCTCC

>Atp3 (FG543)_*Gymnopus androsaceus*

ATTGCTTCGACCAAGCTCGCCAAGGCTCAGAGGGCCATGCAGGCCGGAAAGCTGTAC
GGTGCAGCCAACGCTGGTCAGTAATCCTAAATTTGGTGACGGCAACTCATTCCTTAC
AGAGGTCTTTGAAACTGCAAAAGAGGGCGCGACTGCAGTCGCAAGCTATTCCTTGTCA
TCTCCTCC

>Atp3 (FG543)_*Marasmius fiardii*

ATTGCCTCTACGAAACTAGCAAAGGCTCAGAGAGCCATGCAAGCAGGAAAGGCATATG
GTCTTGCTAATGCTGGTACGTGACCGTTCTGCTCACGTTGGTCCCTTATTCCTACACCT
TTGTAGAGGTCTTCGATCACTCCAAGGATGACAAGCTCCAACCTCGTCGACTTTTCATCG
TCATCTCCTCC

>Atp3 (FG543)_*Hygrophoropsis aurantiaca*

ATTGCGTCCACCAAGCTTGCAAAGGCACAGCGTGCCATGAACAGTGGCAAGCAATATG
GTCTTGCCAACTCCGGTGTGTCCCGACACCATTAGTCTCGGACATGCATCACCATATTA
CATCCAGAGATATTGAAACACACTCCTTCCGAAACCCCGCCAAACGCAAACCTTTTCATC
GTCATTTCTCC

>Atp3 (FG543)_*Boletus edulis*

ATTGCGTCCACCAAGCTTGCAAAAGCGCAGCGTGCCATGAATGCAGGCAAACAATACG
GTATCGCCAACTCTGGTGCCTCCCGTTCACGTCTGTGTGACCGTGTAGACCCCTACCCGT
CACTCAGAAATTCTTGACCACACCCCTCAGAGACGCCTCCAAGCGCCAACTCTTCAT
CGTCGTCTCCTCG

>Atp3 (FG543)_*Fomitopsis pinicola*

ATCGCCTCAACAAAACCTCAACAAGGCTCAGCGTGCCATGCAAGCCGGCAAGCAGTAC
GGTATCGCGAACTCCGGTCCGTAGATTGATTCTATATTTCAATGACCTCTAACGCTGAGT
CCTATAGAGGTCTTCCAGCACGCCCCCGCAGAAGAGGCCGCAAGCGCAAGCTCTTCAT
CGTCATCTCTTCC

>Atp3 (FG543)_*Fomitiporia mediterranea*

ATTGCGTTCGACGAAACTGGCGAAGGCGCAGCGCGCATGCAAACCTGGCAAACAATAC
GGTGCTGCTAATAACCGGTGCGTGCATTTATTATTTGGCCGTGACACATTATACTCTCCTG
TGCGCAGAGATTTCCAGAATGCTCCTCCCAGGAAGGTCTAAACGCAAGCTCTATCT
TGTCATCTCCTCC

>Atp3 (FG543)_*Laccaria bicolor*

ATCGCTTCTACCAAGCTCGCAAAGGCCAGAGGGCTATGCAAGCGGGTAAAGCGTATG
GACTTGCCAACTCTGGTTCGTCTCTTTTTTTTCTCTCTCGTATATGTAACGCGGAAACG
AAACAGAGGTCTTCGCAAACGTCCCATCAGACAAACCACCCCAACAAACTCTTCGT
CGTCATCTCTTCC

>Atp3 (FG543)_*Agaricus bisporus* var. *bisporus*

ATTGCTTCTACCAAACTCGCAAAGGCTCAGAGGGCAATGAATGCCGGAAAGCAGTATG
GTATCGCCAAACGCGGGTATGTTTTTACCCTTTTGACTTGGTACACTCTGTCTATCCTTT
CTACAGAGGTCTTTGCCAACACTCCTTCTGATAAACCACACCAACAAAACCTCTTCATC
GTTGTATCGTCC

>Atp3 (FG543)_*Serpula lacrymans* var. *lacrymans*

ATTGCTTCGACCAAACTTGCCAAAGCACAACGCGCCATGCAAAGCGGCAAGCAGTAC
GGTCTCGCTAACTCTGGTGAAGTTTGTCTTGATATTACACTTTGTAGATATATATCTTTTT
CAGTGGTTTTCGAAAATGCAACCGCTGAGAACCACCAAGCGCAAGCTCTTCATTGTG
GTTTCGTCC

>Atp3 (FG543)_*Phanerochaete carnosae*

ATCGCCTCGACAAAACCTCAACAAGGCGCAGCGCGCTCCAGGCGGGCAAGGAGTAC
GGCATCGCGAACTCTGGTGCGCCCCACGCAACTCGCCCGAGAACCGACGCCATCTTCT
TCCCTGCAGAGGTCTTCCAGCACGCGCCCGCGAAAACGTTGCAAGCGCAAGCTCTT
CATCGTCATCTCGTCC

>Atp3 (FG543)_*Trametes versicolor*

ATTGCGTCCACAAAATGACCAAGGCGCAGCGTGCGATGCAGGCGGGTAAGGCGTAC
GGCCTTGCCAACTCAGGTACGTTACTTTCGTTGGAACGTGTAACCTCCTCATAATGG
CGTGCAGAGCTCTTCCAGCACGCGACCGCTGAGGATGCTGCAAGCGCACCCCTGTTCT
CGTCATCTCGTCC

>Atp3 (FG543)_*Ramaria acris*

ATTGCCTCCACTAAGCTGAACAAGGCTCAGCGTGCCATGACAGTCGCAAAAGCATAACG
GCTCTTCAAACAATGGTGTGTCGGGTTTGGTAGGAGATTGTCGTGTAGTTATTTATCTG
GTGCCAGAGCTGTTAAACACGCGTCTGCGGATGGCTCGCTCAACGGAACTCTTTGT
GGTCGTTTCTTCA

>Atp3 (FG543)_*Calocera cornea*

ATTGCCTCGACGAAACTGGCTCGTGCCCAGCGCGCCATGAACGCCGCCAAGATCTACG
GCATTGCCAACACCTCCGTGTACGAGCATGCTGAGGCAGAGAAGACCGAGTCTGAGG
GCAGACAAAGAAGCTGTTTCATCGTCCG
TCTCCTCC

>Atp3 (FG543)_*Dacryopinax primogenitus*

ATTGCCTCGACGAAGCTGGCTCGTGCGCAGCGCGGATGACATTTGCCAAGTCGTACG
GCATTGCCAATACTTCAATCTATGAGCACTCCGAGGCCGAGAAGACCGAGACCGAGGG
AAGAAGAAGAAGCTCTTTATTGTGATATCATCC

>Atp3 (FG543)_*Auricularia delicata*

ATCGCGTCGACGAAGCTGAACCAGGCGCAGCGCGCAATGCTCGCGGCCAAGGAGTAC
GGCATCGCCAACGCCGAGGTCAGCCAGCACGCGACGGCGGATGAGGAGGCAAGCGC
CGGCTCTTCGTCGTCATCTCGTCC

>Atp3 (FG543)_*Mycena crocata*

ACAGCGAGCACGAAGTTGGCAAAGGCTCAGCGCGCCATGGCTGCTGGCAAAGCAGTAT
GGAATTGCAAACCTCCGGTGCCTTGGCTTAATTTTGAAAATCTCCAGTTCTTACAAACG
ACGAACAGAGGTTTTTCGCCATTCCACCTCGGCTTCTCCCTCAAACAAGCTGTTCC
TTGTCATATCCTCC

>Atp3 (FG543)_*Stereum hirsutum*

ATTGCGTCCACGAAATTGGCCAAGGCCAGCGCGCCATGCAGAACGGCAAGGAGTAC
GGCCGTGCCAACACGGTCCGTTTCTCCTCAATCAGTGCACAAAATATATCCACACAA
CTCTATCAGAGGTCTTCGCTAACTCTACCTCCGAGGAAGTCCGAAGCGCAAGCTCTTCA
TCGTCATCTCCTCC

>Atp3 (FG543)_*Rhizopus microsporus*

ATTGCTTCCACCAAGGTCAACAAGGCTCAACGTAGTATGGAAGCTGCTCGTGCTTTTCG
GTGCTGCTTCTACCTGTAGAGTATAACAATTATAGAGGGGGAATTAAGTACACAAATTC
ATGATAGCTCTCTTTGAAAATGCTGAAACCAAGGCTGCTATGCCAAGGTTCTCTTCATT
GCCTCTTCTCT

>Atp3 (FG543)_*Neurospora crassa*

GTTGCCTCGACCAAGCTCAACCGCGCCAGCGTGCCATGACCGAGTCCC GCGGCTACG
GTGCCACCAGCAACGAGGTCTTCACCTCGGAGACTAAGCCTCTCGAGGCTGAGGCAA
GAAGAAGCTCGTCGTCGTCTGCTCCTCC

>Atp3 (FG543)_*Asperigillus triticus*

ATCGCCTCGACCCGTCTGACCCGTGCCAGAAAGGCCATGGACGACTCCCGTGCCTACG
GTCAGACTTCCAACACCGTCTTCAAGGAGGCCGAGACCAAGGCCCTTACAAGAAGAC
TCTGCTCGTTGTGCGCCAGCTCC

>Cct2 (FG644)_*Tricholoma matsutake*

GTCTTTGGGGCCAGAGTCAAGGTAGACGGGACGGGGAAGCTTGCAGAACTTGAGCGC
GCAGAACGGGTGGGTGACCTGTGTTGTTGAAAGGACAATACTCCGTGCGCAGGAAA
AAATGAAAGCCAAAGTAGATGCTATCGCTGCTCATGGAATTAAGTCTTCGTGAACCG
ACAGCTGATCTACAATACTACCCTGAATCACTCCTGGCGGAGAGGGGCATCATGGTTATTG
AACATGCCGATTTTGAGGGTGTGGAGCGACTATCGCTTGTGACTGGCGGCGAAATTGC
CAGTACGTTTGATCGGCCGACCTGTGAAACTCGGGCAATGTGAGTTGAT

>Cct2 (FG644)_*Phanerochaete carnosae*

GTCTTCGGCGCACGTCTGAAGGTTGACAGCACAGGCAAATACTCGCCGAAGTTGAGCGC
GCGGAGCGTGTACGTGTATTTTAAAATACTGGCATGGTTGCTAACTGCTGTGAAGGAAAA
AATGAAGGCGAAGGTAGACGCCATTGCAGCACATGGAATCAACTGCTTCGTCAACCGG
CAGCTTATCTACAATACTACCCTGAGTCCCTGCTCGCGGAAAGGGGCATTTTGGTTATTGA
ACATGCCGATTTTCGAGGGCGTCAACGGCTTTTCGCTCGTGACCGGTGGCGAGATTGCC
AGTACCTTCGACAGACCAGATCTGTCAAGTTTGGACACTGCGAGCTCAT

>Cct2 (FG644)_*Schizophyllum commune*

ATCTTCGGCGCGCGCGTCAAGGTGACGCGCACGGGCAAGCTCGCAGAGCTAGAGCGT
GCAGAAAGGGTACGTCAAATAGCGAAGTGGTACAATGCGCCACAGGAGAAGATGAA
GGCGAAGGTGACGCGATCGCGGCGCACGGGATCAACTGCTTCGTCAACCGACAGCT
GATCTACAATACTACCCGAGTCCCTGCTCGCCGAGAAGGGCATTATGGTCATCGAGCAC
GCTGACTTCGAGGGCGTTCGAGCGGTTATCACTCGTCACCGGCGGTGAGATTGCCAGTA
CGTTCGACAGCCCAGAGAAGTCAAGCTCGGCCACTGCGAGCTGAT

>Cct2 (FG644)_*Fomitopsis pinicola*

ATCTTCGGAGCGCGTGTGAAGGTGACAGCACAGGGAAGCTCGCTGAACTCGAGCGT
GCGGAACGGGTACAGACTACACCGTATGCCGATGATTGCACACATGTGGGCAGGAAAA

AATGAAGGCGAAGGTTGAGTCGATCGCGGCGCACGGAATCAACTGCTTCGTCAACCG
GCAACTCATCTACAACCTACCCAGAGTCACTATTGGCCGAGAAGGGTGTCTGACCATC
GAGCATGCCGACTTCGAGGGCGTGGAGCGATTGTGCTCGTCACTGGTGGCAAATTGT
AAGCACGTTTGACCGCCCTGATCTGTGAAGCTTGGCCGCTGCGAGCTCAT

>Cct2 (FG644)_*Gymnopilus chrysopellus*

ATCTTCGGTGCTCGCGTCAAGGTCGACAGCACAGGGAAGCTTGCTGAGTTGGAACGG
GCTGAACGAGTAAGTGATCATCCACCCATTGCTGTCCTTTTATCTTTGTTTCAGGAAAA
ATGAAGGCCAAAGTTGAGGCTATTGCTTCCCATGGCATCAATTGCTTCGTGAACAGGC
AGCTGATTTACAACCTACCCGGAGTCGCTGCTATCTGAAAAGGGGATCTTGGTCATTGAG
CACGCCGACTTCGATGGTGTAGAAAGATTATCGCTGGTTACTGGCGGAGAAATTGCGA
GCACGTTTCGATAGGCCAGATCTGTCAAACCTCGGTCCTGCGAGCTCAT

>Cct2 (FG644)_*Hygrophoropsis aurantiaca*

ATCTTCGGTGACGAGTGAAAGTTGATGGGACCGGTAAATTGGCAGAGCTTGAGCGAG
CAGAACGGGTACGTCTAAATATTCGATCGGTTCTCCGCCAGAGCAGGAAAAAATGAA
AGCAAAGTGGATGCCATTGCGTCACACGGAATCAACTGTTTTGTCAATCGGCAATTA
TTTACAACCTATCCCGAATCTCTCCTCGCAGAAAAGGGCGTCATGGTCATCGAGCACGCT
GATTTTCGAGGGCGTGGAGCGCCTGTCTTGGTACTGGAGGTGAGATTGCGAGTACAT
TCGAGCGGCCGGACTTGTGAAGCTAGGCAAGTGGAGCTGAT

>Cct2 (FG644)_*Agaricus bisporus* var. *bisporus*

GTATTCGGCGCCCGTTTCAAAGTTGATGGCACTAGCAAACCTCGCTGAACTCGAACGTG
CAGAGCGTGTATGTTGCCATGCACCCTCATTTCGATCCTCACCTTCAATACAGGAAAAAA
TGAAAGCCAAAGTCGAAGCAATAGCCTCACATGGCATCAATGTCTTCGTCAACCGCCA
GCTCATCTACAACCTATCCAGAATCTCTCCTGTGAGAAAAGGAATCATGGTCATCGAAC
ATGCAGATTTTGAAGGTGTAGAGAGACTATCATTAGTCACTGGCGGTGAGATTGCAAGT
ACATTCGATCATCCAGAACTGTCAAGTTGGGCCAATGTGACTTGAT

>Cct2 (FG644)_*Coprinopsis cinerea*

ATCTTTGGTGCAAGACTTAAAGTCGATGGGACTGGTAAACTCGCGGAACTTGAGCGTG
CAGAACGCGTACGTGCCTCTTCTCTGGCATCCGATCCATCTCAATCTTCCAGGAAAAAA
TGAAAGCCAAAGTCGACGCCATCGCTTCGCACGGCATCAACGTCTTCGTCAACCGACA
GCTCATCTACAACCTACCCCGAATCCCTCCTCGCTGAGAAGGGCATCATGGTCATCGAAC
ACGCTGATTTTCGAGGGTGTGGAGAGGTTGTGCTTGTACTGGCGGGGAGATCGCGAG
CACGTTTCGATAGGCCTGACCTGTCAAGTTGGGACAATGCGAGTTGAT

>Cct2 (FG644)_*Stereum hirsutum*

ATCTTCGGGGCCCGTGTCAAAGTCGACGGTACTGGCAAACCTCGCAGAACTCGAGCGC
GCAGAACGGGTAAGCAATTCTTTCAAGAGTCCAACGCACTCACTTTAATCAGGAAAA
AATGAAGGCCAAAGTCGACTCCATCGCTTCGCACGGGATCAATGTCTTCGTCAACCGT
CAGCTCATCTACAACCTACCCCGAATCTCTTCTCGCCGAGAAGGGCATCCTCACCATTGA
ACACGCCGATTTTCGAGGGTGTGAGCGGTTAAGTCTGGTCACCGGCGGTGAGATCGCG
AGTACATTCGATAGGCCAGATCTGTAAAGCTAGGCAAGTGGAGTTGAT

>Cct2 (FG644)_*Laccaria bicolor*

ATCTTTGGTGCTCGCGTGAAGGTGGACAGCACAGGGAAGTTGGCAGAGTTGGAACGG
GCTGAAAGAGTACGTTTCGACATCTTGACTTTGTATACCCAGCCTCCTTGCAGGAAAA
AATGAAGGCCAAGGTCGACGCCATCGCAGCGCACGGAATCAACTGCTTCGTGAACAG
GCAGCTCATCTACAACCTATCCCGAGTCCCTCCTCACCGAGAAAGGCATCATGGTCATCG
AACATGCCGACTTTGAGGGCGTGGAGAGGCTGTGCTCGTCACTGGGGGTGAAATCG
CAAGCACCTTTGACCGACCGGATCTGTCAAGCTTGGGCAGTGGCAGTTGAT

>Cct2 (FG644)_*Trametes cinnabarina*

GTATTTGGTGCCCGCATCAAGGTTGACAGCACGGGCAAGCTCGCTGAGCTAGAGCGTG
CGGAGCGGGTAAGTCCCCTTTGTACGGATTTGGGCACCGTCCCCATTGCAGGAAAA
ATGAAGGCCAAAGTGGATGCGATTGCAGCTCACGGAATTAATTGCTTTGTGAATCGCC
AACTTATCTACAACCTACCCCGAGTCACTTCTCGCAGAGAAGGGCATCATGACGATCGA
GCATGCTGACTTTGAGGGTGTGAGCGTCTCGCGCTTGTCACTGGGGGTGAGATCGCA
AGCACATTCGACCATCCGGAGTTGTGAAGCTTGGACGGTGTGAGCTCAT

>Cct2 (FG644)_*Auricularia delicata*

GTCTTCGGCGCGCATCAAGGTGACTCGACGGGCAAGCTTGCAGAGCTCGAGAAG
GCCGAGCGGGTGAGCCGTTTCCGATATGAACAGGCGGCATTTCGCACTGTTTCAGGAAAA
AATGAAGGCCAAAGGTTGCGGCCATCGCAGCGCACGGCATCAACTGCTTCGTCAACCG
GCAGCTCATCTACAACCTTCCCGAAAACCTGTTAGCGGAGCAGGGCATCATATCCATAG
AGCACGCCGACTTCGAGGGCGTTCGAGCGGCTCTCGCTCGTCACGGGCGGGTGAGATTG
CGAGCACGTTTCGACCGCCCGACCTGTCAAACCTCGGCCACTGCGACCTCAT

>Cct2 (FG644)_*Agrocybe pediades*

ATCTTCGGTGCTCGCTTCAAGGTGACAGTACCGGAAAACCTGGCCGAACTCGAACGTG
CTGAAAGGGTAATTATTCACGCTTTCCCTTCCATCCCTTTCAGGAAAAAATGAAAGCCA
AGGTTGAAGACATCGCTGCGCATGGCATCAACGTCTTCGTCAACAGGCAACTCATCTA
CAACTACCCCGAGTCGTTATTGACGGAGAAGGGCATCATGGTCATCGAACATGCGGAC
TTCGAGGGTGTGAGAGGTTGTCGTTGGTCACTGGAGGAGAGATTGCAAGCACGTTTG
AGAGGCCCGATCTGTGAAACTGGGACACTGTGAACTGAT

>Cct2 (FG644)_*Pluteus cervinus*

ATATTCGGTGCACGTCTAAAAGTTGATGGTACAGGCAAACCTCGCCGAGTTCGAACGTG
CAGAGCGGGTAAGATTCAGATTACTGGTTTCTGCTATATATTCAGGAAAAAATGAAAGC
CAAAGTCGAAGCTATCGCTCAACACGGAATAAATTGTTTCGTGAATCGACAACCTGATCT
ATAACTATCCCGAATCTCTGTTAGCAGAGAAGGGAATAATGGTAATCGAACATGCAGAC
TTTGAAGGCGTGGAACGATTGTCTTTGGTTACCGGTGGTGAGATCGCAAGTACGTTTG
AACGACCGGAACTGTGAGCTTGGGACACTGTGATTTGAT

>Cct2 (FG644)_*Ramaria acris*

ATATTTGGTGCCCGTGTCAAAGTAGATGGCACAGGGAAAACCTCGCTGAGCTCGAACGTG
CGGAGAGAGTTAGTGTTTTTCAAAGTTTACAATGTCATGCTCTAGGAAAAAATGAAAG

CTAAAGTTGCGCTGATTTTCAGCGCACGGCATCAACTGTTTTGTAAACCGACAGTTGATC
TATAACTACCCTGAAAATTTGCTTGCAGAGCAAGGCATTCTATCGATAGAGCATGCAGA
CTTCGAGGGCGTGGAGCGCCTTTTCGCTCGTCACGGGCGGGGAGATTGCGAGTACTTTT
GACAGACCAGATCTGTAAAACCTCGGACGGTGCGATTTGAT

>Cct2 (FG644)_*Gautieria morchelliformis*

ATTTTCGGTGCCAGGGTCAAGGTGGATGGCACAGGGAAGCTCGCTGAGCTCGAACGG
GCCGAGCGAGTGAGTGCACGTTCGGACCTGACGCTGGGCAGCTTTTAGGAAAAAATGA
AAGCAAAAGTGGCGTCGATAGCGGCGCATGGCATCAATTGCTTTGTAAACCGCCA
GATCTACAATTACCCCGAAAATTTGCTCGCGGAGCAGGGTATCATGTGCGATTGAACATG
CCGACTTTGAAGGTGTGAGCGCTTATCGCTGGTAACGGGTGGGGAGATCGCTAGTAC
GTTTGAACGCCAGACCTGTAAAGCTTGGGAGATGCGATCTGAT

>Cct2 (FG644)_*Marasmius fiardii*

ATCTTTGGCGCACGAGTGAAAGTAGACTCTACAGGAAAACCTTGCTGAGCTTGAACGG
GCCGAGAAGGTGTTCTACTCGTCTCCTCTTCTGTACCCTTTCCAGGAGAAAATGAAG
GCCAAGGTTCGATGCAATTGCCGCTCATGGTGTCAACTGTTTCGTCAACCGTCAACTGAT
CTACAACCTACCCTGAATCCCTCCTCGCCGAGAAAGGCATAACAGTCATAGAACATGCC
GATTTTGAAGGCGTCGAGCGACTTTCACTCGTAACAGGTGGCGAAATCGCTTCGACTT
TTGATCGACCCGATCTGTCAAGCTAGGACACTGTGATCTGAT

>Cct2 (FG644)_*Amanita muscaria*

GTTTTTCGGAGCACGCATCAAAGTAGACAGTACAGGAAAGCTCGCTGAACTAGAGAGG
GCGGAACGGGTGAGTATATGCGCGTCAGTCTCATCCACTCATCATATGTCAAGGAAAA
ATGAAAGCCAAAGTCGAAGCCATCGCTGCACACGGCATCAACTGCTTCGTAAACCGAC
AACTCATCTACAACCTACCCTGAATCGATTCTTGCAGAAAAGGGAATCGTGGTTATCGAA
CATGCCGATTTTGAGGGTGTGAAACGTCTCTCGCTAGTTACAGGGGGAGAAATCGCGA
GCACGTTTGATCGACCTGAGCTGTCAAGCTAGGTCACTGTGATTTGAT

>Cct2 (FG644)_*Lactarius quietus*

ATTTTCGGTGCCCGCATGAAGGTTCGACAGCACCGGGAAGCTTGCAGGACTAGAACGG
GCAGAGCGGGTTCGTATATGCTACCCTTCAAGTCAGTCTGACTGTGGTAACAGGAAAA
AATGAAGGCCAAGGTGGAGGCCATCGCATTACACGGGATCAACGTCTTTGTAAATCGA
CAACTGATTTACAACCTACCCTGAAAGTATCTTCGCAGAGAAGGGTATTATGTGATCGA
GCACGCCGATTTTGAAGGTGTTGAAACGTTTGTCACTGGTCACTGGTGGGGAGATCACG
AGCACGTTTCGACCGGCCAGAACTGTCAAGCTCGGTCGATGCGACTTAAT

>Cct2 (FG644)_*Boletus edulis*

GTCTTTGGTGCTCGTGTAAGGTAGACTCTGCGGGTAACTTGCAGGAACTTGAACGTG
CAGAACGAGAAAAGATGAAGGCAAAAGTGAAGCGATTGCAGCCCACGGCATAAACT
GTTTCGTCAACCGGCAACTCATATAACTACCCCGAATCCCTGCTTGCAGGAGAAGGG
CATCATGGTCATCGAGCATGCAGATTTTCGAGGGCGTTGAGCGTCTGTCACTCGTGACTG
GCGGTGAGATTGCAAGTACGTTTCGATCGACCCGATCTGTGACACTTGGGAGATGTGAG
TTGAT

>Cct2 (FG644)_*Fomitiporia mediterranea*

ATATTCGGCGCACGAGTGAAGGTGCGACAGCACTGGGAAGCTTGCCGAGTTAGAACGT
GCTGAACGTGAAAAAATGAAGGACAAAGTAAAAGCAATCGCTGCACATGGTATCAAC
TGTTTCATCAACCGACAGTTGATCTATAACTATCCTGAATCTCTTTTGGCTGAGCATGGC
ATTTTGACGATTGAACATGCGGACTTTGAAGGTGTTGAGAGGCTTTCGCTCGTAACTG
GTGGAGAAATTGCAAGTACATTTGAACAGCCGATAAGTGAAGCTTGGTCGATGCGAA
CTCAT

>Cct2 (FG644)_*Agaricostilbum hyphaenes*

ATCTACGGTGCCAAGATGAAGGTGGAAAGCACAGGCAAGCTGGCTGAACTGGAGCGC
GCCGAGAAGGTGCGTGCCAGAGTCAGCTGGCCTGACCGTTTGTGATGTCACAGGAGA
AGATGAAAGCTAAGGTCTCCAAGATTGCATCACACGGCATCAACTGCTTTGTGAACCG
ACAGCTGGTCTACAACCTACCCAGAGTCGCTCTTTGCTCAGCATGGCATCATGGTCATCG
AGCATGCCGACTTTGAAGGTGTTGAGCGACTGGCTCTGGTCACGGGCGGTCAGATCAC
TTCGACCTTCGAAAACCCAGAGTCGTCAAGATTGGTCAGTCGGCGCGCAT

>Cct2 (FG644)_*Calocera cornea*

ATCTTCGGTGCGCGGGTGAAGGTGGACTCGACGGGCAAGCTTGCCGAGCTGGAGCGC
GCGGAGCGCGAGAAGATGAAGGCCAAGGTCAAGTCGATTGCGGCGCTGGGGATAAAC
GTGTTTGTGAACCGGCAGCTGGTGTACAACCTACCCCGAGAACCTGCTCGCAGAGCAC
GGCATCATGTGCATCGAGCACGCGGACTTTGAGGGCGTCGAGCGCCTCGCGCTTGTGA
CCGGCGGGGACGTGCTCAGCACGTTTCGACGGCGCCGAGGCGTCAAGCTCGGGAAATG
CGAGGTCGT

>Cct2 (FG644)_*Dacryopinax primogenitus*

ATTTTCGGAGCGCGGGTAACGGTTCGACAGCACTGGCAAGCTCGCCGAGCTCGAGCGG
GCCGAGCGGGCAAAGATGGCCGCCAAAGTCAAGTCCATCGCCGGCCTGGGGATCAAC
GTCTTCGTCAACCGGCAGTTGGTATAACTACCCCGAGAACCTGCTTGCTGAGATGG
GAATCATGAGCATCGAGCATGCGGATTTGAGGGTGTGGAGCGGCTTGCCCTTGTGAC
GGGGGGCGATGTCGTGAGCACGTTTGAAGGCGCGGAGGCGTCAGGCTGGGGAAATGT
GATCTCGT

>Cct2 (FG644)_*Asperigillus triticus*

ATCTTCGGTGCCCCGGGTCAAGGTTCGAGTCGACGGGCAAGCTGGCCGAGTTGGAGAAG
GCGGAGCGCGAGAAGATGAAGGCCAAAGGTTGAGCGCATCAAGTCCCACGGCATCAAC
TGCTTCGTCAACCGACAGCTGATCTACAACCTGGCCCGAGCAGCTGTTACCGAGGCTG
GCATCATGTCCATCGAACACGCCGACTTCGACGGCATCGAGCGTCTGGCCCTGGTGAC
GGGCGGTGAGATCGCCTCGACTTTCGACGACCCGGAGCAGTCAAGCTGGGCAAGTGC
GATGTGAT

>Cct2 (FG644)_*Neurospora crassa*

ATCTTTGGTGCGCGCGTCAAGGTCAACTCTACCAGCAAGCTCGCCGAGCTTGAGAAGG
CCGAGAAGGAGAAGATGAAGGCCAAGGTTGAGAAGATCAAGGCGCACGGCATTAACT

GCTTCATCAACAGGCAGTTGA
TTTACAACCTGGCCCGAGCAGCTGTTACCGATGCCGGCATCATGTGCGATCGAGCATGCC
GATTTTCGATGGCATTGAGCGCCTTGCTCTCGTTACCGGCGGTGAAATCGCTTCTACCTT
CGACCACCCGGAGCAGTCAAGCTTGGATATGCCGACTTGAT

>Cct2 (FG644)_*Rhizopus microsporus*

ATTTTCGGCGCTCGTGTCAAGGTCGATGCCACAGGTAAATTAGCCGAATTAGAGCGTGC
AGAACGTGACAAGATGAAGGAAAAGGTTGAGAAAATCAAAGCTCACGGCATCAACTG
CTTTGTGAACCGTCAATTGATCTATAACTGGCCCGAACAACTCTTGGCTGATGCAGGCA
TTGCTAGCATTGAACACGCCGACTTTGAAGGTGTCGAAAGATTAGCCTTGGTCACTGG
TGGTGA AATTGCCTCTACCTTTGATCATCCAGAATTGTCAAGCTTGGACACTGTGATTT
GAT

>Cct3 (FG861)_*Agrocybe pediades*

CTGGACCCTATGGGAGGGATTCTGTATGCATGCTTGTGTCACTATCTGCTGTGATCTAAT
ATGCTTATACAGTCTTACGAACGATGGCAACGCTATCTTACGAGAAATTGACGTGCGCC
ACCCTGCTGCAAAAAACATGATCGAGCTCAGTCGTA CT CAGGATGAGGAATGTGGCGA
TGGAACAACGAGTGTTATCATTCTT

>Cct3 (FG861)_*Gymnopilus chrysopellus*

CTCGATCCTATGGGTGGCATTCTGTGCGTTAATCGGACTTTTTTCTGCGTTTTCTTCTTA
TTCTTGACAGGCTGACGAATGACGGAAATGCGATTCTTCGAGAAATCGATGTCGCAC
ACCCTGCTGCGAAAAATATGATCGAGCTTAGTCGGACACAAGACGAGGAATGTGGAGA
TGGAACCACTAGTGTGATCATCCTC

>Cct3 (FG861)_*Schizophyllum commune*

CTGGATCCTATGGGTGGTATCCTGTACGTTTTCTCCAGCACTTGCAGACTTAAATTGAA
GATCCCTCGCAGACTTACCAACGACGGCAATGCGATCTTGCGAGAGATCGATGTCGCT
CATCCGGCTGCGAAGAACATGATTGAGTTGAGTCGCACACAAGACGAGGAGTGCGGA
GACGGAACGACGAGTGTGATTATCCTC

>Cct3 (FG861)_*Phanerochaete carnosae*

CTCGACCCGATGGGTGGTATCTTGACGTCCGCGTCGCATGGATCATGCGCTGTGCTGA
CGGCATTCTCCAGACTGACCAACGATGGGAATGCGATTCTGCGAGAAATAGATGTTGC
ACATCCTGCAGCGAAGAACATGATTGAGTTGAGTCGGACACAAGACGAGGAGTGCGG
TGACGGTACGACGAGTGTATCATCCTA

>Cct3 (FG861)_*Fomitopsis pinicola*

TTAGATCCTATGGGTGGTATCCTGTACGTCTGCCGTTTTGTTTGTGCTGGCTTTCTGTTGAC
TATACTGTCTAGGCTGACAAACGACGGAAATGCCATCTTGCGAGAGATCGACGTTGCA
CATCCAGCAGCAAAGAACATGATCGAGCTTAGTCGGACGCAAGATGAAGAGTGCGGT
GACGGCACTACCAGTGTCAATTATCCTG

>Cct3 (FG861)_*Laccaria bicolor*

CTCGATCCGATGGGGGGTATCCTGTGCGTTAAGATTTTGACATCGAGAGGACTAATGCC
AGGTGTATCAAAGGCTAACGAACGACGGAAACGCGATCTTGCGTGAAATAGACGTGG
CTCACCTGCGAGCGAAGAATATGATTGAGTTGAGCCGAACACAGGATGAGGAGTGTGG
TGATGGAACAACCAGCGTCATTATCTT

>Cct3 (FG861)_*Coprinopsis cinerea*

TTGGATCCTATGGGTGGTATCTTGTGGGTATTACTGGGTACCGAGGCAGGGAGGCTGAT
TATGGGGACACAGGTTGACGAACGACGGCAATGCGATCCTGCGCGAAATCGACGTTGC
GCATCCCGCTGCGAAGAACATGATCGAGTTGAGCAGGACACAGGACGAGGAGTGTGG
AGATGGAACGACGAGCGTTATCATCCTC

>Cct3 (FG861)_*Auricularia delicata*

CTGGATCCCATGGGTGGCATCGTGTGCGCGCTGTGGCTGCTGGTGTACCGTAGGCTGAT
CAGGCGTTATCAGCGTGACGAACGACGGCAACGCCATTTTTCGCGAGATCGACGTTGC
GCACCCAGCGGCGAAGAACATGATCGAGCTCGCACGGACGCAGGACGAAGAGGTGCG
GCGACGGAACAACGTCCGTAATCGTCCTT

>Cct3 (FG861)_*Agaricus bisporus* var. *bisporus*

TTGGATCCGATGGGCGGTATACTGTGCGTGCTTGCAAAACCGAAGCACCATATCTGAAT
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CACCTGTGCAAAAAACATGATTGAACTTTCCCGCACGCAGGATGAGGAGTGTGGTG
ACGGCACGACGAGCGTTATCATCCTT

>Cct3 (FG861)_*Boletus edulis*

TTAGATCCGATGGGCGGTATCTTGTACGACCTTCATCTCTCTCATTTCCTCTCTTACT
TACGTCTCGAGACTGACGAATGACGGTAACGCAATCCTACGTGAGATCGACGTTGCTC
ATCCTGCTGCCAAGAACATGATTGAACTCAGTCGAACCCAGGATGAAGAATGCGGCGA
TGGAACGACAAGCGTGATCATCCTA

>Cct3 (FG861)_*Dacryopinax primogenitus*

CTCGATCCGATGGGCGGTATCCTGTGCGTCTAATTTGTCCCATACCTATACCGTCTAATAT
GGTGCCTGTAGGTTGACAAATGATGGGAATGCTATTTTACGAGAGATTGATGTTGCTCA
CCCGGCTGCGAAGAACATGATTGAGCTCAGCCGGACACAGGATGAGGAGGTTGGTGA
TGGAACCACAAGTGTCATTATCTTA

>Cct3 (FG861)_*Calocera cornea*

CTCGACCCCATGGGCGGCATCCTGTACGTCCACAACCGTGTGGCACACACTTGTCTTAT
CATGAATCGACAGGCTCACCAACGATGGGAATGCGATACTGCGCGAGATTGATGTTGC
ACATCCTGCGGCGAAAAACATGATTGAGCTTAGTCGGACGCAGGATGAGGAGGTTGGC
GATGGGACGACGAGTGTCATTCTT

>Cct3 (FG861)_*Tricholoma matsutake*

CTAGACCCATGGGAGGCATCCTGTACGTCTGGAATCAGCAACATATATACTTACGAT
CATATGTATCAGGCTAACTAACGATGGAAATGCTATTCTGCGGGAAATCGATGTAGCCCA

TCCAGCTGCGAAAAACATGATAGAGCTCAGCCGGACCCAGGATGAGGAATGTGGGGA
TGGAACGACAAGTGTTATTATCCTC

>Cct3 (FG861)_*Stereum hirsutum*

TTGGATCCTATGGGTGGCATTCTGTTTCGTACCTTCCTTTGCCATTCTCTTCTCTTCTTGAC
GGCTTGAACAGTCTAACGAATGATGGAAATGCCATCCTTCGTGAGATTGATGTTGCGCA
CCCAGCTGCTAAAAACATGATCGAACTGTCTCGGACGCAGGATGAGGAGTGTGGCGAT
GGGACGACCAGTGTCATTGTGCTG

>Cct3 (FG861)_*Marasmius fiardii*

CTAGATCCAATGGGAGGAATTCTGTAAAATTACTATTTCACTTTTTCGAAGGTTTGCTGAC
GAAAAATCATCAGGTTGACAAACGATGGAAACGCAATCCTTCGAGAAATTGACGTAGC
TCATCCAGCAGCGAAGAACATGATCGAGCTTAGTCGGACCCAAGATGAGGAATGTGGA
GACGGAACTACAAGTGTGATTATTCTT

>Cct3 (FG861)_*Pluteus cervinus*

TTGGATCCCATGGGTGGTATATTGTTTCGTAATTTCCCTCTCCTGCTCGATCAACCTCTGA
CCATCGATTTAGACTAACAAACGACGGTAACGCGATTCTACGTGAAATAGACGTAGCCC
ATCCCGCAGCCAAGAACATGATCGAACTTAGTCGGACACAAGACGAAGAGTGTGGAG
ATGGAACAACGAGCGTGATTATTCTT

>Cct3 (FG861)_*Fomitiporia mediterranea*

CTCGATCCTATGGGTGGTATTTTGTATGTTGCAGTTTCGTTAACTTGCCGACCTATTAAT
CGCTGTTCAAGGCTTACGAATGACGGAAACGCAATTTTACGAGAGATAGAAGTGGCAC
ATCCCGCAGCGAAAAACATGATTGAACTAAGTCGGACGCAAGATGAGGAATGTGGAG
ATGGGACGACGAGTGTCATCATTCTT

>Cct3 (FG861)_*Trametes versicolor*

TTGGACCCGATGGGCGGTATTCTGTGAGCATTTCATTCTCCTGCATAAAATACATTGCGTG
ACCTCTCCCTAGGTTGACAAACGATGGAAATGCTATCCTCCGTGAAATTGATGTCGCTC
ACCCGGCCGCGAAAAACATGATCGAGCTTAGCAGGACGCAAGACGAGGAGTGC GGAG
ATGGCACAACGAGTGTATCATCCTT

>Cct3 (FG861)_*Lactarius quietus*

CTCGACCCGATGGGCGGCATAGTGTGAGCCTTTCTGCTGAATCTCCCTTTCCCTTAAGT
TGTTGTGGCCTAGCCTCACAAACGATGGAAACGCGATTCTTCGCGAGATAGACGTTGC
TCATCCCGCAGCCAAGAATATGATCGAGTTGAGCCGGACACAGGATGAGGAGTGC GG
GACGGGACGACGAGTGTGATCGTCTTA

>Cct3 (FG861)_*Serpula lacrymans* var. *lacrymans*

TTGGATCCAATGGGAGGTATCTTGTAAGCCGATCGCGAGTAGACCATGTTTCTGTAAA
TTCCGTCCAACAGACTCACCAATGATGGGAATGCCATTCTTCGCGAAATTGATGTAGCT
CATCCCGCCGCAAAGAACATGATCGAGCTCAGTCGGACCCAGGACGAGGAATGTGGG
GATGGGACGACAAGCGTCATCATTCTA

>Cct3 (FG861)_*Ramaria acris*

TTGGATCCAATGGGTGGAATTACGTGGGTTTACTCTTTATACTCTCATTTCCTGTTTTAA
GACACGACAAAGGCTCACCAATGATGGAAATGCTATTTTACGCGAGATTGATGTCCG
CATCCTGCTGCAAAGAATATGATTGAGTTGAGTCGGACACAGGACGAGGAAGTCGGCG
ATGGAACAACATCGGTTATCATCCTT

>Cct3 (FG861)_*Gautieria morchelliformis*

TTGGATCCCATGGGCGGCATCCTGTGCGTTTCATCTTATTATCCATAGTAAGACACAGTG
AAGGCTTACTAACGATGGTAATGCCATTCTGCGCGAAATTGACGTTGCACATCCCGCTG
CGAAGAACATGATCGAGCTCAGTCGGACACAAGACGAAGAAGTTGGTGATGGGACGA
CATCAGTCATCATCCTT

>Cct3 (FG861)_*Hygrophoropsis aurantiaca*

CTTGATCCAATGGGGGGCATATTGTAAGCACAACATTCTGATATGATGTACCGGTTCAAT
ACGGCTGCACAGGCTAACAAACGATGGCAATGCCATTCTCCGAGAAATCGACGTCGCA
CACCCCGCTGCCAAAACATGATCGAGCTCTCCAGAACCCAAGACGAAGAATGCGGT
GATGGGACTACGAGCGTTATCATCCTC

>Cct3 (FG861)_*Gymnopus androsaceus*

TTGGATCCGATGGGAGGGATATTGTAAGTCAACAAAAAAAAGTGTACATTCACCAAC
TAATATTTCTCAGATTAACCAACGACGGAAATGCAATCCTCCGAGAAATCGACGTGGCG
CATCCCGCAGCGAAAAACATGATTGAACTCAGCCGAACGCAGGATGAAGAATGCGGA
GATGGTACAACAAGTGTAATTGTCCTT

>Cct3 (FG861)_*Asperigillus triticus*

TTGGACCCCATGGGCGGTATTGTTCTGACCAACGATGGTCATGCAATCCTGCGAGAGAT
TGAAGTGTCGCACCCCGCAGCAAAGAGCATGATCGAGCTTAGCCGCACGCAGGATGA
GGAGGTTGGAGACGGTACCACGACCGTCATCATTCTT

>Cct3 (FG861)_*Neurospora crassa*

CTCGATCCCATGGGCGGTATCGTCCTCACCAACGACGGCCATGCTATTCTCCGCGAGAT
CGAAGTGTCGCACCCCGCAGCCAAGAGCATGATCGAGCTCAGCCGGACACAAGACGA
AGAAGTTGGTGACGGTACCACAACAGTCATCATTCTT

>Cct3 (FG861)_*Rhizopus microsporus*

TTAGACCCCATGGGTGGCATCTTGTTAAACAAATGATGGAAATGCCATTCTTCGTGAAAT
TGAAGTGATCATCCAGCTGCTAAAAGTATGATTGAACTTTCTAGAACCCAAGATGAA
GAAGTAGGCGATGGAACAACCAGTGTCATCATTCTC

>Cct3 (FG861)_*Agaricostilbum hyphaenes*

TTGGATCCTATGGGCGGCATTCTCTTGACAAACGACGGGCATGCCATTCTCCAGGCGAG
AGCAGTCTTTGAGGAGAGCTGATCTCGTTGTTCTTCCACAGGAAATTGAAGTCGCT

CATCCAGCAGCAAAGAGCATGCTCGAGCTCAGCAGGACACAGGATGAAGAGTGCGGC
GATGGAACGACTTCAGTCATCATTCTA

>Cct5 (MS422) *Mycena crocata*

CGTCAAGGATACCGGCGCAAATCTGGTCATCTGCCAATGGGGTTTCGACGACGAGGCC
AACCATCTGCTAATGCAGAACGAACCTGCCGGCTGTGCGATGGGTTGGCGGACCTGAAA
TCGAGGTGAGTCGAAGTAAAATCCTGCGCTGACTTTTTCTTCTTTGTCAAGCTGATCGC
AATAGCGACCCAAGGGCGCATTGTGCCTCGATTTGAGGATCTCACGGCGGAGAAGCTG
GGCAAGGCTGGCATCGTGCGTGAGGTCTCGTTTGGGACAACCCG

>Cct5 (MS422) *Agrocybe pediades*

TGTAAAGGACACTGGTGCAAACCTAGTTATTTGCCAGTGGGGTTTCGATGACGAAGCC
AACCATCTGCTCATGCAAAACGAACCTCCCTGCAGTGCGGTGGGTTGGTGGTCCAGAAA
TCGAGGTTTGTGCTTTAAAATTTGACCCATGCTCAGTTGCATTTTCAGTTGGTTGCTATT
GCTACCCAAGGAAGAATCGTACCTAGGTTTCGAGGATCTGACAGAAGCGAAACTCGGC
AAGGCCGGTATTGTGCGCGAGATTTTCGTTTGGTACTACCCG

>Cct5 (MS422) *Hygrophoropsis aurantiaca*

GGTGAAGGACACGGGCGGAATCTGGTTATCTGTTCAGTGGGGCTTTGATGATGAGGCG
AATCATCTGTTGATGCAAAATGAGCTGCCTGCTGTGCGGTGGGTTCGGTGGACCAGAGA
TCGAGGTACGTTTGGCATAATGTTCCCTCGTGTTGTTTACGTCGTGTTTATGTTGATTGCA
ATAGCAACGCAAGGCCGAATCGTTCCCGTTTCGAGGACCTCACTGCCGCAAAGCTCG
GAAAAGCAGGGATCGTACGTGAAGTATCCTTCGGTACCACACG

>Cct5 (MS422) *Neurospora crassa*

AATAAAGAACACTGGTGCCAATCTGGCCATCTGCCAGTGGGGTTTCGACGACGAGGCG
AACCACTTGCTCCTTCAGAACAACTTCCCTGCTGTCCGATGGGTTCGGTGGTCCCGAGA
TTGAGCTGATTGCGATTGCCACAAACGGTCGCATTGTTCCCTCGCTTCGAGGATCTCAAG
CCCGAGAAGCTCGGTAGGGCTGGTGTGTTTCGCGAGATGACATTCGGTACGACAAG

>Cct5 (MS422) *Schizophyllum commune*

CGTGAAGGACGCGGGCGGAACCTGGTCATCTGCCAGTGGGGCTTCGACGACGAGGC
GAACCACTTGCTGATGCAGAACGACTTGCCCGCTGTGCGATGGGTGGGTGGCCCGGA
GATTGAGTTGATTGCGATTGCGACGCAGGGGCGGATTGTTCCCTCGCTTCGAGGACCTTA
CTCCGGAGAAGCTCGGTTCGGGCGGGAGTTGTGCGTGAGGTGACCTTCGGTACAACGC
G

>Cct5 (MS422) *Auricularia delicata*

CGTCAAGGACGCCGGCGGAACCTTGTCATGTGCCAGTGGGGCTTCGACGACGAGGC
GAACCACCTTCTCCTGCAGAACGACCTCCCCGCCGTGCGCTGGGTTCGGTGGGCCCGA
GATCGAGCTCGTGGCCATCGCGACGCAGGGCCGCATCGTGCCGCGCTTCGAGGACCTC
GCGCCCGAGAAGCTCGGCCGCGGGCCTTGTGCGCGAGCTCACGTTTCGGCACGACG
CG

>Cct5 (MS422) *Trametes versicolor*

CGTCAAGGACACCGGCGCGAACCTTGTCATCTGCCAATGGGGCTTCGACGACGAGGC
GAACCACTTGCTCATGCAGAACGATCTCCCTGCTGTGCGGTGGGTTCGGTGGACCCGAG
ATCGAGGTTGGTTCTTTGAGGTAAAGTTTGTGCGGCTAACATACATCGCAGCTCATTGCG
ATTGCGACCAACGCTCGTATCGTTCCTCGGTTTCGAGGACCTCACGAAGGAGAAGCTTG
GCCGTGCAGGTGTCTGTGCGGGAAGTGACCTTCGGCACAACGCG

>Cct5 (MS422) *Phanerochaete carmosa*

TGTCAAGGACACCGGTGCAAACCTTGTTATCTGCCAGTGGGGCTTCGACGATGAGGCA
AACCATTGCTCATGCAAAACGATCTGCCCGCTGTGCGGTGGGTGGTGGTCCCTGAGA
TCGAGGTACGGGAATGATTGAAGCGTTCATAGTTTTTATACTTCACCCTAGCTTATTGCG
ATTGCCACCAATGGTTCGGATTGTCCCTCGCTTCGAAGACTTGTCATCAGAGAAGCTTG
GTCATGCAGGTGTTGTTTCGCGAAGTCACCTTCGGTACTACGCG

>Cct5 (MS422) *Fomitopsis pinicola*

GGTGAAGGACACCGGCGCGAACCTGGTAATCTGCCAGTGGGGCTTCGACGACGAGGC
GAACCATCTGCTCATGCAGCACGACCTGCCTGCGGTGCGGTGGGTTCGGCGGCCCCGA
GATCGAGGTGCGGAGGTTATTCTAGTGGATACGAACCCTAACGAACCACCTAGCTCATC
GCCATCGCAACAAATGGGCGTATCGTCCCGCGCTTCGAAGACCTGACGGCAGAGAAG
CTCGGCAAGGCAGGCATCGTTCGCGAAGTGTCTTTTCGGGACCACAAG

>Cct5 (MS422) *Dacryopinax primogenitus*

CGTGAAAGACGCGGGTGCAAACCTCGTCATATGCCAGTGGGGATTTCGACGATGAGGCC
AACTCGCTTCTAATGGCAAACGACCTACCTCGGTTCAGATGGGTTCGGAGGTCCCGAGA
TTGAGCTCATCGCTATTGCGACGCATGGGCGAATCGTGCCGAGGTTTCGAGGACCTCAG
TGCTGAGAAGCTTGAAAGGCTGGGTTGGTCAAGGAGATCGCCTTCGGTACGACAAG

>Cct5 (MS422) *Calocera cornea*

CGTCAAGGACGCGGGCGCCAACCTCGTCATCTGCCAGTGGGGTTTCGACGACGAGGC
CAACTCACTGCTTATGGCGAACGACCTGCCGGCGGTGCGGTGGGTTCGGGGGGCCGGA
GATCGAGCTTATCGCTATTGCGACCCAGGGAGGATCGTGCCACGGTTCGAAGACCTT
AGCGCGGAGAAGCTCGGAAAGGCCGGCATCGTCAGGGAGATCTCGTTTGGGACCACA
AG

>Cct5 (MS422) *Laccaria bicolor*

AGTGAAGGATACTGGCGCGAATTTAGTCATCTGTCAATGGGGCTTTGATGATGAGGCCA
ACCATTTGTTGATGCAGAACGAATTGCCCTCTGTGAGATGGGTGGAGGCCAGAAAT
CGAGGTTTGTAGTTTGTCTATTGATTGACGTCTTTTCTTTCCCTCCAGCTCATCGCCA
TTGCGACACATGGGCGAATCGTTCCTCCCGCTTTGAAGACCTCACCAAAGAGAAGCTGG
GCAAAGCGGGCATTGTACGAGAAATTCGTTTCGGTACAACCTCG

>Cct5 (MS422) *Tricholoma matsutake*

GGTCAAGGACACGGGCGCAAACCTTGTCATCTGCCAATGGGGTTTCGATGATGAGGCA
AATCATCTGTTGATGCAAAACGAACTACCCGCTGTGCGATGGGTGGCGGGCCTGAAA

TTGAGGTACGAGTTGCTATATTGATATCTATATTCCTTTCTGCAAGCTCATCGCAATAG
CAACACAAGGCCGAATTGTCCCACGTTTCGAAGACCTCACAAAGGAAAAGCTCGGAA
CAGCAGGAATCGTCCGTGAGATCTCATTTGGTACAACACG

>Cct5 (MS422) *Serpula lacrymans* var. *lacrymans*

AGTAAAGGATACTGGCGCCAACCTGGTTATCTGTTCAGTGGGGCTTTGACGATGAGGCT
AATCACTTGCTGATGCAAAATGAATTGCCCGCTGTCCGCTGGGTTGGTGGCCAGAGA
TCGAGGTGCGCAATTGCTTATACTTATTGACGACCCAAACCTTCTATTAGCTCATAGCA
ATAGCCACGCAGGGTTCGTATCGTGCCGCGATTTGAGGATCTTACTGCAGAAAAGCTTG
GTAAAGCAGGCATAGTGCGGGAGGTCTCCTTTGGCACCACGCG

>Cct5 (MS422) *Stereum hirsutum*

GGTGAAGGATAGTGGGGCCAACCTGGTCATCTGCCAATGGGGTTTTGACGACGAAGC
AAATCATTTACTGATGCAGAACGAGTTGCCGGCTGTACGGTGGGTTGGTGGACCGGAA
ATCGAGGTATGTGCTTTCAACCCCCAAATACACCCTAACGTGTCTTGCCTAGTTGATCG
CTATCGCCACCAATGGTTCGCATCGTCCCCCGATTTCGAGGATCTCACCCCAGAAAAGCTC
GGCAAAGCAGGGATTGTTTCGCGAAGTGTCTTTTGGTACCACTCG

>Cct5 (MS422) *Boletus edulis*

GGTGAAAACACGGGTGCCAACCTGGTTATATGCCAGTGGGGCTTTGACGACGAGGC
AAATCATTTACTAATGCAAACGAGTTGCCAGCTGTACGGTGGGTTGGCGGTCCCGAG
ATTGAGGTAACGTCCCTTTCATCACAATGTCCGTTGTAACCTCCCTCTCAGCTAATTGC
TATAGCCACACACGGCCGCATCGTGCCCCGATTTCGAGGAACTCACGGCAGAAAACTA
GGAAAAGCAGGCATTGTACGCGAAATTACCTTTGGCAGCAGCG

>Cct5 (MS422) *Coprinopsis cinerea*

GGTGAAAGATACTGGAGCGAATTTGGTCATTTGCCAATGGGGCTTTGATGATGAAGCC
AATCATTTGCTTATGCAGAATGAGTTGCCGGCTGTGAGATGGGTTGGTGGGCCTGAGAT
TGAGGTGCGTTTTTTGTATTGTAGATCGATTGAACTGGAGGATGTAGTTGATCGCGCTT
GCGACTGAAGGAAGGATCGTACCCCGATTTCGAGGACCTCAGCGCTAAAAAGCTCGGT
TCGGCTGGTATCGTTAGGGAACCTCTCCTTTGGTACCACCCG

>Cct5 (MS422) *Agaricus bisporus* var. *bisporus*

GGTAAAGGATACAGGTGCTAATCTGGTTATCTGTCAATGGGGTTTTGATGACGAAGCAA
ATCATCTTTACTTCAAATGAGCTTCCCTGCCGTACGTTGGGTTCGGCGGCCCGAAATC
GAGGTATTTGCTTGATATCACAAGTCTACCGCTCATTCGGATTTAGTTGATTGCGATTGC
CACGCAAGGTTCGCATCGTCCCTCGTTTCGAAGATCTCACAGCGGCAAAGCTTGGGACT
GCCGGTGTGGTGC GCGAGCTCACCTTTGGTACCACAAG

>Cct5 (MS422) *Amanita muscaria*

GGTGAAAGATACAGGAGCGAATTTGGTTATTTGCCAGTGGGGTTTTGATGATGAGGCTA
ATCACCTTCTCATGCAAACGATCTGCCTGCCGTCCGGTGGGTGGGCGGTCCCGAAAT
TGAGGTGCGTTTCAGCATAACGATAACGAACTAAACGACGCATATACTAGTTAATTGCC
ATTGCTACTCAAGGCCGCATTGTCCCCCGTTTGAAGATCTGACCAGCGAAAAGTTGG

GCAAGGCTGGAATTGTTTCGTGAGGTCACCTTCGGCACGACACG

>Cct5 (MS422) *Marasmius fiardii*

GGTGAAGGACACGGGCGCAAATTTGGTTATATGTCAATGGGGATTTGACGATGAAGCA
AATCATCTGCTAATGCAGAACGATTTACCAGCCGTACGGTGGGTTCGGTGGGCCCCGAAA
TTGAGGTATGGATTTTCAAGCATACTATTGCTTGATACTCGATTCCCAGCTCATCGCAA
TTGCCACACAAGGTCGTATCGTACCCAGATTTGAAGATCTCACCGCTGCAAAACTTGGT
AAAGCCGGAATCGTAAGAGAAGTGACGTTTGGTACCACAAG

>Cct5 (MS422) *Fomitiporia mediterranea*

AGTGAAAGATACTGGTGCTAATCTTGTCAATTTGTCAATGGGGTTTCGACGATGAGGCGA
ATCATTGCTTATGCAGAATGAATTGCCGGCTGTGAGATGGGTGGTGGACCCGAGATT
GAGGTTTGGCTTTTTCCCTTCAGCGACGTTTAATGTTAATTTGCAAGCTCATCGCCATTGC
TACAAACGGCCGAATCGTACCTCGATTTGAGGATCTGACATCAGAAAACTTGGCAAG
GCAGGGATCGTACGTGAAATTACCTTTGGCACCACGAA

>Cct5 (MS422) *Gymnopilus chrysopellus*

AGTGAAAGGACACCGGCGCCAACTTGGTCAATTTGTCAATGGGGTTTCGATGATGAGGCC
AACCATTTGTTGATGCAAAATGATCTTCCTGCTGTTTCGATGGGTTCGGAGGTCCTGAGAT
CGAGGTGAGTATTCTTGAGCCCTGCGCACTACCGCAATCTTCAAAGTTAATCGCTATC
GCCACTCAAGGAAGGATTGTTCTCGATTTGAAGATCTTCCGCGGAGAAGCTTGGAA
GAGCTGGCGTCGTACGAGAAATTGGGTTCGGTACAACCCG

>Cct5 (MS422) *Lactarius quietus*

CGTGCAAGATTCGGGCGCGAACCTAGTCATTTGCCAGTGGGGCTTCGACGACGAGGCC
AACCACCTATTAATGCAAAACGACCTTCCGGCCGTCCGATGGGTTCGGCGGGCCTGAAA
TCGAGGCAAGTGGTTGTGTGTCAGTTCGACTAGCGAACACCGTGCGATCACCAGCTCATTG
CCATCGCTACCGAGGGTTCGCATCGTCCCTCGATTCGAGGACCTGACACCAGAGAAGCT
CGGAAAGGCGGGAGTTGTCAGAGAAGTCACGTTTGGGACCACGAG

>Cct5 (MS422) *Gautieria morchelliformis*

AGTCAAAGACACAGGGGCCAATCTGGTCACTGCCAGTGGGGCTTTGACGACGAAGC
AAACCCTACTTCTACAAAATGAGCTCCCTGCTGTTTCGTTGGGTTCGGAGGCCCTGAA
ATTGAGGTGCGGTGTATTTCTGTTTTGCGACATCTGTCGGTTTTTCATTGTAGCTTATCGC
GATTGCCACCCAGGGACGTATCGTCCCTCGGTTTGGAGGATCTGACAGCTAAGAAATTA
GGCAAGGCGGGTATTGTCCGCGAAGTCTCCTTCGGGACAACACG

>Cct5 (MS422) *Ramaria acris*

GGTCAAAGACACCGGTGCCAACCTCGTTATATGCCAGTGGGGTTTGACGACGAAGCA
AATCACTTATTGTTACAAAATGAGCTTCCTGCCGTACGATGGGTGGAGGCCCGGAGAT
TGAGGTGCGAATTGATTTCACTTGTGAAAAACGCCAATATGTGGTGTAGCTCATTGCT
ATAGCCACACAAGGTCGCATTGTTCCCTCGGTTTCGAGGACCTTACTGCCAAAAAATTGG
GCAAGGCTGGTATTGTGCGAGAAGTTTCATTTGGTACAACAAG

>Cct5 (MS422) *Pluteus cervinus*

AGTCAAGGATACCGGGGCAAACCTTGTTATCTGCCAGTGGGGATTTCGATGACGAAGCA
AATCATTTGCTAATGCAAAACGACTTACCCGCAGTTCGATGGGTAGGGGGTCCAGAAA
TCGAGGTAGGTCAAGGGCCAAACTTCTAACGCGATAAACAGCTCATCGCCATTGCTAC
ACAAGGGCGCATCGTACCCAGATTTGAGGATCTGACTAAAGAGAAGCTCGGAAAGGC
TGGGCTCGTACGCGAAGTCACCTTTGGGACAACCTCG

>Cct5 (MS422) *Gymnopus androsaceus*

GGTCAAGGATACTGGCGCGAATTTGGTCATTTGTCAATGGGGTTTTGACGACGAAGCT
AACCATATGCTGATGCAAAACGATCTCCCTGCTGTGCGATGGGTTGGTGGTCCCTGAGAT
CGAGGTGAAGCTGTTACAACAATACTGAGAATATCGCTAGCTTATCGCGATCGTACCC
AAGGTCGCATCGTTCCCGATTTGAAGACCTAACGGCGGCGAAACTTGGTAAAGCCGG
TATCGTCAGGGAAGTCTCCTTCGGTACCACCAG

>Cct5 (MS422) *Rhizopus microsporus*

AGTTAAGGACTCTGGTGCCAACATGGTTGTCTGTCAGTGGGGTTTTGATGACGAAGCC
AACCACTTACTCTTACAGAACCAATTGCCTGCTGTTTCGTTGGGTGGGTGGTCCCGAAAT
TGAGTTGATTGCAATCGCCACCAATGGTCGCATCGTACCCCGTTTTGAAGACCTTGAC
CTGAAAAGCTAGGTCATGCTGGTGTGTACGTGAATTGACATTTGGTACTACCAA

>Cct5 (MS422) *Agaricostilbum hyphaenes*

TGTCAAGAACGCTGGAGCCAACCTCGTCATTTGCCAGTGGGGCTTTGACGACGAAGC
CAATCATCTGCTCATGACCAACAACCTTGCCAGCTGTACGATGGGTGGGCGGCCAGAA
TTGGAACCTTATCGCCATTGCTACCAACGGCCGCATTGTGCCTCGATTTGAAGACCTCAC
TGAAGCCAAGCTCGGCAAGGCGGGTTCAGTCAAGGAGCTCGCATTGGTACAACAAA

>Cct5 (MS422) *Asperigillus triticus*

CCTGAAGAACTCCGGTGCCAACCTGGCGATCTGCCAGTGGGGCTTTGATGACGAAGCC
AACCACTGCTGCTCCAGAACAAGCTTCCCGCTGTCCGTTGGGTGCGCGGTCCCTGAGA
TCGAACCTGATCGCCATTGCGACCAACGGCCGCATCGTCCCTCGGTTTCGAGGATCTGAG
CGCGGACAAGCTAGGATCCGCGGTAAAGTGCGAGAGATGACCTTTGGCACCACCCG

>Elp3 (FG533) *Amanita muscaria*

ATCTGTGTGTATGTGGATCAATGACTATACTCAACACATTTTGACCGTTATTGCAGCTAC
TGTCCTGGAGGTCCAGATTCGGATTTTGATTACAGCACACAAAGCTATACGGGCTATGA
ACCAACAAGTATGCGAGCCATTCGCGCTCGCTACGACCCATACGAGCAGACACGAGGG
AGAGTCGAGCAGTTGAAAAGCTTGGGCCACAGTGTGGATAAGGTACGTTAGGTCTTGC
TTTTAAAGAGCTTCGATCTCATTCACTAGGTTCGAATTCATCATTATGGGAGGAACA

>Elp3 (FG533) *Hygrophoropsis aurantiaca*

ATTTGTGTGTGAGCACAACCGACCATGGAGCGATCTTTTATAAGATTTCGTAGATACTGC
CCGGGAGGTCCAGATTCAGACTTCGACTACAGTACACAGAGTTACACGGGCTACGAGC
CCACGAGTATGCGCGCGATCCGCGCACGTTATGACCCATACGAACAAACTCGAGGTTCG
TGTCGAGCAGTTGAAAAGCTCTCGGACATAGTGTGACAAGGTAAGCCATATCAGCCTC

GAAAACGCTTTGTTTTTCAAAAAAAGTGTGCCCCAGGTCGAGTTCATCATCATGGGCG
GGACT

>Elp3 (FG533)_*Mycena crocata*

ATATGCGTTTACTGCCCCGGTGGGCCCGACTCGGACTTTGACTATAGCACGCAGAGCTA
CACGGGGTACGAGCCGACGAGCATGCGCGCGATCCGCGCACGGTACGACCCGTATGA
GCAGACGCGGGGACGTGTGGAACAACCTGAAAGCCCTAGGACATAATGTGATAAGGT
GCGCGGAGCCATTGTTATTGAGACAAAACTCATAATTGAGGCAGGTCGAGTTTATTGT
CATGGGCGGGACG

>Elp3 (FG533)_*Schizophyllum commune*

ATCTGCGTGTGCGTTCTACATACCTTGTCGAGAGATCGGAAAAATAGGTACTGCCCGGG
AGGACCGGACTCGGACTTCGACTACAGCACACAGAGCTATACTGGCTATGAGCCGACA
AGTATGCGAGCCATCCGCGCGCGGTACGACCCGTACGAGCAGACGCGAGGGCGAGTG
GAGCAGCTGAAGGCTTTGGGGCATAAGTGTGGACAAGGTGCGAGGTCCGACTCACGGG
CAGAAAGTTTTGCTGACCATATACAGGTCGAGTTCATCATCATGGGTGGTACC

>Elp3 (FG533)_*Coprinopsis cinerea*

ATCTGTGTGTAAGTTGGACCTATTTCGTTTTCCATGAGCAGCCTTTAACCTTTGACAGATA
TTGTCCTGGAGGACCCGATTACAGACTTCGATTACAGTACACAAAGTTATACCGGGTACG
AACCAACGAGCATGCGAGCTATTTCGTGCTCGATACGATCCTTATGAGCAAACGCGAGG
GCGAGTGGAGCAGTTGAAGAGCCTGGGACACAGTGTGATAAGGTGAGATCCAACGT
CGTGGTATCTGGGAAAGCAAACCTCATGCAGTGGCGACACAGGTCGAGTTCATTGTTCAT
GGGAGGCACC

>Elp3 (FG533)_*Gautieria morchelliformis*

ATATGCGTGTAGGTCTCAGTCCGCGTTTCAAATATCGAACCAATACAAAGATATTGTCCT
GGCGGACCGGACTCAGATTTGACTACAGTACACAGAGTTATAACCGGTTATGAGCCCA
CCAGCATGCGTGCCATCCGCGCACGGTACGATCCATATGAGCAGACACGGGGTTCGCGT
CGAACAGCTTAAAAGTCTGGGTACAGTGTGATAAGGTTTTCTTTTTCTCTGAAAAA
TCGCACAAGGCGTAATAATTATCGTGTCTCAGGTAGAGTTTATTGTCATGGGCGG
CACT

>Elp3 (FG533)_*Ramaria acris*

ATATGCGTGTATGTCCGGACTACGCAGTTTCAAGCATTAAACCCATGTCAAGCTATTGTC
CCGGAGGACCGGATTACAGACTTCGATTATAGCACACAGAGCTATAACCGGCTATGAGCCT
ACAAGTATGCGTGCCATTCGTGCTCGATACGATCCGTATGAACAGACACGGGGTTCGGGT
AGAACAACCTTAAAAGCTTAGGTCATAACGTGACAAGGTAATTTATATTTTCGTAATCCT
CATATTATTCATGGTGACATATTTAGGTGGAGTTTATTATTATGGGCGGTA

>Elp3 (FG533)_*Stereum hirsutum*

ATATGTGTGTATGTGATCTCCCATCTATCCGTTTTGTCCTATTCATTACGTATATAGCTATT
GTCCAGGTGGCCCCGACTCAGACTTCGACTACAGCACACAGAGTTATAACAGGTTACGA

ACCAACCAGTATGCGTGCCATCCGAGCGCGTTACGATCCTTATGAACAGACGAGAGGA
CGGGTGGAGCAGCTGAAGGCGTTGGGCCACAGTGTTGACAAGGTGAGCAGATTCGTG
TCACGAGGAAGTTCGCGTTCTGAGGACTGTATTCAGGTCGAGTTCATCATCATGGGCG
GTACA

>Elp3 (FG533)_*Fomitiporia mediterranea*

ATTTGCGTGTATGCTCTCCATCTCTTCTACTTACTGCCCATCCACCATATTTTCAGTTATT
GTCCGGGTGGCCAGACTCTGACTTCGATTACAGTACGCAGAGCTATACAGGTTATGAA
CCAAGTAGTATGCGCGCGATCAGAGCGCGTTACGACCCCTACGAGCAGACTAGAGGAC
GGGTGGAACAATTGAAGAGTTTAGGTCATAGTGTGATAAGGTAAGCTTGTGTGGCAT
CCGTGAGGCTTCATGGCTCTGACGTGATGGCATTTCAGGTTGAATTTATCATCATGGGTG
GTACT

>Elp3 (FG533)_*Lactarius quietus*

ATATGCGTGTGCGCCGAGTCTATTACCGTATCTTACCCACCCTTGCGGTAGATATTGCC
CAGGCGGCCAGACTCCGACTTTGATTATAGCACGCAAAGCTACACCGGGTACGAGCC
CACGAGCATGCGCGCCATCCGTGCTCGGTATGATCCATATGAGCAGACGCGAGGGCGG
GTGGAACAGTTGAAGAGTTTGGGACACAGCGTTGATAAGGTGTGCTTTCCCCACGAG
ACTGCTCTTACATGACCCATGTAGAAAAACAAAGGTCGAATTCATTATCATGGGCGGGA
CA

>Elp3 (FG533)_*Serpula lacrymans* var. *lacrymans*

ATATGTGTGTTAGTATGAATAGTGCGGATACTACAACAATCTTACATTCTCTTCAGATA
CTGCCAGGAGGACCAGATTCAGATTTTGATTATAGCACTCAGAGCTATACTGGCTATG
AGCCAACGAGCATGCGTGCTATTCGTGCGCGATATGACCCTTATGAGCAAACGCGTGGT
CGAGTAGAGCAGCTAAAGAGTTTAGGTCACAATGTAGACAAGGCAAGTCACGATGAC
ACTTTATGGCAGCTCCTATCTTGACGATTGTACTTAGGTCGAGTTTATCATCATGGGTGG
AACA

>Elp3 (FG533)_*Gymnopilus chrysopellus*

ATATGTGTGTGCGTAGTCTTCCCTCGAGCTTTTTGGCTATTTCCCTTGCACTTTAGATACTG
CCCCGGAGGTCCGGATTCCGATTTTCGATTACAGCACACAGAGTTACACAGGATATGAG
CCGACAAGTATGCGTGCTATCAGAGCACGATACGACCCTTACGAGCAAACGAGAGGAC
GAGTGGAGCAGCTGAAGAGTTTAGGACACAGCGTTGACAAAGTATGATCTTAAAATAT
GGCATTGTTCATTTTACTGATCTTTTCTTTTTCTAGGTCGAGTTCATTGTCATGGGAGGC
ACC

>Elp3 (FG533)_*Fomitopsis pinicola*

ATCTGCGTGTGAGTAAGTGCGGTTACTCTACCGGATGCATGCCGACTATGTGCAGATAT
TGTCAGGAGGTCCCGACTCGGACTTCGACTACAGCACGCAGAGTTACACGGGCTACG
AACCTACGAGTATGCGAGCGATCAGGGCGCGGTATGACCCTTACGAGCAGACGCGTGG
TCGAGTCGAGCAGCTCAAGAGCCTGGGACACAATGTGGATAAGGCACGTCTGCTACA
CGTAATACCTTCACGCTCTATTGACTTCCCGGGCAGGTCGAGTTCATCATCATGGGTGG
CACG

>Elp3 (FG533)_*Trametes versicolor*

ATCTGTGTGTGCGTAAAACACACGCCGTCCTGAACTGCTGATTTAATTTGCCTCTAGGT
ATTGTCCAGGAGGGCCCGACTCGGACTTTGACTACAGCACCCAGAGCTATACTGGATA
CGAGCCGACCAGTATGCGAGCTATCAGAGCGCGGTACGATCCGTATGAGCAGACACGA
GGTCGAGTAGAGCAACTCAAAAAGCCTCGGGCATAACGTCGACAAGGTGGGATCTAATG
TCGCCCGTGTGGCCTTTTTCACTTAATATATTGCGCAGGTCAATTTATTGTCATGGGA
GGCACG

>Elp3 (FG533)_*Laccaria bicolor*

ATATGCGTGTAAATTTTTTTTTCTGGGATGATATCGACGAGTTTATCGGCTAGGTA
TGGAGGACCTGACTCTGATTTTACTACAGCACGCAGAGCTATACTGGATACGAACCG
ACGAGTATGCGTGCCATTCGGGCGCGGTACGACCCCTACGAACAAACGCGAGGGAGG
GTTGAGCAGTTGAAAAGTCTGGGGCATAACGTTGACAAGGTATATGCTAGTCCACTCC
ATACCATTACCTCACTGATTTGCCACAAGGTTGAGTTCATCGTCATGGGAGGGACA

>Elp3 (FG533)_*Agaricus bisporus* var. *burnettii*

ATATGTGTGTGCGCTCAAAAATTTCTTTCATCTTGGTTCTCGCGAACAACGACCAGATA
TTGTCCAGGAGGACCTGATTCGGACTTCGACTACAGTACGCAAAGCTACACCGGATAC
GAACCGACAAGTATGCGTGCCATTCGTGCTCGATATGACCCGTACGAACAGACGAGAG
GGCGAGTGGAACAGTTGAAGAGTCTGGGCCATAACGTTGATAAAGTAACGTCGGCTAC
CATCTTGGATAACAATTTCAATCTGATGATTTCTAGGTTGAATTCATCATCATGGGTGGGA
CA

>Elp3 (FG533)_*Agrocybe pediades*

ATTTGCGTGTACGTGGGCACAAATGTTCTGAGGAGGGATGATTGACAATGTCCTAGGTA
TTGCCAGGAGGACCCGACTCCGACTTTGATTACAGCACACAAAGTTACACAGGATAC
GAGCCAACGAGTATGCGAGCCATCCGTGCGCGATATGACCCTTATGAACAAACAAGAG
GAAGAGTGGAGCAGCTGAAGAGTCTGGGACATAGTGTGGACAAGGTAAGGACTTCAT
TCTCTTCTGCTTTTCATACCTTTAACGCTTGGAGTTAGGTTCGAATTTATCGTTATGGGTG
GTACA

>Elp3 (FG533)_*Pluteus cervinus*

ATATGCGTGTAAAGTTCTATCCTTTGACTGCGAAGCGCGTCTTGATTGTGGTTCTAGCTAT
TGCCCTGGCGGTCCGGATTCAGATTCGACTACAGCACTCAAAGTTATACTGGCTACGA
ACCCACGAGTATGCGTGCGATACGTGCCAGATACGATCCTTATGAGCAGACACGGGGA
CGAGTTGAGCAATTGAAGAGTCTAGGACATAGTGTGGATAAGGTGCTTATGAACAAA
CATTGACCGGCATACGCACTAATTCCTTGCCCTTTAGGTTGAGTTCATCATCATGGGTGG
TACA

>Elp3 (FG533)_*Boletus edulis*

ATCTGTGTGTGAGTGCGCTTGATGTTGAAAGTGACATATCCTCGACGTCGCGTAGATA
TTGCCAGGAGGACCTGACTCTGATTTTACTACAGCACACAGAGCTACACTGGATAC

GAGCCTACGAGCATGCGTGCCATCAGGGCCCGTTACGACCCATACGAACAAACACGGG
GTCGCGTCGAGCAGTTGAAAGCCCTTGGCCATAGTGTGACAAGGTCCGTCTCGTCAT
TCTTCTCCACTGTGGGTATCCATTCAAAGCATGCTACCAAGGTTGAATTCATCATAATGG
GCGGCACG

>Elp3 (FG533)_*Tricholoma matsutake*

ATATGCGTGTACGTGTTACGTGTTACGTGTAGGTCAGCTTGAGCGATTGTTGTTTAGATA
TTGCCCTGGAGGCCAGACTCGGATTTGACTATAGTACTCAGTCATATACGGGGTACG
AGCCACGAGTATGCGTGCGATCCGTGCTCGATATGATCCGTATGAGCAAACCTCGGGG
CGTGTGGAACAGCTGAAGAGTTTAAAGTTCATAGTGTGGATAAGGTATGCTTCTTTAATT
ATCGCACTCGTCTTTGAATAAAGGCCATTTTTAGGTCGAATTCATAGTGATGGGAGGGA
CA

>Elp3 (FG533)_*Auricularia delicata*

ATCTGCGTGTACGTGAAGCCCGCATACCGAAAAACCCATAGAAGCATGACAGCTATTG
TCCCGGCGGCCCCGACTCAGACTTCGATTACAGCACACAAAGCTACACAGGCTACGAG
CCTACCAGTATGCGTGCCATCCGTGCACGCTACGACCCGTACGAACAAACGCGCGGCC
GCGTTGAGCAGCTAAAGTCGCTCGGCCATAGCGTAGACAAGGCGCGTGTATGCGCATA
CAGCCCGCTCCACCTCGCCTAACCTGCACTAGGTCGAGTTCATTGTGATGGGCGGGAC
G

>Elp3 (FG533)_*Calocera cornea*

ATTTGCGTGTACGCTCTCCCCCCCCGCTGCCTTGCTCAGCAGGTCCCGCAACAGGTAT
TGTCGGGTGGCCCGGACTCCGACTTCGACTACAGCACCCAGTCGTACACGGGCTACG
AGCCACAAGTATGCGCGCCATCCGAGCGCGGTACGATCCCTACGAGCAGACACGAGG
TCGGGTGGACCAGCTTGCCAGTCTGGGGCACAGCGTCGACAAGGTCGAGTTCATCATC
ATGGGAGGGACG

>Elp3 (FG533)_*Dacryopinax primogenitus*

ATCTGTGTTTACTGTCCCGGTGGTCCCGACTCAGACTTTGACTACTCCACCCAGTCTTA
CACGGGGTATGAGCCCACCAGCATGCGTGCGATCCGAGCACGGTACGACCCATACGAA
CAAACCAGGGGAAGAGTCGAGCAGCTCGCGAGCTTGGGTCATAGCGTTGACAAGGTC
GAGTTCATTATAATGGGCGGGACG

>Elp3 (FG533)_*Gymnopus androsaceus*

ATCTGCGTGTGCGTGTATTATTTCTTTCATCGAGCATTGAAGTTATCCTCAGGTAAGTCC
CTGGTGGTCCAGATTCCGATTTTGATTACAGTACGCAAAGTTACTGAGGTTATGAGCCT
ACAAGTATGCGGGCTATCCGAGCTAGATACGATCCATATGAACAGACAAAAGGACGAG
TCGAGCAATTGAAAAGTCTTGGGCATAGCGTGGACAAAGTTCGCTCACTCTCTTTCCAT
TCGAAGCCCTAACTCAATCTATATACTTAGGTCGAATTCATCATCATGGGAGGGACG

>Elp3 (FG533)_*Neurospora crassa*

ATTTGCGTCTACTGCCCGGTGGTCCAGACTCCGACTTCGAATACAGCACACAGTCATA
CACGGGATATGAGCCGACATCGATGAGAGCCATCCGGGCTCGTTACGACCCCTTCGAG

CAGGCGAGAGGACGAGTTGATCAGCTAAAGTCATTGGGCCACTCGGTTCGACAAGGTC
GAATACATCATCATGGGCGGCACT

>Elp3 (FG533)_*Asperigillus triticus*

ATCTGCGTGTACTGCCCCGGCGGGCCCGACTCCGATTTTGAATACTCGACGCAATCCTA
CACCGGGTACGAGCCGACGTCGATGCGGGCCATCCGGGCGCGGTACGATCCGTTTCGAG
CAGGCGCGCGGGCGGGTGGACCAGATCAAGTCGATGGGCCACAGCGTGGACAAGGTC
GAGTACATCATCATGGGCGGCACT

>Elp3 (FG533)_*Rhizopus microsporus*

ATTTGTGTCTACTGCCCTGGTGGCCCTGACTCTGATTTTGAATATTCAACACAGTCATAT
ACTGGATACGAGCCTACGTCCATGCGAGCCATTCGTGCTCGTTATGATCCCTATGAACA
AGCCCGTGGTTCGTGTGGATCAACTTCGAAGCTTGGGTCACAATGTCGATAAGGTAGAA
TACATCATTATGGGTGGCAGC

>Tcp1 (FG850)_*Laccaria bicolor*

GTACGTCGGTGCAGGAAAGAAGATCTGCGCCGGATTGCTAAAGCGACGGGTGGCCAA
CTTATATCCAGTCTCGCGAATCTGGAGGGAGAAGAAACCTTCGAAGCCAGCTATCTGG
GGACTGCCGACGAGGTGGTGCAGGAGCGCATCTCGGACGACGAACTGATTCTTATTAA
GGGGACGAAGGTCGTAAACTCAGCATCGATTGTCTTCGGGGAGCAAAGATTACATGT
TGGATGAGATGGAACGAGCTTTGCATGACACACTGTCGATCATCAAGCGAACATTGGA
GAGTGGTTCTGTGGTACCTGGTGGCGGTGCTGTCTGAATCGGCGTTGAGCATCTACCTG

>Tcp1 (FG850)_*Tricholoma matsutake*

GTGCGTCGGTGTAGAAAAGAGGATTTGCGTCGGATCGCGAAGGGCACCAGGGGGTACA
CTGTTTTCCAGTCTTGCGAACCTGGAGGGTGAGGAGACATTTGAGGCGAGCTATCTGG
GAACTGCGGACGAGGTTCGTCAGGAGCGCATATCGGATGATGAGCTGATCTTGATCAA
GGGAACCAAGGTGGTCAACTCATCTTCGATTGTGCTGCGAGGAGCAAAGACTATATGC
TGGATGAGATGGAGCGAGCACTTCATGACACCCTGTCTGGTTCATCAAGCGGACCCTGGA
AAGCGGGTCTGTAGTCCCCGGCGGGGAGCGGTGGAAACCGCTTTGAGTATTTATTG

>Tcp1 (FG850)_*Mycena crocata*

GTTCGCCGTTGTAGGAAAGAGGACCTTCGTGCGCATCGCCAAAGCCACTGGAGGCACG
CTAATTTCTAGTCTCGCGAATCTCGAAGGGGAAGAGACGTATGAAGCTAGCTATCTTGG
TTCTGCGGACGAAGTCATTCAAGAGCGCATCTCGGACGACGAACTCATCCTCATCAAG
GGCACCAGGTTCGTCGAACCTCCGCGTCTATTGTTCTACGAGGTGCGAAGACTATATGCTC
GACGAGATGGAGAGGGCGCTGCACGACACTCTATCGGTTATAAAGCGCACACTCGAAA
GTGGTTTCGGTTGTGCCTGGCGGGGGTGCCTTGAATCTGCACTGAGTATCTATTTG

>Tcp1 (FG850)_*Phanerochaete carnosae*

GTCCGCCGGTGTGCAAGGAAGATCTCCGCCGCATCGCGAAGGGCGACTGGTGGTACCC
TCGTATCGAGTCTTGCTAACCTCGAAGGGGAGGAGTCGTTTCGAAGCTAGCTACCTTGG
TCATGCCGAGGAGGTTCATCCAGGAGCGCATTTCCGATGATGAGCTAATCCTCATCAAAG
GCACGAAGGTGGTCAACTCGGCGTCGATAGTGCTTCGTGGCGCGAAGACTATATGCTG

GACGAGATGGAACGAGCTTTGCACGATACGCTTTCCATTATCAAGCGTACGCTTGAGA
GTGGCTCTGTAGTTCCAGGCGGAGGTGCTGTGGAGACCGCTCTGAGCATCTATCTT

>Tcp1 (FG850)_*Schizophyllum commune*

GTCCGCAGATGTCGCAAGGAGGACCTGCGCCGAATTGCGAAGGCCACTGGCGGTACC
TTGGTGTGAGCTTGGCAAACCTCGAGGGCGAGGAGACCTTCGAGCCCAGTTACCTC
GGTACCGCGGACGAGGTCGTGCAAGAGCGCATCTCGGACGACGAGCTTATCTTAGTCA
AGGGCACAAAGGTCGTGAGCTCGTCCTCTATCATCCTCCGCGGGCGCCAAGACTACATG
CTCGACGAAATGGAGCGTGCTCTGCATGACACTCTTTCCATCATCAAGCGGACGTTGG
AGAGCGGGCGCCGTTGTCCCCGGTGGCGGAGCCGTCGAGTCTGCCCTCAGCATATACT
C

>Tcp1 (FG850)_*Trametes versicolor*

GTCCGCAGGTGTAGGAAGGAGGACTTGCGCCGCATCGCGAAGGGCGACCGGCGGTACT
CTGGTCTCCAGTCTTGCCAACCTTGAGGGCGACGAGTCTTTCGAGGCTAGCTTCCTCG
GCCACGCCGACGAGGTTGTTTCAGGAGCGCATCTCTGACGACGAGCTCATCTCATCAA
GGGCACGAAAGTCGTGAGCTCGGCTTCCATTGTGTTGCGCGGGCGGAAGACTACATGC
TCGACGAAATGGAGCGTGCGCTCCATGACACCTTGTCATCATCAAACGGACCCTGGA
GAGTGGTTCCGTGGTTCCCGGCGGTGGCGCCGTCGAGACAGCCCTCAGCATCTACCTA

>Tcp1 (FG850)_*Stereum hirsutum*

GTTCGTGCGGTGTAGAAAGGAGGACCTCCGTCGTATTGCGAAGGCAACCGGTGGTCAA
CTCGTTTCGAGTCTTGCAAACCTGAACGGCGACGAGACCTTCGAGGGCGAGCTTCTTGG
GTACCGCGGAGGAAGTCGTGCAAGGAGCGGATATCAGATGACGAGCTGATACTGGTCAA
GGGCACGAAAGTCGTGAGCTCTGCGTCGATCATCTTGCCTGGCGCGAAGATTATATGTT
AGACGAGATGGAGAGGGCTCTGCACGATACGCTTTCGATTATCAAGCGCACGCTCGAG
AGTGGCTCTGTAGTTCCCTGGAGGAGGAGCGGTGGAGAGTGCCTGAGCATCTACCTG

>Tcp1 (FG850)_*Gymnopus androsaceus*

GTTCGCAGATGTCGAAAGGAAGATCTACGAAGGATCGCAAAGGCTACAGGCGGTCAA
CTGATTTCTACTCTTGCCAACTTGAGGGGAGAGGAGAGTTTCGAAGCTAGTTATCTCG
GACGGCGGAAGAAGTTGTTCAAGAGCGAATTCGGACGACGAGCTCATCTTGATCAA
GGGCACGAAAGTCGTCAACTCCTCATCAATCGTCCTCCGAGGTGCAAAGACTACATGC
TCGATGAAATGGAGAGAGCGTTACACGATACCTTTCCGTTATCAAGCGGACTTTGGA
GAGTGGTTCCGTGGTTCCCTGGTGGTGGTGTGCTGTAGAATCCGCACTGAGCATCTACCTG

>Tcp1 (FG850)_*Lactarius quietus*

GTCCGCCGTTGCAGAAAAGAGGATCTTCGCCGCATTGCCAAGGCCACTGGTGGGCAG
CTTGTCTCGAGCCTGGCAAATATGGATGGAGAAGAGACATTTGAGCCGATCTATCTTGG
CACAGCGGAAGAGGTCGTGCAAGAGCGCATTTCCGACGATGAACTCATCTTAGTAAAG
GGAACGAAGGTGGTCAACGCGGCCCTCTATCATCTCCGCGGTGCCAAGATTACATGCT
CGACGAGATGGAACGCGCATTACACGACACATTATCTGTGATCAAGCGGACATTAGAG
AGCGGGACCGTTGTGCCTGGCGGAGGTGCCGTAGAGTCCGCACTAAGCATCTATCTG

>Tcp1 (FG850)_*Agaricus bisporus* var. *bisporus*

GTCCGCCGTTGTAGAAAGGAAGATCTTCGTCGGATTGCTAAAGCCACCGGTGGCCAAC
TCATCGCTAGTATGGCCAATCTGAACGGAGACGAGACCTTTGAAGCCAGCTATCTTGGC
ACTGCCGATGAAGTTGTGCAAGAACGCATTTTCAGACGATGAACTCATATTAGTTAAAG
GGACAAAAGTGGTTAATTCCGCATCGATCGTACTTCGTGGAGCCAAGATTTTCATGTTGG
ACGAGATGGAGAGGGCACTTCATGACGCATTATCTATTATCAAACGAACATTAGAGAGT
GGTGCCGTTGTTCCGGGCGGAGGGCGCAGTTGAATCGGCCCTGAGCATCTACCTG

>Tcp1 (FG850)_*Hygrophoropsis aurantiaca*

GTCCGCCGCTGTCGCAAAGAGGATCTGCGCCGCATTGCAAAGGCTACTGGCGGAACTC
TGGTGTCCAGCCTTGCTAACCTTGAAGGCGATGAGACCTATGAAGCGAGTCTACTAGG
CACCGCCGATGAAGTCATCCAGGAACGCATCTCCGACGACGAATTGATACTGATCAAG
GGCACGAAAGTGGTCAACTCTGCATCCATTGTTTTGCGTGGTGCTAAGACTACATGCTC
GATGAAATGGAGAGAGCACTACATGATACGCTGTCTATTATCAAACGGACGTTGGAGA
GTGGCTCAGTTGTTCCCTGGTGGAGGTGCAGTGAATCTGCATTGAGTATCTACCTT

>Tcp1 (FG850)_*Serpula lacrymans* var. *lacrymans*

GTACGTCGTTGTGCGAAGGAAGATCTCCGCCGTATTGCGAAGGCAACAGGCGGAACCA
TGATTTCAAGTCTTGCCAATCTCGAAGGAGAGGAAACATACGAGTCGAGTTATCTAGG
TTATGCCGACGAAGTCATTCAAGAGCGTATCTCGGATGATGAACTCATTTTGATCAAGG
GAACAAAAGTTGTGAGCTCGGCGTCCATTGTCTTACGAGGTGCAAAGATTATATGCTG
GATGAGATGGAACGAGCATTGCACGATACGTTGTCTGTGATCAAGCGTACTTTAGAAA
GTGGCGCCGTTGTCCCTGGTGGAGGGGCGAGTGGAGTCTGCTTTGAGCATTACCTT

>Tcp1 (FG850)_*Boletus edulis*

GTGCGTCGTTGCCGCAAGGAGGATCTCAGGCGTATCGCAAGAGCCACAGGGGGAACC
CTGATTTTCGAGTCTCGCAGATCTTGAAGGAAATGAGACTTATGAATCCAGCTACTTGGG
CGTAGCAGAGGAAGTCACACAGGAACGCGTTTTCCGACGACGAGCTTATTCTCATCAAG
GGGACAAAAGTTGTCAACTCCGCGTCCATTGTTTTACGTGGCGCGAAGATTATATGCTA
GATGAAATGGAGCGGGCATTGCACGACACATTATCCATCATCAAGCGAACTCTTGAGA
GCGGGTCAGTCGTTCCGGGTGGAGGTGCGGTGCAATCTGCTCTGAGCATCTATCTC

>Tcp1 (FG850)_*Pluteus cervinus*

GTCCGGCGGTGTAGAAAGGAGGACTTGAGGCGGATCGCCAAAGCTACAGGAGGCACG
CTGGTGTCCAGTTTGGCCAACCTTGATGGTGAAGAAACATTCGAACCGAGCTACCTCG
GAACTGCAGATGAAGTCGTGCAAGAGCGGATATCGGATGACGAGCTAATCCTAATCAA
GGGGACCAAGGTCGTGAACTCTGCGAGTATAGTTCTCCGCGGGGCGAAGACTACATGC
TTGATGAAATGGAGCGCGCACTGCACGACACTTTATCCGTGATCAAACGGACACTGGA
GAGTGGTGTGTGGTCCCAGGTGGGGGTGCTGTGCAATCTGCCTTGAGCATCTATTTG

>Tcp1 (FG850)_*Gymnopilus chrysopellus*

GTACGTCGGTGCAGGAAGGAGGACCTTCGCCGGATAGCCAAGGCTACCGGAGGCCAA
CTGGTTTCCAGTCTGGCAAACCTTAGAGGGTGAAGAAACATTCGAAGCCAGCTACCTTG

GTACAGCGGAGGAAGTCGTCCAGGAGCGCATTCTGACGACGAACTCATTTTGATCAA
AGGCACGAAAGTGGTCAACTCTGCCTCGGTTATTCTTCGAGGTGCAAAGACTACATGC
TGGATGAGATGGAGCGTGCCCTGCATGATACATTGTCGATCATTAAACGGACGCTTGAA
AGCGGGGCTGTTGTGCCTGGTGGCGGCGCCGTAGAAATCGGCGCTCAGCATTTATTTG

>Tcp1 (FG850)_*Coprinopsis cinerea*

GTCCGTCGTTGTGCGCAAGGAAGACCTCCGCCGTATCGCGAAAGCCACCGGTGGACAG
CTCATCTCCAGTCTTGCCAACTTGGAGGGTGAAGAAACGTTTCGAGGGCAGCTATTTGG
GTACTGCCGACGAAAGTGATTGAGGAGCGCATTGCGGACGACGAACTCATCCTGATCAA
GGGTACCAAAGTAGTCAGCTCGGCATCGATCATTCTCCGAGGTGCCAAGAATCGATGT
TGGATGAGATGGAAAGGTGCTTGCATGACACTCTTTCTATCATCAAGCGAACGCTCGA
AAGCGGCGCCGTGGTGGCCGGAGGTGGTGCGGTTGAGTCGGCTCTGAGTGTTTATCTT

>Tcp1 (FG850)_*Fomitopsis pinicola*

GTCCGCAGGTGTAGGAAGGAAGACCTGCGTAGGATAGCGAAGGCAACCGGCGGCACC
CTCGTCTCAAGTCTTGCAAACCTTGAAGGCGAAGAATCCTACGAAGCCAGCTACCTTG
GTACTGCTGAAGAAGTGGTTCAGGAGCGGATCTCCGATGATGAGCTCATCCTGGTCAA
GGGCACCAAGGTGGTCAGCTCAGCGTCCATCATCCTTCGAGGGCGGAAGACTACATGC
TTGATGAGATGGAGAGGTCCCTCCATGACGTTCTGTCTATCCTCAAGCAAACACTCGA
GAGCGGAGCTGTGGTTCCCGGGGGTGGTGCGGTCGAGAGCGCACTCTCCATCTATCTA

>Tcp1 (FG850)_*Gautieria morchelliformis*

GTTAGACGTTGCAAGAAGGAAGACCTAAGACGTATTGCCAAGGCAACGGGTGCAACA
CTGGTATCCAGTTTGGCTAATCTCGAGGGAGAAGAGACGTTTGAAGCGAGCAATTTGG
GAATCGCCGAGGAGGTGCGCGAGGAGCGCATATCGGACGACGAACTCATTTAATTAG
AGGCACCAAAGTCATCAATTCCTCCTCGGTCGTATTGCGAGGTGCCAAGACTACATGCT
CGATGAAATGGAACGGGCATTGCATGACACTTTATCGATCATCAAGCGGACATTGGAG
AGTGGCGCTGTCGTTCCAGGCGGTGGCGCTGTCGAGTCAGCGCTGAGCATTTACCTG

>Tcp1 (FG850)_*Ramaria acris*

GTCAGGCGCTGCAAAAAGAAGATCTCAGACGTATCGCGAAGGCAACAGGTGCCACA
TTGGTTTCCAGTCTTGCTAACCTTGAAGGGGAAGAAACGTTTGAACGAGCAATTTGG
GTTCCGGCCGAAGAAGTCGTACAGGAACGTATTTCCGACGATGAGCTCATTTTGATCAG
AGGCACTAAGGTCGTCAACTCGGCATCAGTGGTTTTGCGAGGTGCCAAGATTACATGC
TTGACGAAATGGAGCGGGCCTTGCACGATACATTATCCATTATCAAACGGACGTTGGAA
AGTGGCGCTGTAGTCCCTGGAGGTGGTGGCGTTGAGACCGCCCTCAGCATCTATCTT

>Tcp1 (FG850)_*Fomitiporia mediterranea*

GTCCGACGGTGTGTAAGGAAGACCTTCGTGCTATTGCAAAGGCGACGGGAGCAACG
TTGGTTTTCGAGTCTTGCCAAATTTGGAAGGTGATGAGACCTTCGAAGCAAGCAATCTTG
GTTTCGCAGAGGAGGTGCTGCAAGAAAGGATATCAGACGATGAGTTGATCCTCGTCAA
GGGGACGAAGGTTGTCAACTCGTCCTCAATCGTGCTCCGCGGTGCGAAGATTACATGT
TGGATGAGATGGAGCGAGCAATACATGATTCATTATCCATCATTAAAGCGCACACTGGAG
AGTGGGACTGTTGTTCCAGGTGGAGGTGCTGTCGAGACGGCACTGAGCATTTACCTC

>Tcp1 (FG850)_*Amanita muscaria*

GTCCGTCGGTGCAAAAAGGAAGATTTACGACGCATTGCCAAGGCCACAGGTGGCCAG
CTTGTTTCAAGCCTTGCAAACCTCGAGGGAGAGGAAACCTTCGAACCAAGCTATCTTG
GCATCGCTGACGAGGTTGTGCAAGAGAGGATCGCAGACGATGAACTCATACTTGTCAA
GGGCACCAAGGTGGTTAGCTCGGCGTCTATTGTCCCTTCGAGGTGCAAAGACTACATGC
TGGACGAAATGGAAAGGGCAATACATGACACGTTGAGTGTGATTAACGGACACTTGA
AAGTGGTGCAGTGGTCCCTGGAGGTGGCGCTGTGGAAACTGCGCTAAACATATACCTC

>Tcp1 (FG850)_*Marasmius fiardii*

GTTTCGTAGGTGCCGCAAAGAAGACCTACGAAGGATAGCTAAAGCCACTGGGGGTCAA
CTTATCTCGAGTATGGCTAATCTCGAAGGGGAGGAAACCTTTGAAGCTAGTTATCTTGG
GTCGGCGGAGGAGGTTGTACAAGAGAGAATCTCGGATGATGAGCTGATTTTGATAAAG
GGGACAAAGACGGTTAGTTCTGCGTCGATTGTGTTGAGGGGGGCGAAGATTATATGCT
TGATGAGATGGAGAGAGCGATGCATGACACGCTCTCGATTATCAAGAGGACGTTGGAG
AGTGGGGCTGTGGTTCCTGGTGGGGGGGCGGTTGAGAGTGCCTGAGTATATATTTG

>Tcp1 (FG850)_*Calocera cornea*

GTGCGAAGGTGTAGGAAGGAGGACCTCCGGCGGATAGCACGCGCGACTGGTGCGACT
CTCATCTCCGACATGGGCGATCTGGACGCAAATGAGACATTCGAGGCCTCCTACCTCG
GGACTGCTGAAGAAGTCGTGCAGGAACGCATCTCCGACGACGAGCTCATTCTCGTCA
AGGGTACAAAGGTTCGTCAACTCCAGCTCGATCATCTTGCGTGGAGCGAAGACTATATG
CTGGACGAGATGGAGCGTGCATTGCATGACACCCTCTCGATCATCAAGCGGACGCTGG
AGAGCGGGCAGGTGGTGCCTGGTGGTGGTGCGGTGGAGACCGCTTTGAGCATCTATCT
G

>Tcp1 (FG850)_*Auricularia delicata*

GTCCGGCGGTGTAAGAAGGAGGACCTGCGCCGGCTTGCCAAGGCCACCGGCGCGACG
ATGGTCTCCGACCTGACGAGCGTCGAGGGCGAGGAGGTCTTCGACGCGTCCAACCTC
GGCACCGCGGACGAGGTCGTCCAGGAACGGATATCCGACGACGAGTGCATCCTCATCA
AGGGCACTAAGCTCGTTCAAACGTCGTCCATCATCCTGCGCGGAGCGAAGACTACATG
CTCGACGAGATGGAGCGCTCGGTGCACGACGTCTTGTCTGCGCTGAAGCAGGTATTGG
AGAGCGGGGCTGTGTTGCGGGCGGCGGCGCTACAGAAGTTGCGCTCAGCATCTACTT
G

>Tcp1 (FG850)_*Rhizopus microsporus*

GTTTCGTCGTTGTAAGAAGGAAGACTTGAAGCGTATTGCCAAGGCCACAGGTGCTACTT
TGATCTCTTCTTTGGCCAACTTGGAAGGCGAAGAAACATTTCGAAGCTAGCTATCTCGGT
CATGCCGAAGAGGTTGTTCAAGAACGTATCTCTGACGATGAATGTATTTTAGTAAAGGG
CACAAAGATACAAAATTCTGCATCTATCATCTTACGTGGTGCTAAGACTATATGCTTGAC
GAAATGGAAAGATCACTCCATGACGCCCTTTGTGTTGTTAAAAGAAGCTTTAGAGAGCA
ACAGCGTCGTGCCTGGTGGTGGTGGCGTTGAGTCAGCCTTAAGCGTATACCTC

>Tcp1 (FG850)_*Asperigillus triticus*

GTTCGCCGCTGCAAGAAGGAGGACTTGAGACGCATTGCCAAGGCTACCGGAGCCACC
TTGGTCAGCACGCTCTCCGATCTCAACGGAGACGAGAAGTTCGAGGCTTCGAACTTGG
GACATGCGGAGGAAGTTGTTTCAGGAGCGGGTATCCGACGATGAGTGTATCCTCGTGAA
AGGCACCAAGGTCCACACTGCGGCGTCCATCGTCCTCCGAGGACCCAAGATTCAGCT
TAGACGAGATGGAGCGTTCAGTCCACGATTTCGCTGTGCGCCGTCAAGCGAACCTTGGA
AAGCGGTAGCATCGTCCCCGGTGGTGGCGCCGTGAGACGGCCCTTCACATCTACCTC

>Tcp1 (FG850)_*Neurospora crassa*

GTGCGCCGCTGCAAGAAGGAGGATCTTCGTGCGATCGCCCGTGCCACCGGCGCCACCC
TCCTCAGCACTCTTTCCGATCTCAATGGCGACGAGAAGTTCGAGCCCTTTACCTGGGT
CACGCCGAGGAGGTTGTGCAGGAGCGCATTTCGACGACGAGTGCATCTTGATCAAG
GGTACCAAGGTTCACTCTTCGGCTTCCATCATTCTCCGTGGCCCCAAGACTTCACCCTC
GACGAGATGGAGCGCTCGGTTACGACAGCTTGTGCGCCGTCAAGCGTACCTTGAG
AGCGGCAGCATTGTGCCCGGTGGTGGCGCGGTGAGACGGCTCTGCACATCTACCTG

>Tcp1 (FG850)_*Agaricostilbum hyphaenes*

GTACGCAGATGCAAGAAGGAAGATCTCAGACGTATTGCAAAGCAACAGGGGCGTCCG
TTGGTCAGCTCTTTGGCGAATCTGGAAGGCGAAGAGACATTCGAGAGCTCCATGTTGG
GTCAGGCAGAAGAGGTCGTGCAGGAGAAGTTTGGTGACGATGAGTGCATTTTGGTCA
AGGGTACAAAGGTTCGTTTCAAGCTCCAGCATCATCTTGAGAGGCGCGAAGACTATATG
CTCGACGAGATGGAGCGATCGCTACACGACGCTCTGTCCATCATCAAGCGTACCCTCG
AAAGCGGCTACGTTCGTCAGGCGGTGGTGCATCGAGACAGCTCTATCCATCTACCT
G

>Frs2 (MS524)_*Tricholoma matsutake*

ACGCACCTGGCTGAATTCATCAGGTGGAAGGAGTTGTTGCTGATCGGGGACTGACGT
TAGCCGACCTCATCGGTGTGTTCCCTTTAGGAGGCTTATTTATGCACCAGGCTTTATGAG
GGTTTTCTTCGAAAAGATGGGCATTGACAGGGTGAGGTTCAAACCTGCCTACAACCCT
TACACCGAGGTCTGTTTATTGTCATCCACTGACCATCGCATCATAGCCCTCTCTCGAAAT
TTTTGCTTTCCATCCAATGCTCAACCGCTGGGTGGAGGTTGGAAACAGTGG

>Frs2 (MS524)_*Gymnopus androsaceus*

ACTCATTTAGCCGAATTCCATCAAGTTCGAAGGTGTCGTTGCAGATAAGGGATTGACTCT
CGCCGACCTGATTGGTGAGATGACTTGAAGTTACGATTTTCTTATTTACTTCTATCTAGG
TTTCATGAGAGTGTTCTTCAAAAAGATGGGCATTGAAAAAGTCCGCTTCAAGCCAGCA
TATAACCCTTACACGGAGGTTAGAAATATTTTCGTATCGAATCTTCTAACGCAGTTCATAG
CCTTCACTTGAGATCTTTGCTTTCCATCCATGCTGGACAAATGGGTTGAGGTTCGGTAA
CAGCGG

>Frs2 (MS524)_*Laccaria bicolor*

ACTCATTTGGCAGAGTTTCATCAAGTGGAGGGTGTGTTGTAGCTGACCGTGACCTGACAT
TGCCCGACCTTATTGGTGAGTTCAACTCAAGTCACCCTGGTCGTATATTGTGAACCTCG
TAGGGTTCATGAGAGTATTCTTTAAAAAATGGGCATTGAGAAAAGTGAGGTTCAAACC
AGCCTATAACCCCTACACTGAGGTAGGTAATGCTAAGATCGAACTAGTGAAGGAGAT

GTCTAGCCTTCTCTGGAAATCTTCGCATTCCACCCCATGCTGAATCGGTGGGTAGAAGT
GGGAAATAGTGG

>Frs2 (MS524)_*Asperigillus triticus*

ACCCACCTGGCAGAGTTCCACCAGATCGAGGGTGTTCATCGCCGACTTCGGGCTCACGC
TGGGCGGCCTGATCGGCTTCATGGAGGTCTTCTTCGCCAAGATGGGCATCCACCAGCT
GCGCTTCAAGCCCGCCTACAACCCTTACACCGAGCCAGCATGGAGATCTTCGGCTAC
CACGAGGGTCTGGGCAAGTGGGTGGAGATCGGTAACAGCGG

>Frs2 (MS524)_*Schizophyllum commune*

ACGCATCTCGCGGAGTTCCACCAGGTGAGGGCGTTCGTCGCGGACCGCGGACTCACG
CTCGCCGACCTCATCGGCTTCATGCGCGTCTTCTTCGCGAAGATGAGCATCGAGCAGG
TGGCCTTCAAGCCCGCATAACAACCCGTACACGGAGCCTTCCCTCGAGATCTTCGCCTTC
CACCCCATGCTGCAAAAGTGGGTGGAGGTTCGGCAATAGTGG

>Frs2 (MS524)_*Mycena crocata*

ACGCACCTAGCCGAGTTCCACCAGGTAGAGGGTGTTCGTCGCGGACCGCGGACTCACT
CTGGCCGACTTGATTGGCTTCATGAAAGTCTTCTTCAGTAAGATGGGTATTAAGCAGGT
CAGATTCAAGCCCGCGTACAACCCATACACGGAGGTCTGTCCCTGCTTCACGAGTGGT
GCCTGATGTGCAATACAGCCTTCCCTGGAAATTTTTGCATTCCACCCCATGCTAGACCG
GTGGGTGAGGTTGGGAACAGCGG

>Frs2 (MS524)_*Coprinopsis cinerea*

ACCCACCTCGCCGAGTTCCATCAGGTGGAGGGCGTTGTAGCGGATCGCGATCTGACTC
TTGCAGATTTGATTGGTTTTCATGAGGGTGTTCCTTTAGCAAGATGGGGATCGAACAGGTC
CGATTCAAGCCTGCCTATAACCCCTACACCGAGGTATGTTGTAGCAATGGCTCACGCAC
CGTTTGGTTGGTGTAGCCGTCCTAGAGATTTTCGCCTTCCACCCACTGCTTAACAAAT
GGGTCGAGGTGGGCAACAGCGG

>Frs2 (MS524)_*Hygrophoropsis aurantiaca*

ACGCATCTCGCGGAGTTCCACCAGGTAGAGGGCGTTCGTCGCGGACCGGGGACTGACC
CTCGCTGATTTGATCGGTACACCCCTCCTTCCTCGTCGCCCCGCACCCCACTT
ACAGGTTTCATGCGCGTCTGGTTCAACAAGATGGGGCTACCAACCTCCGCTTCAAGC
CCGCGTACAACCCGTACACCGAGCCCTCGCTCGAGATCTTCGCGTTCCACCCGATGCT
CCGCAAGTGGGTTCGAGATCGGGAACAGCGG

>Frs2 (MS524)_*Auricularia delicata*

ACCCATCTCGCCGAGTTCAACCAGGTGAGGGCGTTCATCGCGGACCGTGGCCTCACTC
TGGGTGACCTCATCGGTGCGCGCTTCCGTTACGCGCATCCAACGGGGTGGGTGGGAT
ATAGGCTTCATGGAGGTGTTCTTCGGCAAGATGGGACTATCGCAGTTGCGCTTCAAGCC
GGCGTACAACCCGTACACGGAGCCGTCGCTCGAAATCTTCGCCTTCCACCCGCAGCTG
AAGCGGTGGGTGGAGATTGGAAACAGCGG

>Frs2 (MS524)_*Lactarius quietus*

ACGCATCTGGCGGAGTTTCACCACGTCGAGGGCGTCGTTGCGGACCGCGGGCTGACG
CTCGCCGATCTGATAGGTCCGTGAGGCGGACCCACGCGTGTCACTGATGGCGTTGTT
TCCAGGTTTCATGCGAGTATTCTTCAGCAAAATGGGGATCAAAAACGTCCGCTTCAAG
CCTGCATAACAACCCCTACACAGAGGTGACTCAGTTTTTTGAAGATAATGATCAATGTCSA
CTTGTAGCCGTCCCTCGAGATCTTCGCGTTCACCCGATGCTGAACAAGTGGGTCSAG
GTGGGGAACAGCGG

>Frs2 (MS524)_*Fomitopsis pinicola*

ACGCACCTGGCCGAATTCACCAGGTCSAGGGTGTCSGTTGCAGACCGTGGGCTGACA
CTTGCSAGACCTCATTGGTGAGCGTCTGCTACCTCSGTGTCACTGTGACATGCSGTCSATGC
GCAGGCTTCATGAGGGTCTTCTTCAACAAGATGGGCATCAAGAATATCCGCTTCAAGC
CCGCTTACAATCCGTACACGGAGGTTCSGTTGGGCTATTGCTACATGGAACTAAATCTCS
ATTCAGCCGTCACTAGAGATCTTCGCTTCCATCCCCAGCTCCGTAATGGGTCSGAAGT
AGGGAACAGCGG

>Frs2 (MS524)_*Trametes versicolor*

ACCCATTTGGCGGAGTTCCACCAGGTCSAGGGCGTCSGTCGCGGACAAGAACTTGACC
CTTGCSAGACCTCATCSGGTGCSCCTCAGCAATCTTATGCACGACTGACAGATAGTTTTT
GTAGGCTTCATGCSGCTGTTCTTCAAGAAGATGGGCATCACGAACATCCGCTTCAAGC
CGGCATAACAACCCGTACACCGAGGTCSGTCGTCCTCSGGCSACTCCATTCCCCCGTCCC
TGCACAGCCCTCSGTCGAGATCTTCGCTTCCACCCGCSAGCTGAGCAAGTGGGTCSGAG
GTCGGGAACAGCGG

>Frs2 (MS524)_*Phanerochaete carnosae*

ACACACTTGGCCGAATTCATCAAGTGGAGGGTGTCSGTTGCCGACCGTAACTTGACAC
TGGCGGATCTTATTGGTATGTCAACTTGCTTTTTACGCTGCCCCCGTCSAGGCTTCATGC
GCGTCTTCTTCAAGAAAATGGGGATCSGAGAACATCCGTTTCAAGCCTGCTTACAACCC
GTACACGGAGGTACATCTCSGAAATGTTTCCGCACTTCTGAAGTATTACCGTAGCCGTCSAC
TAGAGATCTTTGCCTTCCATCCGCTACTTAAAAAGTGGGTCSGAAGTCSGGCAACAGTGG

>Frs2 (MS524)_*Gymnopilus chrysopellus*

ACACATTTGGCCGAGTTCCATCAAGTCSAGGGTGTCSGTTGCTGATCSGAACTTAAACGC
TGGCCGATCTAATTGGTTCGTTTAAATGTCAAGCCACTCAACATCTTCCAGGTTTCATGA
GGGTCTTCTTCSAGCAAGATGGGCATCSGAGCGTGTTCGTTTCAAGCCGGCATATAATCCC
TACACGGAAGTCSGATTACCAAAGCCCGTCTTCTGTCTCACATCCGTATAGCCCTCCTT
AGAGATTTTCSGCTTTCACCCGTTGCTGGATCSGATGGGTAGAGGTTGGTAATAGCGG

>Frs2 (MS524)_*Marasmius fiardii*

ACGCATCTTGCSAGAGTTTCATCSAGGTCSAGGGCGTGTGCTGATCSGTTGGGCTTACTTT
GGCGGACTTGATAGGTATGTGTCCCGTGCCTTCCGCTTTCCTTCSGTTCCCTAAAAACT
AGGCTTTATGCSGCTGTTCTTCAAAAAAATGGGCCTAGAACAAGTCCGCTTCAAACCA
GCTTACAATCCATACACCGAACCTTCSGCTCSGAAATTTCSGCTTTCACCCCTCTTTTACAG
AAATGGGTGAAGTTGGGAATTCAGG

>Frs2 (MS524)_*Agrocybe pediades*

ACACATCTTGCCGAGTTCCATCAAGTAGAGGGCGTCGTCGCTGACCGCAACCTGACAT
TAGCTGATTTAATCGGTTTCGTTTGCGGGAACCTTTTGTTCACCTCACATTTTATATAACC
AGGATTCATGAGAGTTTTCTTCCAAAAGATGGGTATCGAGAAAGTCCGCTTCAAACCT
GCTTACAATCCTTATACGAGGTGATTCACCCTTTTTTTGAATGTGTTAAGACGGTATTT
TAGCCTTCTCTTGAAATCTTTGCCTTCCACCCTATGTTGGACAGATGGGTGGAAGTCGG
CAACAGCGG

>Frs2 (MS524)_*Serpula lacrymans* var. *lacrymans*

ACGCATTTGGCTGAATTCCATCAGGTGGAGGGAGTCGTTGCCGACCGGAACCTTACAC
TAGCAGATCTGATAGGTGCGTTTCGTGTTATCAAGCATATGTATGATCTTGCTTGTGTT
AGGGTTCATGAGAGTCTTCTTCAAGAAAATGGGAATTGAAAATCTAAGGTTCAAACCT
GCGTTCAACCCCTACACAGAGGTATGGCCTTCTTCTCTATCTCAACTTACATCACATAA
AAGCCATCCTTGAAATCTTTGCTTTCCATCCCTACCTGAACAAGTGGGTTGAAATAGG
CAACAGTGG

>Frs2 (MS524)_*Agaricus bisporus* var. *burnettii*

ACCCATCTAGCCGAGTTCCATCAAGTTGAGGGCGTGGTCGCGGACCGTGGCCTTACCT
TAGCTGATCTCATTGGCAAGCGATCTTGCTTTCATCGACTAGTTCAACTTACGGGAACA
CAGGCTTTATGCGCGTCTTTTTCAAAAAAATGGGCATAGAAAATGTAAGGTTCAAACC
AGCATAACAACCGTACACTGAGGTATGTACGATATTATCGACCACATCTTGATTTGTTTT
CTAGCCTTCCTTAGAGATATTGCCTTTCACCCTATGCTTAACAAATGGGTTGAAGTAGG
AAATAGTGG

>Frs2 (MS524)_*Amanita muscaria*

ACGCATCTAGCAGAATTTTCATCAAGTAGAAGGAGTCGTCGCGGATCGTGGACTCACTC
TTGCTGATCTTATCGGTATAATCAGTCACATCTCAATTGGAATGCTCTAGGGTTTATGCG
TGCTTCTTCCGTAAGATGGGAATAGAAAAAGTCAGATTCAAACCAGCATAACAACCCCT
ATACCGAGGTACATGGACTTTGGTCAACCTACTTCTGACCGACGTTCTAGCCTTCATTA
GAGATCTTTGCGTTCCATCCGCTCCTGGATAAATGGGTTCGAGGTCCGAAATAGTGG

>Frs2 (MS524)_*Pluteus cervinus*

ACGCACCTTGCTGAATTCATCAAGTAGAGGGTGTGTTAGCTGACCGTGGGTTGACTC
TGGCAGACTTACTTGGTACGAGCTGTTCTAGGTTATTGACTACCTGCAAGGCTTCATGC
GTGTCTTCTTCAATAAGATGGGAATCGAAAAGGTCAGGTTCAAACCTGCATAACAACC
ATATACGGAGGTACGAGTCCCTCCCATCTCATACTTAACATTATAAATTAGCCTTCCATG
GAAATTTTTGCATTCCATCCGCTGCTCGACAGATGGGTGGAGGTTGGTAACAGTGG

>Frs2 (MS524)_*Boletus edulis*

ACACACTTGCGTGAATTTTCATCAAGTGGAGGGCGTCGTTGCCGATAGAAATCTAACGC
TGGCTGACCTCATCGGTAAGTTGCAATATGTACGTTTTTGTATTACTGAACAAGACCCT
AGGATTTATGCGAGTGTTCTTCAAAAAAATGGGCATGACTGATATCCGTTTCAAACCCG
CATAACAACCCCTACACAGAGGTCCGTATCAATGAATGCTTTGACCATATTGACATGGTG
CAGCCGTCACCTGAGATCTTTGCTTTCCACCCCATGCTTCAAAGTGGGTTGAGATCGG

GAACAGTGG

>Frs2 (MS524)_*Gautieria morchelliformis*

ACCCATCTAGCAGAATTTTCATCAAGTTGAGGGTGTGTTGTGGCAGATCGAGGACTAACATT
GGGCGACCTTATCGGTAATGGATGTTGTATTACTGTGCGGATTTTGCTTGGTGTTTTACA
GGTTTCATGCAGACGTTCTTCAGCAAAATGGGCATCACGAACCTACGGTTCAAGCCCG
CATAACAACCCCTATACCGAGGTAACCTCCAAATTCTCATCCTCTGACGCAATTGTTATCC
AGCCTTCGCTAGAGATATTCGCCTACCATCCGGCATTGAATAAATGGGTAGAAATTGGG
AACAGCGG

>Frs2 (MS524)_*Ramaria acris*

ACGCATCTTGCAGAATTCACCAAGTCGAGGGTGTGTTGTGGCAGATCGAGGCTTGACTT
TAGGGCGACCTTATCGGTAATAAGATGTGTGCGGTACTATGAACAAATGATGTAATCTTCT
AGGCTTCATGCAGACCTTTTTTCAGCAAAATGGGTATCGAAAACCTGAGATTCAAGCCA
GCATATAACCCATATAACAGAGGTAACCTTTCTCTTCTTTTTTCATGTGCTGAGAGATTGTGAT
AGCCGTCGCTTGAAATTTTTGCTTTTCATCCAGCATTGGACAAGTGGGTAGAAATTGGT
AATAGTGG

>Frs2 (MS524)_*Fomitiporia mediterranea*

ACTCATCTCGCTGAGTTCCATCAAGTAGAGGGCGTGTGTTGCTGATCATAACATTACTTT
GGGAGATCTCATTGGTGTGTTACTTCTTTTCGTAATAACGACTTATTCCGACTTGTGCAA
GGTTTCATGGCTACGTTCTTCAATAAAATGGGTATCCAAGACCTGAAATTCAAGCCCGC
GTACAATCCTTACACAGAAGTTCGTACCCAGATACAGATCCTTAATAGTTTCATTATCA
GCCGTCCTAGAGATTTTTGCTTTCCATCCCACATTGAACAAGTGGGTAGAGATTGGGA
ACTCCGG

>Frs2 (MS524)_*Dacryopinax primogenitus*

ACCCATCTGGCAGAGTTCCACCAAGTTGAGGGTGTGGTAGCGGATAGGGGGCTCACGC
TTGGCGACCTGATTGGTATGCCCTTTTATTTTTTCGAGACAAATTGATATGCCACTTAGG
TTTCATGCAAACCTTCTTCGCGAAGATGGGCTTGCCAAATCTACGCTTCAAGCCGGCGT
ATAATCCATACACAGAGGTCAGTTTGATAGACGTATCACGTGATCATATCCATCTAGCC
GTCCCTGGAGATTTTCTGCTGGCACCCCTGGATTAGGCAAGTGGGTGAGATTGGCAAT
AGCGG

>Frs2 (MS524)_*Calocera cornea*

ACCCACTTGGCTGAGTTCCATCAAGTAGAGGGAGTTGTAGCGGACAGGGGGCTGACAT
TGGGAGATCTTATCGGTACGTGTAGCTTTGTCTGCTTGTGGATTAGTGATAAGGCATGCC
AGGTTTCATGCAGACTTTCTTCGCGAAGATGGGTCTGCCAAACCTGCGCTTCAAGCCG
GCGTACAACCCGTATACGGAGGTACGAGGGATCCATGTATCACGTGATGATCTGTGCGAT
TTAGCCATCTCTCGAGATCTTCTGCTGGCATCCTGGACTGGGCAAGTGGGTGAGATTG
GCAACAGCGG

>Frs2 (MS524)_*Agaricostilbum hyphaenes*

ACACATTTGGCCGAGTTCCATCAAGTCGAGGGTGTGGTTGCAGACTACAACATCACGC
TCGGCGACTTGATTGGCTTCATGGACATCTTCTTCAGAAAGATGGGCATCACTCAGCTT

CGCTTCAAGCCCGCCTACAACCCTTACACAGAGGTACGTCTGACGGCTACAGAAGACT
GACGAGACTTGCTACAGCCCTCATTAGAGATCTTCTCATACCACCCAGGTCTCAAGAA
GTGGGTCGAGATTGGCAACTCGGG

>Frs2 (MS524)_*Rhizopus microsporus*

ACTCACTTGGCTGAATTCCATCAGATCGAAGGTGTCATTGCTGATAAAAACTTGACCTT
GGGTGATTTGATTGGTTTTATGGATGTCTTTTTCAAAAAGATGGGTATGGACAAGATTC
GTTTCAAGCCCACTTACAACCCTTATACCGAACCTTCTATGGAAATCTTTTCTTATCACG
AAGGATTAAGACTTGGGTCGAAATCGGTAACCTCGGG

>Frs2 (MS524)_*Neurospora crassa*

ACACATTTGGCCGAGTTCCACCAGGTGCGAGGGTGTTCATTGCCGACTATGGCCTGACCC
TCGGTGGTCTGATGGAGTTCATGGAGATCTTCTTCGGCAAGATGGGTCTGCATGATTTG
CAGTTCAAGCCCGCTTACAACCCTTATACCGAGCCTTCAATGGAGATTTCTGTGAGTGCC
GCCATGTCGCCGTCGTTGAAGAAACCGAAACGCTACAAGGGCCTCGGCAAGCTCGTC
GAGATTGGAAACAGCGG

>Gdi1 (FG576)_*Phanerochaete carnos*

CGCAACGACTACTACGGTGGCGAAAGTGCCAGTCTGAACCTGACCCAGGTACGTATCT
TGCCGTAGTATGGCATCACGCCGATATCTGTGACAGCTGTATCGCAAGTTCCGGCCAGA
TGAGACTCCTCCCTCTGAATTGGGACGCGACCGCGACTACGCCGTTGATCTGGTCCCC
AAGTTCATCATCGCGTCTGGCGAGCTCACCAAGATCCTCGTCCACACTGATGTCACCC
GCTATCTCGAATTCAAGCAGATTGCCGGCTCCTATGTGTACCGCGATGGCAAGATCTCC
AAGGTC

>Gdi1 (FG576)_*Marasmius fiardii*

CGCAATGACTACTATGGTGGCGACAGTGCCAGCTTAAATTTGACCCAGGTATTCATATC
GGTTTTTCATCCAGTGATTTAGCGAATCTCCAGCTTTATCGCAAGTTCCGCCCTGACC
AAGCCCCTCCCAGCGAACTGGGTGCGGACCGCGACTACGCCGTCGATCTCGTTCCCAA
ATTTATCATTGCCACCGGAGAACTCACAAAATCTTAGTTTCGCACAGAAGTCACCCGGT
ACCTTGAGTTCAAACAGATCGCAGGTAGCTTTGTCTATCGCGATGGCAAGATTTCAA
AGTG

>Gdi1 (FG576)_*Coprinopsis cinerea*

CGCAATGACTACTACGGTGGTGACAGCGCCAGCTTGAACCTCACTCAGGTACGCAGTT
TCAAAGTCCAACCGACGGAAATGCCTGGCCCTCCAGCTTTATCGCAAGTTCCGCCCTG
ATCAGGCTCCACCCACCGAGCTCGGTGCGGATCGTGACTATGCCATCGACCTCGTCCCC
AAGTTCATCATCGCTTCAGGAGAACTCACAAAGATCTTGGTCCACACCGAGGTCACTC
GCTACCTCGAGTTCAAGCAGATTGCGGGAAGCTTTGTGTATCGCGATGGCAAGATCTC
CAAGGTA

>Gdi1 (FG576)_*Schizophyllum commune*

CGCAACGATTACTACGGCGGCGACAGCGCCTCTCTGAACCTCACCCAGGTGCGTGAGC
TAAAAGTCAGCAAACGCTGACTGCCTGCAGCTCTACCGCAAGTTCCGCCCTGATCAGC

AGCCGCCCGCCGAGCTGGGACGCGACCGCGACTACAACGTCGACCTCATCCCCAAGT
TCATCATCGCATCTGGAGAGCTCACCCGCATCCTCGTGCACACCGATGTTACCCGCTAC
CTCGAGTTCAAGCAGATCGCGGGCAGCTTCGTCTACCGCGAGGGCAAGATCTCGAAG
GTG

>Gdi1 (FG576)_*Fomitopsis pinicola*

AGGAATGACTACTACGGAGGAGACAGCGCGAGTCTGAACCTGACCCAGGTAGGCAGT
CCGACGCGGTGCAACGTCGCCGACTCCTGACACACAGCTCTACCGCAAGTTCAGGCC
CGACAAGACCCCGCCGACCGAGCTGGGGCGCGACCGCGACTACGCCGTCGACCTCAT
CCCCAAGTTCATCATCGCGTCCGGCGAGCTCACGCGCATCCTCGTGCACACGGACGTG
ACGCGCTACCTCGAGTTCAAGCAGATCGCGGGCAGCTTCGTCTACCGCGATGGCAAGA
TCTCCAAGGTA

>Gdi1 (FG576)_*Auricularia delicata*

CGCAACGACTACTACGGCGGGACAGCGCCAGTCTGAACCTGACCCAGGCAAGCAGT
GCCTCTGTGGCTTGCTAGACCCCTTGCGTCTGGCAGCTGTACCGCAAATTCGCCCCG
ACCAGGCCGTGCCGACCGACCTTGGGCGGGACAGGGACTACGCCATCGATCTCATCCC
CAAGTTCATCATCGCGTCCGGCGAGCTACCAAGATCCTCGTCCACACCGACGTGACC
CGCTACCTCGAGTTCAAGCAGATCGCCGGCTCCTTCGTCTTCCGCGATGGCAAGATCTC
CAAGGTC

>Gdi1 (FG576)_*Trametes versicolor*

CGGAACGACTACTACGGCGGTGACAGCGCCAGTCTGAACCTCACGCAGGTAATGCGG
TGGCCGATATCGCGCCTGATAACTCATGTTCTCCAGCTCTACCGCAAGTTCAGACCCG
ACCAGGCCGTTCTGCTGAGCTGGGCCGCGACCGCGACTACGCCGTTGATCTCATCCC
CAAGTTCATCATCGCGTCCGGGAGAGCTAACGCGCATCCTCGTCCACACTGACGTGACG
CGCTACCTCGAGTTCAAGCAGATCGCTGGTAGCTATGTGTACCGTGATGGCAAGATCTC
CAAGGTC

>Gdi1 (FG576)_*Mycena crocata*

AGAAACGACTACTATGGTGGTGACAGCGCGAGTCTCAACCTGACCCAGGTGCATTGCT
GCATTTCTCGCTACCAAAAGCTCACCTCTGCTTAGCTGTATCGCAAATTCGCCCCTGA
TCAGGAAGTTCCCACCGAAGTTGGCCGCGACCGCGACTACGCCGTCGATCTCGTCCCC
AAGTTCATCATTGCCTCGGGCGAGCTCACAAAGATCCTCGTCCACACGGACGTACCC
GATACCTCGAATTCAAGCAGATCGCCGGCAGCTTCGTTTATCGCGATGGCAGGATCTCC
AAGGTC

>Gdi1 (FG576)_*Serpula lacrymans* var. *lacrymans*

AGGAATGATTACTATGGCGGCGACAGTGCCAGTCTAAACTTGACCCAAGTAAGTCAT
AGGTATCACAAATCATGATTTCTGATCATCGTGCAGTTGTATCGCAAAGTTCAGACCAGAT
CAAGCACCTCCTGCAGAACTTGGCCGTGACCGCGATTATGCAGTTGATCTGATCCCCA
AGTTCATCATTGCCTCTGGTGAGCTCACGAAGATCCTGGTTCACACCGACGTACGCG
GTACCTGGATTTCAAGCAGATCGCGGGCAGCTTCGTGTACCGCGATGGCAGAATATCCA
AGGTT

>Gdi1 (FG576)_*Tricholoma matsutake*

CGAAACGATTACTACGGCGGGGACAGCGCCAGTCTTAATCTGACACAGGTCTGTATTTA
TAGAAGCCAGCGCTACCACACTTCCCTAGCTAGTTGTACCGCAAATTCGACCTGATCA
ACCACCTCCTTCTGAGCTTGGTTCGAGACCGTGACTATGCTGTTGATCTGATCCCGAAAT
TCATCATTGCTTCTGGAGAACTCACAAAGATCCTTGTCCACACCGATGTCACTCGATAC
ATGGAATTCAAGCAGATCGCGGGTAGCTTTGTCTACCGTGATGGGAAGATATCCAAAGT
A

>Gdi1 (FG576)_*Laccaria bicolor*

CGTAATGACTACTACGGTGGCGACAGCGCCAGTCTTAATCTGACCCAGGTGGCCCATAC
TGCTGTGGGCATGACCGAAACTCACCCATCCGCAGCTCTATCGCAAGTTCCGACCAGA
CCAAGCCCCACCAACAGCGCTAGGCCGTGATCGTGATTACGCCGTGATCTTGTGCC
AAGTTTATTATTGCGTCCGGGAACTACTAAAATCCTTGTGCACACCGACGTCACCCG
TTATCTTGAATTCAAGCAGATCGCTGGGAGTTTCGTTTATCGAGATGGCAGGATTTCTA
AAGTC

>Gdi1 (FG576)_*Gymnopilus chrysopellus*

AGGAACGATTACTACGGAGGTGACAGTGCCAGTCTGAATCTTACCCAGGTAATGCTTG
CCCCGATCTACCACTTCTCTGACAGCTCTGCGACAGCTCTATCGCAAGTTCCGCCCAGA
CCAAGAACCTCCGACAGAGCTCGGTCGCGACCGTGACTACGCAGTCGACCTTGTGCC
AAATTTATCATCGCATCTGGAGAACTCACCAAGATCTTGGTCCACACCGATGTGACTCG
TTACCTCGAGTTCAAGCAGATCGCTGGTAGTTTCGTTTACCGAGATGGCAGGATTTCCA
AAGTC

>Gdi1 (FG576)_*Stereum hirsutum*

AGGAACGACTACTACGGAGGTGATAGTGCAAGTCTGAACTTGACTCAGGTATGTCGTT
ATCCTATCCATGAAGTGTTCGCTACCCGCGTACAGCTCTACCAGAAGTTCCGTGGTCAA
GCTCCACCAGCCGAGCTGGGGCGCGACAGGGATTACGCCGTGATCTTGTGCCAAGT
TCATCATTGCGTCTGGGGAGCTCACCAAGATCCTCGTCCACACCGATGTTACTCGCTAC
CTCGAGTTCAAACAGATCGCCGGTAGCTTTGTGTATCGCGATGGCAAGATCTCTAAGGT
C

>Gdi1 (FG576)_*Gymnopus androsaceus*

AGGAACGATTACTATGGTGGCGAAAGTGCTAGTTTGAATTTGACTCAGGTACTTCGTAC
ACTGTTGATCAGGGCTAACCTTGCTTAGCTCTATCGCCAGTTCCGTCCTGGACAAGAG
CCACCTTCTGAACTCGGCCGTGACCGAGACTACGCTGTTGACCTTGTCCCAAATTCAT
TATCGCATCCGGAGAGCTCACGCAGATCCTTGTCCACACCGATGTCACTCGCTATCTTG
AGTTCAAGCAGATCGCCGGAAGTTTCGTGTATCGCGATGGGAGAATCTCCAAGGTT

>Gdi1 (FG576)_*Hygrophoropsis aurantiaca*

AGGAATGACTACTATGGTGGTGAAAGCGCCAGCTTAAACCTTACCCAGGTAAAGTATTA
CATCTTGATCCCGTCCCCGTTACCATATCGCAGTTGTATCGCAAATTCAGACCTGGTC

AAGAGCCTCCCACTGAACTTGGGCGTGACCGCGATTACGCTATTGATCTCGTGCCCAA
GTTTATCATTGCCTCGGGAGAACTCACCAAGATTCTTGTGCACACTAATGTCACCTCGCT
ATCTCGAATTCAAGCAGATCGCAGGAAGTTTCGTTTATCGCGACGGCAGGATTTCCAA
GGTC

>Gdi1 (FG576)_*Agaricus bisporus* var. *bisporus*

AGAAATGATTATTATGGTGGTGATAGTGCCAGTTTGAACCTTGACACAGGTAAAAAAA
GATGATATCTCATCTTTAAACTGACATCTTTCTAAGTTGTATCGCAAATTCCGTCCCGAC
CAATCTCCTCCTAGTGAACCTCGGACGCGATAGAGACTACGCCGTGGACCTCGTCCCTA
AATTCATCATCTCCTCTGGTGAACCTTACAGAGATCCTCGTACACACCGACGTCACCTCGA
TACCTCGAATTCAAACAAATCGCTGGAAGTTTCGTTTATCGTGATGGTAGAATCTCAA
GGTT

>Gdi1 (FG576)_*Agrocybe pediades*

AGGAATGACTACTATGGTGGTGACAGTGCCAGTTTGAACCTCACACAGGTGCTATATCT
TGTTTACCCCTTCATCGAGCTCATCCTCACCAAGCTCTACCGCAAGTTCCGTCCAGAC
AAAGAAGTACCGACGACCTTGGACGCGATCGTGACTACGCCGTTGATCTTGTCCCA
AATTCATTATCGCATCTGGGGAGCTCACGAAGATTCTCGTTCACACCGACGTTACGCGT
TACCTCGAATTCAAGCAGATTGCTGGCAGTTTCGTCTATCGTGATGGAAAGATTTCCAA
GGTC

>Gdi1 (FG576)_*Pluteus cervinus*

CGTAACGACTATTATGGTGCAGACAGTGCTAGTTTGAACCTAACCCAGGTATCTCTATC
GCCGTTTCATTCGCGGTCTCCCCCTTCAGCTCTACCGCAAATTCCGTTTCAGGCCAA
GAGCCCCCGGCCGACCTGGGTTCGTGATCGTGACTATGCTGTTCGATCTCATCCCCAAGTT
TATCATCGCATCAGGAGAACTCACAAAGATTCTGGTTCATACCGACGTCACCCGTTATC
TTGAATTCAAACAAATTGCCGGCAGCTTCGTGTACAGGGATGGCAGGATCTCTAAGGT
C

>Gdi1 (FG576)_*Gautieria morchelliformis*

CGTAACGACTATTATGGGGCCGAAAGTGCCAGTTTAAATCTGACTCAGGCGCGCTTGCA
TATCGCAGCTACTACAGACACTGATATATTTGTAGCTCTACCGCAAGTTCCGGCCGTCTC
AAGAACCCCCACAAGAAGTTGGGCGGGATAGGGATTATGCCATCGACCTCATTCCCAA
ATTCATCATTGCCTCTGGCGAGCTACTAAGATGCTTGTCCATACCGACGTCACCCGTT
ACCTTGAGTTCAAGCAGATTGCTGGGAGCTTCGTATACCGTGACGGCAAGATCTCGAA
AGTT

>Gdi1 (FG576)_*Ramaria acris*

CGCAATGACTATTACGGCGCAGAGAGTGCGAGTCTTAACTTGACCCAGGTGTGCTATCT
CCTGTAGCAATTGCCTTCATTGACACATCACTAGCTCTACCGCAAGTTCCGGCCAAAC
CAAGAACCTCCGCAAGAGCTAGGGCGAGACAGGGACTATGCCATCGATCTTATCCCA
AGTTCATCATTGCATCTGGCGAACTCACCAAGATGCTAGTTCACACTGATGTCACCTCGT
TATCTTGAATTCAAACAAATCGCGGGCAGTTTCGTATATCGTGATGGCAAGATCTCCAA
AGTG

>Gdi1 (FG576)_*Lactarius quietus*

AGGAATGACTATTATGGCGGCGACAGTGCCAGTCTGAACCTTACTCAGGTCTGCAGCT
GACATTATATGCTGCGGTTTCTGATCTGTCAATAGCTTTATCGAAAATTCCGCGGTGACC
AGGCTCCTCCCTCTGAGCTAGGTCGTGACAGGGATTATGCCGTCGATCTCGTCCCGAA
GTTTATCATAACATCCGGAGAACTCACGAAGATCCTCGTGCATACGGATGTCACACGTT
ATCTCGAGTTCAAGCAGATCGCGGGCAGCTTCGTCTATCGTGATGGCAAGATCTCTAAG
GTT

>Gdi1 (FG576)_*Boletus edulis*

AGAAATGACTATTACGGCGGCGATGGTGCCAGCTTGAACCTAACGCAGGCAAGTTACG
CGTCAACATTATGCATGGCCGCTCACGGGCATCTAGCTCTATCGCAAGTTCAGGTCGGA
TCAGCCCCACCCACAGCACTCGGCCGCGATCGCGACTACGCCGTTGATCTGATACCC
AAGTTCATTATCACCTCCGGGGAACACCAAGATCCTCGTGCACTGACGTGACGC
GCTATCTAGAGTTCAAGCAGATCGCAGGAAGCTTTGTTTATCGGGATGGAAAAATTTCC
AAAGTT

>Gdi1 (FG576)_*Amanita muscaria*

CGCAATGATTACTACGGTGGAGACAGCGCCAGTCTCAATCTAACACAGGTGCTGCCTT
CACCTCATCGTGCTCTGAACACGGTCTTTACTGCAGCTCTACCGCAAGTTTCGTCCAAA
GCAAGATCCTCCCAGTGAACCTGGTTCGTGACAGAGACTATGCCGTGGATCTCGTACCC
AAGTTCATCATTGCATCGGGCGAACTGACTAAGATGCTAGTCCATACCGACGTAACCTCG
TTACCTCGAATTTAAGCAAATCGCAGGCAGTTTTGTCTTCCGCGACGGCAGGATCTCCA
AAGTA

>Gdi1 (FG576)_*Fomitiporia mediterranea*

AGAAATGACTATTATGGCGGAGAAAGCGCCAGTCTGAACCTTACGCAGGTTAGTCCGA
TAGCTGAATGTGTGTTTATTCATATGCCACGTTTCAGCTATACAGGAAGTTTAGACCGGG
CCAAGAACCACCGGCTGCGTTGGGTCGCGATCGAGACTATGCCATAGATCTTATTCCGA
AGTTTATCATTGCATCTGGCGAGCTGACAAAATACTCGTCCATACGGATGTGACTCGT
TACCTTGAGTTCAAGCAGATCGCAGGAAGCTTCGTCTACCGTGATGGGAGGATCTCAA
AGGTC

>Gdi1 (FG576)_*Calocera cornea*

CGCAACGACTACTACGGCGGCGAGTCCGCCTCGCTCAACCTCACCCAGCTCTACCGCA
AGTTCCGCCCCGACGCCACGCCCCGACCGACCTCGGCCGGGACCGCGACTACGCGC
TGGACAACATCCCCAAGTTCATCTTCGCCTCGGGCGGGATGACGGACCTGCTCGTGCA
CACGGACGTGACGCGGTACCTCGAGTTCAAGCAGATCGCGGGGCTCGTACGTCTACCGC
GACGGAAAGGTCAACAAGGTC

>Gdi1 (FG576)_*Dacryopinax primogenitus*

CGGAACGACTACTATGGCGGCGAGTCAGCATCCCTCAACCTGACCCAACTTTATCGCA
AGTTCCGGCCAGACGCCACCGCACCCACCGACATAGGACGTGACAGGGACTACGCGC

TGGACCAGATTCCCAAGTTCATCTTCGCCTCTGGTGGGATGACGGACCTGCTCGTGCA
CACGGATGTGACTCGGTACCTCGAGTTCAAGCAGATCTCGGGCTCGTACGTCTACCGC
GATGGCAAGGTCAACAAGGTG

>Gdi1 (FG576)_*Agaricostilbum hyphaenes*

AGAAATGATTACTATGGTGGCGAGTCGGCCAGTCTCAACTTGACCCAGGTGGGCAGTT
GCAGAACGTCTCGCAATGAAGCTGAGACTCCTTCAGCTGTACCAGAAGTTCAGACCG
GGTCAGGAGGTGCCGACCAACCTGGGTCGCGACCGGGACTGCGCCGTGGATCTCATT
CCCAAGTTCATGATGGCCAACGGCGAGCTCACCCGTATGCTCATTACACCGATGTCAC
CCGCTACATGGAGTTCAAGCAGATCTCTGGATCCTATGTCTTCAGAGATGGTCGCGTTT
CCAAAGTC

>Gdi1 (FG576)_*Rhizopus microsporus*

CGTAATGACTATTATGGTGCTGAATCAGCATCATTGAACTTGACTCAAGTAAGATGATAC
ATATTTAAACATTTATAAGTTTTACAGTAAATTTAGACCCGGAGAGAGTGTACCAGACCA
TCTCGGTGCTGATCGTGATTGGAACATTGACTTGATTCTAAATTTATGATGGCTAATGG
TGAAATCGTTCTTTCTTGACTCATAAGATGTTACTCGCTACTTGGAATTCAGCAAAT
CGCGGGTTCTTATGTTTATAGTGGCAAGAAGGTCAGCAAAGTT

>Gdi1 (FG576)_*Asperigillus triticus*

CGTAACGACCACTACGGAAGCGAAGCTGCGTCGGTGAACATGACCTCAGTCTGATCTT
AGATCTGAATCCGTGCTAATGCTTTGCCTCTTCAAGAAGTACGGCAATGTCGCTCCCGG
CGAAGAACCCTGGAAGAAGTATGGGCGGGTCAACGACTGGAACATCGATCTGGTCCC
CAAGTTGCTCATGGCCAACGGCGAGTTGACGAATATTCTGGTTTCCACCGATGTCACAC
GGTACCTGGAGTTCAAGCAGATCGGGGGCAGCTATGTCCAGCAAGGGAAGGGCCCCA
AGGCG

>Gdi1 (FG576)_*Neurospora crassa*

CGCAACGACCACTACGGCAGTGAGGCGGCGTCGGTTAACCTCTCTTCAAGAAATATGG
CAACTTTGCCGCCGGTACCGAGCCTTGAAGGAATACGGTTCGCCCCAACGACTGGAA
CATCGACCTTGTTCCCAAGTTCCTCATGTCCTCGGGCGAGCTACCAACATTCTTGCT
CCACCGATGTTACCCGTTACCTCGAGTTCAAGCAGGTTGCCGGCAGCTACGTACAGCA
GGGTGCTGGTTCCAAGGCC

>Get3 (FG591)_*Gymnopilus chrysopellus*

GCATGTCAAATCCATGGAGTACTCAGTAATCGTTTTTCGACACTGCACCGACTGGACAC
ACGCTGCGCTTCTGTCTTCCCAACAGTCCTCGAGAAAGCGTTGGGCAAGCTCAGCA
CCCTTGGTTCACGATTTGGTCTTATGATCAGCCAGGTATGCATCACATCCGTTTGTCAA
AACGATCCTCTTGCTGCTGTGCAGATGTCAGCCATGATGGGTGGCGAAGCAGGTTCCC
AAGAGGACATGTTTCGCGAAACTTGAGAACATGCGTGCTGTCATCACTGAGGTC

>Get3 (FG591)_*Gymnopus androsaceus*

ACACGTCAAATCCATGACCTACTCCGTATAGTCTTCGATACTGCTCCGACCGGTCATA
CTTTAAGGTTTTTGGAGCTTCCCAACGGTTTTTGGAGAAGGCGTTGGGCAAGCTGAGTAC

GCTGGGGAGTAGGTTTGGCCCAATGATTGGTCAAATGTCCAGCATGATGGGAGGCGAA
GCGGCCAACCAAGAAGATATGTTTGCGAAGCTGGAGTCGATGAGGGCCGTTATTACAG
AGGTT

>Get3 (FG591)_*Coprinopsis cinerea*

GCATGTCAAGTCGATGCAGTACTCGGTTCATCGTCTTCGATACCGCGCCTACTGGACACA
CCCTGCGCTTCCTTTCCCTTCCCTACTGTCTCGAGAAGGCTTTGGGCAAGCTCAGCACC
CTAGGCTCGAGGTTCCGGCCCCATGATCAGCCAAATGTCCAGCATGATGGGCGGGCAGG
CGGGCTCGCAGGAGGATATGTTTGC AAAGCTCGAGTCGATGAGGGCTGTCATTACTGA
GGTC

>Get3 (FG591)_*Hygrophoropsis aurantiaca*

ACACGTCAAGTCGATGGAATACTCTGTGATTGTCTTCGACACCGCACCGACGGGACAC
ACCCTTCGTTTCCTTTTCATTCCCGACTGTTTTGGAAAAGGCTCTAGGCAAGCTCAGCAC
TCTTAGTGGGCAATTTGGACCTATGATTTCGACAGATGTCCAGCATGATGGGCGGTTCAGC
AAGATTCCAGGAGGATATGTTTGTAAAGCTCGAATCCATGCGAGCTGTGATCAATGAA
GTC

>Get3 (FG591)_*Trametes versicolor*

GCACGTCAAGTCCATGGAGTACTCTGTCATTGTCTTCGACACTGCGCCGACAGGACAC
ACCCTCCGTTTCCTGTTCATTCCCCACTGTACTGGAGAAGGCTTTGGGCAAGCTGAGCT
CGCTTAGCGGCCGCCTCGGGCCTATGATCAGCCAGATGACCAGCCTTATGGGCGGCCA
GGCAGATGCGCCAGAGGACATGTTTCGCGAAGCTGGAGTCAATGCGTTCGATCATCACG
GAGGTC

>Get3 (FG591)_*Phanerochaete carnosae*

GCATGTCAAGTCCATGGGAATACTCCGTCATCGTCTTCGACACCGCCCCAACGGGACATA
CTCTACGTTTCTTGTCGTTCCCCACTGTCTTGAGAAGGCCCTAGGCAAGCTTAGCACG
CTTAGCGGCCGCATAGGTCCCATGCTCAACCAGATGACTTCGCTCATGGGTGGTCAAG
GCGATCAAACAGAGGATATGTTTCGCGAAGCTCGAGTCCATGCGCGCAGTGATTACGGA
GGTG

>Get3 (FG591)_*Boletus edulis*

GCACGTCAAATCGATGGAATACTCTGTCATCGTCTTTGATACCGCACCGACCGGTCACA
CACTTCGATTCCCTCTCCTTCCCGACCGTCCTCGAGAAAGCACTGGGAAAGCTGAGCAC
CCTTAGTGGTCAATTCGGCCCCATGATCCGACAAATGTCATCCATGATGGGCGGGCAAC
AAGACTCTCAAGAGGACATGTTTGC AAAGCTAGAGTCGATGCGGGCCGTCATCAATGA
GGTG

>Get3 (FG591)_*Dacryopinax primogenitus*

GCACGTCAAGAGCATGACGACTCTGTCATCGTCTTCGACACTGCGCCTACAGGGCAC
ACACTGCGTTTCTCTCCTTCCCGAGCGTGCTAGAGAAGGCACTGGGAAAGCTCAGTG
ATCTGAGCGGGAGGTTCCGGCCCCATGCTCCAGCAGATGAGCGGCATGTTTGGCATGGG
ACAGCAGGAGGATATGTTTCGGTCGCTTGAGGAGATGAGGGGGACTATCACGGAAGT

C

>Get3 (FG591)_*Calocera cornea*

GCACGTCAAGTCGATGACGTACTCTGTCATCGTCTTCGACACGGCGCCACGGGGCAC
ACACTGCGCTTCTCTCCTTCCCCAGCGTGCTCGAGAAGGCGCTCGGCAAGCTCAGCA
CGCTCAGCGGGCGGTTCTGGGCCGATGCTGCAGCAGATGAGCGGGATGTTTGGCATGGG
CCAGCAGGAGGATATGTTTGCCCGGTTGGAGGAGATGAGGGGGACTATCACCGAGGTC

>Get3 (FG591)_*Fomitopsis pinicola*

GCATGTCAAGTCGATGGAGTACTCAGTCATTGTGTTTCGACACCGCTCCGACAGGACAC
ACACTCCGCTTCTCTCGTTCCCCACCGTTCTTGAGAAGGCACTAGGCAAGCTTAGTG
CACTCAGTGGGCGTATCGGCCCTATGATCAATCAAGTACATTGCACAAAAGTGCATTCA
TGTCATGGTTTACTGATGTGTGGCGCTGCAGATGACCAGTCTCATGGGTGGCCAGGGC
GACGCACCAGAAGACATGTTTGCCAAACTCGAGAGCATGCGCGCGGTGATCACGGAA
GTG

>Get3 (FG591)_*Pluteus cervinus*

ACATGTCAAATCTATGGAGTACTCTGTGATCGTTTTTCGATAACCGCACCTACAGGACATAC
CTTGCGTTTTCTATCCTTCCCTAGTGTACTGGAGAAGGCTCTTGAAAGCTCAGCAGCC
TCGGGTCACGGTTCGCACCCATGATCAGTCAGGTACTTCCAACACAATTTCTTAGATTT
CGGACTTTATTTACTCACTGAATATCAGATGTCTAGTATGATGGGAGGCGAAGCAACTT
CTCAAGAAGACTTATTCGCCAAACTCGAGTCTATGCGGGCTGTGATTACCGAAGTC

>Get3 (FG591)_*Schizophyllum commune*

GCATGTCAAGTCCATGGAATTCTCGGTAATTGTGTTTCGATACTGCACCAACTGGCCACA
CACTGCGCTTCTCTCCTTCCCAAGTGTGCTCGAGAACGCACTCGGAAAGCTCAGCTC
CCTCGGCTCCCGATTTGGGCCCATGATCAACCAGGTGCGTCGGTTTCCCATGCATTTGC
TTTTGTACCAATGTCTTTCAGTTCTCCAGCATGATGGGTGGCGAGGCTGCGTCTCCTGA
GGACATGTTTCGCGAAGCTCGATGAGATGAGGGCAACGATCACGGAGGTC

>Get3 (FG591)_*Tricholoma matsutake*

ACACGTCAAGTCGATGGAATACTCCGTTATTGTGTTTGACACGGCACCAACAGGCCAC
ACCTTGCGCTTCTCTCCTTCCCCACTGTCCTCGAGAAAGCGCTCGGAAAAGTCAAGTT
CGCTCGGCTCGCGTTTTGGACCCATGATTAGCCAGGTATGCTGGAATTAATAGTGTATC
CTCCATATTGACCGCCCCCGAGATGTCCAGTATGATGGGCGGCGAAGCCGGCTCGCA
GGAAGACATGTTTGCGAAGCTAGATGCGATGCGCGCGGTTATCACGGAGGTT

>Get3 (FG591)_*Agrocybe pediades*

GCACGTAAAGTCTATGGAGTATTCCGTCATTGTCTTTGATACAGCACCAACGGGACATA
CTCTAAGATTTTTGTCTTCCCAACTGTACTAGAGAAAGCGCTGGGGAAGTTGAGTTC
GCTCGGCTCTCGTTTTGGCCCCATGATAAGCCAGGTATGCTATGCTGTCAACTTTCTGCA
TCTTTGCAAACAAAATCAACTAGATGTCCGCTATGATGGGTGGTGAAGCCGGAACGCA
AGAAGACATGTTTCGCGAAATTGGAGAACATGCGGGCAGTTATCACTGAAGTC

>Get3 (FG591)_*Mycena crocata*

ACACGTAAATCAATGGAATACTCTGTTATCGTATTCGACACGGCACCAACCGGACACA
CGCTGCGGTTCTTGTCCTTCCCAACTGTGCTGGAGAAAGCGCTCGGTAAACTTAGCAC
GCTGGGCTCTCGTTCCGGGCCATGATAAGTCAAGTATGTGACCATATTTCCACCCAA
ATCAGGTTAAGACACATTAGATAGATGTCCAGTATGATGGGTGGTGAAGCCGGTTCACA
GGAAGACATGTTTGC GAAGCTCGACTCAATGCGTGCGGTGATCACGGAGGTG

>Get3 (FG591)_*Marasmius fiardii*

ACACGTCAAATCTATGGAATACTCTGTCATTGTATTTGACACGGCCCCTACTGGACACA
CCCTCCGTTTCTTGTCGTTCCCGACAGTTTTAGAGAAGGCATTAGGTAAATTGAGCACA
CTAGGTTTCGCGGTTTGGCCCAATGATTAGCCAGGTCAGATCAAGCTTTGTTGAACCCA
GACGGTCTTACGGCTGAAGACAGATGTCTGCGATGATGGGAGGCGAGGCAGGCTCA
CAAGAAGATATGTTTGCCAAATTAGAGTCTATGCGTGCTGTCATCACCGAAGTC

>Get3 (FG591)_*Laccaria bicolor*

ACATGTAAAATCCATGGAATACTCCGTGATCGTGTTTGACACTGCGCCCACGGGACATA
CCCTTCGTTTTTGTCTTTCCCCACAGTATTGGAAAAGGCTCTTGAAAATTAAGCTCC
CTTGATCGCGGTTCCGGGCCGATGATAAGTCAGGTACAGTGTTACTGTACATACTTACC
GTTCTCATCGTGA CTTGATCTTAGATGTGAGTATGATGGGAGGTGAAGCCGGTCCCA
GGAGGATATGTTTCGCGAAACTTGAGTCCATGCGCGGGGTCATCACTGAAGTC

>Get3 (FG591)_*Amanita muscaria*

ACACGTCAAATCTATGGAATACTCTGTCATCGTCTTTGACACTGCACCCACAGGACATA
CCCTTCGATTTCTTTCTTTCCCACTGTTTTAGAGAAAAGCTCTCGGGAAACTGAGCTCT
CTTGGGTCTCGGTTTGGACCTATGATTACCCAGGTATGATTCTTATCATGTCATTCATGTA
GTGACATATAATTACTAAATTATGGAGATGTCCAGTATGATGGGAGGTGAACCAGGGTC
GCAAGAAGACATGTTTCGCTAAATTAGAATCAATGCGGGCTGTGATCACGGAGGTG

>Get3 (FG591)_*Serpula lacrymans* var. *lacrymans*

ACACGTCAAGTCAATGGAGTACTCGGTGATAGTGTTTCGACACTGCACCAACAGGCCAC
ACCTTGCGGTTCTTGTCATTCCCGACTGTTTTAGAGAAGGCTTTGGGCAAGCTTAGTGC
CCTCAGCGGACAATTTGGGCCAATGATTCGTCAGGTACGTAATAGGTCCTATTTATTGAT
GCGTCAACCAGGTAATAAACTATCTTTCAGATGTCAAGTATGATGGGAGGTGAGCAAGAT
TCTCAGGAAGACATGTTTGCTAAGCTGGAATCAATGCGTGCCGTCATCACTGAGGTG

>Get3 (FG591)_*Agaricus bisporus* var. *burnettii*

ACATGTGAAGTCGATGGAGTACGATGTCATTGTATTTCGATACCGCACCCACTGGTCATA
CACTTCGTTTCCTATCCTTCCCTACCGTATTGGAAAAGGCTCTGGGAAAACCTCAGTAGC
CTGGGCTCTCGTTTCGGTCCGATGATCAATCAAGTGCCTCCGGTTTTAAATTCTTTTCA
TTTATCTTTCTCGTCTTTAGATGTCTTCATAATGGGTGGGGATGCTGGTAGTCAGGA
GGATATGTTTGCTAAGCTAGAGTCGATGAGGGCTATCATCACAGAAGTG

>Get3 (FG591)_*Gautieria morchelliformis*

GCATGTAAAATCTATGGAATACTCTGTGATCGTGTTTCGATACCGCACCAACGGGACATA
CACTACGATTCCTTTTCGTTCCCGTCCGTATTGGAAAAGGCACTAGGGAAGTTGAGCGC

GCTTGGTGGACGATTTGGGCCAATGATTAACCAGGTTGAGCAACCCAGTCCTACTAGT
CATAACACATTGCCAGATGTCCGCCATGATGGGTGCCCCACAAGGCTCTCAGGAAGAC
ATGTTTGCGAAGCTCGAAGGGATGCGAGAAGTGATCACTGAAGTT

>Get3 (FG591)_*Ramaria acris*

GCATGTAAAGTCAATGCAATACTCGGTCATCGTATTTCGACACCGCACCTACGGGTCACA
CTCTGCGTTTTCTTTCTTTCCCATCCGTCTTGGAAAAGGCATTAGGCAAACCTGAGCGCG
CTCGGTGGACGATTTGGGCCTATGATCAATCAGGTTTCTAGAAGCGTGTGTGTTTTCG
ATCTTTCATGTTGTTGCTTCTGGTTTAGATGTCGGCGATGATGGGCGCACACAGGGC
TCGCAGGAGGACATGTTTCGCGAAGTTAGAGGGCATGCGGGAGGTTATCACAGAGGTT

>Get3 (FG591)_*Lactarius quietus*

GCATGTCAAATCCATGGAATATTCTGCGATCGTTTTTCGACACGGCACCGACAGGCCACA
CTTTACGCTTCCTTTCTTTCCAGTGTGCTTGAGAAGGCGTTGGGGAAGCTATCCACT
CTGAGCGGACGCATCGGACCCATGATCAATCAGGTGGGCATCGTTTTGTATCTGCCTCA
GCGTTGCTCCACTTCCGAATAGATGTCTACGCTGATGGGCGGCCAAACGGACGCTACC
GAAGACATGTTCTCGAAGCTCGAATCAATGCGTGCGGTGATCACCGAAGTG

>Get3 (FG591)_*Stereum hirsutum*

GCACGTCAAAGTCAATGGAATACTCGGTCATCGTGTTCGATACCGCACCTACAGGCCAC
ACTCTTCGTTTCCTCTCCTTCCCAACCGTCCTCGAGAAGGCACTCGGCAAGCTCTCTGC
ACTGAGTGGTCGCATTGGCCCTATGATTAACCAAGTAGGCGAATTCTACCAAGGTCATT
CGTTGGAAGATATGGTCGTGGCGAAATTAGATGTGAGTCTGATGGGAGCCCAAGCTG
ACTCTACCGAAGATATGTTCTCGAAACTGGAGTCCATGCGGGCGGTCATCACGGAAGT
G

>Get3 (FG591)_*Auricularia delicata*

ATACGTCAAAGTCGATGGAATACTCCGTCATCGTGTTCGACACCGCACCGACCGGCCAC
AACTGCGCTTCCTGTCTTCCCGTCCATACTTGAGAAGGCGCTGGGCAAGCTCAGCA
CGCTAGGCGGGCGTTTTCGGACCGATGATCCAACAGGTAGCAGTATACCCCTGGTTCTA
TACTTTGGCTCTGTCCACTCTACAGATGTCAGCCATGCTGGGTGGCGGTCAGACGGCG
CAGGAGGACGTGTTTGCACGACTCGAGAACATGCGGGAGGTGATCACCGAAGTA

>Get3 (FG591)_*Fomitiporia mediterranea*

ACACGTCAAATCAATGGAATTCTCAGTAATCGTCTTCGACACCGCACCAACAGGCCAT
AACTCCGTTTCTCTCCTTCCCGTCTGTGCTCGAGAAGGCTCTTGAAAACCTTAGTTC
TTTGGGGAGTCGTTTTGGGCCTATGATTAACCAGGTTTCGTATCTTTCTTTCTTTTC
CAAGGCGAACGTGATCTTTTCTTTGTAGATGTCCTCGATGATGGGTGGTCAACCTGGT
ACACAAGAAGACATGTTTCGCGAAGCTTGACTCTATGCGCGAGGTCATCTCCGAAGTG

>Get3 (FG591)_*Rhizopus microsporus*

ACAAGTAAAGACGATGTCTTACTCAGTTGTTGTCTTTGATACTGCGCCTACTGGACACA
CGCTTCGTTTCTTATCGTTCCTACTGTATTAGAAAAGGCACTTGCAAAGATTAGTGGAT

TAAGTAGTCGCTTTTGGTCCAATGGTTCAGCAAGTATCAGGTATGATGGGTATGAATGCC
AATCAAGAGGATATGTTTTCAAATTAGAAGAAATGAGATCGATTATTAACGAAGTC

>Get3 (FG591)_*Aspergillus triticus*

ACAGGTCAAGTCGCTTTCGTATGAGGTCATTGTCTTCGACACCGCGCCGACCGGTCATA
CTCTGCGTTTCCTCCAGTTCCCGACTGTGCTCGAGAAGGCCCTCGCGAAGCTCTCGCA
GCTGTCTCGCAATTCGGGCCATGCTGAACTCGATCCTCGGCGCCCGGGTGGTCTG
CCCGGTGGTCAGGACGAGCTCCTGCAGAAGATGGAGTCCCTGAGGGAGACTATCAGC
GAAGTC

>Get3 (FG591)_*Neurospora crassa*

GCAAGTCAAGTCGCTCTCGTACGAGACCATCATCTTCGACACGGCACCGACCGGCCAC
ACGCTGCGCTTCTGCAGTTCCCTCGGTCTCGAGAAGGCTCTGGCCAAGGTCTCGC
AGCTGTCTTCGCAATACGGCCCCTTGCTCAACGGCTTCCTTGGCTCCAACGGCACGCT
GCCAACGGCCAGAACGAGATGATGGAGAAGCTCGAGACATTGCGGGCCACCATTC
AGAGGTG

>Get3 (FG591)_*Agaricostilbum hyphaenes*

ACATGTCAACTCGATGCAATACTCGACCATCGTCTTTGATACCGCACCTACAGGTCATA
CATTGCGATTCTCCAATTCCCTTCGATATTGGAGAAGGCGCTGGCCAAGTTGTGGGA
TTAAGCGGGCGCTTTGGGCCATGATGGGTGAGATGTCCAACATGATACGTTCCAGGTC
AGGCGCATGAAATCTCTGTTTGCGAAATGGACTGAGATTTTGGCGTCATTGAGAAAAT
GGAGTCTATGCGAGGCGTCATTACAGAAGTC

>Gsh1 (MS320)_*Pluteus cervinus*

TTCCCGTAATTTCAAGGGAAATAACCGACTCCCCCACAGCACTTTGACCGCCAACATT
CGTACCCGACGCGGCTCTAAGGTTGCAATAAATTTACCACTGTTTTTTGATGAGAATAC
TCCCCGCCCTTCGTCGATCCAATACTTCCCTTGGGATCGCGCACTCTACACCGAGGATG
ACGGTCCGTCAATTATCAATTAATCTTCCAATAAATCTGAAATCTACAGAAGCGAAAA
ATGGAGCTGCACTACCTGATCATATTTACCTCGATGC

>Gsh1 (MS320)_*Marasmius fiardii*

TTTCCGTTAGTGGTGCTAAAAACAGTTTCAAATGCAACAGAACCTTGACTGCAAATATT
AGACGTAGGCGTGGCTCGAAGGTAGCCATCAATCTTCCGATATATTTGACGAGAAAA
CCCCAGACCATTGTTGATCCAACAATACTTGGGATCGCACTATTTACCCAGAGGAT
TCAGGTGAGGTTTGCATACACTCCGCTGAAAGCTCGGGCTTAATCTCTCAGAGGCTAA
AATGGGGCTGCTCTCCCCGATCACATATATTTGGATGC

>Gsh1 (MS320)_*Agaricus bisporus* var. *bisporus*

TTCCCGTACGCTAAGTATGACCGAATTAATCTCCAGATAGAACTTTGACTGCGAACATC
CGAACACGCGGTGGCTCCAAAGTTGCTATCAATCTACCAATTTTTTTTCGACGAGAAAA
CACCTCGTCCATTCATAGACCCTACAATCCCCTGGGATCGTGATATCTATCCCGAAGACT
CTGGTGCGTTTAGTGTGTTATTCGGTTATGATCCTCAGCTTGTCCTGCAGAGGCCAAGA
GTGGTGCGGCCCTTCCAGATCATGTATATATGGATGC

>Gsh1 (MS320)_*Fomitiporia mediterranea*

TTCCCGTCAGTCATTAGTAGCTTACACCTTTCCCCTCTAGCACCCCTTACTGCAAACATCC
GGTCTCGGCGAGGCTCTAAAGTAGCAATAAATTTACCCCTGTTCTTCGATGAGAAGAC
ACCAAGGCCGTTTCATAGACCCAACGATCCCTTGGGACCGTAATATTTATCCCGAGGATC
CTGGTGAGTTTAAAGTTGTACCGAAGATTTTCGGCTTTCCGCTGCTTTCAGAGGCAAAG
GACGGCGCGGCTCTCCGTGATCATATTTATATGGACGC

>Gsh1 (MS320)_*Laccaria bicolor*

TTCCCGTACGTGTGCCTACTTTCCTAACCCCTTGCTTTCAGCACCCCTTACGGCCAATATCA
GGAGTCGAAGAGGTTCCAAGGTTGCAATCAATTTACCAATTTTTTTTCGACGAGAAGAC
CCCTCGTCCATTTGTGACCCAACGATTCCTTGGGACCGCAACATTTACAAAGAAGATT
CAGGTTTGTATTGCTTTATGTCAATATTTACTCAAACCCGCAGATGCGAAGAATGGTG
CAGCCCTCCCGATCACATTTATCTTGACGC

>Gsh1 (MS320)_*Gautieria morchelliformis*

TTCCCGTATGTCCACCAGAGATAGATTTGATTTTCATCAGCACCTTGACTGGCAACATC
CGCGCGAGGCGAGGTTCAAAGGTCGCGATCAACTTACCCATATTTATTGATAATATGAC
ACCACGGCCATTTGTGGATCCCACCATCCCTTGGGACCGTGACGTGTATCCCGAAGATT
CAGGTTAGATGCACTCCTTACGCTCATGACATCTTATGCAATTCGTACAGAGGCTAGAA
ACGGTGCCGCGCTCCAAGATCACATCTACCTGGATGC

>Gsh1 (MS320)_*Ramaria acris*

TTTCCGTGTGTACTCTTAATTGTTAATGTTAATTCAAGCACTCTGACCGCCAATATTC
GGATGAGACGGGGTTCCAAGGTTGCTATCAACTTGCCCATTTTTTTTGACAGCAAGAC
ACCACGTCCATTTGTTGATCCTACAATTCATGGGATCGGGACATATACCCAGAGGATTC
AGGTTTCGTCCGATTCGACGTATATGTGTAAGGTTGCCAACTTCACATAGAGGCGAAGAA
TGGCGCTGCACTCCAGGATCATATATATTTGGACGC

>Gsh1 (MS320)_*Coprinopsis cinerea*

TTTCCGTACGCCCTTTTTGCAAATTTGACGTCACTTTCAGGACGTTGACTGCCAACATT
CGGAGCAGAAGAGGCTCCAAGGTAGCCATCAACCTCCCGATCTTCTTTGACAAAATA
CGCCTCGCCATTCATTGATCCAACGATTCCTGTTGGGACAGGAACATCTATCCGGAAGAC
CACGGTGAGTAGAAGATATTATTAGCCGGACTTTGTACTCATTGGTCAGAGGCGAAGGA
TGGGGCAGCCTTGCCCTGACCACATCTATATGGACGC

>Gsh1 (MS320)_*Gymnopus androsaceus*

TTCCCGTACGTACAATTCATTTCAGCTGAAAGCTTTCACAGCACTCTAACCGCCAATATT
CGTAGTAGACGAGGTTCCAAGGTAGCGATCAACTTGCCAATATTCCTCGATGAGAAGA
CACCTCGCCCTTTCATTGATCCAACGATTCATGGGATCGTTTCGATCTACCCAGAGGAT
CCAGGTTGGTTCTGCTGTATTCCTGTTATAGCACGTCTCATCTTGTATAGAGGCTAAGA
ACGGAGCAGCGTTGCCCGACCACATATACATGGACGC

>Gsh1 (MS320)_*Auricularia delicata*

TTTCCGTACGCCCGGAGACCCGGTGGCTGACAGCAAGCAGCACACTGACCGCGAGCA
TTCGCAAGAGGAGAGGATCCAAGGTTGCCATAAACCTCCCGATCTTCGTCGACGAGAA
GACCCACGCCGTTTCATAGATCCTACCATTCCATGGGATAGAAATGTCCACCCGGAGG
ACCCGGGTGAGCGACCATCGCTTAGCCACAGGGTTGCTCGCTGCGCGCAGAGGCAAA
GGCGGGAGCCGCGCTCACGGATCACATCTATATGGATGC

>Gsh1 (MS320)_*Agrocybe pediades*

TTTCCGTAAGTTTTTTGATTCATTTGCTTGCCCTTTATTAGTACGCTTACTGCTAATATTAG
ACGGAGAAGAGGATCGAAAGTTGCGATCAATCTCCCATCTTCGTAGACGAAAAGACC
CCTCGTCTTTTCATAGACCCTACTATTCCATGGGATAGGAACATTTACCCCGAAGATTCA
GGTAAGAGAATCTATCATCTTTTCCTCATAAAGCTTATGGTTTTTTAGAGGCCAAATCTG
GAGCCGCTTTACCAGACCACATCTACTTAGATGC

>Gsh1 (MS320)_*Gymnopilus chrysopellus*

TTTCCGTCAGTAACGATTCTTGTATTTCATGCTCCCGCCAGGACTCTCACTGCTAATATTA
GACGTCGTAGAGGGTCAAAGGTCGCTATCAATCTTCCTATTTTCTTAGACGAAAACACC
CCGCGACCCTTTATTGACCCACAATACCTTGGGATCGTAACTTATACCCAGAGGATCC
AGGTATGTTCTGATGACTTCTTTGCTATTCTTCTGACCTAGAACCCTCAGAGGCCAAGTT
GGGAGCAGCGTTGCCTGATCATATTTATATGGATGC

>Gsh1 (MS320)_*Schizophyllum commune*

TTCCCGTAAGTGCAGTTGGGCGCGGTCTCACGATGATCAGGACATTGACTGCCAACAT
CCGGAGGCGGCGAGGCTCTAAAGTAGCCATTAACCTTGCCTATCTACTCCGATGAGAAC
ACGCCAAAGCCTTTTGTGACCCGACGATCCCTGGGACAGGCAACTATTCCCAGAAG
ACTCCAGTGAGTTCGCATCACTTTACATCCGCCATTCTCATCACTCGTGCCAGATGCCA
AGGATGGTGCAGCCCTGGTTCGACCACATCTACCTTGACGC

>Gsh1 (MS320)_*Hygrophoropsis aurantiaca*

TTTCCGTCAGTCTCCGCCATTTGAATTCATGTGACTCTAGTACACTTACAGCCAATATAA
GGACTAGGAGAGGGGCAAAGGTTGCGATCAACCTTCCCCTGTTTCATTGATGAGAGGAC
TCCGCGACCTTTTGTGACCCACGATACCATGGCAGCGCGCAATATACCCGGAAGATC
CCGGTGAGTCTACATCTCACTACGATAGGAAGATCTTGTAATGTCCATAGAGGCTAAGC
ATGGTGCTGCCCTAATTGATCACATTTACATGGATGC

>Gsh1 (MS320)_*Serpula lacrymans* var. *lacrymans*

TTTCCGTCAGTGATTTAACTCGCAATTGACTTGCTTGACGACACATTGACAGCCAATATC
AGAAGCAGAAGAGGATCAAAGTAGCCATTAATCTCCCTATTTTCATAGACGACAAAA
CACCTCGCCCATTCGTTGACCCCAATTCATGGCAGCGCTCGATATAACCCTGGGGAT
TCTGGTGAGGAAATTGATCATCAATATATGCATTTTCATGAGATAACAACAGAGGCTAAG
CGTGGGGCTGCACTCAATGATCACATTTACATGGATGC

>Gsh1 (MS320)_*Boletus edulis*

TTCCCGTCCGTCCTCCGCTTGTCTTAACTTTGTACAGCACCCCTTACTGCCAACATTA
GAAGCAGGAGAGGTTCCAAAGTCGCCATCAATCTTCCTATTTTTATTGACGAGAAGAC

GCCAAGACCGTTCGTCGATCCTACTATAACCGTGGCAGCGTTCTTTGTACCCAGAAGATC
CTGGTAAGGCTTTTCTTGAAAGCGCTCACAATGTTGATGTCTCGCCACAGAGGCCAAG
AATGGCGCAGCTTTAATAGATCATATTTACATGGATGC

>Gsh1 (MS320)_*Fomitopsis pinicola*

TTCCCGTTCGGTGTTCCTTGCAATTGAGCCCTTTGATCTGCAGTACACTAACGGCAAATATTC
GGCGGCGACGCGGTTCGAAAGTCGCCATTAATCTTCCGTTGTTTCATCGACTCGCGCACT
CCACGGCCGTTTCGTGGATCCATCAATACCATGGCAGCGGAACATATACTCGGAAGATCC
CGGTATGTATGACAGCTTTCCGTGTGTATGTTTAGTGAGAGGTGTCCAGAGGCCAAGC
GGGGGGCCGCGCTGCTTGATCACATCTACATGGACGC

>Gsh1 (MS320)_*Phanerochaete carnosae*

TTCCCGTTCGTTTTGCGATCTGACCCTTACTTCTTGTCAGAACCCTGACGGCAAATATC
CGGCGGAGAAGGGGTTTCGAAAGTCGCCATTAACCTTCCTTTGTTTCATTGACGAAAACA
CTCCACGGCCATTTGTCGACCCGACTATCCCATGGCAGCGGAACATCTACCCGGAGGA
CCCAGGTGCGCACTGCGGCGCTCAATTCGCATCACATGCTGACCGAATCTAGAGGCCAA
AACAGGGTGCGGCAAAGATAGATCACATCTACATGGATGC

>Gsh1 (MS320)_*Trametes versicolor*

TTCCCGTTCGGTGTCCCAGGCTCAACCATCGCGTCGCATAGGACACTTACCGCTAACATC
CGGCGGCGGCGCGGATCGAAAGTCGCTATCAACCTCCCGCTATACATAGACACCCACA
CCCCTCGCCCGTTTCGTAGACCCCAATCCCATGGCAGAGGAATATATATCCGGAGGAC
TCGGGTGTGTACTATCGAATTGACGGTCAGGACAACGATGCTTTCTCCAGAGGCCAA
GAAGGGAGCAGCATTTCTCGATCACATTTACATGGACGC

>Gsh1 (MS320)_*Lactarius quietus*

TTTCCGTACGTAGTAGATTTCAGACGTGTTGACGATTCCAGAACTCTCACTGCGAACATC
AGAAGGCGGCGCAGGTCAAAGGTGGCCATCAACCTTCCCATATTCATCGATGACCGCA
CCCCGCGCCCTTCGTAGACCCCAACATCCCGTGGCATCGGAATGTCTTTCCAGAAGAT
GCAGGTGGGGCTTCTCGAAATGCAACCGCAGACGATCTAATTACTCTCAGAGGCCAAA
AAACGGCGCCGCACTCATCGATCACATCTACATGGACGC

>Gsh1 (MS320)_*Stereum hirsutum*

TTCCCGTTCAGTTCACGTGTGGCCCACTTCACACCCCTTAGAACGTTAACGGCAAACAT
CCGGACGCGAAGAGGATCAAAGGTGCTATAAACCTTCCGTTATTCATAGATGAGCGTA
CACCCCGACCATTCGTGGACCCCACTATTCCGTGGCAGCGTAATATATATCCCGAAGATC
CCGGTATGCCTTGTGCGCTCTTCGTTTCATGCTATTGCTGATAGCGTTCAGAGGCCAAGAA
ATGGCGCTGCTTTGAACGACCATATATACATGGATGC

>Gsh1 (MS320)_*Amanita muscaria*

TTCCCGTTCAGTATACTGTTGCTGATGAACCACAACACAGCACGCTTACTGCGAATATC
AGACGTCGTCGAGGTTCAAAGGTGGCAATTAATTTGCCCTTTTCTTCGATAAAAACAC
TCCGCGACCGTTCATCGATCCTACTGTACCCTGGGATAGATCAATCTACCCAGAAGACT
CCGGTAAGGAGTGCCGAGACCGTATTGTGTAATCTGCTGACTTACCTCAGAGGCCAAG

AATGGTGCCGCTCTCCCGGACCACATCTATATGGATGC

>Gsh1 (MS320)_*Tricholoma matsutake*

TTTCCGTCAGTTTTTCATAATTTACTCAATATATCATGCAGGACCCTAACGGCAAACATCA
GATCCAGGAGGGGCTCCAAAGTAGCGATCAACCTGCCTCTTTTCATCGACTCTGAAAC
ACCCCGACCATTCAATGACCCTTCAATCCCTTGGGACCGTTCACTGTACCCCGAGGATC
CACGTAACGGTCTGCGTTTCCCTTTATATCTTGTGCTCATCGTGATTAGAGGCCAAGAA
TGGTGCAGCACTTCCCGACCATATATACCTCGATGC

>Gsh1 (MS320)_*Mycena crocata*

TTCCCGTCAGTGAAGTACTGACTCACCGCTTATCAGCACTCTGACCGCAAATATCAGACAG
AGGAGAGGGTCCAAAGTTGCAATCAACCTCCCACTGTACTTTGATGCACAACTCCTC
GTCCATTCATCGATCCCACCATTCATGGGAACGCTCTATATACGCTGAGGATCCTGGTT
AGATACAGCATTTTTCTCCCTGCCAAGATCCTGCTCTCAACCAGAGGCGCAAGCGGGA
GCTGCGCTTCCTAATCACATCTATATGGACGC

>Gsh1 (MS320)_*Agaricostilbum hyphaenes*

TTTCCGTGAGTTGGATTACGAACCAACTTCAGGACGCTGGCTGCGCACATTCGAGAGC
GAAGAGGTTCCAAGGTCGCCATGAATGTGCCAATCTTGATAGATAAGAATACTCCGCGT
CCCTTCATTGACCCCTCCATCCATGGGACCGCCAGCTGTTCCCTGGCGACTCCGAGGC
CAAGGATGGTGCCGCGCTGCCAGATCACATCTATATGGATGC

>Gsh1 (MS320)_*Calocera cornea*

TTCCCGTACGTGCGGTGCTGACCTGGCCCCGGGGTAACAGCACCCCTCACAGCCAACAT
CCGCCGCCGCGCGGACACAAGGTCATCATCAATCTGCCCATATTCGAGGACACCCAC
ACGCCCAAGCCGTTTCATCGACCCGACTATTCCTGGGACCGCGACTGGTTCCCTGGGG
ATAACGAGGCGAAGAACGGAGCCGCGCTCCCGGACCACATATATATGGACGC

>Gsh1 (MS320)_*Rhizopus microsporus*

TTCCCGTAAGTTGATTTTCTTTTTTTTCTTTTCTGATAGTACGCTGACAGCCAACATTC
GTCGTGCAAGAGGATCCAAAGTAAAGATCAATATGCCAATCTTTCATGACAAAATACA
CCCAGGCCATTTATTGACCCTACCATTCCATGGGACCGTGACTTGTTCGATCATGATAAG
GAAGCAAAGGAAGGTGCGGCATTACCAGACCATATCTATATGGATGC

>Gsh1 (MS320)_*Asperigillus triticus*

TTTCCGACTTTGGCGGCTAATATACGATCGCGCCGAGGTTCGGAAGGTTCGAGTTGAATGT
GCCTGTGTTCAAGGACAAGAACACCCCTCGGCCGTTCAAGGATCCCTCTGTCAACTAC
GACCTCCACAAGTGGCCCCGAGGATGATGACGTGCGGAACGGTGCCGCCAAGGACGAT
CATGTTTACATGGATGC

>Gsh1 (MS320)_*Neurospora crassa*

TTCCCTACCCTTGCGGCCAACATCCGTTTCGCGCCGCGGCCGCAAAGTCCAGGTCAATG
TTCCAGTGTTTCAGAGACGAGAACACCCCTTGGCCATGGAAGGACCCAACCGTCAACT
ACGACCTACACAACCTGGCCCCGAGGACGATGATGTTTCGTAATGGTGCCGCTCCCGACAA
CTTTATTACATGGATGC

>Gus1 (FG525)_*Phanerochaete chrysosporium*

ATGGATTGGGGTAACGCCATTGTTTCGCTCCAAGACCACTGATGGATCCGGCAAATCA
CCGGTGTGACTATGGAATTACACCTCGAGGGTGACTTCCGCAAGACCAAGAAGAAGAT
CACCTGGCTCTCTGCTCCCGTGAGAACCTCGTGGAGTCGACTCTGCTCGACTACGACT
ACCTCATCACGAAGAAGAAGCTCGAGGAGGACGACGATGTCAAGGACTTTGTACCCC
CCGTCTCCGAGTTCGCGAGGAGGCTGTTGCCGATGCAAACGTGAAGGAGCTTAAGA
AGGGCGACATCATCCAGTTCGAGCGCAAGGGATA

>Gus1 (FG525)_*Trametes cinnabarina*

ATGGACTGGGGCAACGCCATCGTTCGCTCGAAATCGGTGAACGAATCCGGCGTAGTCA
CCGGCATCGAGATGGAGCTCCACCTCGACGGCGACTTCCGCAAGACCAAGAAGAAGA
TCACCTGGCTCGCACAGCCCACGCAGAACACCACCTCGTCGAGGGCGACGTTGCTCGA
CCACGACTACCTCATCACGAAGAAGAAGCTTGAGGAGAACGACGACGTCGAAGGACTT
CGTGACGCCCGTCACCGAGTTCGCGAGGAGGCGCTCGCGGACGCCAACGTGCGCGA
GCTCAAGAAGGGCGACATCATCCAGTTCGAGCGCAAGGGTTA

>Gus1 (FG525)_*Fomitopsis pinicola*

ATGGACTGGGGCAACGCCATCGTACGCTCCAAGGAGACGAATGCCGACGGTGTGATCA
CACACATCACGCTGGACCTCCACCTCGCGGGCGACTTCCGCAAGACCAAGAAGAAGA
TTACCTGGCTGACCGACCCGGCGCGGACCACCCGCTCGTCGAGACGACGCTGCTCGA
CTACGACTACCTGATCACGAAGAAGAAGCTCGAGGAAGAGGACGACGTGAAGAACTT
CGTCACGCCGCAGAGCGAGTTCGCGACGACGCGCTCGCGGACGCGAACGTGCTCGC
GCTGAGCAAGGGCGACATCATCCAGTTCGAGCGCAAGGGCTA

>Gus1 (FG525)_*Mycena crocata*

ATGGACTGGGGCAACGCCATCGTCCGTTTGAAGACCACCAATGCCGCCGGCGAAATCA
CCGCAATCGAAATGGAGCTCCATCTCGAGGGCGACTTCCGCAAGACGAAGAAGAAGA
TCACCTGGCTATCACAGTCGACGCGTCTCACCCACTCAGCCCCGTCGTGCTTCTCGACT
ACGACTACCTCATCACGAAGAAGAACTGGAGGAGAACGACGAGGTCGCGAACTTTG
TGACGCCAGTGACCGAGTTCGACAGGACGCACTGGCGGACGCGAACGTGCGTGACC
TGACCAAGGGCGACATCATGCAGTTTGAGCGCAAGGGGTA

>Gus1 (FG525)_*Lactarius quietus*

ATGGACTGGGGCAACGCCATCGTGCGTTCTAAAACGGCCGATAGCTCTGGCACGATCA
CGGCACTCACCATGGAGCTCAATCTCGAAGGGCGACTTCCGCAAACGAAGAAGATCA
CCTGGCTAGCACAGCCATCGCCGCGCACCCGCTAATCGACGCGACACTGATCGACTAC
GACTACATCATACCAAGAAGAAGCTGGAGGAAAACGACGACGTGAAGGACTTCGTC
ACACCCGTGACGGAGTTCGCGAGGACGCGCTCGCAGACGCGAACGTGCGCGAGCTC
AAGCGCGGGCGACATCATCCAGTTCGAGCGTTCGTGGGTA

>Gus1 (FG525)_*Serpula lacrymans* var. *lacrymans*

ATGGACTGGGGTAATGCTATTTGTCGCTCGAAAACACTGGACCTTCGGGAGAAATCA
CTTCTCTACCATGGACCTCAACCTCGAAGGTGACTTCCGCAAACGAAGAAGAAAAT

AACCTGGTTAGCCCAACCCAGGAATCCTACCCATTGATCGATGTCACGCTCCTCGACTA
TGATTATCTTATCACAAAGAAGAAGTTGGAGGAGAACGACAACGTAGCCGACTTTGTG
ACTCCTATGACTGAGTTCAAAGAGGAGGCATTGGCTGATGCCAACGTAAACGACCTGA
AAAAGGGGGATATCATTTCAGTTCGAGAGGAAAGGCTA

>Gus1 (FG525)_*Pluteus cervinus*

ATGGACTGGGGCAATGCTATTGTCCGTTCCAAGACAGTCGACGCTTCAGGTCATATTAC
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ACATGGCTAGCTCAGCCGACGACGAACACCCCCTGTTTACTGTCACTCTTGGACTA
CGACTACTTGATCACCAAGAAAAAATCGAGGAAGGGGATAACCTGACGGACTTTGT
CACTCCTGTCACCGAGTTCAGAGAGCAAGCGTTAGCGGATGCTAATGTTGCCGATCTG
AAGAAGAGTGACATCCTGCAGTTTGAGCGGAAGGGATA

>Gus1 (FG525)_*Hygrophoropsis aurantiaca*

ATGGACTGGGGCAACGCCATTGTGCGCTCCAAAACGACTGGTCCATCTGGAGAAATTA
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CACCTGGCTCGCACAGCCAATGACACTCACACCCTGATCGACATCACGCTCGTCGACT
ACGACTACATGATCACCAAGAAAAAATTGGAGGAGAATGATGACGTCAAGGACTTCGT
GACCCCTACGAGCGAGTTCGCGAAGAGGCCGTTGCGGATCCTAATGTGCGCAGTCTC
ACGAAGGGGAACATCATCCAGTTTGAGCGAAAAGGCTA

>Gus1 (FG525)_*Tricholoma matsutake*

ATGGACTGGGGCAATGCTATCGTTTCGCTCCAAGACAGTTGATGCAGCAGGCCAGATAA
CTGCAATCCAGATGGACCTCAATCTCGATGGAGATTTCCGGAAGACGAAGAAGAAGAT
AACGTGGCTTGGTGCACCAACTCTGCGCATCCTCTTATACCTGTCACTCCTCGACTA
CGATTATTTGATCACAAAGAAGAAGTTGGAAGAGAACGACGATGTTGCTGATTTTCGTT
ACCTCTGTTACGGAGTTCAGAGAGGGCGGCGTTTGCAGACGCAAACGTGATGATCTGA
ACAAGGGGGATATCCTGCAGTTCGAGAGGAAAGGATA

>Gus1 (FG525)_*Agrocybe pediades*

ATGGACTGGGGTAATGCCATTGTCAAGTCCAAGGAGGTCGATGCTTCTGGAGCTGTCA
CTTCAGTGACGATGGACCTCAACCTTGAGGGTGACTTCCGCAAGACCAAGAAAAAGA
TCACATGGCTTGCCCAACCCACCCCGAACATCCTCTACCATCTGCTACTCTCGTTGACT
TCGACTACCTCATCACAAAGAAGAACTCGAGGAAAACGACAACGTGCTGACTTCG
TTACACACATCACCGAGTTCAAGGAGTATGCATACGCTGATGCCAACATCCTCGATCTC
CAGAAAGGAGACATCATTTCAGTTCGAAAGAAAGGGATA

>Gus1 (FG525)_*Laccaria bicolor*

ATGGACTGGGGGAATGCAATTGTTCGGTCCAAGGTGGTGGACACATCGGGACTCGTGA
CATCCATTGAAATGGAGCTCAACCTCGAAGGCGATTTCCGAAAACGAGGAAAAAGA
TCACTTGGCTTGCCAGTCCTACCAGAACCATCCACTTCCAACGGTGTGCTTGTGCGACT
TCGATTACATTATCACTAAAAGAACTCGAAGAAAACGACGACGTGCGGGATTTGT
GACACCAGTGAGCGAATTCAGGAGGAGGCCTATGCGGACGCCAACACGCTCGAACT
GGCTAAGGGCGAGATCATGCAATTTGAAAGAAAGGGATA

>Gus1 (FG525)_*Gymnopilus chrysopellus*

ATGGACTGGGGCAATGCCATTGTACGCTCAAAGCAGGTTGATGCCTCGGGCATCGTCA
CGTCTATTACCATGGACCTGAATCTCGAAGGCGACTTCCGAAAGACAAAGAAGAAGAT
CACCTGGCTCGCTCAACCTACGCCGATCACCTCTCCCGTCCGTAACCCTCGTTGATTT
CGACTACTTGATCACAAAGAAGAACTCGAAGAAAACGATAACGTTGCGGACTTCGT
CACGCCGTCACCGAGTTCAAAGAGTTTTCGTACGCTGATGCGAACGTCCTTGAAGTC
AAGCCAGGCGACATCATCCAATTTGAGAGGAAGGGGTA

>Gus1 (FG525)_*Agaricus subrufescens*

ATGGATTGGGGCAATGCAATCGTCCGCCAGAAACAGATCGACGCCTCGGGCAAGGTCC
TGTCGCTTGCTATGGAAGTCCACCTCGAAGGGGATTTCCGGAAGACGAAAAAGAAAAT
CACTTGGCTCGCAGAATCTACCCGGCGCACCTCTCCCCACAGTGACGCTCACAGATT
TCGATTATATCATCACAAAGAAGAAGCTTGAGGAGGAAGATAACGTCGCAGACTTCGT
GACTCCGGTAACCGAATTCAAAGGAGATCGCGTATGCAGATGCAAATGTCCTTGAGCTG
AAGAAGGGTGACATCATTCAATTTGAGAGGAAGGGATA

>Gus1 (FG525)_*Coprinopsis cinerea*

ATGGACTGGGGTAATGCTATCGTCCGAACTAAGTCTATCGACGCAGCCGGCACCGTCA
CAGAGATCGTTCGATCTCCACCTCGAAGGTGACGTGAAGAAGACCAAAAAGAAGA
TCACCTGGCTCGTGCACCAAGACAACCACCCCTCCCTACCGTCTCTCTCGTAGACT
TCGACTACCTCATCACGAAGAAGAAGTTGGAGGAGAACGACGAGTTTGCCGACTTCG
TCACCCAGTTACCGAGTTTAAGGAAACCGCTCTCGCCGATGCTAACGTAAGTTCGACTC
CCAAGGGCGAGATTATCCAGTTTCGAGAGGAAGGGATA

>Gus1 (FG525)_*Boletus edulis*

ATGGACTGGGGCAACGCAATCGTGCCTTCAAAGTGGTTCGGAAATAACGGCGAAGTA
ACCTCCCTCGTTATGGAGCTCAACCTGGATGGTACTTCCGAAAAACGAAAAAGAAAA
TAACTTGGCTTGCCCAACCCACGATTCCCACCCAGTAATCGAGGTCACCCTTCTGGATT
ATGACTACCTGATTACAAAAAGAAGCTCGAGGAAGAAGATGACGTGAAGGACTTCG
TCCCACAGTAAGCGAATTTTCGCGAAGAGGCACTGGCGGATGCGAACGTGAAAACGC
CTAAAGTCGGCGATATCATCCAATTCGAGAGAAAAGGATA

>Gus1 (FG525)_*Gymnopus androsaceus*

ATGGATTGGGGTAACGCGATCGTTTCGATCCAAGTTCGGTTGATTCATCCGGTAATGTCAC
CTCTATCGAGATGGACCTTCACTTGCAGGGAGATTTCAAGAAAACATAAGAAGAAGATA
ACCTGGTTGGCTCAACCTTCTCCGAGCATCCTTTGATTCCTGTCACCCTCCTCGACTAC
GACTACCTCATCACCAAGAAGAAGCTTGAGGAGAACGACAGTATCAAGGATTTTCATCA
CCCCCGTCACCGAATTCAAAGAGCTCGCGCTGGCAGATGCCAATGTCAAGGATCTCAA
AAAGGGCGATTATTTGCAGTTTTCGAGCGCAAAGGCTA

>Gus1 (FG525)_*Marasmius fiardii*

ATGGATTGGGGCAACGCTTTCATCCGTTCCAAAGTCATCGATGTCTCTGGTCAAGTAAC
CTCTATCGAAATGGAAGTACATCTCGCAGGAGACTTTAAAAAGACCAAAAAGAAGATC

ACTTGGCTTGCGGAATCTACGCTGAACATCCTCTCATCCCTGTGACCCTCCTCGACTAC
GACTATTTGATCACCAAAAAGAAGTTGGAGGAGAACGATAACGTGAAGGATTCATTA
CACCTGTCACGGAGTTCAGGGAGGCTGCGTTGGCGGATGCGAATGTGAGGGATTTGA
AGAAGGGGGATTATCTTCAGTTTGAGAGAAGGGGGTA

>Gus1 (FG525)_*Amanita muscaria*

ATGGATTGGGGCAATGCAATTGTCCGTTCCAAGAAAACCTGATGCTTCCGGATCAGTTGT
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ACTTGGTTAGCTGCACCAAAGCCAATCATAACCCTCGTCAGCGTCGTTCTATTGGATTAT
GATTACCTCATCACGAAGAAAAAATTGGAAGAGGAAGACGACGTTGCTGATTTTCGTGA
CCCCTGTTACGGAGTTCAAAGACAGTGCCATGGCAGATGCCAACGTACGCGATCTCAA
AAAAGGAGACATCATACAATTTGAGAGGAAGGGTTA

>Gus1 (FG525)_*Stereum hirsutum*

ATGGACTGGGGCAACGCCATCGTGCGCTCCAAGACCACCGACGCCTCCGGTGCCGTTA
CATCCCTCACCATGGACCTCAACCTCGCCGGCGACTTCCGCAAAACCAAAAAGAAAAT
CACCTGGCTCTCCCAACCCACCCGAGCACCAGCTCACCCAGCCGTTCTCATCGATT
TCGACTACATCATCACGAAGAAGAAGCTTGAGGACGGAGACGAGGTCAAGGATTTG
TCACGCCTGTCACTGAGTTCCGCGAGGAGGCGTGGGCGGATCCGAATGTGAGGTTGGT
GAAGAAGGGAGAGGTTGATCCAATTCGAGAGGAAGGGGTA

>Gus1 (FG525)_*Dacryopinax primogenitus*

ATGGACTGGGGCAACGCGATCGTGCGCTCAAAGAGACCCGACCGAACGGCGTCATC
ACGCATATCACGATGGATCTGCACTTAGAGGGCGATTTCAAGAAGACCGAGAAGAAGA
TCACGTGGCTCACCTCTCCGACGCGGCCACCCGTTGGTCAACGTCGTACTGAAGGAC
TACGACTACCTTATTACGAAAAAGAACTCGAGGAGGAGGACAAAGTGCAGGACTTT
GTTACCCCGTACGGAGTTCAAGGTCGCTGCCTGGTTCGACGCGAACGTGCTCGATC
TCGCTAAAGGGGATATCATCCAGTTCGAGCGGAAGGGGTA

>Gus1 (FG525)_*Calocera cornea*

ATGGACTGGGGCAACGCGTTCGTCCGCTCAAAGGAGAAGGACGCGAACGGCGTCATC
ACGCATATCGCGATGGAGTTGCACCTCGCAGGCGACTTCAAGAAGACGAAGAAGAAG
GTCACGTGGCTCGCCTGCCCCACCCGCCCCACCCGCTCGTCAACGTCGTGCTCAAGGA
CTACGATTATCTCATCACGAAGAAGAAGCTCGAGGAGGAGGACAAGGTGGAGGATTTT
GTCACGCCCGTGACGGAGTTCAAGGTCGCCGATGGTCCGACGCGAACGTACTCGAC
CTCGCCAGGGCGACATCATCCAGTTCGAGCGGAAGGGGTA

>Gus1 (FG525)_*Auricularia delicata*

ATGGACTGGGGCAACGCGTTCGTGCGCAAGAAGACGGGCGGCACGAACGGACTCGTG
GCGGGCGCTGGAGATGGAGCTCTTCCTCGAGGGCGACTTCAAGAAGACGAAGAAGAAG
ATCACGTGGCTCGCCGACGGCGCGGCCGAGCGCGTGAGGCTGCTCGACTACGACTTCC
TCATCACGAAGCGCGCGCTCGAGGAGAACGACGAGCTCACGGACTTCGTACGCCGC
AGACTGAGTTTGTGTCGACGCCGTGACCGACGCAAATGTCCGCGCGCTCAAGAAGG
GCGACATCATCCAGTTCGAGCGCAAGGGGTA

>Gus1 (FG525)_*Gautieria morchelliformis*

ATGGATTGGGGCAACGCTATCCTCCGCTCAAAAACCTCTCTCCCCCTCCGGTGCTGTCTCGA
GTCGCTGACAGCAGACTTGACCTCGAAGGCGATTCAGAAAAGACTGAGAAAAAGAT
CACATGGCTTGCGGACTCTGCTCACCGAACCCGCTCGTCAGCGTGACACTTGTGATTA
TGACTACCTGATCACAAAGAAAAAGCTAGAAGAGGACGATGATGTCTCGCAGACTTTGTT
ACTCCCGTTTCCGAGTTCCGCGTGGAAGCTTGGGCGGACGCGGGTGTGAAAGAATTAC
GAGTTGGCGACACCATGCAGTTCGAGCGTAAGGGCTA

>Gus1 (FG525)_*Ramaria acris*

ATGGACTGGGGGAACGCCATTATCCGTTCCAAAACACTCTCTCCCTCCGGCACTATCGA
GTCTCTCACCGCAGACCTTCACCTCGCCGGCGACTTCCGTAAAACAGAGAAGAAGATT
ACATGGCTTGCCGACTCGTCCCGTCACACTCCTTCGTGAGCGTTACGCTCCTCGATTAT
GACTACCTCATCACGAAGAAGAAGCTTGAGGAGGAGGATGATGTCTGTGGACTTTGTGA
CGCCAGTCACGGAGTTCCGCGTTGAGGCGTGGGCGGACGACGAGGCGTAAGGAGTCTGA
GCCCGGGGGATATTCTGCAGTTTGAACGTAAGGGTTA

>Gus1 (FG525)_*Asperigillus triticus*

ATGAGCTGGGGCAATGCCATTGTGCGCAAGATCACGGCGGACGCCTCGGGAGTGGTCC
AGGAGCTGGAGCTGGAGCTCCACCTGGAGGGCGACTTCAAGAAGACGGAGAAGAAG
GTGACCTGGCTGTCTCGGACCAGGAAGTGGTGCCGGTGGAGCTGGTGGACTTTGACT
ACCTCCTCAAGAAGGACACCCTGCAGGAGGAGGACGCTCTCGAGGACGTCCTGAACA
AGAACACCGAGTTCCGCGAGGACGCCGTGGCCGACTGCAACGTGGCCGACCTGAAGC
AGGGCGAGATCATCCAGTTCGAGCGCAAGGGATA

>Gus1 (FG525)_*Neurospora crassa*

ATGGGTTGGGGCAACGGCTTTGTCCGCAACATTGACACCTCTGCCGAGGTCATCCCCG
CCTTTGAGATCGATCTCAACCTTGCCGGCGATGTCAAGTCTACCGAGAAGAAGGTTAC
CTGGCTCGCGTCAAGGGCCAGACGCTGGTCCCTGCCGAGCTCTGGGACTTTGACTACC
TCATCACCAAGGACGTTCTCCAGGAGGAGGACAACATGGAGGACTTCCTCAACCCTGT
CACCGAGACCATGGAGGAGGCCTGGTGCAGGAGGCGGCCTCCCTCAAGAAGG
ACGACATCATTAGCTCGAGAGACGCGGTTA

>Gus1 (FG525)_*Agaricostilbum hyphaenes*

ATGGACTGGGGCAATGCCTACATGCGCACCAAGCACACCGAGGGCGACGCCGTGACA
TCTCTCGACGCAGTGCTGCACCTCGAGGGTGACTTCAAAAAGACTGAAAAGAAAGTG
CATTGGCTGGCGACATGGATTCGCTCGTGCCTGTCACCTTGATCGACTACGACTACCTC
ATCACCAAGAAGCGTATCGAAGACACAGACGAGTGGACCGATTACATCAACAAGCAG
ACCGAATTCCGCACTGAGGCTTTTGCAGACCCCAACGTCGCTTTGCTCAAGCAGGGCG
ACATTATCCAGTTTGAGCGCAAGGGCTT

>Gus1 (FG525)_*Rhizopus microsporus*

ATGGATTGGGGAAATGTCTTTGTTTCGCAAGGTAACCAAGAACGACCAAGGTCTGGCCA
CAGATGTTGAGTTGGAACCTCACCTTGAAGGTGATTTCAAAAAGACCAAGAAGAAGC

TCACTTGGTTGGCGCCGATGAAGACGCCACAGATGCTCTCTTGGTTGATTACGACTATT
TGATTACAAAGAAGAAGGTTGAAGAAGGCGATGATGTCAAGGATCTTGTTACACCTCA
AAGTGAATTTAAATACCCTGCCTTAGCAGATGGAAACATTAACAATTAAGAAGGGT
GATATTATCCAATTCGAACGTAAGGGATA

>Gus1 (FG525)_*Fomitiporia mediterranea*

ATGGACTGGGGCAACGCGATTGTGCGAAACATTTTCGCGATCCGCGTCGGGGGATGTTA
CGCACCTCGATCTGGACCTACACCTCGCTGGAGACTTCAAAGCAACCGAGAAGAAGA
TCACCTGGCTCGCTGTGCAAGCCATCACTGCCGCTTGTACCCGTCACCCTACTCGACT
ACGACTACATGGTAACGAAACGAAACTCGAGAAAGATGATACTGTAGAGTCGGTTGC
AACGCCACAGACGGAGTTCAAAGTCGAGGCGCTCGCGGATGCGAATGTCCTTACGCT
GAAAGAACGTGATACCATTCAATTCGAGCGGAAAGGTTA

>Gus1 (FG525)_*Schizophyllum commune*

ATGGACTGGGGCAACGCGATCGTTCGCAAGAAGGCGCTCGAGGGCGACAAGGTCACC
TCCCTTGAGCTCGAGCTGCACCTGGAGGGGCGACGTGAAGAAGACGAAGTTGAAGGTG
GGTGGTCGGGCTTGGCTGTGGCCTCGCTCGCGCCCGTGCCGGTCACGCTCCTCGACTA
CGACTACCTGATCACGAAGAAGAAGCTGGAGGAGGGGGATGATGTGAAGGATTTTGT
CACCCCCAGACCGAGTTCCGCACCTCAGCGATCGCGGACGGCAACGTGCGCACGCT
CAAGAAGGGCGACATCATCCAGTTTCGAGCGCAAGGGGTA

>Hem15 (FG756)_*Amanita muscaria*

ACGACAGGAAGTAGCCTGAACGATCTATACAGACGAGGGAAATCTGGTCAATTTGGCT
CTGATGTGCAATGGAGCGTGATTGACCGATGGGGAACACATTCAGGCTTTATTGAGGTC
AGTTGCAATTTATTTATACCTGATGCGACCAAGAACAGGCAGTTACACAGAGAGTGGC
AGCAGCTCTCGCCAAGTTTCCTGCATCCACCAGAGCAGATACCGTAATTTTGTCTCAG
CACACTCGTTGCCA

>Hem15 (FG756)_*Fomitopsis pinicola*

ACGACGGGGAGCAGCCTGAACGAGCTTTACAGGCGCGGCAAGGCGGGCGAGGTAGG
GGACGTGGAGTGGAGCGTCATTGACCGCTGGGGCACGCACCCGGGCTTCATCGAGGT
GCGTTCTGCTTCACTGTTTTTACGCTGACCGTCTGCTGCTGTACAGGCTGTGCGCAGA
ACATCGAGCGGGCGCTGGCAAATTCCTGAGGAGACGCGCTCGGACGTTGTGCTGC
TCTTCTCGGCGCACTCACTTCCC

>Hem15 (FG756)_*Phanerochaete carnosae*

ACGACGGGCAGCAGTCTCAACGAGCTGTACAGAAAGGGCAAGACTGGAGAAATCGG
GGACGGCGTCGAATGGAGCGTGATTGATCGCTGGGGGACCCACCCAGGCTTTGTTGAG
GTGCGCGCTTTGGGATAGAGTTGCCGCCGAATGCGTGCCGTGGGACAGGCCATGGCAC
AGAACATCGAGCGTGCGCTCGCAAAGTTCTCCGAGGAAGAACGCTCGGACGTCGTCC
TTCTCTTCTCGGCGCACTCGCTACCC

>Hem15 (FG756)_*Trametes versicolor*

ACCACAGGGAGCAGTCTGAACGAGCTGTATCGGAAGGGCAAGACGAGCGACTTCGGG
GACGGGGTAGAATGGAGTGTGATTGACCGGTGGGGTACTCATCCGGTTTTATCGAGG

TATGTCCGTCGATGTGTTCTCGAAGCTGCTTAACGTGCTGCATACAGGCGGTTCGCGCAG
AACATCGAGCGTGCCTGGCGAAGTTCCTGCCGAGAAGCGCTCAGAGACGGTCCTG
CTCTTCTCCGCACATTCGCTCCCG

>Hem15 (FG756)_*Agaricus bisporus* var. *burnettii*

ACGACGGGAAGCAGCCTCAATGAACTGTTTCAAGAGGAAAGGCTGGCGAAATGGGT
GACATAGAATGGAGCGTCATTGACCGTTGGGGAACATCCGGGATTTATTGAAGTGTG
CCACGTGAAATTCATTTTTCGACTAACCCTTGCATCTCTTCAGGCTGTGGCGCAGAATA
TCGAAGCCGCCCTCGCAAAGTTTCCCGAAGCAACGCGGTTCGAAACCGTGTCTTATT
TTCGGCGCATCTTTGCC

>Hem15 (FG756)_*Marasmius fiardii*

ACTACAGGGAGCAGTTTGAATGAATTATACAGAAGAGGAAAAGCTGGAGAGTTTGGT
GACGTTGAATGGAGCGTGATTGATCGTTGGGGAACACATCCAGGTTTCATCGAGGTCC
GTCAGCTTTAACCGACTCGAGAAATTTACGTTCCCGAATATAGGCTGTGGCTCAGAAT
ATCGAAGCGTCTCTTGCTAAATTTCTCAATCCGAAAGATCAGAAGTCGTTCTCTTATTT
TCTGCCCATTCCTTGCT

>Hem15 (FG756)_*Mycena crocata*

ACGACGGGAAGTAGTTTGAACGAGCTATTCAGGCGAGGAAAGGCAGGCGAACTGGAC
TCGGAATTTGAATGGAGTGTTATCGATCGTTGGGGAACACATCCTGGCTTTATAGAAGT
CCGTTTGTGTGCAATTATTGTTCACTCATTTTTACCCTTCCTTTAGGCTGTTGCGCAGAA
TATAGAAAAGACCCTCGCCAAATTCCTGTTGCGACGCGCGATGAGACCGTCATTTAT
TCTCAGCCATTCCTTGCCC

>Hem15 (FG756)_*Gymnopus androsaceus*

ACGACTGGCAGTAGTTTGAATGAGATTTACCGACGGGAAAGTCTGGTGAATTTGGAC
AAGATATTTCTTGAGCGTTATTGACCGATGGGGAACGCATCCGGGTTTATTGAGGTA
CGTGCAACCTCATTCATCTCGGGTCTAATTAATCTCTTCGTGCAGGCCGTTGCGCAAAA
CATAGAGGCTGCTCTGGCCAAGTTCCTGCATCAACACGTTTCAGAACTGTCATCTTAT
TTTCGGCTCACTCCTTACCC

>Hem15 (FG756)_*Pluteus cervinus*

ACGACTGGAAGCAGTCTCAACGAGCTGTTCAAACGAGGAAAGCCGGTGAACCTAGGC
CAACTAGAGTGGAGCGTCATTGACAGATGGGGTACCCACCCTGGGTTTATCGAGGTGT
GTTTGGTGTGTTCTTGCAAGGCGTCAAACGCAGCTCTTCTCAGGCTGTGCGCAAAA
CATCGAAGCAGCACTTTCAAATTCCTGGAGTCAACGCGTTCAGAAACAGTCTTGCTT
TTTTAGCGCATTCGCTGCC

>Hem15 (FG756)_*Tricholoma matsutake*

ACCACCGGTAGTAGTCTTAACGAGTTGTTTCAAGCGTGGGAAAGGGGGTGACATTGGTC
AGGATGTTGAGTGGAGTGTGATTGACCGCTGGGGCACACATCCGGGTTTCGTCGAGGT
GCGTCACATAACGCACACTTGATAATGGCTGCATGTTTTGTCCAGGCTGTGCGCAAAA
CATCGAAGCAGCTCTAGCGAAATTTCTCTCCATCAACCCGGAAGGACACCGTACTGCTAT

TTTCGGCCCATTCATTACCT

>Hem15 (FG756)_*Hygrophoropsis aurantiaca*

ACTACTGGAAGTAGTTTGAATGAGCTCTTCAGAAAAGGAAGGGCGGGTGAAATCGGA
GACATTGAATGGAGCGTCATTGATCGGTGGGGTACCCACCCAGGATTCATTGAGGTCG
GCATTCAATTCATAATCGAATGTTCAAAAATAATGTTACAGTCAGTTGCACAAAATAT
CGAAGCAGCGTTGTTCGAAATTCCAAGAATCAGATCGCTCAGATGTGGTCTTGTATTCT
CTGCACATTCCTTGCCC

>Hem15 (FG756)_*Boletus edulis*

ACGACAGGAAGCAGCTTGAACGAACTCTTCAGACGAGGAAGGGCGGGTGAGATGGG
AGATGTCTGAATGGAGTGTGATTGACCGCTGGGGTACACATCCTGGCTTCGTCGAGGTG
AGTACCACTGTCTTTTGCCGGACACCCATGGCTATCCAGGCAGTGGCACAAAACATCG
AGGCCGCGTTACAACAATTCCAACCGTCCGATCGCTCTGACGTGGTGTCTATTCTCG
GCACATTCGCTACCC

>Hem15 (FG756)_*Gymnopilus chrysopellus*

ACGACTGGAAGCAGCCTCAATGAACTCTACCGACACCGAAACAACAGTGATATGCAA
GGCATTGAGTGGAGCGTTATAGACCGATGGGGTACGCATTCTGGCTTCGTGGAGGTAAT
TTTCATCTGATTTACTTTCTATTCAACGGCGTAATTATCTAGGCAGTCGCCCAGAACATT
GAGGCTGCTCTTGCTAAGTTTCCAGCTGATAAACGCTCGGAGACTGTCCTATTATTCTC
GGCTCACTCACTGCCC

>Hem15 (FG756)_*Agrocybe pediades*

ACAACAGGAAGTAGTCTGAATGAGCTCTACCGTAAACGAAAGGAAACGGGTTTGGAC
TCTATTGAATGGAGCGTCATAGACCGTTGGGGTACTCATCCGGGCTTCATTGAGGTGAG
TCGTAACATAACAACCTTTCCTTCATCTAAGGACCCTGTATAGGCTGTTGCCCAAATAT
CGAAGCTGCACTCGCGAAGTTCCCGGCCGACAAGCGCTCGGAGACTGTCCTTTTATTT
TCAGCCCACTCTCTCCCC

>Hem15 (FG756)_*Ramaria acris*

ACGACTGGGAGCAGTTTGAATGAGGTGTGGAGGCGGGCTAAGGGCGGTGCGTGGGGA
GACGTGGAGTGGAGCGTGATTGATCGGTGGGGCACACATCCTGGGTTTGTTCGATGTGC
GCCTCCCTCCAGTTTGTCTTAGTGTGTTCTGATGCACCTCTAGGCCGTGCGACGAAAC
ATCGAAGCAGCACTCGCCAAATTCCTCCAGACCGCCGCGCAAACGCCGTCCTCCTAT
TCTCTGCGCATTCCCTCCCC

>Hem15 (FG756)_*Gautieria morchelliformis*

ACCACCGGCAGCAGTTTAAATGAGATGTTTAAAGCGAGGAAGCAAGGGGGAGCTGGGC
GGTATAGAATGGAGTGTTCATTGATCGGTGGGGCACACATCCCGGCTTTGTTGAAGTGA
GCCTCTCGTCGCCACAACCTTAACCCGATCCTTTAATGATCAGGCAGTTGCACAAAATA
TCGAGAAAGCTCTCGAAAAGTTCCCTCCTGAACGCCGTTCTCTGCCGTTCTTCTCTTC
TCGGCCCATTCCTCCCC

>Hem15 (FG756)_*Coprinopsis cinerea*

ACCACGGGCAGCAGCCTTAACGAGCTATACCGACGCGGGAAGGCCGGTGAAATGGGT
GACATCAAATGGAGCGTAATAGACCGATGGGGAACACACCCTGGATTTCATCGAGGTAG
GGTTTTTAAACTTTGCGAAGAAACAGCTCATCTCTGGCTGTAGGCTGTCCGCCCCAAA
CATTGAAGGAGCATTAGCCAAGTCCCACCTGAAGTCCGGTCAGATGTTGTATTGCTAT
TCTCAGCGCACTCCCTACCG

>Hem15 (FG756)_*Serpula lacrymans* var. *lacrymans*

ACAACGGGAAGTAGCTTGAATGAACTTTTTTCGTCAAGGCAAGGCCGGTGAAATGGGTG
ACATTGAATGGAGTGTGATCGACCGATGGGGGACACACCCTGGGTTTATCGAGGTACG
TTATTCACACTCCTTAGAACTACAGCTTTGTTTTTTCCCTAGGCAGTATCCCAACACAT
AGAAGCAGCGCTAGCAAAATTCGATCCCGCGGTCCGCTCAGATGTGGTACTTCTCTTCT
CAGCGCATTCTTTGCCA

>Hem15 (FG756)_*Laccaria bicolor*

ACAACAGGAAGCAGTTTGAACGAGCTATATCGTCGTGGAAAGGGTGGAGAGATGGGT
GATGTCCAATGGAGCGTGATAGATCGCTGGGGAACCTATTCTGGTTTTCGTCGAGGTACT
TGCCGCCTCACATACACATCTTACATCCACACCACAGGCAGTTGCGCAAAATGTTGAG
GCGGCTTTGGAGAAATTTTACCCACACACGCGCCAACGCCGTTTTACTCTTTTCCGC
ACATTCTTTACCA

>Hem15 (FG756)_*Schizophyllum commune*

ACGACGGGCAGCAGCCTGAACGAGCTTACCGCAAGGGCCGGAGTAGAGAGTTTGGG
AATGAGGTTCGAGTGGAGTGTGATCGACCGGTGGGGGACGCATCCCGGGTTCATTGAG
GTGCGTTGAGTGGACTTACCCTGTGCGCGCAGGCCGTAGCGCAAAACGTAGAGTCCGC
GCTGGCCAAGTTCACCCGTCGGACCGCAGCGACGCAGTGATCCTCTTCTCCGCGCAC
TCGTTGCCG

>Hem15 (FG756)_*Fomitiporia mediterranea*

ACGACGGGGAGCAGCCTTAATGAGATTTACCGGCTCGGGAGGTCAGGTGTGGCTGGCT
CTGGTGTGGAATGGAGCGTTATAGACCGATGGGGAACGCATCCTGGGTTTGTGACGC
AGTTGCGCAACGCGTTGAAGCAGCACTTCAACGGTTCCTCCTGACAGGCGGAAAGA
TGCAGTTCTTCTTCTCCGCACATTCTTCTCC

>Hem15 (FG756)_*Stereum hirsutum*

ACGACGGGAAGTAGCTTGAACGAGATATTCAGGAAGGGAGCACCGAGTGGGATGGAA
GGGATCGAATGGAGTGTGATCGACCGGTGGGGAACGCATCCTGGGTTTCATCGAGGTCC
GTGTCTTTTACTACCTCCGATTCCATTGTAACCTTGTGTCACAGGCCGTAGCTCAAATA
TCGAAGCAGCACTACAGAAATTTCCCGAAGCCACTCGGTCCGACACCATTCTCCTCTT
CTCAGCACATTCCCTTCCC

>Hem15 (FG756)_*Calocera cornea*

ACTACTGGGAGCAGCTTGAACGAGATGTGGCGCTGGGCGACGGGGATCAGGATGGAA
GGGGTGGAGTGGAGCGCCATCGACCGGTGGTTCTCCATCCGGGTCTGGTAGAGGTGC

GCGCCCTATGGCCTTCCCAACAGGAGCTAACACCACCCAGGCCTTCGCCCCGCAACATC
GAAGCCGCGCTGGAGCACTACGAGCCGTCTGTGCGCTCGTCCGTCGTCCTCCTCTTCT
CCGCCACTCCCTCCCC

>Hem15 (FG756)_*Dacryopinax primogenitus*

ACTACTGGGAGCAGCCTGAATGAGGTCTGGCGCTGGGCGACGGGGGTGAAGATGCCC
GGTGTGGAGTGGAGCGTTATCGATCGTTGGTTCCGCCACCCCGGTTTGGTAGAAGTAC
GTTTCCCTCGCCTACACTAGCTGACGAAAGCAGGCATTTCGCACGCAACATCGAAACT
GCGTTGGAACACTACGATCCCTCAACGCGTGACTCGGTCGTGCTCCTCTTCTCTGCCCA
CTCCCTCCCC

>Hem15 (FG756)_*Auricularia delicata*

ACGACCGGCAGCAGCCTGAACGAGGTCTTCCGCTCATGTGGCATCGATAGAGAGGCTG
GCGACGTCGAGTGGAGCGTCGTCGACCGCTGGGGCACCCATCCAGGTCTCGTAGAGG
TGCGTCTAGCGGTACATACTCCGCATTTCGTGCTGACCGCCACGCAGGCCTTTGCCCAA
ATTATCGAAACCTCGCTCGCAGAGTGGTCAGCGGAGGAACGCAAGGACGTAGTCCTCC
TCTTCAGCGCGCATAGCTTACCA

>Hem15 (FG756)_*Rhizopus microsporus*

ACCACAGGCAGCAGCCTGAATGAGCTTCATCGCCGTATTAAGAATTGGGAATGGATA
CAGGTATCCAATGGAGCATCATTGACAGATGGCCAACACACCCTGGGTTTATTGATGCT
ACTGTTACAAGATTGAACAAAAATTGGCAGAGTATGGACCAGAGGAACGAAAGGAC
GCGGTCATCATGTTCTCTGCTCACTCACTTCCA

>Hem15 (FG756)_*Agaricostilbum hyphaenes*

ACCACTGGCTCCAGTCTGAACGAGATGGCCAGGCAGATTAAGCAGCGACCGGGGCTC
AAGGATGTAGAGTGGACCGTGTGGACAGATGGGCGACGCATCCTGGTTTTCGTTGAGG
TACGCTGTTCTGCAGTTTCTAGACTTGCCGGCACAGCTGTACCCAGGCCATGGCTCAA
GTCATCGAGCGCGGTCTGGAGTCTTATGACCCTGAAGTCCGCAAGGACGTCATCATTG
TGTATTCGGCACACAGTCTGCCC

>Hem15 (FG756)_*Asperigillus triticus*

ACGACGGGGAGCTCCCTCAATGAGCTGTGGAAATGGCGGACGCGGCTGGAGGCGGCG
GGCTCGATCCAGTGGAGTGTTCATCGATCGGTGGCCGACCCATCCCGGCCTGGTGGAGG
CGTTTGC GCGGAACATCGAGGACCAGCTCAAGACGTACCCCGAGGACCGCCGGAGCG
GCGTGGTCCTGCTCTTCTCCGCCACAGTCTCCCC

>Hem15 (FG756)_*Neurospora crassa*

ACCACGGGCAGCAGTTTGAACGAGCTATGGAAGTGGAGGCAAAGACTGGAGGAGGA
CGGTACCATTCGGTGGAGTGTGATTGACAGGTGGCCACTCACCCCTGGCCTTGTTCGAG
GCCTTTGCGAGGAATATCGAGGAGAAGCTGGCCGAGTACCCCGAGGAGCGCAGAAAA
GATGTTGTGTTGCTGTTCTCGGCTCACAGCTTGCCC

>Hom3 (FG534)_*Fomitopsis pinicola*

ATTGAGGACAGCCTCGAAAAGAAGCTGCTCGACCGCGTCGTGCGTGAGCTGAAGAAG
AGCGGGACGGTTCGGTGCCTGTACCAATATTGTTGACGTCCGGTGCTGCAGGTGACTG
TCAGCAGAGACATGGCCATCTTGTCTCTGGTTCGGCAAGAGGATGCGGAATATGGTTCGG
CATAGCCGGCCGGATGTTACGACCCTGGGCGACGGGAAGGTGAACATTGAGATGATC
AGCCAGGGTGC GAAC

>Hom3 (FG534)_*Schizophyllum commune*

ATTGAGGACTCGCTCGCGCCGAAGCTGCTCGACCGGCTCGTCACCGAGCTCAGGAAG
AGCGGGACGGTGTTCGGCGCACCGCGATATGGCCATCCTGTCCCTCGTCGGGAAGCAGA
TGC GCAATATGGTTCGGCATTGCGGGGCGGATGTTACGACTTTGGCGCAGGGCAATGT
GAACATCGAGATGATCAGCCAGGGGCGCGAGC

>Hom3 (FG534)_*Auricularia delicata*

ATTGAGGACCGCGGCGAACGCAAGAGCGTCGACCGCCTCGTGCGCGAGCTGCAGAAG
CTCGGCTCTGTCTCGGTGCATCGCGATATGGCGATCCTCTCGCTCGTCGGCAAGTCGAT
GCACAAGATGGTTCGGCATCGCCGGCCGCATGTTACGACGCTCGCCGAAGGCGGGCGT
CAACATAGAGATGATCAGCCAGGGGCGCGAGC

>Hom3 (FG534)_*Mycena crocata*

ATTGAAGATGGGTTGGCGAAAAAGATGCTCGAGCGGCTTCTGCGGGAGCTGCAGAAG
AGCGGGACGGTATGCATCGACTGGTCTCATTGTTAAAACGCACCTACGCAGGTCTCGG
TGCACCACAACATGGCGATCCTGTTCGCTGGTGGGAAACATATGTGCAATATGATCGGC
ATATCAGGGCGAATGTTACGACACTTTCGCGCAGGGCAAGGTTAACATAGAGATGATCA
GCCAAGGCGCGAGC

>Hom3 (FG534)_*Gymnopilus chrysopellus*

ATTGGGGATAATCTGCCAAGGAAGATGCTGGACAGGCTGGTGAAGGAATTGAAGACC
AACGGCTCCGTATGTCAATTCTCCCGTAGGCATTCTTCCTCTCTTCTCATAGGTATCGGTA
CATCATGACATGGCCATCCTCTCCCTCGTCGGGAAGCAGATGCGCAATATGGTTCGGTAT
TGCAGGGCTCATGTTACCAACCTTCGCCAAGGCGGGCGTCAATATCGAGATGATCTCGC
AAGGAGCCAGC

>Hom3 (FG534)_*Trametes versicolor*

ATCGAGGAGAACTACGACAAAAAGGTGCTCGACCGCGTCGTGCGCGAGCTGAGGAAG
AGCGGCACCGTACGTCTTCACATCAGTACTCCTTTGCTGACCGTCCCAGGTCCAGG
TCATCCGGGATATGGCCATCCTCTCCCTGGTTCGGGAAGTCGATGCGGAACATGATCGGT
ATTTCCGGGCCGCATGTTACCAACGCTCGGCCAGGGCAACGTGAACATTGAGATGATCA
GCCAGGGGCGCGAAC

>Hom3 (FG534)_*Amanita muscaria*

TTTGAAGACACGCTAGGCAAGAACTTTTAGAAAGGCTTCTGAATGAACTACGGAAG
AGTGGGACGGTATGCGTTCTTTCTCTGTTCTCGGATACTTTGTTTCGTTCAGGTGTCAGT
CCACCGCGACATGACCATCCTCTCGCTTGTTCGGGAAACAGATGAGGAACATGGTTCGGT
ATCGCTGGGCGAATGTTACAAACGCTCGCGCAAGGCGACATCAACATCGAGATGATCA

GCCAAGGCGCAAAT

>Hom3 (FG534)_*Laccaria bicolor*

ATCGAGGACGGGTTAGGGAAAAAAGTGCTTGATCAGTTGGTTGCGGAACTAAGGAAG
AGCGGCACGGTGAGTTTTAGCCTTGTTTTGAAATAGATAAGAATGAATCAGGTCTCCAT
CCACCGTGACATGGCTATCCTGTCCCTAGTAGGCAAACAGATGCCGAACATGGTGGGTA
TCGCAGGGAGGATGTTTCAGACCCTTGCACAAGGGAATGTCAACATCGAAATGATCAG
CCAGGGTGCAAGT

>Hom3 (FG534)_*Pluteus cervinus*

ATCGAGGACGGTCTTGCCAGGAAGTTCTTGAGAGATTAGTCGGCGAGCTAAAAAAA
AGTGGAACAGTAAGGCGGATCGTGGCGATAGAAAGGCTGACGAGGTCTTAGGTCACG
CTCCACAAGGACATGGCCATCCTTTCCCTCGTTGGAAAACAAATGCGGAACATGGTCG
GTATTGCAGGACGCATGTTACGACTCTTGCACAAGGAAATGTGAATATCGAGATGATT
AGCCAAGGGGCTAGT

>Hom3 (FG534)_*Stereum hirsutum*

ATTGAGGACGTGTTGGAGAAGAGGGTTCGTGCAGAGGTTGGTTCCGGGAGTTGGAGAAG
AGTGGGAGTGTGAGTCGTCTTCCCTTCCCTTTATTATTTGTTGTCGTACAGGTCTCCCTC
CACCGCGATATGGCCATCCTCTCCCTCGTTCGGCAAACAGATGCGCCACTCGATCGGAAT
TGCGGGCAGGATGTTCACTACCCTCGCCAGGGCAACATCAACATCGAGATGATCTCC
CAAGGTGCAAAC

>Hom3 (FG534)_*Coprinopsis cinerea*

ATTGCGGATGGGATGGGGAAGCGGGTGGTGGATAAGTTTGTGAATGAGCTGAAGAGGT
TCGGGACGGTATGTTGTTTTACTGTTTTTGCATTACACCTATGGAACAGGTCTCGGTG
GGCAGGGATATGGCCATTCTCTCCCTCGTTGGCAAGCAGATGCGGAACATGGTCGGTAT
TGCCGGCAAGATGTTACGACGCTTGCGGATGGCAATGTCAACATTGAGATGATCTCC
CAAGGCGCGAGT

>Hom3 (FG534)_*Phanerochaete chrysosporium*

ATCGAGCAGGGCGTCGAGCGCCGCTCGCTTGACAAGGTCGTGCGCGAGCTGAACAAG
TACGGCACTGTGAGTGGACATGGTTGTGATGCGAACGTTTCGCGATCGCCAGGTGACGG
TCGCGCGCGACATGGCGATCCTGTCGCTCGTTCGGGAAGCAGATGCGGCACCTCGTCGG
TATTGCAGGGCGCATGTTACGACCCTCGGGCAGGGCAACGTGAACATCGAGATGATC
AGCCAGGGCGCGAAC

>Hom3 (FG534)_*Serpula lacrymans* var. *lacrymans*

ATCGAAGATAACCTGTCAAAAAAATCATGGACCGTCTAGTCGCTGAGCTGAAGAAAA
GTGGAACGGTACGCGTGGTTTTAACGTCTTGCTTACCTTGACCTTTACAGGTCTCCGTC
CATCGCGAAATGGCTATTTTGTCACTTGTGGGAAAGCAAATGAGGAAACATGGTTGGTAT
TGCCGGACGCATGTTACGACACTCGCGCAGGGCAATGTGAATCTTGAGATGATCAGT
CAGGGGGCCAGC

>Hom3 (FG534)_*Hygrophoropsis aurantiaca*

ATTGAAGATAGTTTGTCCAACAAAATAATGGAGCGACTTGTCTCTGAGCTGAAAAAAA
GCGGAACGGTGGGTCATTATTTGGACATGCAGTCCCTACCTGCTCTCTAGGTGTCTGTC
CATCGGGAAATGGCCATTCTCTCGCTCGTGGGAAACAGATGCGCAATATGGTTGGTAT
ATCCGGCCGCATGTTCACTACCCTGGCACAGGGAAATGTGAACATCGAAATGATTAGC
CAAGGGGCTAGC

>Hom3 (FG534)_*Gymnopus androsaceus*

ATTGAAGACGCGCTGGCGCAAAAGTTATTGGATAGGTTGATTTCCGGAGCTGAAGAAGA
GTGGTACGGTGAGTTGTTTTCTTTCTTTTCTCCTCTCACACATACTTCCAGGTCTCTGTCC
ACAAAAACATGGCCATTCTCTCCCTCGTGGTTCGAGAAATGCGTCACCTCGTTGGAAT
CGCCGGACGAATGTTACACGCTTGAAACGGTAACGTCAATATCGAGATGATCAGC
CAAGGAGCGAGC

>Hom3 (FG534)_*Tricholoma matsutake*

ATCGAAGAGGGGTTATCTAAGAAAATTGAGGACCGGCTTATTAAGATCTCAAGAAAA
CGGGAACGGTAAACGCAACTTTTGCATCTACAGTTTCTTCCCCTTCTTAGGTATCTGTA
CACCGTGACATGGCCATTTTGTCTTTGGTTGGAAAAGAGATGCGCAATATGGTCGGCAT
AGCTGGGAGAATGTTACGGCGCTCGCACAGGGAAACGTCAACATTGAGATGATTAGT
CAGGGCGCGAGC

>Hom3 (FG534)_*Agrocybe pediades*

ATTGGCGATAGTCTTCCCTAGAAAGGTTCTAGATAGACTGGTGAAAGATTTGAAAAACA
ACGGATCGGTACTATCATCTCCTTTTCCCCTGTTACATTTATTATCAGGTATCCGTGCA
CCATGACATGACCATCCTATCTCTCGTGGAAAGCAAATGCGCAACTCGGTGGTATTG
CGGGCTTGATGTTACACGCTCGCTCAGGGCAACGTGAACATCGAGATGATCTCGCA
AGGTGCTAGC

>Hom3 (FG534)_*Boletus edulis*

ATCGAGGACAATCTTCCCCGAAGATCATGGACCGTTTAGTCTCCGAACTCCAAAAAA
GTGGATCGGTGAGCCTGCTCTGCCTCCTCGTGTACGCTATTTCCAACAGGTCTCTGTC
CACACAGACATGGCTATTCTCTCGCTCGTTGGAAAACAGATGCGCAATTTGGTGGGCAT
GTCGGGACGGATGTTTCAATCACTCGCACAGGGCAACGTCAACATCGAGATGATCAGT
CAAGGCGCGAGC

>Hom3 (FG534)_*Agaricus bisporus* var. *burnettii*

ATAGAAGATGGATTGGCCAAGAAAGTGTGGATAGACTGGTCAAGGAGCTCAGGAAA
AACGGAAGTGTGCGTATTTGTTCTATTTGACTTTGCTGAAAACGGAAACAGGTGTGCGG
TGCACAAGGAGATGGCGATACTGTCGCTGGTGGGGAAGCACATGCGGAACATGGTTG
GGATTGCGGGAAGGATGTTTACGACACTTGCGGAGGGGAGTGTGAATATCGAGATGAT
CAGCCAGGGTGCGAGT

>Hom3 (FG534)_*Marasmius fiardii*

ATTGAAGGTAGTCTAGCCCCAAATACTCGATCGGCTTGTGCGGGAGTTGAAGAAGA
ATGGGATGGTACGACGGTTTCTCCCTTTCAGAAGTTTACTTTTTCGCTCAGGTCACGGTA

CATCACAACATGGCAATTCTGTCCCTGGTCCGGCAAAAATATGCGTCATCTCGTCGGCGT
AGCTGGGCGCATGTTACGACTCTCGGTCAAGGGAACGTTAATATCGAGATGATTAGCC
AGGGTGCTAGT

>Hom3 (FG534)_*Lactarius quietus*

ATCGAGGACGTGCTCGATCGAAAGATGGAGGCCCGTCTCGTGAGGGATCTCGAGAAG
ATCGGTATCGTGCGTCTACCTCCCCCTTCGCTTTTTCTCGTCCTTTTTAGGTGTCTGTG
TATCGCGACATGGCGATATTGTCCATGGTGGGCAAGCGCATGCGCAACACGGTCGGCAT
CTCCGGGCGCATGTTACGACGCTCGCGCAGGGTAACGTGAACATAGAGATGATCAGC
CAGGGCGCGAAC

>Hom3 (FG534)_*Gautieria morchelliformis*

CTGGAGGAGGGGATGAGCAAGAAGGTGTTGAAGAAGCTGGTGTCCGAACTGGAGAA
AACGGGCAACGTGCGTGTTCCTCCCTGCCGCGTACGCTCACGCGTGGGGGCAGGTCTC
GCTGCACGGCGACATGGCGATTCTGTCCCTGGTGGGACACCAGATGCGCCACATGGTA
GGGATTGCCGGGAGAATGTTCCGCGACACTGGCAGAGGGGAACATCAACATCGAAATG
ATCAGCCAGGGGGCGTCC

>Hom3 (FG534)_*Ramaria acris*

ATAGAGGAGGGATTGAGTAAGAAGACACTGACCAGGCTTGTAAGAGAGCTGGAGAAA
GCCGGCTCTGTGAGTCTTTTTCTTATACAGTTTCTTATAGTGACATTCAGGTATCCCTT
CATCCTGACATGGCAATACTATCGCTCGTCCGGTCACCAAATGCGGAATATGGTGGGAAT
TGCAGGGAGGATGTTTCGCTACTCTTGCGGAGGGCAATGTCAATATCGAGATGATCAGTC
AGGGAGCATCG

>Hom3 (FG534)_*Fomitiporia mediterranea*

ATCGAGAATAACTTGGGCAAACGTATGATGGATCGACTGGTAAGGGAACTGGAAAAGA
GTGGGTCTGTGAGTCGAATTTCTTTTCGTGTTAAGGTGAAACTTGTGTAGGTCTCTGTG
ACACCTGACATGGCTATTCTTTTCGCTCGTCCGGAAACAGCAACGTAATTTAGTCGGTAT
TTCTGGTTCGTATGTTCTCATCCCTCGCCGAGGGCAATATCAACATTGAGATGATCAGCC
AAGGCGCGTCT

>Hom3 (FG534)_*Calocera cornea*

CTGGAGGACTCTGGCGGCCGGCGGATGCGGGACCGGCTCGTTGCCGAGCTGAGCAAG
ATCGGCCAGGTCACGCTCAGCCCGGAGATGGCGATCCTGTGCTGGTGGGCAGCCAGA
TGCGCCACATGGTCGGCATCTCCGGCCGCATGTTACCACGCTCGCCGAGGGCAACAT
CAACATCGAGATGATCAGCCAGGGCGCGAAC

>Hom3 (FG534)_*Dacryopinax primogenitus*

CTGGAGGACTCTGGGGGAAAACGCATGCGCGATCGACTGGTGCACGAACTGAGCAAG
ATAGGCCACGTCACCCTCTCCCCAGGGATGGCGATCCTCTCGCTCGTGGGGAGCCAAA
TGCGGCACATGGTCGGTATCTCCGGGCGGATGTTACCACCTCTCGCCGAGGGGAATATT
AACATTGAGATGATCAGTCAGGGCGCGAAC

>Hom3 (FG534)_*Rhizopus microsporus*

CTATCCATAGATGTCACTGAGAATAGTTTAAGTAGAGCTCTAGTGGAAATTAGAAAGATT
AGGAACAGTAAGTGTTCACATGAAACCCATCCTGATGTCTTGGTTTTAGGTTCGATGTTA
TCCGAGATATGGCCATTGTGTCTCTTGTAGGCAAACAGATGAAGAATATGATCGGTATA
GCCGGTCAAATGTTCTCTTCAGTGGCGGAAGCTGGAGTTAGTTTAGAAATGATTTAC
AAGGTGCATCA

>Hom3 (FG534)_*Agaricostilbum hyphaenes*

ATGCACGGTGTTCAGAGACACTTGTGGATCGAGTCGTCAAAGACCTCAGCGTAG
TCGGCGAAGTGTCCATGACCAAGGACATGACCATCCTGTCCCTGGTGGGCAAATTGAA
GAACATGGTCGGCATCGCTGGCAAGATGTTACGGTACTGGCTAATGGCGGCATCAAC
ATCGATGTCATCTCTCAAGGAGCCTCA

>Hom3 (FG534)_*Asperigillus triticus*

CTTCACTCGGTAATCATTGACGAGGATCTCAAGGGCGCCTTGCACGACCTCCAGAGAT
ACGGTACCGTTGACATCATCCCGAAATGGCCATCCTCAGCCTTGTTGGGAAGCAGAT
GAAGAATATGATTGGGGTCGCCGGCAAATGTTTTCGACCCTCGGGGAGAATAACGTT
AATATAGAGATGATTTCTCAAGGCGCGAGT

>Hom3 (FG534)_*Neurospora crassa*

GTGCACATCAATGCCGAGATGACCAACTTTGACGCGGCCGTCAAGGACCTGGGCGACT
GCGGCGATGTGAGCGTCTCCATGGTCTGGCCATCCTCAGTCTGGTGGGCGCCGAGAT
GAAGAACATGATTGGTATTTCCGGAAAGATGTTTTCGACGTTGGGTGATCACAGAATC
AATATTGAGATGATTTCTCAGGGTGCCAGC

>Hsp60 (FG691)_*Boletus edulis*

GGTGCCCGGTAAGTTTCCCTCTCTTTGCCCATGTGCTCACACGGACAGTCTCATTCAA
GACGTGCCCAAAGACGAACGAAATTGCGGGCGATGGGACAACGACCGCGACTGTC
TTGGCTCGCGCCATTTACGCCGAGGGTGTCAAGAACGTTGCTGCGGGATGTAACCCTAT
GGACCTTCGTGCTGGGTGCGCAAGCCGCTGTTGACCGTGTGCTCGAGTTCCTGTCTGTC
AATACCAAGAAGGTGACGACGACTGCCGAGATTGCTCAAGTCGCGACCATCTCTGCCA
ATGGTGACACGCACGTGCGCAACTTGATTGCCAGGCC

>Hsp60 (FG691)_*Gymnopilus chrysopellus*

GGTGCTCGGTAAGCCTTTCGTGCTCGTTCTTCAACTCATTACCATACAGTCTGGTCCAG
GATGTGCCCAAGACCAACGAGATTGCTGGTGACGGAACCACCACCGCGACCGTT
CTAGCTCGCGCCATCTACTCAGAAGGTGTCAAGAACGTCGCTGCTGGCTGCAACCCCA
TGGACCTCCGCCGAGGCTCCCAGGCTGCCGTCGACCGTGTGTTAGAGTACCTCTCTGC
CAACACCAAGACCATCACCACCACGGCCGAAATTGCCAGGTCGCCACCATTCTGCC
AACGGTGACACCCACGTTGGCAACCTCATTGCCAGGCT

>Hsp60 (FG691)_*Serpula lacrymans* var. *lacrymans*

GGTGCTCGGTAAGCTTTGGAGTTGTTGCGTTTACGCTAACGTCTTTCAGTCTTGTC
GATGTAGCTCAAAGACCAACGAGATTGCCGGTGATGGTACCACCACCGCCACTGTCC

TCGCTCGTGCTATCTACTCTGAGGGTGTTAAGAATGTCGCCGCAGGGTGCAACCCCATG
GATCTTCGTCGTGGTTCCCAGGCTGCTGTTGACCGCGTCGTTGAGTTCCTCTCTGCCAA
CACCAAGACTATCACAACCACCGCCGAGATTGCCAGGTCGCGACTATCTCTGCCAAT
GGCGACATCCACGTCGGCAACCTCATTGCGCAGGCC

>Hsp60 (FG691)_*Laccaria bicolor*

GGTGCTCGGTAACCTACCCCTTCCCTCGTCCTCTTTCTCACATTTCCAGCCTTGTCCAA
GACGTTGCACAAAAGACAAACGAAATCGCAGGTGATGGAACAACAACCGCCACCGTC
CTCGCTCGCGCCATCTACTCCGAGGGCGTCAAGAACGTCGCGGCAGGCTGCAACCCCA
TGGACCTCCGCCGCGGTTCCCAAGCAGCCGTCGACCGCGTCGTCGAGTTCCTCTCCGC
CAACACAAAGACCATCACCACCACCGCAGAGATTGCTCAAGTCGCCACCATCTCCGCA
AATGGCGACACCCACGTCGGCAACCTCATTGCGCAGGCC

>Hsp60 (FG691)_*Phanerochaete carnosae*

GGTGCCCGGTGAGTAACTACTCTATCCCACGGATTACTGACTTTTGCAGTCTTGTCCAG
GATGTGCGCAAAAAGACTAACGAGATTGCTGGTGATGGCACTACCACGGCCACTGTCC
TCGCTCGTGCAATTTATTCGGAGGGTGTAAGAACGTTGCTGCTGGCTGCAACCCAAAT
GGACCTCCGCCGTGGCTCGCAGGCTGCTGTAGACCGTGTGTCGAATTCCTCTCGTGC
CAAGCCAAGACAATTACCACCACCGCTGAGATTGCTCAGGTCGCCACTATCTCTGCTAA
TGGTGATACCCACATCGGCAACCTCATTGCCCAAGCC

>Hsp60 (FG691)_*Trametes versicolor*

GGTGCTCGGTGAGTAAACCCCGCGTTCGTTCCGCACTCATCCATTTAGTCTCGTCCAG
GATGTTGCGCAAAAAGACGAACGAGATTGCCGGTGACGGCACGACCACCGCGACCGTC
CTCGCGGTGCCATCTACTCGGAGGGTGTAAGAACGTCGCTGCTGGCTGCAACCCCA
TGGACCTCCGCCGTGGTTCCCAGGCCGCGTCGAGCGTGTGTCGACTTCCTCTCGAA
GCAGGCAAAGACGATCACCACGACCAGCGGAGATTGCCAGGTCGCAACCATCTCCGC
GAACGGCGACGCGCACGTCGGCAACCTCATTGCGCAGGCC

>Hsp60 (FG691)_*Schizophyllum commune*

GGTGCCCGGTGCGTTCCCTCCGCGTTTTCTCCTCTACTTACACCTCAGCCTCGTTCAG
GATGTGCGGTGCAAGACTAACGAGATTGCCGGTGACGGTACGACGACCAGCGACGGTC
CTCGCACGCGCCATTTACTCCGAGGGTGTAAGAACGTCGCTGCTGGCTGCAACCCCA
TGGACTTGCCTGGTGGCTCGCAGGCCGCGTCGACCGCGTGTGTCGAGTTCCTCTCCTC
GCAGGCCAAGACGGTACCACCACCGCCGAGATTGCGCAGGTCGCGACCATCTCCGC
GAACGGCGACACCCACGTCGGCAACCTCATTGCCAGGCC

>Hsp60 (FG691)_*Coprinopsis cinerea*

GGTGCTCGGTACGTGTTCCCGCATCTCCCGCCATAATTGACGCCCCAGTCTCGTCCAG
GATGTGCGGTCAAAAACGAACGAAGTTCGCTGGTGACGGTACCACCACGGCCACCGTC
CTCGCCCGTGCCATCTACTCGGAGGGTGTAAGAACGTTGCTGCTGGCTGCAACCCCA
TGGACCTCCGCCGAGGTTCCCAAGCCGCGTCGACCGCGTCGTCAACTTCCTTTCCCA
ACACGCCAAGACTGTCACCACCACCGCTGAAATCGCCCAAGTCGCCACCATTTCTGCC
AACGGCGATACCCACGTTGGTAACCTCATCGCCAGGCC

>Hsp60 (FG691)_*Pluteus cervinus*

GGTACCCGGTAAGCTTTTGTCAATTTTTTTTTTGTCCGCTAACGCCCTTAGACTCATTCAAG
ACGTTGCTTCGAAGACAAACGAAATTGCTGGTGACGGAACAACCACTGCGACCGTCT
TGGCTCGTGCCATCTACTCCGAAGGTGTCAAGAATGTTCGCAGCTGGTTGCAACCCCAT
GGACCTCCGTCGCGGTTCCCAAGCGGCTGTGCACCGTGTCTGGAATTCCTTACGGCC
AACGCAAAAACGTGACCACCACTGCTGAGATCGCACAAGTCGCTACCATCTCTGCGA
ACGGTGACACTCACGTCCGGTAACCTCATTGCTCAGGCT

>Hsp60 (FG691)_*Mycena crocata*

GGCGCTCGGTATGTTTTTTTCTTTCTTTTTCTTTCTTACTTGAATACAGTCTCGTCCAGGA
TGTGGCTCAAAGACAAACGAGATTGCTGGAGATGGGACAACCACGGCCACGGTCCT
TGCGCGCGCCATCTACTCTGAGGGTGTCAAAAACGTTCGCTGCAGGCTGCAACCCCATG
GACTTGCGCCGCGGTTTCGAGGCTGCTGTTCGAGCGCGTCTGTCAGTTCCCTCTCCTCGC
ATACGAAGACGATCACCACCACCGCAGAGATTGCCAGGTCGCCACCATCTCCGCCAA
CGGCGACTCGCACGTCCGGTAACCTCATTGCCAGGCT

>Hsp60 (FG691)_*Hygrophoropsis aurantiaca*

GGCGCCCGGTAGGCCCTCTCACCCCTCTGCATTCCTGAGCCTCTTAGTCTCGTCCAA
GATGTTGCGCAAAAACTAACGAGATAGCTGGTGATGGTACTACCACCGCAACTGTTT
TCGCACGTGCTATCTACTCCGAAGGTGTCAAGAACGTTCGCAGCAGGATGCAATCCTAT
GGATCTCCGTCGCGGTTTACAAGCCGCTGTTGACCGTGTAGTTGAATTCCTTGCAGCC
AACACGAAAACCATCACCCTACGGCAGAGATAGCACAGGTCGCCACCATTTCTGCAA
ATGGTGACACCCATGTCCGAAACCTCATTGCTCAGGCT

>Hsp60 (FG691)_*Agaricus bisporus* var. *bisporus*

GGGGCTCGGTAGGTTTTCCCATTTTTTTTAAAAATTCATAATATTTTAGTCTCGTGCAGG
ATGTCGCTTCCAAGACCAACGAGATTGCAGGTGACGGCACGACAACGGCCACCGTTTT
GGCTCGTGCTATTTATTCAGAGGGTGTGAAGAACGTTCGCAGCTGGCTGCAATCCTATGG
ACCTCCGTCGAGGTTCCCAAGCGGCTGTTCGACCGTGTCTGAGAGTTCCCTTCTCAGAA
CGCAAAAACAATCACCCTACTTCTGAAATTGCTCAGGTTGCCACCATCTCAGCGAAC
GGTGACACTCACGTGGGCAACCTCATCGCCAGGCT

>Hsp60 (FG691)_*Stereum hirsutum*

GGTGCAAGGTATGCCGTCGTTTCGTTGGGATTTACTATTATGAATCCTAGGTTGGTCCAA
GACGTGCTCAAAGACGAACGAAATTGCCGGTGACGGTACTACGACCGCCACCGTGT
CTTGCTCGTGCCATTTACGCCGAGGGTGTGAAGAACGTTCGCAGCCGGTTGCAATCCCA
TGGATCTTCGTCGTGGCTCTCAGGCTGCCGTCGAGCGGGTTGTCAGCTTCCCTTTCTGCC
AACACCAAGACCATCACTACCACCGCTGAGATTGCTCAGGTCGCAACCATCTCAGCAA
ACGGCGATACTCACGTCCGGTAACCTCATTGCGCAGGCG

>Hsp60 (FG691)_*Agrocybe pediades*

GGTGCTCGGTATGTATACCTACTTGTGCCAGTCATACTAATGATCTCAGTCTCATCCAAG
ACGTTGCTGCTAAGACCAACGAAATCGCCGGAGACGGCACGACCACCGCCACCGTTC

TCGCCCCGCGCCATTTACTCGGAGGGTGTCAAGAACGTCGCTGCTGGATGCAATCCAAT
GGATCTCCGCCGTGGATCCCAAGCTGCCGTCGACCGTGTGCGTTGAGTTCTTGTCCGCC
AACACCAAACCTATCACCACCACCGCGGAGATTGCCCAAGTCGCTACCATCTCAGCCA
ACGGCGACACCCACGTCGGTAACTTGATTGCTCAGGCT

>Hsp60 (FG691)_*Gymnopus androsaceus*

GGTGCACGGTAAGTATTTTGACACGTAAGGTCTGAGACTAACTTTTCAGTCTTGTCCAA
GACGTGGCTCAAAAGACCAATGAAATAGCTGGTGACGGCACAACACTACTGCTACTGTCC
TTGCACGCGCCATTTATCCGAAGGTGTCAAAAATGTTGCAGCAGGATGCAATCCCATG
GACCTTCGTGCGGTTCTCAGGCTGCTGTGCAACGTGTGCGTTGAATTCCTAGCTTCGCA
GACCAAACGATCACAACCACTGCCGAGATTGCCAGGTCGCAACCATTTTCAGCAAA
CGGTGATACTCACGTCGGTAACTCATTGCCAGGCC

>Hsp60 (FG691)_*Marasmius fiardii*

GGTGCACGGTAAGTAAATATGAACTTGCGGTAGTTCTAACTTTTCTTAGTCTCGTGCAA
GACGTGCGCAAAAAACGAACGAGATTGCAGGTGACGGTACCACCACTGCAACTGTT
CTTGACGCGCCATCTACTCCGAGGGTGTCAAGAACGTTGCAGCCGGCTGCAATCCCA
TGGATCTTCGTGCGGTTGCACAAGCGGCCGTTGAACGTGTGCGTCGAGTTCCTTGCGAC
ACAAACCAAGACTATCACCACCACCGCGGAAATTGCCAGGTCGCCACCATTTCTGCT
AACGGCGATAACCCACGTCGGAAACCTGATCGCTCAGGCT

>Hsp60 (FG691)_*Amanita muscaria*

GGCGCACGGTAATTTTCTCTCATTTCCCTCACGACCTAATAAATAATAGCCTCATCCAAG
ATGTCGCACAAAAGACAAACGAGATTGCTGGTGACGGTACAACCACCGCAACCGTTC
TCGCACGTGCCATCTACTCCGAGGGTGTCAAGAACGTCGCTGCCGGGTGCAACCCCAT
GGATCTCCGACGTGGTTTACAAGCTGCTGTGCGAGCGTGTGCGTTGACTACCTCGCCAAG
CACGCCAAGACAGTGACGACGACTGCTGAAATTGCACAGGTGCCACCATTTTCAGCC
AACGGCGATACTCACGTTGGTAACTCATTGCCCAAGCA

>Hsp60 (FG691)_*Lactarius quietus*

GGCGCACGGTATGTTTTTCTATTTCTGCTTTAATGCACATTGACTTGTAGGCTAGTGCAGG
ACGTTGCACAAAAACAAACGAGATTGCCGGCGATGGCACGACCACGGCAACAGTTC
TCGCGCGCGCTATCTATGCTGAGGGTGTAAAGAACGTCGCTGCTGGCTGCAACCCGAT
GGACCTTCGTGCTGGTTCCCAGGCTGCAGTCGAGCGTGTGTCGAGTTCCTTGCGAAG
AACACTAAGACAATAACGACTACCGCCGAGATTGCTCAGGTGGCAACCATTTCCGCCA
ACGGTGACACTCACGTCGGTAACTCATTGCGCAAGCC

>Hsp60 (FG691)_*Fomitopsis pinicola*

GGTGCTCGGTGAGTGTTTTTAACGAGTCTGTAGTTGCTTACGCGTTCAGCCTCGTCCAG
GACGTTGCGTCCAAGACAAACGAGACTGCCGGTGACGGTACGACGACAGCGACCGTA
CTCGCGGTGCCATCTACTCCGAGGGTGTCAAGAACGTTGCTGCGGGCTGCAACCCCA
TGGACCTCCGCCGAGGCTCGCAGGCAGCCGTCGAGCGCGTCGTCGAGTTCCTCTCCGC
ACACGCAAAGACGATCACGACCACGGCAGAGATTGCGCAAGTAGCCACTATCTCCGCT
AACGGCGACGCCACGTCGGCAACCTCATCGCGCAGGCT

>Hsp60 (FG691)_*Tricholoma matsutake*

GGTGCTCGTCTTGTCCAAGACGTCGCACAGAAGACTAACGAGATGGCTGGAGACGGC
ACAACCACCGCCACAGTCCTGGCAAGGGCCATATATTCCGAAGGTGTAAAGAACGTAG
CAGCCGGGTGTAATCCCATGGACCTTCGTCGCGGCTCTCAAGCAGCTGTTGACCGCGT
TGTTGAGTACCTTTCTGCACATACTAAAACCATCACCACCACCGCTGAGATCGCACAAG
TCGCTACCATCTCGGCCAATGGTGACCTCCACGTGCGCAACCTCATTGCCCAAGCC

>Hsp60 (FG691)_*Fomitiporia mediterranea*

GGTGC GCGGTAAGCCATGGCTCTTGGTACATGCGCTCATTGTAATGTAGTCTCGTACAA
GACGTGCGCGAGAAGACGAACGAGACTGCTGGTGACGGAACGACAACCGCAACCGT
CCTTGCTCGTGCGATCTATGCAGAAGGCGTGAAGAACGTCGCTGCTGGCTGCAATCCG
ATGGATCTTCGTGCGAGGTGCTCAGGCGGCTGTTGACCGCGTAGTTGACTTCTGTCAA
AGAACACGAAAGACATTACGACGACAGAGGAAATTGCACAAGTTGCAACTATTTCTGC
GAATGGTGATACGCATATTGGCAATCTCATCGCGACAGCC

>Hsp60 (FG691)_*Auricularia delicata*

GGTGACGGTACGCGGTTTCTTCCCGGCACCCTGCCATGATTGGCTCAGGTTGGTGCA
GGACGTGCGGTCCAAGACAAACGAAATCGCTGGCGACGGCACGACTACCGCGACGGT
GCTCGCGCGGCCATCTACGCGGAGGGCGTCAAGAACGTCGCCGCGGGCTGCAACCC
GATGGACCTGCGGCGCGGCCAAAAGGCCGTCGACAAGGTCATCGCGTTCCTCGA
ACAGAACAAGCGCGAAATCACAACGTCCGAGGAGATCGCCCAGGTCGCGACCATCTC
CGCGAACGGCGACACGCACGTGCGCCAGCTCATCGCGACGGCG

>Hsp60 (FG691)_*Calocera cornea*

GGTGCTCGGTATGTCTGTCTTACTCGGCTGTGCGGCTGACGTGTCGTAGTCTCGTTACC
GATGTGCGGAACAAGACCAACGAGATCGCTGGTGACGGCACAACCACCGCAACTGTC
CTCGCCCGCGCTATCTACGCCGAGGGTGTCAAGAACGTCGCAGCCGGCTGCAACCCCA
TGGACCTCCGCAAAGGTAGTCAGAAGGCGGTGCGAGAAGGTGATCGAGTACCTCGAGA
AGCACAAGCGGGTGATCACAACCTCGGAGGAGATCGCCCAGGTCGCCACCATCTCTG
CGAACGGCGATGTCCACGTGCGGCCAGCTTATCGCCACCGCG

>Hsp60 (FG691)_*Dacryopinax primogenitus*

GGAGCTCGGTATGGACCATTTTTATCGTGTTGTTAATTGACTCTTGCAGTCTTGTACCG
ATGTTGCTAACAAAGACCAACGAAGTGGCCGGTGACGGGACAACAACCGCGACCGTCC
TTGCCCGCGCTATCTACTCCGAGGGCGTCAAGAATGTCGCTGCTGGTTGCAACCCTATG
GACCTCCGTCGAGGCAGCCAAAAGGCCGTCGAGAAGGTGATCGAGTACCTCGAGAAG
AACAAAGCGAGTTACTACTTCCGAGGAGATCGCCCAGGTCGCGACTATCTCCGCCA
ATGGCGATACCCATGTTGGCCAGCTAATTGCTACCGCT

>Hsp60 (FG691)_*Asperigillus tritici*

GGTGCCCGTCTCTGTCAGGATGTGGCCTCCAAGACCAACGAGATCGCCGGTGACGGTA
CCACCACCGCCACCGTCTTGCCCGTGCCATCTTCTCCGAGACCGTCAAGAACGTTGC

TGCCGGCTGCAACCCCATGGACCTGCGCCGTGGTATCCAGGCCGCCGTCGATGCTGTC
GTCGACTACCTCCAGCAGAACAAGCGTGACATCACCACCGGTGAGGAGATCGCCCAG
GTCGCGACCATCTCCGCCAACGGTGACACCCACATCGGTAAGCTCATCTCCACCGCT

>Hsp60 (FG691)_*Neurospora crassa*

GGTGCCCGCCTCATCCAGGAGGTGCGCCGGCAAGACCAACGAGGTGCGCCGGTGACGGT
ACCACCTCCGCCACCGTCTCGCCCGGCCATCTTCTCCGAGACCGTCAAGAACGTCG
CTGCCGGCTGCAACCCCATGGATCTCCGCCGCGGTATCCAGGCTGCCGTCGAGGCCGT
CGTCGAGTACCTCCAGGCCAACAAAGCGCGATGTCACCACCTCCGAGGAGGTTGCCA
GGTCCACCATCTCCGCCAACGGCGACAAGCACATTGGTGAGCTGATTGCCTCGGCC

>Hsp60 (FG691)_*Gautieria morchelliformis*

GGTGCCCGGTTAGTGCAGGATGTCGCGCAGAAGACCAATGAGACTGCTGGAGATGGA
ACTACGACCGCGACTGTTCTCGCGCGTGCTATCTATGCCGAGGGAGTGAAGAATGTCG
CTGCAGGGTGAATCCTATGGACCTCCGTCGTGGCTGTCAGGCTGCTGTGGACCGCGT
TATAGCCTTCCCTGAAAAGTAAACAAACGCAGTATTACTACTTCGGCCGAGATAGCCCAAG
TCGCCACAATCTCTGCTAATGGCGACGCGCATGTAGGCGAGCTTATTGCGCAGGCT

>Hsp60 (FG691)_*Ramaria acris*

GGTGACGTTTTAGTTCAAGATGTAGCTCAGAAAACGAACGAAGTTGCCGGAGACGGC
ACGACTACAGCAACTGTGCTTGC GCGCGCTATTTACGCTGAAGGTGTAAAGAACGTCG
CTGCAGGTTGTAATCCCATGGATCTTCGTCGGGGTTGTCAGGCTGCTGTAGAACGCGTT
ATTGCCTTCCCTCGAGAGCAACAAGCGTAGCATCACTACCTCGGCCGAAATTGCACAAG
TAGCTACGATTTCCGCCAATGGTGACGCCCATATCGGTGAACCTATTGCTCAAGCC

>Hsp60 (FG691)_*Rhizopus microsporus*

GGTGCTAGGTAAGTGATGCTCATTGTCAATCCATGGTACTTAGAAATAGACTTGTTCAA
GACGTTGCAAGCAAGACAAACGAAATTGCCGGTGATGGTACTACCACTGCTACCGTCT
TGACTCGTGCCATCTTTACTGAAGGTGTCAAGAATGTTGCTGCTGGCTGCAATCCTATG
GATCTCCGTCGCGGTGCTCAAATGGCTGTTGATGCCGTTGTTGACTTCTTGAAGGCTCA
CACCAAGTTATCACAACCTCCTCAAGAAGTTGCTCAGGTTGCTACCATCTCTGCTAACG
GTGATAAGCATGTCGGTAACATGATTGCTCAAGCT

>Hsp60 (FG691)_*Agaricostilbum hyphaenes*

GGCGCTCGGTGAGGCTCTGTCTTACGACGGTGAGGGATGTGTTCCGGCAGTCTTGTGCA
GGACGTTGCCAACAAAACCAACGAAGTTGCTGGTGACGGTACCACCACAGCTACTGT
TTTGCCAGAGCCATCTACGCAGAGGGTGTCAAGAACGTCGCAGCTGGCTGCAACCCT
ATGGACTTGCGAAGAGGGTACAGCAAGCTGTTGAGTGGGTGCTTGCCTTCCCTCGAG
AGCAATAAGAGAGACATCACCACATCAGCAGAGATTGCTCAGGTTGCTACCATCTCAG
CAAATGGTGACTCACACGTTGGAGCGCTCATTGCTCAGGCC

>Ils1 (MS444)_*Agrocybe pediades*

CTCAAAAATATCCCGATCCTAACCTCATCATTGACAAATATGGCGCCGATGCAACAAG
GTGGGTTCTCTTTCCCTATCATCATTGACTATCTGTGTACAGAATGTTCCCTGTCAACTC

GCCGATCGTGAGGGGAGACAATCTCCGTTTCCGTGAGGAGGGTGTCCGAGAAGTCATC
TCGCGCGTATTGCTGCCATGGTTGAACTCGTTCGGCTTCTTCATGGGTTCATGTCGCCTTG
CTGAAGAAGACCACCGGCTTCGACTTCAAGTATAATGCACATGCGCCATTGCCAAAC

>Ils1 (MS444)_*Pluteus cervinus*

TTGAGAAATTATCCAGATCCCAATATCATCATTGATAAGTACGGTGCTGATGCCACAAG
GTAAGATCGATAGCTTCGTTCGGGTATTTGACCTGTGACATAGGATGTTCTTGGTAAATTC
CCCCATTGTGCGTGGAGACAACCTACGATTCCGAGAAGAGGGTGTGCGCGAGGTTGTA
TCGCGGGTCTCTGCCCCTGGCTCAACTCCTTCCGGTCTTCTTGGGACATGCGGCTAT
CCTGAAGAAGGGCACAGGACACGACTTCAGATATAACGCTCATGCACCACTTCCGAAT

>Ils1 (MS444)_*Agaricus bisporus* var. *bisporus*

CTGAAAACTATCCTGATCCTAATATAATTATTGAGAAGTATGGCGCCGATGCGACTAGG
TATGCCGCATGCTTCTGCCTTCGATATTTGGATACAGGATGTTCTTGTCAATTCGCCCA
TTGTCCGTGGCGACAACCTGCGATTCCGTGAAGAGGGCGTGCGCGAAGTCATATCCCG
AGTTCTCCTTCCTTGGCTCAACTCTTTCGGCTTTTCTTGGGGCACGTTGCTCTGTTGA
AAAAAACTAGCGGTGTTGATTTCAAATATAACCCCCATGCGCCCCATCCGACG

>Ils1 (MS444)_*Laccaria bicolor*

CTGCGAAATTATCCTGATCCAAACATCATCATCGACAAGTATGGTGCTGACGCGACAAG
GTGGGAGAAGTAGTGAATTTTTCGGAAGCTCATTATGCCCAGAATGTTCTTCGTC AATT
CGCCTATTGTACGTGGTGACAATCTGCGGTTCCGTGAGGATGGTGTCCGCGAAGTCATC
GCCCCGTTCTTTTACCCTGGCTCAACTCCTTCCGATTTTCTTGGGGCACGTTGCGCT
GTTCAAGAAGGTAAATGGCATCGATTTACCTACAACGCACATGCCCCACTGCCAAAC

> Ils1 (MS444)_*Tricholoma matsutake*

TTAAGGAATTATCCCGATCCAAATTTAATCATTGATCAATATGGTGCCGATGCGACAAGG
TAAAGTGTGTAATCAGTATGATGTCTCTCACGCGGACGCAGAATGTTCTTCGTC AACTC
ACCCATTGTTTCGCGGGGATAATCTTCGTTTCCGTGAAGAGGGTGTTCGCGAGGTGATCT
CACGGGTTCTTCTGCCATGGCTTAACTCTTTCGGTCTTCTTGGGCCATGTCTCTTTGT
TTAAGAAAGTCAGTGGCATGGATTTCAAGTACGATCTACATGCGCCAGTGCCACG

>Ils1 (MS444)_*Fomitopsis pinicola*

CTGAAGAACTACCCCGACCCCAATCTCATCATCAACCAGTACGGCGCTGATGCCACGC
GGTATGCCTTCCATCGCCCCCTGCCTGGCTCACTCTCCCTCAGGATGTTCTTCGTTAACT
CGCCCCGTTGTCCGTGGTGACAACCTGCGCTTCCGTGAAGAGGGCGTTCGCGAGGTTGT
CTCCCGTGTGCTCCTCCCCTGGCTCAACTCGCAGCGCTTCTTCTTGGTCAGGCCGCC
TGCTCAAGAAGAACACGGGCCGCGACTTCCAATACGACGCACACGCGCCCGTATCTTC
C

>Ils1 (MS444)_*Stereum hirsutum*

CTGCGTAAATTACCCGGACCCGAACCTTGATCATCAACCAGTATGGTGCTGATGCTACCAG
GTACGCCACATTCTTCTTTTCTTTAGCGACTAACCGTAAACAGAATGTTCTTCGTC AACT

CCCCATCGTCCGAGGAGACAACCTCCGCTTCCGCGAAGAAGGCGTCCGCGAAGTCG
TCTCCC GCGTTCTCCTACCCTGGCTCAACTCCTTCCGGTTCTTCTCGGCCAAGTCGCA
CTGCTCAAAAATCCACAGGCCACTCCTTCAAATACGACGCCACGCGCCCGTATCGA
AC

>Ils1 (MS444)_*Lactarius quietus*

CTAAAGAACTACCCTGACCCCAACTTGATTCTCGATCGGTACGGGGCTGATGCTACAA
GGTCTGTTTTGTGCTACCGTTGAGAGATAATATCCATCGGCAGGATGTTCTCGTCAAC
TCACCCATTGTCGGTGGTGACAATCTCCGCTTCCGGGAAGAGGGCGTGCGAGAGGTCA
TCTCGCGCGTCTTCTTCTTGGCTCAACTCTTCCGTTTCTTTCATTGGCCAGGTTCGCG
CTGTTCAAGAAGGCTACAGGGCACGAGTTCCGGTATGACGCCCATGCACCTTTGTGCGG
GC

>Ils1 (MS444)_*Trametes versicolor*

CTGAAGAACTACCCCGACCCCAACCTCATCATCGACCAGTACGGCGCCGATGCGACAA
GGTAGGCAGCGTGACAGATATCGTGGTCACTAACGTAAACAGGATGTTCTCGTCAA
CTCGCCTATCGTCCGCGGGGACAACCTGCGTTTCCGGGAAGCTGGCGTCCGCGAGGTC
GTCTCACGTGTACTCCTCCCGTGGCTCAACTCCTTCCGCTTCTTCTGGGGCAGGCTGC
GCTCTTGCAGAAGACAACCGGGCGCGCATTTGTATACCACGCGCATGCGCCCGTGTGC
CAG

>Ils1 (MS444)_*Hygrophoropsis aurantiaca*

TTGCGGAACTTTCTGATCCGAACTTGATATTCGATCTCTACGGCGCTGACGCAACAAG
GTGCGGACTCACACATACTCCTAAACTGACTTCCTCGCACAGAACGTTCTCGTCAAC
TCCCCCATCGTGC GCGGGGAGAACCTCCGATTCCGCGAGGAAGGCGTCCGCGAAGTC
GTATCGCGCGCGCTTCTCCCGTGGCTCAACTCCTTCCGCTTCTTCTCGGTCAAGTCTC
CCTCTTGCGAAAACGACCGGCGTTCGCGTTTGTCTACAACCCGCACGCCCCGCTATCA
AAC

>Ils1 (MS444)_*Gymnopus androsaceus*

CTTAAAAACTACCCTGATCCTACTCTTATCATCGACAAGTATGGAGCCGACGCTACCAG
GTAAATTATTTTCATGATATAGTAGATTGACGAGTCTGTGTAGGATGTATCTCGTCAACTC
CCCGATTGTTTCGCGGAGACAACCTTGAGATTCCGAGAAGAGGGTGTCAAGGACGTTATC
TCCCGAGTCTCTTCCATGGCTCAACTCTTCCGCTTCTTCTCGGTACGTCGCCAT
CTTGAAGAAGGCGACAGGTATCGACTTCAAGTATGACCCTCATGCTCCTCTTCCCAAC

>Ils1 (MS444)_*Coprinopsis cinerea*

TTGAAGAACTACCCTGATCCCAATCTGATCATCGACAAATATGGTGCTGATGCTACCCG
GTAAGGCATTCCCGCCGAGACTGATGGTCTTATTCCCATAGAATGTTCTTGGTCAACT
CGCCAATCGTTCGCGGGGACAACCTTGC GCTTCCGCGAGGAAGGTGTCCGGGATGTCAT
TTCCCGTGTGCTTCTCCCGTGGCTCAACTCCTTCAGGTTCTTCTCGGCCACGTCGCG
TTTACAAGAAAGCATTCAAGGAAGATTCGTCTACAATGCCCATGCACCCCTCCCAAC

>Ils1 (MS444)_*Gymnopilus chrysopellus*

CTGAAGAATTATCCAGATCCCAATCTCATCATTAATCAATATGGCGCTGATGCAACAAGG
TGAGGAGTGGTCGAACCTTGAATCTCATGGATCTTCTTAGAATGTTCCCTCGTGAACCTC
GCCTATCGTACGTGGCGACAACCTTCGCTTCCGTGAAGAGGGTGTCCGAGAGGTCATC
TCTCGTGTCTGCTTCCGTGGTTGAATTCCTTCAGATTCTTTTTGGGCCACGCTGCCCT
GCTGAAGAAGACTACAGGGACCGACTTCAAGTATAATGCTCATGCTCCGTTACCCAGC

>Ils1 (MS444)_*Serpula lacrymans* var. *lacrymans*

AAGAAGAATTACCCAGATCCCAATCTTATTCTTGACCAGTACGGCGCCGATGCCACAAG
GTTTGTCTACCTCTGCCTGATTGGTTGATTTTCATCCCAGAATGTTCCCTCGTTAACTCG
CCCATCGTTTCGTGGGGACAACCTTCGTTTCCGCGAAGAAGGTGTGCGAGAAGTGGTG
ACCCGCGTGCTCTCCCGTGGCTCAATTCCTTCCGTTTCTTCCCTCGGCCAAGTCGCGCT
TTTACAGAAAACGACGGGTGTTTCTTTACGTACAACCCACATGCGCCGCTCTCGAAT

>Ils1 (MS444)_*Marasmius fiardii*

CTCAGAAACTTCCCCGATCCTAACCTTATCATCAACCAGTACGGTGCTGACGCAACCAG
AATGTATCTCGTCAATTCCTCAATCGTTTCGTGGAGACAACCTTCGTTTCCGTGAAGAGG
GTGTCAAAGATGTCATTTCCCGAGTCTTCTGCCATGGCTGAATTCCTTCCGATTCTTCC
TTGCCCAAGTCGCGCTTCTTAAGAAGACCACTGGGCATGAATTCAAGTACAATCCGCA
CGCGGGTCTTCCCTCAG

>Ils1 (MS444)_*Phanerochaete carnosae*

CTGAAGAACTACCCGGACCCAAATCTCATCATAAATGAGTACGGTGCGGACGCGACGC
GCATGTTCCCTTGTCATTTCCCCATCGTGC GCGGCGACAACCTCCGTTTCCGCGAGGA
AGGCGTCCGGGAGGTTATCTCGCGCTGCTCCTACCATGGCTGAACGCATTCCGATTCT
TCCTTGGGCAAGTGCAGCTGCACCGCAAGACGGGCTCGTTTGACTTCCAGTACAACGC
GCACGCGCCGGTGTCGAAT

>Ils1 (MS444)_*Amanita muscaria*

CTCAAAAACCTACCCTGATCCACCCCTGATCATCGACAAGTATGGCGCAGATGCGACAA
GGTGAGGTCTTATGACCGTTTCTGGTACTGAAGGTTTCGAAGAATGTTCCCTTGTCATTC
ACCAATTGTCCGCGGTGACAATCTAAGGTTCCGCGAAGAAGGCGTCCGAGAAGTCATA
TCCCGCGTCTTACTCCCATGGCTCAACTCGTTCCGCTTTTTCTTGGGGCACGCGGCGTT
GTTGAAGAAATCCACCGGACACGAATTTGTGTATAATAAGGATGCGCCTCTACCAAGC

>Ils1 (MS444)_*Mycena crocata*

GCCCGGAATTACCCTGATCCGACTCTCGTCATTGATAAAATGGGTGCAGATGCTACGAG
GTTGGTGTCTTCCCTGTCGGTTAGAGTTAATAGTGCCTCTAGAATGTTTTTGGTGAAC
CGCCATTGTCCGCGGTGATAATCTGCGTTTCCGCGAGGAAGGTGTCCGCGAGGTCAT
CTCCAGAGTACTTTTGCCTTGGCTGAACTCTTCCGGTTCTTCCCTGGGACATGCTGCTC
TGTTCAAGAAGGTACGGGCACCGACTTTGTATACAATGCCACGCCACTGTCCCAA
T

>Ils1 (MS444)_*Calocera cornea*

AAGAAGAACTACCCGATCCTACCATCCTCGTGGATAAGCTGGGCGCCGATGCGCTGA
GGTATGTGGAGTTCTGGCTGGGAGGGTGTCAATTTGTACAGAAATGTTCCCTCGTCAACT

CTCCCATCACCCGTGGCGAGAACCTGCGCTTCCGTGAAGACGGTGTGCGCGAGGTCGT
CTCCCGCGTCCTCCTTCCGTGGCTCAACTCCTTCCGCTTCTTCTCGCCCAAGTGGCCC
TGCTCAAGAAGACGACCAACGTGACTTCATGTGGGACCCACATGCAAAGCGCTCGC
CT

>Ils1 (MS444)_*Dacryopinax primogenitus*

AAGAAGAACTATCCGGACCCGAATCTGGTTGTAAACAAGTACGGTGTGCGGATGCGCTAC
GGTATGGGGTTGTCCCAATCTTCCAAACTCATATGGCGTTTAGAATGTTCTCGTCAATT
CCCCATTACCCGTGGTGAGAACTTGCAGTTCCGTGAGGATGGTGTCCGCGAGGTTATT
TCACGGGTGCTTCTACCCTGGGTCAACTCTTCCGCTTCTTCTGCCCCAAGTCGCGCT
GCTCAAGAAGACGACGAATGTGGATTTCATGTGGGAGCCACACGCCAAACGCTCCGC
C

>Ils1 (MS444)_*Auricularia delicata*

CTCAAAAACCTACCCCGATCCGAACCTGGTCATTGAGCGCTACGGCGCGGATGCCACGC
GGCATGTCACTTGCCCTCGACGAGCCCACTAAACTGTGTCTAGGATGTTCTCGTCAATT
CGCCCATCGTGCAGCGGCGACAACCTGCGCTTCCGCGAGGAGGGCGTGCAGGAGGTCG
TCGCGCGCGTGCTGCTCCCGTGGCTCAACTCGTTCCGCTTCTGTTGGGCCACGCAGC
GCTGCTCGAGAAGGCACACGGCGTACGCTTCCAGTACCAGGCGCACCTCGCGCAGTC
CGGC

>Ils1 (MS444)_*Ramaria acris*

CTGAAAAATTATCCAGATCCCAATTTAATCATCAACCAATATGGCGCGGATGCTACACG
GTCCGTTGCAGTCTCCCGTTTTATCCTAATATGGGTGGTCAGCATGTTCTCGTTAATTC
CCCCATTGTTAGGGGTGACAATCTTCGATTTAGAGAAGAAGGCGTTCGCGAAGTGATC
TCTCGGGTCTGTTACCCTGGCTTAATTCCTTCCGTTCTTCTTGGACAAGTCAACCT
GCTGCGTAAAGAGGAAGGGCATTCTGTTGTGTACGATGCGCATGCACCACGATCAAAC

>Ils1 (MS444)_*Fomitiporia mediterranea*

TTGAAGAACTATCCTGACCCTACGGATATCATTGATCGTTATGGTGTGCGGACGCGACGAG
GTGCGTGCAAAAACCCGCCAAGAAGAAAACCTTATGGTTTTAGGATGTACCTCGTAAAC
TCTCCGGTCACCCGCGCGGAGAACCTACGCTTCCGCGAAGCAGGCGTCCGCGAAGTC
ATCTCGCGTGTTCCTTCCCTGGCTAAATGCCTTCCGATTCTTCTCGGGCAGGTCGC
ACTACACAAGAAAACAAGTGGATTGGAATTCAAGTATGATCCGCATGCGCCGGTGTCT
GCG

>Ils1 (MS444)_*Boletus edulis*

CTTAGAAATTACCCCGATCCGAACCTTGATGTTTGAAGAAGTATGGTGTGATGCGGTCAG
GTTCTGTCTCATGATCGAATGAACCAAAGGCTACTTTGCAGGATGTTCTTGGTGAAC
CGCCGATCGTACGTGGTGAGAACCTTCGGTTCGCGAGGAGGGTGTGCACGACGTCGT
CTCTCGCGTCATGCTCCCCTGGGTAAACGCCTTCCGTTTCTTCTCGGCCAAGCGAGTC
TTTTCCGAAAGACGACTGGGATCGAGTTCAAGTACAACCCTCACGCACCACTCTCGAG
C

>Ils1 (MS444)_*Schizophyllum commune*

TTGCGCAACTACCCGGACCCTAACACATTCTCGACACATACGGAGCGGATGCCACCC
GGTAAACGCACAATCCGCTTCGTCTCCTAACACACCCGAGTCAGAATGTACCTCGTCAA
CTCCCCCGTCGTCCGCGGCGACAACCTGCGCTTCCGCGAAGACGGCGTGCAGAGGT
CGTCTCCAAGGTCCTCCTTCCCTGGCTCAACTCCTTCCGCTTCTTCCCTCGGGCACTCCG
CCCTGCTCACAAAACCTACTGGCGCCGAGTTCAAGTACAACGCGCATGCGCCGCTGCC
GAAC

>Ils1 (MS444)_*Agaricostilbum hyphaenes*

CTCAAGAACTACCCTGACCCCAACCTAATCCTCGACCAGTATGGCGCAGACGCTCTCA
GACTCTTCCCTGATCAACTCACCAGTTGTCCGAGGTGATAACTTGCGCTTCAGAGAAGC
AGGTGTCCGGGAAGTCGTCAGCAGAGTCCTCTTACCCTGGCTCAACTCTTCCGCTTC
TTCCCTCGGCCAGGCTGCCCTGCTCAAGAAGGAGTCTGGCCAAGAGTTCTACTACGATG
GTACAGCGGCTCAGTCAAGC

>Ils1 (MS444)_*Neurospora crassa*

CTCAAGAACTACCCCGACCCTACTCTTGTTCATGAACAAGTATGGTTCGGATGCCCTCCG
TCTGTACCTTATCAACTCTCCTGTTGTGCGTGCCGAGCCGCTCCGCTTCAAGGAGGCTG
GTGTCAAGGAGGTCGTTGCCAAGGTTCTCCTTCCCTCTGTGGAACCTCGTACAAGTTCTTT
GAGGGCCAGGTTGCTCTCCTCAAGAAGGTGGAGAACGTCGACTATGTGTTTGACCCCA
AGATGGAGTCTTCCAAC

>Ils1 (MS444)_*Asperigillus triticus*

CTGAAGAACTACCCCGATCCCTCTCTCATCATGGACCGCTACGGCTCGGACGCTCTTCG
TCTGTACCTGATCAACTCGCCCGTCGTCCGCGCGGAGCCGCTGCGGTTCAAGGAAACC
GGTGTAAAGGAGATCGTTGCCAAGGTTCTCCTGCCCTGTGGAACAGTTACAAGTTCT
TCGAGGGCCAGGCGGCTCTCTTCAAGAAGACCAACGGCATTGACTACGTCTTCAACCC
GGAGGCTGAAGAGACCAAC

>Ils1 (MS444)_*Rhizopus microsporus*

CTCCGTAACTACCCTGATCCCAATCTTGTTCATTGACAAGTTCGGTTCGATGCTCTCAG
ACTGTACCTCATCAACTCCCCTGTTGTTTCGTGGTGAACATTAAAGTTCAGAGAAGATG
GTGTCAAAGATGTAGTCAGCAAGGTCTTCTTGCCCTGGTACAATGCCCTACAAGTTCTTC
CTTACTCAAACCTGCTGTCTTGAAGAAGGAATTGACTATGACTTCCAATATGATGCTCAT
ATCAAAAAGTCTGGC

>Ilv2 (FG595)_*Agaricus bisporus* var. *burnettii*

GCGCAAACTATCGATGGAGACATCCCGATCACTTGTCTCTTCCGGTGGTTTAGGTGT
ACGTTTCCCTCTCTCACTTGTGACGTTCTTACTCAGTTTACCTTTACAGACTATGGG
CTTTGGTCTGCCGGCAGCTATCGGTGCCAAGGTTGCTGCTCCTAATAAGACTGTTATCG
ACGTCGATGGCGACGTTTCGTTTAGTATGACTGCTATGGAACCTCGCTACCGCTTCTCAA
TACGGTATCGGTGTCAAAGTTCTCATCCT

>Ilv2 (FG595)_*Gymnopilus chrysopellus*

GCTCAATTTTCCGATGGAGACACCCTCGATCAATGGTAACTTCTGGCGGTCTAGGGGT
ACGTCCTTGCTCCAGATCTTCTTCATGTTCTTGCTGATTTTCTCGATTAGACCATGGG
CTTCGGTCTGCCATCTGCTATCGGAGCCAAGGTTGCTGCTCCTCAGAAGACTGTTGTCG
ACATCGATGGTGAATGCATCATTTAGCATGACTGCGATGGAACCTTGCTACTGCGTCAAA
TACAATATCGGTGTCAAAGTCATCGTCTT

>Ilv2 (FG595)_*Agrocybe pediades*

GCTCAGCACTTCAGGTGGAAGCACCCAGATCGATGGTTACATCGGGTGGTCTTGGTG
TATGTTTCTTTTCTATTCTATTTCTTTTTCGTTTTTCTCTTTTTCTCTGTAGACTATGGGC
TTCGGTCTACCTGCAGCTATTGGTGCCAAGGTCGCCGCACCTCAAAGATTGTCGTTG
ACATTGACGGTGACGCTCCTTCAGCATGACCGCTATGGAGCTTGCCACCGCCTCTCAA
TACAACATCGGTGTCAAAGTCTCTGTTTT

>Ilv2 (FG595)_*Serpula lacrymans* var. *lacrymans*

GCACAGCATTTTCAGATGGAAGTACCCCGATCGATGGTGACTTCTGGTGGTCTGGGTGT
ATGTTTTACTACTCATCGCATTACCTGATCAGTTGACTGATACGTTTTGTAGACGATGGG
CTTCGGGCTTCCATCAGCTATTGGTGCCAAAGTCGCTGCTCCACAGAAGACTGTGCTT
GACATTGACGGCGATGCTTCGTTTTCAGTATGACCGCGATGGAACCTTGCCACCGCTTCTCA
ATACAATATCGGTGTCAAAGTCTTGTGTT

>Ilv2 (FG595)_*Mycena crocata*

GCGCAGCACTACCGGTGGACGCACCCACAGTCGATGGTCACCTCGGGTGGACTAGGG
GTCAGTTTTATTTTCTGAATGAAAACGGGTCATGACTGACGCGCGTGTACACAGACGAT
GGGCTTCGGACTGCCTGCTGCGATTGGCGCCAAAGTCGCCGCGCCGCACAAGACGGT
TGTGGACATTGATGGCGATGCGTTCGTTTTCAGCATGACCGCGATGGAGCTCGCGACCGCC
GCACAGTACGGCATCGGCGTCAAAGATCTCTGTTCT

>Ilv2 (FG595)_*Schizophyllum commune*

GCGCAGCACTTCAGGTGGACGAACCCGCAGCAGATGGTCACTTCCGGCGGGCTGGGC
ACGATGGGCTTCGGCTTGCCCGCGTTCGATTGGCGCGAAGGTCGCGGCGCCGGAGAAG
ACGGTTATTGATATCGACGGCGACGCGTTCGTTTTCAGCATGACGGCGATGGAGCTCGCCA
CCGCGTCGCAGTTTGGCATCGGCGTCAAAGTCTCTGTTCT

>Ilv2 (FG595)_*Auricularia delicata*

GCGCAGTTCTTCCGCTGGAGACATCCGCACACGATGGTCACTTGGCGGTGCTGGGA
CCATGGGCTTTGGCCTGCCTTCGGCGATTGGCGCTAAGGTGGCCGCACCGGAGAAGAC
TGTGTGCGACATCGACGGCGATGCCTCGTTTTCAGCATGACCGCAATGGAGCTTGCAGCC
GCGTTCGAGTACAACATCGGCGTCAAAGGTGCTCGTGCT

>Ilv2 (FG595)_*Calocera cornea*

GCACAGTTCTTCCGTTGGCGGCATCCGCGAAGTATGATCACATCCGGGGGCTTGGCGT
AAGTGTCTGTTCTTCTTCTGGCCCCCGGCTGACCGTGCCGTGTTTTCCAGACCATGG
GCTTTGGCCTGCCCTCTGCCATTGGATGCAAGGTCGCCGCACCGGAGAAGATTGTCGT
CGACATCGACGGTGAATGCCTCATTTCAGCATGACGGCAATGGAGCTCGCCACCGCCGCA

CAATACAGCATTGGCGTGAAGGTGCTGGTGCT

>Ilv2 (FG595)_*Phanerochaete carnos*

GCGCAGCACTACCGGTGGAGGTATCCACGCACGATGGTCACTTCCGGTGGCTTGGGTG
TAAGTCTATTCGCGGCGCTTTTACCCATGAATGTGCTGATTCTATGTTTGCAGACCATGG
GCTTCGGCCTGCCAGCTGCTATCGGCGCTAAAGTCGGCGCGCCAGAGAAGACCGTCGT
TGATATCGATGGTGATGCTTCGTTACGATGACTGCGATGGAGCTTCAGACTGCATCGC
AGCACAAACATCGGCGTTAAGGTCATCGTCCT

>Ilv2 (FG595)_*Fomitopsis pinicola*

GCGCAACATTACCGGTGGCGGCAGCCGCGGAGCATAGTCACCTCCGGTGGTCTTGGGG
TCAGTGTCTGCGTTCCATTCCGACCTGCATGGTTGACTGATACCGTTATGCAGACGATG
GGCTTCGGTCTTCCCGCAGCCATCGGTGCCAAGGTTGGCGCGCCGAACAAGATCGTCG
TGGACATCGACGGTGATGCGTCGTTACGATGACTGCGATGGAGCTGCAGACCGCATC
ACAGTACAACATCGGTGTCAAGGTCATGGTGCT

>Ilv2 (FG595)_*Trametes versicolor*

GCGCAGCACTTCCGGTGGAGGCACCCGCGCTCGATGGTGACGTCCGGTGGTCTTGGT
GTAAGTTTGACACGTTGTATTCCTTGCTGTGCTAACGCTTTTCGCAGACGATGGGCTTC
GGTCTTCCGTCGGCCGTTGGCGCGAAGGTCGGCGCGCCTCACAAAGACCGTCGTTGACA
TCGACGGCGACGCGTCGTTACGATGACCGCCATGGAGCTGCAGACCGCATCGCAGTT
CAGCATCGGTGTCAAGGTCTTGGTACT

>Ilv2 (FG595)_*Lactarius quietus*

GCGCAACACTTCCGATGGCGGCATCCGCGCACGATGATCACTTCCGGGAGGGCTTGGTG
TACGTTTTGTCAATGATCCCCATAGCTCCCGCCTTGACCGTTCGATTAGACAATGGGCTT
TGGTCTCCCATCAGCGGTAGGCGCAAAGTTCGCTGCACCAAACAAGACTGTCGTCGA
CATCGATGGTGATGCTTCATTTAGCATGACTGCCATGGAACCTTGCAACTGCTTCCCAATT
TGGCATCGGCGTTAAGGTGCTGATTTT

>Ilv2 (FG595)_*Tricholoma matsutake*

GCGCAACACTTCAGATGGCGGTATCCCGGGTCGATGGTCACTTCTGGTGGACTGGGGG
TATGCATTCGCGTTCAAGTTTGTGTTGTTGCCAGTCTTTTTTCTCTCAAAAAAAGACAATG
GGCTTCGGACTGCCGGCGGCTATTGGCGCCAAGGTGGCTGCGCCGAGAAAGACCGTC
ATTGACATCGACGGCGATGCCTCATTAGCATGACCGCAATGGAGCTCGCCACTGCCTC
TCAATTCAACATTGGCGTCAAGGTCCTCATTCT

>Ilv2 (FG595)_*Dacryopinax primogenitus*

GCTCAGTTCTACCGCTGGCGGCATCCTCGGACCATGATCACCTCGGGCGGACTGGGTG
TAAGTAGTTTCTGGTTATGTAGCTTACTAGGCCTAACAGACTATGGGCTTCGGCTTACC
TGCTGCTATAGTTGCAAAGTTGCTGCTCCGGAGAAAGTCGTCGTCGACATTGACGGA
GATGCCTCTTTCAGCATGACTGCGATGGAATTGGCCACTGCTGCGCAATACAACATCGG
TGTTAAGGTCCTTGTGCT

>Ilv2 (FG595)_*Laccaria bicolor*

GCCCAATTTTCCGCTGGAAACACCCTAGAACAATGGTAACGTCTGGCGGTTTGGGGG
TATGTGGTTTAGTCTGACGCCTATCATCGCGTAATCGCCCTTCCCTTTTCTAGACGATGG
GCTTTGGTTTGCCAGCATCTATTGGTGCTAAAGTGGCCGCGCCACATAAGACCGTCATC
GATATTGACGGCGACGCCTCATTTAGCATGACTGCTATGGAGCTCGCAACTGCCTCACA
GTATGGCAATGGTGTCAAAGTTCTTATCCT

>Ilv2 (FG595)_*Boletus edulis*

GCTCAGTATTATAGATGGAGAACACCACGGTCAATGGTTACCTCCGGTGGGCTCGGGCT
ACGTATCATCTTCTGTCTCCACGCTTTCGATCGCTGAGTTTGGTCTAGACGATGGGCTTT
GGTCTGCCCTCGGCCATCGGTGCCAAAGTCGCTGCACCCAACAAAACACTGTGGTTGATA
TCGATGGCGATGCTTCGTTTCAGCATGACTGCAATGGAACCTGCCACTGCTTCCCAGTAT
GACATCGGCGTGAAAGTCCTCATAAT

>Ilv2 (FG595)_*Hygrophoropsis aurantiaca*

GCTCAGCACTTTAGATGGAAAACGCCCCGTTTCGATGGTGACATCCGGCGGCTTGGGGG
TAAGATTCCATTGGCTATGCCTGTGAAATATTGACTCGCCCTTTTCATCATAGACAATGG
GTTTCGGTCTTCCTTCAGCTATTGGAGCTAAAGTCGCTGCTCCTAACAAAACACTGTCATC
GATATCGACGGCGATGCCTCATTTAGCATGACGGCTATGGAGCTTGCACAGCGTCGCA
ATACGACATTGGCGTCAAAGTCCTCGTTCT

>Ilv2 (FG595)_*Gymnopus androsaceus*

GCTCAGTTCATCGCTGGACACATCCAAGACAGATGGTCACTTCTGGGGGTCTTGGTGT
AAGCTCTTTCCTTTCGGTATTTATACATTGAGCTCATTTATGCAGACCATGGGTTTCGGT
CTACCTGCCTCCATTGGTGCCAAGGTCGCATCACCTCAAAAATCGTTGTGACATTGA
TGGCGACGCTTCATTAGTATGACAGCTATGGAACCTGCAGACAGCATCACAATACAACA
TTGGTGTGAAGTTCTTGTGCT

>Ilv2 (FG595)_*Amanita muscaria*

GCGCAACATTTTAGGTGGAGATATCCCAGGTCAATGGTTACTAGTGGTGGTCTTGGGGT
AAGTGCAGCGTTTTGTCTTCTGTCTTTATTAACATTTGGGCGCACAGACAATGGGAT
TCGGCCTCCCAGCTGCAATAGGCGCCAAAGTTGCCGCACCCGAAAAAATTGTCGTAGA
CGTTGACGGTGACGCGTCATTTAGCATGACGGCTATGGAGCTCGCTACGGCTTCTCAGT
TTGGGATCGGAGTCAAAGTTTTGGTGT

>Ilv2 (FG595)_*Pluteus cervinus*

GCTCAGTTTTTTAGGTGGACGAGGCCGAGGTCGATGGTTACTAGTGGTGGATTGGGGG
TCAGTGTCTCTTCTCTCTCGTTTTTTGGGCTAATGCGTTGATGGTTCTTTAGACAATGG
GTTTCGGTTTACCAGCAGCTATTGGTGCTAAAGTAGCTGCACCGGAGAAGATTGTGGTT
GATATCGACGGTGATGCTTCGTTTAGCATGACTGCGATGGAACCTTGCTACTGCTTCGCA
GTATAACATCGGCGTTAAAGTTCTTGTGAT

>Ilv2 (FG595)_*Stereum hirsutum*

GCTCAGCACTATCGGTGGACGGAGCCCAGGTCAATGGTACGTCGGGTGGTTTGGGAG
TAAGTTCTTCTTCCTTCGTCTCGTCCCTCGTTTTTTTTCCGTTTTCTCTCTAGACCATGG

GCTTCGGTCTTCCGTCGGCTGTGGGCGCTAAGGTGGCAGCACCGAACAAAGATCGTGGT
TGACATTGATGGTGATGCCTCGTTCAGCATGACTGCGATGGAGCTCGCCACCGCGTCG
CAATACAACATCGGTGTCAAGGTCATGGTTCT

>Ilv2 (FG595)_*Fomitiporia mediterranea*

GCACAGTTCTTCCGGTGGAGGACACCAAGATCCTTGGTGTCTCCGGTGGTCTGGGCG
TAAGTTGAGAACACTTTGAAAAGATTTTCCATCTAAGTTGCTTCTGTTTTTCAGACCATG
GGTTTCGGTCTTCTGCGGGTATCGGTGCCAAAGTCGCAGCTCCCGAAAAAATCGTCG
TCGACATCGACGGCGACGCCTCCTTCAGCATGACAGCAATGGAGCTCCAAACCGCTTC
ACAATAACAACATCGGTATCAAAGTCATCATCCT

>Ilv2 (FG595)_*Marasmius fiardii*

GCACAGTTTTATAGGTGGACGGAACCCAGACACTTGGTTACCAGTGGCGGATTGGGGG
TGAGTCGCACTTGCTTTTTGTTCCTTTTCTGATTACCGATATCTTTTAGACTATGGGATA
CGGTCTCCCTGCCGCTATCGGTGCCAAAGTCGCTCTTCTCACAAGACGGTTGTTGACA
TTGACGGTGACGCTAGTCTGAGTATGACAGCTATGGAGATGCAAACCGCGTCGCAGTT
TGGAATTGGAGTCAAATCTCGTTTT

>Ilv2 (FG595)_*Ramaria acris*

GCACAGTTTTATAGGTGGACTCATCCACGGACCATGATCTCCTCTGGTGGACTTGGGGT
AAGTCGCACTCTCTTGGCATTGTTGTCTAACCTAACCTTCCCTCAAGACGATGGGCTTTG
GTTTACCAGCTGCCATTGGAGCCAAGGTTGGCGCTCCAGACAAGATTGTCGTCAACAT
TGACGGTGATGCATCTCTGAGTATGACTGCCATGGAACCTTGCCACCGCTACCAATAACA
ATGTTGGCGTAAAATGTATGGTTTT

>Ilv2 (FG595)_*Gautieria morchelliformis*

GCACAGTTTTATCGATGGACTCATCCACGGACTATGATCTCTTCAGGTGGACTGGGGGT
GTGTTATCGCCATTTTGATAATGTTCTGGCGATTGTGCTCATTCTCTGACAGACCATGGG
TTTCGGCCTCCCAGCTGCGATTGGATGCAAGGTCGGCGCACCTGACAAAATTGTTATAG
ATATTGATGGTGATGCATCCTTGAGTATGACTGCTATGGAATTGGCTACCGCAGCGCAAT
ACAAGGTTGGCGTGAAATGCTTGGTGTT

>Ilv2 (FG595)_*Aspergillus triticus*

GCTCAGCACTTCCGCTGGCGCCATCCCCGCACCATGATCACCTCCGGTGGTCTGGGAA
CCATGGGCTACGGTCTCCCCGCCGCCATCGGCGCCAAGGTCGCGCGCCCGGATGCCCT
GGTTATCGACATCGACGGCGACGCGTCTTCAACATGACCCTGACCGAGCTGTGACG
GCGGCCAGTTCAACATCGGCGTCAAGGTGCTGCTGCT

>Ilv2 (FG595)_*Neurospora crassa*

GCTCAGCACTTCCGCTGGCGCCACCCCCGTACCATGATCACCTCCGGTGGTCTCGGTAC
CATGGGCTTCGGTCTCCCCGCCGCCATCGGCGCCAAGGTTGCCAAGCCCGATGCTCTT
GTCATTGACATCGACGGCGACGCCTCCTTCGGCATGACCCTCACCGAGCTCTCCACCG
CTGCTCAGTTCAACATTGGCGTCAAGGTCATCGTCCT

>Ilv2 (FG595)_*Agaricostilbum hyphaenes*

GCCCAGCATTACAGATGGACATCACCTCGCTCGTGGGTGTCTTCCGGTGGTCTTGGCGT
AAGCACAATTGAATGATCCGTGAACTCCACTGATGTTTCCTCATGCTTCCAGACTATGG
GTTACGGGTTGCCATCATGCATTGGCGCCAAGGTGGCTGCACCCGAGAAATACGTCGT
CGACATTGACGGTGATGCTTCATTACAGCATGACGGCTATGGAGATGGCTACTGCTTCGC
AGTATGGCATCGGTGTTAAGCTGCTCGTCTT

>Ilv2 (FG595)_*Rhizopus microsporus*

TGTCAGTACTACCGTTGGACACATCCTCGTACTTTCATTTTCCTCAGGCGGTTTAGGAAC
CATGGGTTATGGCCTTCCTTCTGCTATTGGTGCCAAGGTTGCAAAGCCCGACCATATCG
TCGTGGACATTGATGGTGATGCCTCCTTTTCGATGACTGCCATGGAACCTTGCCACCGCT
GCTGAATTCAACATTGGTGTCAAGGTCTTGTTACT

>Krr1 (FG695)_*Pluteus cervinus*

TTGCTGGCTCGAGGCGTCGCTATTAACCAAGCCGTCAAATCCTGGATGACACCATGG
CTTGTGACATCATAAAATCGGAAATTTGGTTAGCAATAAGGAGCGGTTTCGTAAAGCG
GAGACAACGTATCATAGGACCAGATGGAAGTACACTCAAAGTGCGTGCAGATACTCTC
TTTACTCCCTTTTCTCACTCAATTGCAGGCAATCGAATTGCTCACACAATGTTATGTCCT
TGTACAAGGAAGTACCGTCAGCGTTATGGGTCCCTACAAATCCTTGAAAGAGGTTCGA
AGAATTGTATTGGACTGC

>Krr1 (FG695)_*Gautieria morchelliformis*

CTTCTAGCCAGAGGTGTTGCTGTTGCCCAAGCGGTCAAGATTTTAGATGATGGTGTTC
TTGCGACATAATAAAAATCGGAACTTGGTACGGAACAAGGAGAGATTTGTGAAACGA
CGGCAGAGGATCATAGGGCCTGATGGGAGCACACTGAAGGTGAGGGCCACGAAGCCT
CAAACCTTCGTACTTATCACTGTGATAGGCAATCGAATTGTTAACTTCGTGCTACGTGCT
TGTGCAAGGCAGTACAGTAAGCGTCATGGGGCCTTACAAATCCCTAAAAGAAGTACGG
CGAATAGTACTAGATTGC

>Krr1 (FG695)_*Fomitopsis pinicola*

TTGCTTGCCCGCGGCGTAGCGATGGGGCAAGCTGCTAAGATCCTGGATGACGCCGTTG
CATGCGACATCATAAAAATCGGCAACATTGTACGGAATAAGGAGCGTTTTGTGAAGCG
GAGACAGAGGATCATTGGGCCAGACGGTAGCACGCTCAAAGTGAGTCTCATACTTGGT
CATGGGGCCTATCTGACATGTGGTGCAGGCCATCGAGTTGTTGACGCAGTGCTACGTAC
TCGTTCAAGGAAGCACCGTTAGCGTAATGGGACCATATAGGGGCCTGAAGGAAGTCCG
CCGGATAGTCCTCGACTGC

>Krr1 (FG695)_*Schizophyllum commune*

CTACTAGCTCGTGGTGTCCCGTCGCTCAAGCAGTCAAGATCCTCGACGACAACATGG
CATGCGACATCATCAAGATCGGCAGCTTGGTACGGAATAAGGAGCGCTTTGTGAAGCG
GCGGCAGAGGATTATCGGGCCGGATGGGAGTACGCTGAAGGTGCGTGGTGAACCTTCT
TGACTTCCTGGAGTTTAAACGCGCTGCAGGCAATCGAGTTGTTGACCCAGTGCTACGTC
CTCGTGCAAGGTAGCACCGTCAGTGTCATGGGTCCTTACAAGTCCTTGAAGGAGGTCC
GCCGCATCGTCCTCGACTGC

>Krr1 (FG695)_*Tricholoma matsutake*

CTGTTGGCAAGAGGTGTTGCCATTACCCAAGCAGTGAAGATACTAGACGATAACATGG
CGTGCGACATCATCAAGATCGGAAACCTCGTGCGCAATAAAGAACGGTTTGTGAAGAG
GCGACAGAGGATCATTGGTCCGGATGGGAGCACTCTCAAGGTACGTTTTCTACGCAAT
CGTTCCTCCTAATTTGTTTGTGGGACAGGCTATTGAACTGTTGACGCAATGTTATGTGCT
GGTGCAGGGGAACACTGTCAGTGTTCATGGGGCCATACAAGTCCCTGAAGGAAGTCCG
TCGGATTGTACTAGATTGC

>Krr1 (FG695)_*Gymnopilus chrysopellus*

CTCCTCGCACGCGGCGTCGCGGTGAACCAGGCCGTGAAGATCCTCCAGGACGATGTG
GCGTGCGATATCATCAAGATTGGGAATCTGGTGCGGAATAAGGAGAGGTTTGTGAAGA
GGAGACAGAGGATTATCGGCCCGGATGGGAGTACGTTGAAGGTGTGTGTGTGTTCTTA
TGGAGGGGTGGTGACCTTTTATTTTCAAGGCTATTGAGCTGTTGACGAACTGTTATGTC
CTCGTGCAAGGGAACACCGTCGCTGCTATGGGCCATACAAGTCCCTAAAAGAAGTAC
GCCGAATAGTCCCTCGACTGC

>Krr1 (FG695)_*Agaricus bisporus* var. *burnettii*

CTTCTTGCTCGCGGTGTGGCCGTTAATCAGGCCGTTAAAATCCTTGAGGACGACATGGC
GTGTGATATCATAAAAATTGGAAATTTGGTACGAAATAAAGAAAGGTTTGTGAAGCGG
CGGCAAAGGATCATTGGACCAGACGGCAGTACACTGAAGGTTTCGCTGGCCCCTAACC
CCCTGTGCAAGCTATCTCCGTTTCATAGGCAATTGAGCTTCTAACTCAGTGCTATGTGCT
GGTGAAGGAAGCACTGTTAGTGCCATGGGACCCTACAAATCTCTGAAAGAAGTCAG
GCGGATCGTCCTCGATTGC

>Krr1 (FG695)_*Trametes versicolor*

CTGCTTGCACGAGGTGTCGCGATCGGGCAGGCCGTCAAATCATGAGCGACGACATTG
CGTGTGACATCATCAAGATTGGGAATGTTGTGCGGAATAAGGAGCGGTTTCATCAAGCG
GCGGCAGAGAATCATTGGGCCGGACGGCAGCACGCTGAAGGTACGCTTTACGGATAAT
GCACGCAGATAGATTAACAATATATCAGGCTATCGAATTGCTCACGCAGTGTTACGTCCT
TGTACAAGGAAACACTGTCAGCGTCATGGGTCCGTACAAGGGGCTTAAGGAGGTACG
GCGGATCGTGCTCGACTGC

>Krr1 (FG695)_*Dacryopinax primogenitus*

CTCCTCGCGCGTGGAGTTGCGGTTCGGGCAGGCCGTGAAGATCCTGGACGACGCTGTG
GCGTGCGATATTATCAAGATTGGGAATATCGTTAGGAATAAGGAGCGGTTTCGTCAGCG
GAGACAGAGGATCATTGGCCCCGGATGGGAGTACGCTTAAGGTGCGTTTCGCGTCTGTT
AATCTTATTGGCTACAGGCCATCGAACTCTTAACACAATGTTACGTCCTCGTGCAAGGA
AACACCGTATCCGTGATGGGCCGTACAAGTCGCTTAAGGAAGTCCGACGTATCGTCAT
CGACTGT

>Krr1 (FG695)_*Agrocybe pediades*

CTCATGGCCCGTGGTGTAGCAGTGAACCAAGCCGTTAAGGTCTTGCAAGACGATATTG
CTTGTGACATTATCAAAATCGGCAACCTGGTGCGGAATAAGGAGAGATTTGTGAAGAG

ACGGCAGAGGATTATCGGACCTGATGGAAGTACACTGAAGGTGAGTCTGAGTTTTCTC
TGAGAGGTGAGAATGAATGTGTATACAGGCTATCGAACTCCTCACAAATTGCTACGTCC
TCGTACAAGGAAACACAGTCAGCGTAATGGGTCCCTTTCAAATCACTAAAAGAGGTCCG
ACGCATAGTCCTCGATTGC

>Krr1 (FG695)_*Coprinopsis cinerea*

CTCATGGCCCGTGGTGTGCTCTGAACCAGGCGGTGAAAATCCTTCAAGACGACATGG
CCTGCGATATTATCAAGATTGGGAACCTCGTACGGAATAAGGAGCGCTTTGTAAAGCGG
AGACAACGTATCATTGGACCTGACGGGAGCACGCTGAAGGTGTGTTTGTGGCCACAA
ATATGTTGTATTCTAGGCCATCGAGCTGCTCACCAACTGCTACGTCCCTGGTCCAGGGAA
GCACAGTGAGCGTGATGGGTCCCTTTAAATCTCTAAAAGAAGTGCGGAGAATAGTTCT
CGATTGC

>Krr1 (FG695)_*Laccaria bicolor*

CTTTTGGCGCGTGGTGTGGCTGTCTCGCAAGCGGTAAAGATTTTGGACGACGCGTTG
CGTGTGATATCATCAAGATTGGGACGTTGGTGCGGAACAAGGAGAGGTTTGTGAAGCG
GAGGCAGAGGATTATTGGACCGGATGGGAGTACGCTCAAGGTGAGTTGGGCTTCTTCT
GAAGTAACAGAAACCTAATGGAGAGTAGGCCATTGAACTATTGACGAATTGTTATGTGC
TGGTGCAAGGAAGCACAGTGAGCGTGATGGGTCCCTTACAAGTCGCTCAAGGAGGTTT
GACGAATAGTTCTCGATTGT

>Krr1 (FG695)_*Amanita muscaria*

CTGCTCGCACGAGGTGTAGCTATCAACCAAGCAGTCAAGATATTAGAAGACAACATTG
CGTGCGATATCATAAAATCGGGAGCCTGGTACGGAACAGGGAGAGATATGTCAAGCG
CAGGCAGAGGATCATCGGACCTGATGGAAGCACGCTCAAGGTGAAGCCGAAAACCGA
AACCCGATTGTGCGTTGATCGGAATGTCAGGCCATTGAATTGTTAACGGGATGCTATGTG
CTGGTGCAGGGCAGCACTGTAAGTGTGATGGGACCGTACAAGGCGCTCAAAGAAGTT
CGACGAATAGTCCTCGATTGC

>Krr1 (FG695)_*Gymnopus androsaceus*

CTCCTTGCGCGAGGTGTTGCAATGACACAGGCCGTAAAGATCCTCAACGATGAGATTT
CGTGTGATATTATCAAGATTGGGAATCTAGTAAGGAACAAGGAACGTTTTGTGAAGAG
ACGACAGAGGATTATTGGACCGGACGGAAGTACGTTGAAGGTGTGTGTGGTGTGTGAT
TTCTTCCTGTTGATCGACGTGTACGCAGGCTATTGAGTTGTTAACGCAATGTTATGTGCT
TGTACAAGGAAGCACGGTCAGCGTTATGGGACCTCATAAATCCCTCAAGGAAGTTCCG
CGGATAATTCTCGATTGC

>Krr1 (FG695)_*Phanerochaete carnosus*

TTACTTGCTCGTGGCGTCAACATCGGTCAGGCCGTGAAGATACTTGATGACGCTATTGC
CTGCGACATTATCAAGATCGGGAACATTGTTTCGGAATAAGGAACGATTTGTGAAACGG
CGGCAGAGGATAATTGGTCCGGACGGCAGCACGCTGAAGGTACGTTCACTTGAGTGTA
GCCGTGGTCAGGTTTCATGTACGCCAGGCTATCGAGCTCTTGACCCAATGCTACGTCTT
GGTGCAAGGAAGCACTGTCAGCGTAATGGGCCCATATAAGGGCTTGAAGGAAGTCCG
GAGAATTGTGCTTGATTGC

>Krr1 (FG695)_*Ramaria acris*

CTTTTAGCTAGAGGTGTGGCTATTGGACAAGCTGTCAAGATCTTAGATGACAGTGTCCG
GTGCGACATCATCAAAATTGGGAATTTAGTACGAAACAAAGAGAGATATGTAAAGAGG
AGACAAAGGATCATAGGACCTGACGGGAGTACATTGAAGGTGAGTAACTCGGTGTTGG
GATCCTCGGGGCTTAATCCTTGTAAAGGCGATCGAACTGTAACTTCGTGCTACGTACT
GGTTCAGGGCAGCACTGTGAGCGTCATGGGCCCTACAAGTCTCTCAAGGAAGTACG
AAAAATTGTGTTAGATTGC

>Krr1 (FG695)_*Lactarius quietus*

CTTCTCGCGCGAGGTGTGCGAGTCGGACAGGCCGTCAAATCTTGGATGATGGCGTTG
CATGCGACATCATCAAGATTGGAAATCTTGTTCGGAACAAGGAGCGTCTCGCAAACG
GAGACAGCGCATCATCGGACCAGATGGCAGTACCCTCAAGGTTTGTACTCTAGTCTAC
ACCTCGGAATGACTCGATCACCCTAGGCTATCGAGCTGCTCACTCAGTGCTACGTCTT
GGTGCAAGGGAGCACCGTTAGCGTCATGGGTCCCTACAAATCCCTCAAGGAAGTCCGT
CGAATTGTGCTAGACTGT

>Krr1 (FG695)_*Hygrophoropsis aurantiaca*

CTCATGGCACGAGGTGTTGCAGTTACGCAAGCTATGAAAGTTCTGCAAGACGATGTAG
CATGCGATATCATCAAGATTGGTAGCTTGGTTCGTAACAAAGAAGGTTTCGTTAAACGG
AGACAAAGGATCATTGGACCAGATGGGAGCACTCTCAAGGTGGGCACGCCAAAGATT
TGCATGATGCTTATAACCGGATACGCTAGGCGATTGAGCTTTTAACTCAATGTTATGTACT
TGTAACAAGGCAGTACGGTTAGCGTTATGGGCCCATACAAATCCCTCAAAGAGGTCCGG
CGAATAGTAATAGACTGC

>Krr1 (FG695)_*Serpula lacrymans* var. *lacrymans*

CTATTGGCGAGAGGTGTAGCAATATCACAAGCAGTTAAGGTTCTCCAGGACGACGTTG
CATGTGATATAATCAAAATTGGCAGTCTTGTACGAAACAAAGAGCGGTTTCGTGAAGCG
AAGACAGAGAATCATCGGACCAGATGGGAGTACTCTCAAGGTATGTTTTGTATCAGATT
TTTGAAGTGTGTTATTCGTTCTCCTAGGCCATCGAGCTCTTGACCCAGTGTTATGTATTG
GTCCAAGGAAGCACTGTAAGCGTCATGGGGCCTTACAAGTCACTAAAGGAAGTCAGG
AGAATAGTTTTGGACTGC

>Krr1 (FG695)_*Marasmius fiardii*

CTCCTCGCTCGTGGTGTGTCAGTTCAGCAGGCAGTCAAGATTCTTGAAGACAACATCT
CTTGTGACATTATCAAAATTGGCAACCTGGTTCGGAACAAGGAACGATTTGTGAAGCG
AAGGCAGCGTATAATAGGTCCGGATGGTAGTACACTGAAGGCACGTTTCATCAGCTCTT
GCCGATTTGTTCTACTGCTGTGTGTAGGCCATCGAACTGTAAACGCAGTGCTATGTCTT
GGTTCAGGGGAATACTGTCAAGTGAATGGGGCCTACAAGTCACTGAAGGAGGTGCG
CGGTATAGTCTTGGATTGT

>Krr1 (FG695)_*Auricularia delicata*

CTGCTTGCRCGCGGCGTGGCGATAAATCAAGCGCTCCGGGTGCTTGAGGACGGGGTG
CGGTGCGACATTATCAAGATTGGTGGCATGGTGCAGGAATAAAGAAGCCTTCGTCAAGC

GGAGACAGCGTATCATTGGACCGGATGGGAGCACACTGAAGGTCCGTGGTCTTCTGAT
GATCGAAAGACTGACGCTTCGGTTGACAGGCTATCGAGTTGCTCACTGAGTGCTACGT
CCTTGTACAAGGAAACACTGTCAGCGTACTCGGTCCCCATAAGAAGCTCAAAGAGGTC
CGACGCATCGTCGAGGACTGC

>Krr1 (FG695)_*Calocera cornea*

CTGCTCGCGCGCGGGGTCGCGCTCGGGCAGGCGGTGAAGATCCTCGACGACGCGGTG
GCGTGCGATATTATCAAGATTGGGAATATTGTGCGGAATAAAGAGCGGTTTCGTGAAGAG
GAGGCAGAGGATTATCGGCCCGGACGGGAGCACGCTCAAGGTGCGTCGTATTGGCCC
GTGGCATAATGTCAATGGATTGATCGTCAGGCCATCGAGCTCCTCACAGGCTGCTACGTT
CTCGTGCAAGGCAACACGGTGTCCGTGATGGGCCCGTACAAGTCGCTCAAAGAGGTG
CGGCGCATCGTCCTGGACTGC

>Krr1 (FG695)_*Stereum hirsutum*

CTTCTCGCTCGTGGTGTGGCCGTGACTCAGGCCGTGAAGATTCTGGACGACAACGTTG
CATGCGACATCATCAAGATTGGAAACCTTGTGAGAAACAAAGAGAGATTTGTGAAGA
GGAGACAAAGAATTATTGGGCCGGATGGGAGTACGTTGAAGGTATGCACTGATTTACT
GTTCCGATCAGTATCTCATATCTTACAGGCCATTGAATTGTTGACCCAGTGTTACGTTT
TGGTACAAGGAAGCACTGTTAGCGTCATGGGTCCTTACAAGTCTCTCAAGGAGGTTTCG
GCGGATAGTCCTGGATTGT

>Krr1 (FG695)_*Fomitiporia mediterranea*

CTCCTCGCGCGTGGAGTCGCCCTTGGCCAAGCCGTGAAGATCCTCAACGACGACATGG
CTTGCAGACATCATCAAAATTGGCGGTTTAGTCAGAAATAAGGAACGATTTCGTTAAGAG
ACGGCAGAGGATTATTGGACCTGATGGGAGTACGTTGAAGGTACGTATTTTAGTTTTTG
TCCTGACGATTTTGTGGTACATTTAGGCAATTGAACTTTTAACCCAGTGCTATGTCCTT
GTACAAGGCAACACAGTTAGCGCCATGGGCCCATACAAATCGCTCAAAGAAGTCCGTC
GAATCGTACTCGACTGC

>Krr1 (FG695)_*Boletus edulis*

CTCCTTGCTCGAGGCGTTGCAGTCACCCAAGCGGCCAGGATCCTCCAAGATGATATCG
CATGTGACATCATTAAAATCGGAAATCTTGTGCGGCACAAAGAGCGCTTCGTAAAGAG
GAGGCAGCGTATCATTGGTCCTGACGGTAGCACTCTCAAGGTGACTTTGGTGCCATCC
CTTCAAGGTCTCACAAAGGAAGGATTAGGCAATTGAGCTTTTGACGCAGTGCTATGTT
TTAGTCCAGGGCAATACGGTGAGCGTTTTGGGCCCGCACAAATCCCTGAAGGAAGTAC
GACGCATCGTTTTGGATTCC

>Krr1 (FG695)_*Mycena crocata*

CTACTTGCGCGAGGCGTTCCAGTGAGCCAGGCCGTCAAGATACTCGATGATTCTGTTG
CGTGCGACATCATAAAAATCGGCACCTTGGTGCAGGAATAAAGAAAGATTTCGTAAAGCG
GAGACAGAGGATAATTGGTCCTGATGGAAGTACTCTGAAGGTAATGTGTTGGTACTTCC
TTCGAGTAGCTGATTATGGCAGGCTATCGAACTATTAACGCAATGCTACGTCCTGGTGC
AAGGAAATACTGTCAGTGTTATGGGTCCGTATAAATCTCTTAAGGAGGTTAGACGGATA
GTTCTCGACTGC

>Krr1 (FG695)_*Rhizopus microsporus*

TTATTAGCAAGAAGTGTACCTTTTATATAGGCAATCAAATTATGGAAGATGGCATTGCT
TGTGATATCATAAAGATTGGAAATATCACTCGTAACAAGGAAAGATTTGTAAAGCGTAG
ACAAAGATTGATTGGACCTAATGGTTCAACTTTAAAAGTAAAAATAATCAAATAAGG
TTATGATGATTGTGGATTTCTTAGGCAATTGAACTCTTGACAAAATGTTATATGATGGTT
CAAGGTAATACGGTTGCTGCTATGGGTCCATATAAGGGACTTAAGGATCTTCGTCGTATT
GTGATTGATTGT

>Krr1 (FG695)_*Neurospora crassa*

TTGCTCGCCCGTTTCAGTACCAGCCCCACAAGCGATCAAATTCTCGAAGATGGCATGG
CCTGCGACATCATCAAGATCCGCAGCATGGTACGGAACAAGGAGCGTTTTGTAAAGAG
GCGCCAAAGAATTCTCGGACAGAACGGCACAACGCTCAAGGCTCTCGAGCTTCTCAC
ACAAACATATATCCTCGTGCACGGAAACACAGTGTGCGTAATGGGTCCTTTCAAGGGT
CTGAAGGAGGTGAGGAGGGTTGTTGAGGACACC

>Krr1 (FG695)_*Aspergillus triticus*

TTGCTGTGAGAAAGTGTGCCTGTGTGACAGGCACTGAAAATCCTCGAGGACGACATTG
CATGCGACATCATTAATAATCCGCAACCAGGTGCGCAACAAGAACGCTTCGTCAAGCG
ACGACAACGTATCCTCGGTCCCAACGGCTCGACGTTGAAGGCGCTCGAACTCCTGACG
AGCACGTACATCCTCGTGCAAGGCAACACCGTGGCAGCGATGGGACCGTTCAAGGGG
CTGAAGGAAGTGCGCAAGATCATCAACGACTGC

>Mcm2 (MS463)_*Gymnopus androsaceus*

AAGCGTATCATCAAGTCCATCGCTCCCTCCATCTACGGTCACGAAGATATCAAACGGC
GATTGCGTTGTCTCTCTTTGGTGGTGTCTCCAAAGACATCAACCACAAGCATCGTATTC
GTGGTGATATTAATGTTCTCCTCCTCGGTGACCCCGGTACAGCCAAATCCCAATTCTC
AAATATGTCGAAAAGACAGCCATCGATCTGTCTTTGCTACCGGTCAAGGTGCCTCTGC
GGTTGGTTTGACAGCTAGTGTGCGCAAAGACCCGGTTACGCGTGAATGGACGCTGGA
GGGAGGCGCGTTGGTGCTCGCCGACAAGGGTACTTGTCTTATTGACGAATTCGACAAG
ATGAACGA

> Mcm2 (MS463)_*Fomitopsis pinicola*

AAGCGCATCATCAAGTCTATTGCCCTTCGATCTACGGGCATGAAGACATCAAGACAGC
CCTCGCCCTGTCATTATTTGGTGGCGTGCCCAAGGACATCAACCGCAAGCACCGTATCC
GCGGAGACATTAACGTCTCCTTCTCGGCGACCCGGGTACAGCAAAGTCGCAGTTCTC
GAAGTACGTGGAGAAAACAGCGCACCGGTCCGTGTTTCGCGACCGGGCAGGGCGCGTC
CGCAGTCGGTCTGACGGCGAGCGTGCGCAAGGACCCGGTGACGCGCGAGTGGACGCT
CGAGGGCGGCGCGCTCGTGCTCGCGACAAGGGGACGTGCCTGATCGACGAGTTCGA
CAAGATGAACGA

> Mcm2 (MS463)_*Phanerochaete carnosae*

AAACGCATCATCAAGTCCATTGCCCTTCATCTACGGACACGAGGACATCAAACCG
CCATCGCGTTGTCTTTGTTTCAGTGGTGTCTCCAAAATATCAACCGGAAGCACCTCTT

CGTGGTGATATTAACGTACTCTTGTTGGGAGATCCCGGTACTGCCAAGTCGCAATTCCT
CAAGTACGTCGAGAAAACAGCGCACCGTTCCTGCTTCGCCACTGGCCAGGGTGCTTCC
GCCGTCCGGTCTTACCGCGAGTGTGCGCAGAGACCCTGTGACCTGCGAATGGACGCTCG
AGGGAGGTGCACTCGTTCCTTGCAGACAAGGGCACCTGTCTGATCGATGAGTTTGACAA
AATGAACGA

> Mcm2 (MS463)_*Trametes versicolor*

AAACGCATCATCAAGTCTATCGCCCCCTCCATCTACGGCCATGAAGACATCAAGACAGC
CTTGCCCTATCGCTTTTCTCCGGTGTTCCTCAAGGATATTAACCGGAAGCATCGTATTCG
TGGTGATATCAACGTCCTTCTGCTCGGTGACCCAGGAACGGCCAAGTCCCAATTCTTG
AAGTATGTGGAGAAGACGGCCATCGTTCGTGTTTCGCCACGGGTGAGGGCGCGTCTG
CCGTCGGTCTTACGGCGAGCGTGCACAAGGATCCTATCACGCGGAGTGGACTCTGGA
GGGTGGCGCACTCGTGCTCGCCGACAAGGGAACCTTGTCTCATCGACGAGTTCGACAA
GATGAACGA

> Mcm2 (MS463)_*Stereum hirsutum*

AAACGCATCATCAAATCTATCGCGCCCTCCATCTACGGTCACGAAGACATCAAAACTGC
TCTCGCCCTCTCCCTTTTCGGTGGATGTTTCAAGGACATCAAGCGCAAGCACCGAATC
CGTGGCGACATCAACGTACTGCTGCTTGGTGATCCTGGAACGGCCAAATCTCAGTTC
TGAAGTACGTTGAGAAGACGGCTCATCGGTTCGGTGTTCGCTACGGGCCAAGGCGCATC
TGCGGTTCGGTCTTACGGCCAGCGTTCGCAAGGATCCCGTTACTCGCGAATGGACTCTC
GAAGGTGGCGCGCTCGTTCGCGGACAAGGGCACCTGTCTCATCGACGAGTTTGACA
AGATGAACGA

> Mcm2 (MS463)_*Pluteus cervinus*

AAGCGAATCATCAAGTCCATTGCGCCCTCTATCTACGGCCACGAAGACATTA AAAACTGC
CATTGCACTTTCTCTCTTCGGCGGTGTACCCAAGGATATCAAACACAAACATCGAATCC
GTGGTGATATCAACGTCCTGCTCTTGGGTGACCCAGGAACAGCAAAATCTCAATTCTC
GAAATACGTAGAAAAGACGGCACATCGGTTCGGTCTTTGCGACGGGTCAAGGTGCATCT
GCTGTTCGGTCTTACTGCGAGTGTCCGCAAGATCCTATAACGCGAGAATGGACGCTCG
AGGGTGGTGCTTTGGTGTGGCGGACAAGGGTATCTGCCTTATCGACGAGTTCGACAA
GATGAACGA

> Mcm2 (MS463)_*Laccaria bicolor*

AAAAGGATCATCAAATCCATCGCCCCATCCATCTACGGCCACGAAGATATCAAGACCGC
CATTGCCCTTTCACTCTTTGGTGGAGTGTCCAAGGACATCAATCACAAGCATCGCATTC
GTGGAGATATCAACGTCCTTCTTAGGAGACCCTGGAACAGCCAAATCTCAATTTCTC
AAATATGTTGAAAAGACTGCTCACAGATCGGTCTTCGCAACTGGGCAAGGTGCATCAG
CGGTTCGGTCTCACTGCCAGCGTCCGCAAGGATCCCATCACGCGAGAGTGGACGCTAGA
GGGTGGCGCACTAGTTCGCGAGATAAAGGCACCTGCCTTATCGACGAATTCGACAAG
ATGAACGA

> Mcm2 (MS463)_*Schizophyllum commune*

AAACGCATCATCAAGTCCATCGCACCGTCCATCTATGGCCATGAGGACATCAAGACCGC
CATTGCCTTGTCATTATTTGGTGGGGTACCCAAGGACCCGAACCACAAGCATCGTATTC

GTGGCGATATCAACGTGCTCCTTCTCGGGGACCCCGGTACCGCCAAATCGCAGTTCCTA
AAGTATGTCGAGAAGACCGCCCATCGTAGTGTCTTCGCCACTGGTCAGGGGGCCTCCG
CCGTCGGTCTCACCGCCAGCGTCCGCAAGGACCCATCACGCGCGAGTGGACGCTCG
AAGGCGGCGCGCTCGTCCTCGCCGACAAGGGCACCTGCCTCATCGACGAGTTCGACA
AGATGAACGA

> Mcm2 (MS463)_*Coprinopsis cinerea*

AAACGAATTATCAAGTCTATTGCTCCTTCTATCTACGGCCACGAGGACATCAAGACCGC
CATCGCTCTCTCCTTGTTCGGAGGTGTACCCAAGGATATCAACCATAAGCACCGTATCC
GTGGAGACATCAACGTACTTTTACTCGGTGACCCTGGTACGGCCAAATCCCAATTTCTC
AAATATGTTGAGAAAACCGCCACCGATCCGTATTTGCGACGGGCCAGGGAGCTTCCG
CAGTCGGTCTCACAGCCAGTGTGCGCAAGGACCCAGTGACCCGAGAGTGGACGTTGG
AAGGAGGAGCATTGGTACTAGCCGATAAAGGAACCTGCCTCATCGACGAATTCGATAA
GATGAACGA

> Mcm2 (MS463)_*Agrocybe pediades*

AAGAGGATTATCAAGTCTATCGCACCGTCCATTTACGGCCACGAGGATATCAAAACTGC
TATTGCTCTCTCTGTTTGGAGGTGTACCTAAAGACATCAACCATAAGCATCGTATTTCG
AGGCGACATCAACGTCCTTCTACTCGGAGATCCCGGAACAGCGAAGTCGCAATTCCTG
AAATATGTTGAAAAGACAGCCATAGATCAGTCTTCGCCACTGGTCAAGGTGCTTCCG
CTGTTCGGTTTGACTGCGAGCGTGCAGAAAGACCCTATAACTCAGGAATGGACATTGGA
AGGAGGTGCCTTGGTACTTGCAGATAAAGGGACATGCTTAATCGATGAGTTCGACAAG
ATGAACGA

> Mcm2 (MS463)_*Gymnopilus chrysopellus*

AAAAGGATCATCAAGTCGATCGCTCCATCCATTTATGGCCATGAAGATATCAAGACTGC
CATCGCCCTATCTCTCTTTGGTGGTGTACCCAAAGATATTGACCACAAACTACGGATT
GAGGCGATATCAATGTCTTACTTCTCGGTGACCCCGGTACAGCCAAATCACAATTCCTG
AAATACGTTGAGAAGACTGCCACCGGTCTGTCTTCGCCACGGGTCAAGGAGCCTCCG
CTGTAGGTCTTACAGCCAGCGTGCAGCAAGGACCCTGTCACTCGAGAATGGACGCTCGA
AGGAGGTGCTCTGGTGCTCGCAGACAAGGGCCACTGCCTCATCGACGAGTTCGACAA
GATGAACGA

> Mcm2 (MS463)_*Lactarius quietus*

AAGCGTATCATCAAGTCCATCGCGCCTTCGATCTACGGGCACGAGGACATTAAGACCG
CCATCGCGCTCTCTCTTTCGGCGGCGTCTCGAAGGACGTGAAGCGTAAGCTGCGCAT
CCGTGGCGACATTAACGTGCTACTACTTGGCGACCCCGGAACCGCCAAATCGCAGTTC
CTCAAGTACGTGAGAAGACCTCGCATCGGTTCGGTCTTCGCGACGGGCCAGGGCGCG
TCGGCGGTTCGGTCTGACGGCAAGCGTGCAGCAAGGACCCTGTGACGCGCGAGTGGACG
CTCGAGGGCGGCGCGTGGTGCTTGTGATAAGGGCCACTGTTTGATAGACGAATTCG
ACAAGATGAACGA

> Mcm2 (MS463)_*Auricularia delicata*

AAGCGCATCGTCAAGAGTATCGCGCCTAGCATCTACGGGCACGAGAATATCAAGACCG
CGCTCGCTCTGTGCTCTTTGGCGGTGTTCCGAAGAACGTCAACAACAAGATGAACAT

CCGTGGCGACATCAACGTTCTCCTGCTCGGCGACCCTGGCACGGCCAAGTCGCAGTTC
CTCAAGTACGTTGAGAAAACCGCGCACAGAGCCGTCTTCGCGACAGGCCAGGGCGCG
AGCGCCGTGGTCTGACGGCGAGCGTGCGGAAGGACCCCGTGACGCGCGAGTGGAC
GCTGGAGGGCGGCGCGCTGGTGCTCGCGGACAAGGGCGTGTGTCTGATCGACGAGTT
CGACAAGATGAACGA

> Mcm2 (MS463)_*Agaricus bisporus* var. *burnettii*

AAGCGCATCATCAAATCCATCGCTCCGTCTATCTATGGACATGATGATATCAAGACCGCT
ATAGCTTTGTCCCTCTTTGGTGGCGTGTGCGAAGGATATCAATCACAAACATCGCATTCG
TGGAGATATCAATGTCCTTCTCCTAGGGGATCCCGGCACTGCGAAATCCCAATTCTTAA
AATACGTGAAAAGACTGCTCATCGATCTGTTTTCGCAACGGGCAAGGTGCTTCGGC
TGTGGGTTTACTGCTAGCGTTCGCAAAGACCCAGTCACACGTGAATGGACTCTCGAA
GGTGGAGCTTTGGTATTGGCTGATAAAGGAACCTGCTTAATCGACGAGTTTGACAAAA
TGAATGA

> Mcm2 (MS463)_*Fomitiporia mediterranea*

AAGCGTATTATCAAGTCCATCGCGCCATCGATTTATGGACATGAAGATATCAAGACAGC
GATAGCACTGTCACTCTTTGGTGGTGTGTCGAAGGATATCAACCGCAAGCATCGTATTC
GTGGGGATATCAACGTGCTTATGCTCGGTGACCCAGGTACTGCGAAGTCGCAGTTCCT
GAAGTACGTTGAGAAAAGTGCACATCGTGTGTTTTTACGACAGGTCAAGGTGCTTCT
GCAGTCGGTTTACTGCTAGCGTGCGCAAGGACCCAGTAACGCGGGAGTGGACTCTT
GAAGGGGGCGCCCTTGTCTTGCAGATAAGGGAACCTTGTCTCATCGATGAGTTGACA
AGATGAACGA

> Mcm2 (MS463)_*Tricholoma matsutake*

AAACGCATCATTAAATCCATTGCGCCCTCCATCTACGGCCACGAAGGCATCAAAAACAG
CGATTGCACTTTCTCTATTTGGCGGCGTTCCAAAAGATATCAACCACAAGCATCGCATC
CGGGGCGACATCAACGTTCTCCTCCTCGGCGACCCAGGAACGGCCAATCTCAATTCC
TCAAGTACGTGAAAAGACCGCCACCGATCTGTCTTCGCAACTGGCCAAGGTGCTTC
TGCTGTAGGTCTGACTGCAAGTGTTCGCAAAGACCCTATCACACGCGAGTGGACACTA
GAAGGAGGGGCCCTTGTCTCGCAGACAAGGGAACCTTGCCTTATCGATGAATTTGACA
AGATGAACGA

> Mcm2 (MS463)_*Hygrophoropsis aurantiaca*

AAACGCATCATCAAATCCATCGCGCCGTCTATATACGGCCACGAAGACATCAAAAAGTGC
CATCGCGCTCTCGCTCTTCGGTGGCGTTCCTCAAGGACATCAACGGCAAACACAGAATT
CGTGGAGATATCAACGTCCTTCTCTTGGGCGATCCCGGAACAGCCAAGTCGCAATTTT
GAAATATGCAGAAAAGACAGCCACCGGTGCGTATTTGCTACAGGCCAGGGAGCCTCC
GCTGTGGGTCTCACTGCTAGCGTCCGTAAGGACCCTGTTACAAGGGAGTGGACACTCG
AAGGAGGCGCACTAGTCCTTGCTGACAAGGGGACGTGCCTGATAGACGAATTCGACA
AAATGAACGA

> Mcm2 (MS463)_*Serpula lacrymans* var. *lacrymans*

AAACGGATAATTAAATCCATAGCACCTTCTATCTACGGTCATGAAGATATCAAAAACCGCT
ATCGCACTCTCTGTTCGGAGGAGTTCCCAAGGATGTTAACAGGAAACACAGAATTC

GTGGCGACATCAACGTCCTCTTACTCGGTGACCCTGGAACAGCGAAGTCTCAGTTCTT
GAAATATGCAGAAAAACGGCACATCGCTCCGTTTTTCGCCACAGGTCAGGGCGCATCT
GCTGTTGGTCTGACTGCCAGTGTACGAAAAGATCCGATAACAAGAGAATGGACGCTCG
AAGGCGGGGCATTGGTTTTGGCTGACAAAGGGACATGTCTAATTGATGAGTTCGACAA
GATGAATGA

> Mcm2 (MS463)_*Marasmius fiardii*

AAACGGATCATCAAGTCGATCGCACCATCCATATACGGACACGAAGACATAAAGACCG
CCATTGCGCTCTCACTCTTTGGAGGGGTGGCTAAAGATATCAATCACAAACACCGCATT
CGTGGCGATATAAATGTTCTTCTTCTCGGCGACCCGGGTACAGCCAAATCGCAGTTCCT
CAAGTATGTTGAGAAAACAGCACACCGATCGGTGTTTCGCTACGGGTCAAGGTGCATCC
GCGGTTCGGTCTGACGGCCAGTGTTCGCAAAGATCCTATAACCAGGGAGTGGACACTGG
AAGGAGGAGCCTTGGTTCTTGCCGACAAGGGAACCTGTCTCATTGACGAGTTTGACA
AAATGAACGA

> Mcm2 (MS463)_*Mycena crocata*

AAGCGGATCATTAAATCGATAGCGCCATCCATTTACGGTCACGAGGATATTAAGACTGC
CATCGCGCTCTCGCTCTTTGGCGGTGTTCCAAAAGACATTGACCACAAGCATCGTATTC
GAGGCGACATTAACGTTCTCCTTCTCGGCGATCCTGGAACGGCCAAATCGCAGTTTTTG
AAATACGCGGAAAAGACTGCACACAGATCTGTGTTTCGCCACTGGACAGGGCGCATCA
GCCGTTGGTCTCACAGCTAGTGTGCGTAAGGACCCGATCACTCGTGAATGGACGCTCG
AAGGCGGAGCCCTGGTGCTTGCCGACAAGGGCACCTGTCTTATCGACGAGTTCGACA
AGATGAACGA

> Mcm2 (MS463)_*Boletus edulis*

AAGCGCATCATCAAATCTATTGCCCGTCAATATATGGCCATGAAGACATTAGGACTGC
CCTTGCCCTCTCCCTCTTTGGTGGCATCCAAAAGATGTCAAACGAAAGCATCCCATCC
GAGGTGACATTAACGTTCTCCTCCTTGGTGACCCTGGTACAGCAAAGTCTCAGTTCTTG
AAATACGTGGAAAAAACTGCGCATCGGTCTGTCTTCGCCACTGGGCAGGGGGCATCTG
CCGTGGGTCTGACAGCCAGTGTTCGCAAAGATCCCGTCACCCGTGAGTGGACACTCG
AAGGCGGAGCGCTCGTCTTGCCGACAAGGGAACATGCCTTATTGATGAGTTCGATAA
AATGAATGA

> Mcm2 (MS463)_*Amanita muscaria*

AAGCGCATCGTTAAGTCTATCGCACCTTCGATCTTTGGCCATGAAGATATCAAGACTGC
TATCGCCCTTTCGTTGTTTGGGGGCGTATCAAAAAGATATTAATCACAAGCATAGAATCCG
TGCGGACATTAATGTTTTGTTGCTAGGTGATCCTGGAAGTCTAAATCTCAGTTCTTAA
AATATGTAGAGAAGACCGCGCACCGTTCGTTGTTGCAACAGGTCAGGGTGCTTCAGC
AGTTCGGTCTTACAGCCAGCGTTCGCAAGGACCCGGTACTCGTGAGTGGACCCTTGAA
GGCGGTGCACTCGTTTTGGCAGACAAGGGCGTCTGTCTAATTGATGAGTTCGACAAAA
TGAACGA

> Mcm2 (MS463)_*Gautieria morchelliformis*

AAGCGAATCATCAAGTCTATAGCTCCCTCCATCTATGGACACGAAAACATTAAGACAGC
CATCGCACTCTCCCTCTTTGGAGGTGTCGCTAAGGACGTGAATCGCAAGCACCGAATC

CGGGGGGATATTAACATCTTACTCCTGGGGGACCCTGGTACCGCCAAATCACAGTTTCT
CAGATACGTAGAGAAGACGGCCACAGGGCAGTATTCACCACGGGTCAGGGTGCCTC
CGCTGTCGGTTTGACGGCAAGTGTGCGAAAGGACCCCGTTACCAGGGAGTGGACCCT
TGAGGGAGGCGCACTAGTTCTCGCGGACAAAGGAACCTTGCATGATTGACGAATTTGAC
AAGATGAATGA

> Mcm2 (MS463)_*Ramaria acris*

AAACGAATTATCAAGTCCATTGCTCCTTCCATCTATGGGCACGAGAACATCAAGACAGC
CATAGCACTTTTCGCTTTTCGGAGGCGTTGCAAAGGACGTAAACCGCAAACACAGGATT
CGAGGTGACATCAACGTGCTCTTGCTGGGTGATCCCGGTACAGCTAAATCACAATTTCT
CAAATACGTGGAGAAGACCGCACATCGCGCAGTATTCACAACGGGTCAAGGCGCATCC
GCTGTGCGTTTGACAGCAAGTGTACGGAAAGACCCGGTTACTCGTGAGTGGACACTC
GAGGGAGGCGCACTAGTTCTCGCGGACAAAGGAACCTTGCATGATCGATGAATTTGATA
AGATGAACGA

> Mcm2 (MS463)_*Calocera cornea*

AAACGCATCATCAAGTCCATCGCGCCCTCCATCTTCGGACACGACGACATCAAGGCAG
CCATCGCGTTGTGCTCTTCAGCGGCGTGCCCAAGGACGTCAAGGGCAAGCATCGCGT
GCGTGGAGATATCAACATCCTCTTGCTCGGTGACCCGGGCACGGCCAAGTCCCAATTC
CTCAAGTACGTGGAGAAGACGGCGCACAGGGCGGTGTTACGACTGGCCAGGGCGCT
TCCGCCGTCGGTCTGACCGCCAGCGTGCGCAAGGACGCAGCCACGAGGGAGTGGACA
CTCGAGGGCGGCGCGCTCGTCCTGGCGGACAAGGGCGTGTGCCTGATCGACGAGTTC
GACAAGATGAACGA

> Mcm2 (MS463)_*Dacryopinax primogenitus*

AAGCGTATCATCAAGTCCATTGCGCCCTCCATCTTCGGACACGACGACATCAAGGCCG
CCATCGCGCTGTCCCTTTTCAGTGGGGTACCCAAGGACGTCAAAGGCAAGCATCGTAT
TCGTGGAGACATCAACGTGCTTCTGCTGGGTGACCCGGGTACCGCCAAGTCCCAGTTC
CTCAAATACGTGGAGAAGACCGCGTATCGTGCGGTGTTACCAACCGGCCAGGGCGCTT
CTGCAGTCGGTCTCACTGCAAGCGTACGCAAAGACCCAGCAACGCGAGAATGGACAC
TTGAAGGCGGCGCCCTCGTGCTCGCTGATAAGGGGGTGTGTCTGATCGACGAGTTTGA
CAAGATGAACGA

> Mcm2 (MS463)_*Agaricostilbum hyphaenes*

AAGCGCATCATCAAGTCTATTGCGCCTTCCATCTATGGTTCATGAAGACATCCGAACGGC
TCTCGCGCTATCGCTCTTTGGTGGTGTGGCCAAAGACATCAACCGCAAGCACCGTATC
AGAGGCGACATCAATGTCCTGCTGCTCGGTGACCCTGGTACCGCCAAGTCACAATTCC
TCAAATATGTCGAAAAGACTTCCAACCGAGCTGTCTTTGCAACAGGTCAAGGTGCTTC
TGCCGTTGGTCTTACGGCCAGCGTGAGGAAAGACCCAGTCACCAGAGAGTGGACGTT
GGAAGGTGGTGTCTGGTGTGGCCGACAAGGGCGTCTGCCTCATTGATGAGTTTGAC
AAGATGAACGA

> Mcm2 (MS463)_*Asperigillus triticus*

GACAAGATCGTGCGGTCCGTGGCGCCAGCATCTACGGACACGAGGACGTCAAGACG
GCCGTGCGCTGTGCTCTTCGGCGGCGTGCCCAAGAAGCCAGGGCAAGATGTCC

ATCCGCGGCGACATCAACGTGCTCCTGCTGGGTGACCCCGGTACGGCCAAGTCCCAGA
TCCTCAAGTACGTGCGAGAAGACGGCCACCGCGCCGTCTTCGCCACGGGCCAGGGCG
CCTCAGCCGTGGGTCTGACGGCCAGCGTGC GGCGCGACCCGCTGACCAGCGAGTGGA
CGCTCGAGGGCGGCGCCCTGGTGCTGGCCGACCGGGCACGTGCCTGATCGACGAGT
TCGACAAGATGAACGA

> Mcm2 (MS463)_*Neurospora crassa*

GACAAGATCATCAACTCCGTCGCCCCCTTCCATCTACGGACACACCGACATCAAGACCG
CCGTCGCCCTCTCCCTCTTCGGCGGGCGTCGCCAAGCAAGTCGGCGCCCACCACATCCG
CGGTGACATCAACGTGCTGCTCCTCGGGACCCCGGTACCGCCAAATCACAAGTACTC
AAGTACGCCGAAAAGACGGCCACCGCGCCGTCTTCGCCACCGGCCAGGGTGCTTCC
GCCGTGGTCTGACGGCTTCCGTCCGGCGCGACCCGCTCACGTCCGAATGGACTCTCG
AGGGCGGGCCCTCGTCCTCGCCGACAAGGGCACCTGCCTGATCGACGAGTTCGACA
AGATGAACGA

> Mcm2 (MS463)_*Rhizopus microsporus*

AAACGTATTATGAAGAGTATTGCACCTTCCATTTATGGTCATGAAGACATCAAGAGAGC
CATTGCTTTGGCTATGTTTGGTGGTGTGCCAAAGAATATCAAAGGAAAACACATGATCC
GTGGTGATATCAACGTGCTCATGCTTGGTGATCCTGGTACAGCCAAGTCTCAATTCCTC
AAGTATGTTGAAAAGACCGCCATCGTTCGGTCTATACGACCGGTCAAGGTGCCAGTG
CTGTGCGTTTAAACAGCTTCTGTTTATAAGGACCCTGTGACGCGTGAGTGGACCTTGGA
AGGTGGTGCACCTCGTGTGGCTGATCGTGGTGTGTTGTCTGATTGATGAATTTGACAAGA
TGAACGA

> Met6 (FG740)_*Agrocybe pediades*

GGCGTAAGTCCCTGTCAAACCTTGTGGCATCTCTTGCTCATTCCTTTTTTAGTTGCCCC
TCCGTCGCTCTGATTGGGACGCTTACCTCAAGTGGGCCGTCGACTCTTTCAAGCTCGCT
ACTGCCGGTGTTACCGATCAAACCTCCAGACCCACTCCCACTTCTGCTACTCCGACTTCGA
CGACATCTTCCCATCCATCCAACGTCTCGATGCTGACGTTATCTCCATCGAAGCTTCGA
AGAGCGACATGAAACTCCTCAACACCTTCAAGCAATACGGCTACTCT

> Met6 (FG740)_*Mycena crocata*

GGTGACGTTCCATCTTTTATCGTTGCGATTGTGGTGATTGATTATTTTGCAGCTGCCTCT
TCGTGCTCGGACTGGGACGCCTACCTCAAGTGGGCCGTCGACTCGTTCAAGCTCTCC
ACTGCTGGTGTGACCGACAACTCCAGACCCACTCTCACTTCTGCTACTCCGACTTTG
ACGACATCTTCCCCTCCATCCAGCGTCTCGATGCCGACGTCATCTCCATCGAGGGCGTCC
AAGGCCGACATGAAGCTGCTGAACACCTTCAAGCAGTACGGCTACTCC

> Met6 (FG740)_*Stereum hirsutum*

GGTCTCCCCCTTCGTCGCTCTGACTGGGACAGCTACCTCAAGTGGGCTGTGATTCCCTT
CAAGCTCTCTACTGCTGGCGTTACCGATGCTCTCCAGACTCACTCTCACTTCTGCTACT
CCGACTTCGACGACATCTTCCCCTCCATTCAGCGCCTCGACGCTGATGTCATCTCCATC
GAGGCATCGAAGAGCGACATGAAGCTCTTGAACACCTTCAAGCAGTACGGCTACTCC

> Met6 (FG740)_*Coprinopsis cinerea*

GGAGTACGTTTTTGACCTTTGTTATGACTTCAATTCCTGACAACATGGCGCAGTTACCT
CTCCGTCGCGGGGACTGGGACGCCTACTTGAAGTGGGCTGTCGATTCAATCAAGCTCG
CCACCGCCGGCGTCACCGACAAGCTCCAGACCCACTCTCACTTCTGCTACTCCGACTT
CGACGACATCTTCCCCTCCATCCAACGCCTTGACGCTGACGTCATCTCCATCGAGGCCT
CCAAGAGCGACATGAAGCTTCTCAACACCTTCAAGCAGTATGGATATTCC

> Met6 (FG740)_*Dacryopinax primogenitus*

GGTCTTCTCTTCGCCGTGTTGACTGGGATGGCTACCTCAAGTGGGCTGTGGACTCCTT
CCGCCTGTCGACGGCCGGTCTTACCGACAAGACCCAGGCTCACTCCCACTTTTGCTAC
TCCGACTTCAACGATATCTTCCCCTCCATCCTCGCCCTCGATGCTGATGTCATCTCCATC
GAGGCGTCGAAGAGCGACATGAAGCTGCTCAACGCCTTCAAGGAGTTCAGCTACTCC

> Met6 (FG740)_*Calocera cornea*

GGTCTCCCCCTCCGCCGCTCGACTGGGATGCCTACCTCACCTGGGCCGTCGACTCGT
TCCGCCTCTCGACCGCTGGTCTTACGGACAAGACCCAGGCCACTCCCACTTCTGCTA
CTCTGACTTCAACGACATCTTCCCCTCCATCCTGGCGCTGGACGCCGATGTCATCTCCA
TTGAGGCGTCGAAGAGCGACATGAAGCTGCTCAACGCCTTCAAGGAGTTCAGTACT
CC

> Met6 (FG740)_*Fomitopsis pinicola*

GGTCTTCCGCTCCGCAAGGCTGACTGGGACGCGTACCTCAAGTGGGCGCTGCCCTCGT
TCAAGCTCTCGACTGCCGGCGTCTCCGATAGCCTGCAGACGCACTCGCACTTCTGCTA
CTCCGACTTCGACGACATCTTCCCGTCGATTCAGGCCCTCGACGCCGACGTCATCTCCA
TCGAGGCGTCGAAGAGCGACATGAAGCTGCTCAAGACCTTCAAGCAGTACGGATACT
CG

> Met6 (FG740)_*Trametes versicolor*

GGTCTGCCTCTGCGCAAGGCCGACTGGAACGCGTACCTGGCGTGGGCCCTGCCCTCGT
TCAAGATCGCGACCGCCGGTGTACCCGACGCGCTCCAGACGCACTCGCACTTCTGCTA
CTCCGACTTCGACGACATCTTCCCGTCCATCCAGGCTCTCGATGCGGACGTCATCTCGA
TCGAGGCGTCGAAGAGCGACCTGAAGCTGCTCAACACCTTCAAGCACTACGGCTACT
CG

> Met6 (FG740)_*Laccaria bicolor*

GGGGTCGGTAATCCAAAATTTCTCTTTCTGCCGCTAACTTCTGTTTTTCCTAGTTGCCTC
TTCGTCGTTCTGACTGGGACGCGTACCTCAAGTGGGCTGTTGATTCTTCAAACCTTCC
ACTGCTGGGGTCACCGATCAACTCCAGACCCACTCTCACTTCTGCTACTCTGACTTCGA
TGATATCTTCCCCTCCATCCAGCGCCTTGACGCCGATGTCATTTTCGATCGAAGCCTCTAA
AGCTGATATGAAACTGCTCAATACGTTCAAACATTACGGCTATTCC

> Met6 (FG740)_*Phanerochaete carnosae*

GGTGTAAGTTTCATTCACCCTGATATGGGCCTTGACTGATTACTTCTGTATAGCTTCCTC
TTCGCAGGGTTGACTGGGATGCGTATCTCGGTTGGGCTCTTCTTCCCTTCAAGCTCGCC

ACCGCCGGCGTCACCGATGCTCTGCAGACCCACTCCCCTTCTGCTATTCCGACTTCGA
CGACATCTTCAGCTCCATTTCAGGACCTTGACGCCGATGTCATCTCTATCGAGGCCTCGA
AGAGCGACTTGAAGCTGCTCAACACCTTCAAGCGGTACGGCTACTCC

> Met6 (FG740)_*Serpula lacrymans* var. *lacrymans*

GGTGTGAGTAACTCCCATTCTACTTTATGACAGTAATTGAATATTTGCTACAGCTTCCTC
TCCGCCGATCTGACTGGGACGAATATCTCGAGTGGGCAGTCGACACCTTCAAGCTTTC
CACTGCGGGTGTACCGATGCTACCCAGACGCACTCACACTTCTGTTACTCTGACTTTG
ACGATATCTTCCCTTCCATCCAGCGCCTTGACGCTGATGTGATTTCCATCGAGTTCTCCA
AGAGTGATATGAAGTTGTTGCACACCTTCAAACAGTACGGTTACTCC

> Met6 (FG740)_*Hygrophoropsis aurantiaca*

GGCGTGAGTAGACTTTATCTGAAACACGTGATCCTAAGATGCATTTCCCTCCAGCTGCCC
CTCCGTCGCTCTGATTGGGACGAGTATTTGGAATGGGCTGTTGACACGTTCAAGCTGTC
CACTGCTGGTGTACCGATGCTACCCAGACTCACTCCCCTTCTGCTACTCCGACTTCG
GCGACATCTTCCCTTCGATCCAACGCTTTGATGCTGATGTCATCTCCATCGAGTTCTCTA
AGAGCGACATGAAGCTCTTGCAAACCTTCCAGCAATATGGATACTCG

> Met6 (FG740)_*Agaricus bisporus* var. *bisporus*

GGTGTAAGTTGTTTTACCTGTTTTGAAGGATTATAGTGATTGATACTCTGTAGCTTCCCC
TCCGCCGGGCTGACTGGGATGGCTATCTTGAGTGGGCTGTAGACTCTTTCAAGCTTGC
AACAGCTGGTGTCACTGATCAACTTCAGACTCACTCTCACTTTTGCTACTCTGACTTTG
ACGATATTTTCCCGTCTATTCAACGCCTTGACGCTGATGTTATTTTCGATCGAGGCTTCCA
AGAGTGACATGAAACTGCTCAATACCTTTAAGCACTATGGCTATTCC

> Met6 (FG740)_*Pluteus cervinus*

GGTGTAAGCTCTCATTGTAATGCATACTTCATAATTTCTGATGTCACTTTCAGCTTCCTCT
TCGACGTGCCGATTGGGATGCATACCTCAAGTGGGCCGTGGACTCCTTCAAACCTCGCC
ACCGCTGGTGTGGCGACTCTTCAAACCCACTCCCCTTCTGCTACTCTGATTTTCA
TGATATCTTCCCATCGATTCAACGACTTGATGCTGATGTTATCTCCATCGAGGCGTCAA
GAGTGACATGAAGTTGCTTACCACCTTCAAGCAATACGGTTACTCC

> Met6 (FG740)_*Tricholoma matsutake*

GGCGTAAGCGTTTTTAAAGCACTATCTTTCGTGTTAAGGCTAATTGTGTCTAGTTGCCCC
TTCGTCTGTGCTGACTGGGACGCCTATCTCAAATGGGCGGTTGACTCGTTCAAGCTTGCC
ACAGCCGGTGTACTGACCAGTTGCAGACCCACTCTCACTTCTGCTACTCCGACTTTG
GAGACATTTTCCCTTCCATCCAGCGTCTTGACGCTGATGTCATCTCGATAGAAGCTTCC
AAGAGTGACATGAAGCTCATCCAAACTTTCAAGCAGTACGGTTACTCT

> Met6 (FG740)_*Gymnopilus chrysopellus*

GGCGTATGTACATCCTCACTCTGTCTTAAACATCTGCTCAATCATCTACTTAGCTACCCC
TTCGCCGCTCTGACTGGGACAACCTATTTGAAATGGGCGGTCGACTCCTTCAAGCTCGC
AACTGCTGGCGTCAGCGACCAACTTCAAACCCATTCCCCTTCTGTTACTCTGATTTTCG
ACGATATCTTCCCTTCGATTCAGCGTTTGGATGCAGATGTGATTTCCATCGAGGCGTCCA

AGAGCGACATGAAACTCCTCTCGACCTTCAAGCAGTATGGATACTCG

> Met6 (FG740)_*Gymnopus androsaceus*

GGTGTAGGTGTCATCTTACAGCTTTTAAATTTTATTTCATGGATTTGCTCTTTAGCTTCCCCT
TCGTCGCGCAGACTGGGACTCCTACCTGAACTGGGCCGGAAACACCTTCAAGCTCTCG
ACTGCCGGTGTGCGGTGACCACACCCAGACCCACTTCACTTCTGCTACTCCGACTTTG
ACGACATCTTCCCTCAAATCCAGCGTCTCGACGCTGATGTCATCTCTATCGAAGCATCG
AAGAGCGATATGAAGCTTATCAACACCTTCAAGCACTACGGATACTCC

> Met6 (FG740)_*Auricularia delicata*

GGTGTAAGTTTCCATCTATTTCCATAACGTTTAGTTGCTGACGGCGTCCGCAGCTTCCTC
TCCGCCGCGTTGACTGGGACGACTACCTCACTTGGGCTGTGACTCTTTCCGCCTCGC
CACTGCCGGTGTGAGGACAGCACGCAGACGCACTCGCACTTCTGCTACTCGGACTTC
AACGACATCTTCCCGTCCATCCAGCGCCTCGACGCGGACGTCATCTCGATCGAGGCGT
CGAAGAGCGATCTGAAGCTGCTCGACGCGTTCAAGCAGTACGGCTACTCG

> Met6 (FG740)_*Fomitiporia mediterranea*

GGTGTATGTATTAAGCACTTATATACATAGCATATTGACTTCGCTCTTCCCAGCTCCCCT
CCGTCGCGCTGACTGGGATGACTACCTCCGCTGGGCCGTGGACACTTTCAAGCTCGCA
ACAGCTGGTGTCTCCGATGCCACGCAGACACACTTCACTTCTGCTACTCAGACTTCA
ACGACATCTTCCCTTCCATTACAGCGCCTTGACGCGGATGTCATCTCCATTGAGGCGTCC
AAGAGCGACATGAAGTTGCTTGCTGCCTTCAAGGCATACGGTTACTCG

> Met6 (FG740)_*Marasmius fiardii*

GGTGTAAGTTTTTCGTCATGTGGTAATGTTCTGATTGTTCTGATCGTGTATAGCTTCCTC
TTCGTCGCGCGGACTGGGACAACCTTGGATGGGCCGGGAATACCTTCAAGCTCTC
CACCGCTGGTGTCAAGGATGAGACCCAAACCCACTTCACTTCTGCTACTCCGACTTC
GACGACATCTTCCCCCAGATCCAGCGCCTCGATGCTGATGTTATCTCCATTGAAGCGTC
CAAGAGTACTTGAAGCTTATCAAAACCTTCAAGCACTACGGGTACTCC

> Met6 (FG740)_*Boletus edulis*

GGCGTAAGTTGATTCGAAAGATAAACGCGTGAGCTCTCTGACATCCATGCTAGTTGCCT
CTTCGTAGATCTGACTGGAATGAGTACCTCGGATGGGCTGTGCACTTTCAAGCTTGC
TACGGCAGGTGTCGAAGATGGAACCTCAGACTCATTCCCATTCTGCTACTCCGACTTCG
GCGATATCTTTACGTCCATTCAACGTCTTGACGCTGATGTCATTTCCATCGAGTTCTCAA
AGAGCGACATGAAATTGTTGCATACCTTCCAGCAGTACGGCTATTCC

> Met6 (FG740)_*Amanita muscaria*

GGTGTAAGTGATAGCGTTTCAGGCACCGTACGCTTGCTAACAACCTTTCAGCTTCCTCT
CCGCCGCGTAGACTGGGATGCATACCTTAAATGGGCTGTTGACTCCTTCAAGCTTTCCA
CTGCAGGTGTCACCGACAAATTGCAAACGCATTTCGCACTTCTGCTACTCCGACTTTGA
CGATATCTTCCCATCGATCCAGCGGCTCGATGCTGATGTCATCTCCATCGAAGCTTCCA
GAGTGACATGAAACTCCTCAACACTTTCAAGGCTTACGGCTATTCA

> Met6 (FG740)_*Ramaria acris*

GGAGTAAGCGTTTGTCAACTCATCCTATTGTATTTACGTTTACTTTTCTTCAGCTACCCC
TTCGCCCGCTGCGACTGGGATAACTACCTCACCTGGGCCGTCGACTCCTTCAAGCTGTC
CACAGCAGGTGTCACCGATGCATTGCAAACCCACTCTCACTTTTGGCTACTCAGACTTTA
ACGATATCTTCCCGTCAATCCAACGTCTCGATGCTGATGTTATTTCCATTGAGGCTTCGA
AGAGTGATCTTAAACTCCTCAGTGCCTTCAAACAGTTTGGTTACTCT

> Met6 (FG740)_*Gautieria morchelliformis*

GGGGTGCGTGTCTTGGCCTGATTAGCAATACTCACGTTATTCTCCGTTTACAGTTGCCG
CTTCGTCGCGTAGATTGGGACAACCTCACCTGGGCTGTCGACTCATTTAAACTTGC
CACTGCTGGTGTACCCGACTCTTTGCAGACTCACTCTCACTTCTGTTATTCGGATTTC
ATGATATCTTCCCCTCGATACAGCGTCTTGATGCCGACGTCATCTCTATCGAAGCTTCTA
AGAGTGACCTTAAGCTCCTTAGCGCCTTTAAGGAGTTCGGCTATTCCG

> Met6 (FG740)_*Lactarius quietus*

GGTTTGCCCTCCGTCGCGCAGACTGGGATAACTACCTCAAGTGGGCCGTCGACTCGT
TCAAGTTGTCGACCGCGGGTGTAAGCGATGCCTTACAGACCCACTCACACTTCTGCTA
CTCGGACTTCGGCGATATCTTCCCTTCGATCCAGCGATTGGATGCAGATGTCATCTCGAT
TGAGGCTTCTAAAAGTGACATGAAGCTAATCACCACGTTTAAACACTACGGATACTCG

> Met6 (FG740)_*Asperigillus triticus*

GGTCTGCCCCTGCGCGGCACCGAGCGCGAGAAGTACCTGCAGTGGGCCGTC AAGGCC
TTCCGCCTGGCCACCGCCGGCGTACCGACGGCACCCAGATCCACTCCC ACTTCTGCT
ACTCCGAGTTCCAGGACTTCTTCCACGCCATCGCGGCCCTGGACGCTGACGTGCTCTC
CATCGAGAACAGCAAGTCGGACGCCAAGCTGCTCAAGGTCTTCATCGACGAGGCCTA
CCCC

> Met6 (FG740)_*Neurospora crassa*

GGTCTCCCTCTCCGTGGTCAGGAGCGTGAAGCCTACCTCAAGTGGGCTGTCGACTCCT
TCAAGCTCGCCACCGCTGGCGTCGAGA ACTCCACTCAGATTCACTCTCACTTCTGCTA
CTCTGAGTTCCAGGACTTCTTCCACGCCATCGCTGCCCTTGATGCCGATGTCCTCTCCA
TCGAGA ACTCCAAGTCTGATGCCAAGCTCCTCAAGGTCTTCATTGACGAGGAGTACCC
C

> Met6 (FG740)_*Agaricostilbum hyphaenes*

GGTCTGCCTCTCAGACGCTCCGACTGGGACGCCTACTTGACCTGGGCCGTCGACTCGT
TCCGTCTGTCCACCGCTGGTGTGCGCGATGACACTCAGACTCACTCGCACTTCTGCTAC
TCTGACTTCAACGCCATCTTCTCGCACATTGCCCGCCTTGACGCCGATGTCATCTCCAT
CGAGGCCTCAAAGAGCTCCCTCAAGCTGCTCGATGTCTTACATCTAACAAGTACTCT

> Met6 (FG740)_*Rhizopus microsporus*

GGTTTGCCCATCCGTCGTGCTGATTGGGAAGCTTATCTCGAATGGTCTGTTGCCTGTTT
CCGTTTGTCTACTGCTGGTGTCCGTGACGAAACTCAAATCCACACTCACATGTGTTACT

CTGACTTTAACGATATCTTTGGTGCCATTACTGCTTTGGATGCTGATGTTATCACTATTGA
AAACTCCAAGTCTGATGAACGTTTGCTTCAAGTCTTCCAAACTCAAGGATATCCT

>Ppt1 (MS417) *_Agrocybe pediades*

CGTACTTATGGCTTTGAAGGAGAGGCAAAGCATAAACACGGAGAGCAGGCATATAAGG
TTCTTCGAGCTCAATTTATCGTCTTTTCATTGTTGAATAACTGGACAAACAGCTTTTCGCC
CATGTCTTCACATGCTGTGAGTAATCTTTTGACCGATCAAGGGAATGGTGCTTAAAACG
ATTTCTAGTGCCGCTGGCCACACTTGTCAAGTGCGACGAAGCCTCCAGCGACCAAGGAC
AATCTATTCTTTCTCCAGAAGGCCGTAGACGTTTCTTTGTCGTTACGGTGGCTTG

> Ppt1 (MS417) *_Serpula lacrymans* var. *lacrymans*

AGGACGTATGGCTTCGAAGGTGAAGCGAAGCACAAGCATGGAGAACAAACCTACAAG
GTTTCGCTACTTAATATAGAGCACAGACACTATTTGACATTTTAATCAAGCTCTTTGCA
TACGTTTTTACGACTTGTAAGATAACAGTGTTTCATATGGAATGCTAATTAAGGACCTAAT
TTGCCCTCTAGTACCGCTAGCTACACTGGTTAGCGCCACCAAGCTGCCTGCGACGCCTG
ACAAGGCCCGCCATTCTATCACCAGAAGGGCGAAAACGTTATTTTGTGCTTCATGGTGGT
CTC

> Ppt1 (MS417) *_Hygrophoropsis aurantiaca*

CGCACATATGGCTTTGAAGGTGAAGCGAAGCACAAGCACGGAGAACAAACATACAAG
GTATACCTCTCCAATATTCATCGCCTATAGTCAAATATCTCACTGATCATTCAACCTTCA
GCTGTTTCGCGCATGTTTTACGACGTGTATGCTCATTGATCCATTACAGCTTATTCCA
TTCTCAATTACATTCACATTTCCCTACTAGTACCACTTGCAACCTTGGTCTCTGCTACGC
AGCCTCCTTTGACTCGAAGCCCAAATACGATTCTCTCGCCTGAAGAACGAAAGCGATA
TTTTGTGCTGCACGGTGGCCTG

> Ppt1 (MS417) *_Gymnopilus chrysopellus*

CGCACATATGGCTTTGAAGGCGAGGCAAACACAAACATGGAGAGCAATCGTACAAG
GTAGGCGTCAAGTTTTTTTTTCCGTAATTCGAATTTATCTTCGTTTCAGCTATTCGCCCAT
GTCTTCACTACCAGTAAGTCACCGTTGTGTTTCATTTGATCAAACAACAGGGCATATTG
AAGATTGCTACAGTGCCATTGGCCACTCTTATCAGTGCAACTCAATCCCCTTCTTCTAA
AGACGATGCTATCCTTTTCGCTCAAGGCTTCAAGCGCTTCTTCGTGGTTCACGGAGGCT
TG

> Ppt1 (MS417) *_Phanerochaete carnosae*

CGGACGTACGGCTTTGAGGGTGAGGCGAAGCACAAGCATGGCGAGCAAACGTACAAG
GTACGTTAGATGCTATATCGTATCTGGGAGTTCTCACTAACCTGTCTCCTAGTTGTTCCG
TCATGTCTTCACAGCCAGCAAGTCGCACTCCTTGTGAATTAGATCACGACTCTGACATT
CCAGTTCTACAGTGCCACTGGCAACCCTGATCTGTGCGACTAAACCTCCGTCATCACCT
TCGAAGAGCGCGATCCTGTACCTGAGGGCAAGAAGCGGTTCTTCGTTGTGCACGGC
GGCCTA

> Ppt1 (MS417) *_Trametes versicolor*

CGCACGTACGGCTTTGAGGGCGAGGCGAAACACAAAGTTTGGCGAGCAATCATAAAG
GTCAGTGCACCATCTTCTCGACAGATAGGAATTTTCGCTGACACGCCCAACAGCTCTTC

GCGCACGTATTCACAGCCAGTAAGCAGCTTGGCGCTAGTCTCGCGCGGAATGAATGGGT
ACTGAGCTCGTCTTGTAGTGCCCTTGTCCACCCTCGTTTCCGCAACCCAGCCGCCAGTA
GCGTCCGCAAAGAAAGCCATCTTGTGCGCCGAGGGTCGCAAGCGGTATTTTCGTCGTGC
ACGGCGGACTG

> Ppt1 (MS417) *Fomitopsis pinicola*

CGTACGTATGGCTTCGAAGGTGAAGCGAAACACAAGCATGGCGAGCAGACGTATAAG
GTGCGACCTCCGCTTTGGCAATGCACGTGCTACTATCTGACTCCATCTTCGTGCTTCGA
GCTATTCGCACATGTCTTCACCGTCAGTGAGTATTCATTGGTGTATACTCACTTGGAAGC
CTCTGACCACGCTACCAGTGCCCCCTTGGCACCCTTGATCTGCGCGGAGAAGCCGCCGGA
AGGGCCTTACCTGGCGCTATTTTGTGCGCCAGAAGGCCGTAAACGCTATTTTGTGTAC
ATGGCGGTCTA

> Ppt1 (MS417) *Schizophyllum commune*

CGCTCCTACGGCTTCGAGGGCGAAGCGAAGACAAAGCACGGCGAGCAGAGCTACAA
GCTGTTTGGCGCATGTCTTCACTACATGTGAGTTCTACCTTTGAACGCCGACATGGGGCT
CTACTGACAATAATATCAGTACCTCTCGCTACCCTAATATGCGCCTCGAAGCCGCCACC
GAGCCCTGGGAAGGCTATTCTATCATCAGACGGCAAAAAGCGGTACTTTGTGTCGTGCAC
GGGGGCCTC

> Ppt1 (MS417) *Mycena crocata*

CGATCTTATGGGTTTGAAGGCGAGGCGAAACACAAACACGGCGAACAGACCTACAAG
GCGCGTTTGTCTGTTTTTATTCACCTTGCAACTGATTTAATCAACGCAGCTCTTCGC
ACACGTTTTACGACATGTGAGTCGT
ACTTGCATTCTCCACCCTGGGATATGAACCTGAGTCATATCTAGTGCCGCTGTCCACGC
TTCTGAGCGCAACAAAACCACCGCCGAATCAAGCCGGCAGCCCTATCTTATCGCCGCA
GGGATTAAGCGGTACTTCGTGTCGTTTCATGGAGGGCTC

> Ppt1 (MS417) *Stereum hirsutum*

CGGACGTACGGGTTTCGAAGGCGAAGCGAAACACAAGCATGGCGACCAAACCTTACAAG
GTAAAGACTTTTCGCTGTCGTGACTGTCGCGGTACTTCACTGAGAATTTTTACTACAGCT
CTTTGCCCATGTCTTCACTGCCAGTTCGTTTTTCCATTCCATTGATGCTGCATAAACGTC
AGACTCATCATGCATTGCTGCAGTGCCTTTGGCATCTCTTATAAGCGCAACCAAGCCAC
CAATCTCGTCGAGGGTGCTATCCTATCTCCAGACGGCCTCAAACGGTACTTCGTGCTG
CATGGAGGTCTC

> Ppt1 (MS417) *Lactarius quietus*

CGTACATATGGGTTTCGAGGGCGAGGCGAAACACAAGCACGGAGAACAAACATACAAG
GCAAGTCCCATCGCATCGCTTGATCGAGCATCCCATTAACAGTATTCTTCTCAAGCTCT
TCGCTTATGCATTTACCGCCCGTCTGTTCCCTTGCCGCTCTCTCCGTCTGGGATTCTGCTG
ACAGACCTTAGTGCCTCTCGCCACCCTTGTGAGCGCAACGCTACCTCCTGCTAAGAAA
CAGGATGTGATTCTTTCTCCCGATGGCTTTAAGCGGTACTTCGTACGCATGGAGGCCT
C

> Ppt1 (MS417) *Laccaria bicolor*

AGAACATATGGCTTTGAAGGCGAGGCCAAAACACAAACACGGAGAACAGTCATACAAG
GCCAGTCTCCTACTCCATCCACACTTCTTGGTAGACTTACCGTGAAACGCACAGCTTTT
TGCTCATGTCTTTACGACCTGTCAGTTCGAGTTGCAGTCGAAAATTATCCCCACATTT
GGCTTATATGTTCTAGTGCCGCTCGCTACCCTTGTGTCCGCAACGAAACCACGCCCCC
GAAGGAAAGGATAAACGCTATTCTTTCCGCCAGATGGTCTAAAAAGGTTCTTTGTTGTGC
ACGGTGGACTA

> Ppt1 (MS417) *Gymnopus androsaceus*

AGCACATATGGCTTTGAAGGTGAAGCGAAACATAAACACGGCGACCAGTCATACAAGG
TACGCGTTATTGTTCTCTTGGAAACCTACGTCTCATCAACGTACATTTCCAGCTGTTCCG
CCACGTCTTTACCACATGTGAGTCTACTTATCCCCGACGTTTAGTTACATTGTTTAGCTC
CATCTATAGTACCTTTGGCCACACTCATCTGCCCCACCAACCTCCTCGCATTAAAGAAA
GCAAATGATATTCTCTCACCAGAAGGAAAGAGACGCTTCTTTGTGCTACACGGAGGTT
TG

> Ppt1 (MS417) *Tricholoma matsutake*

CGGTCTATGGATTTGAAGGGGAAGCCAAGCATAAGCACGGAGAACAATCATAACAAGG
TTTGCACCACGTCGACCGCTCTCTGATTAACTATTAATACCATTAAAGCTTTTTGCCTAT
GTTTTACTACATGTGAGCCTCTTTATAGAAGATATATGCTCTCTGGCACACACTAACGT
TTTTCCCTTTAGTACCCTCGCAACCCTCATCAATGCCACCCAAGTGCCTCTCGCGAAG
AAAAGTCCTAACGCCATCCTTTCACCGCAAGGATATAAACGATACTTGGTTCGTTACGG
AGGGCTG

> Ppt1 (MS417) *Agaricus bisporus* var. *bisporus*

CGGACATACGGTTTCGAAGGCGAAGCCAAGCAAAAACACGGTGACCAGAGTTACAAG
GTGAGTCGAAAATCAATGTACATCGCGCCACGCTCATGACATTATAAGTTATTTGCGCA
CATATTCACCACCTGTATGTCGACTCATTTTCTTCTTACTTTATACTCATCGTTGACA
GTGCCTTTGGCAACTCTGGTGAGCGGTACCAAGCCTCCAACGACCAAGGAAGCCGCC
GGTGCCATACTCTCACCTGATGGATTCAAACGGTATTTTCGTTGTTTCATGGTGGTTTG

> Ppt1 (MS417) *Boletus edulis*

CGGACGTATGGCTTCGAAGGAGAAGCCAAGCATAAGCATGGGGAACAGACGTACAAG
GTGAGGCGATTTAAAGCATTCTTTTCAGAGACTGAGTTGCCAAACATAGCTTTTTGCC
ATGTATTTACGGAGAGTGCCTGGCTCGATCGAAGGCTAGATATCATATGAGAATCTGAA
CCTTCACACAGTGCCACTGGCAACTCTTATCAGCGCAACCACCCCATCCAAGGACGTC
ACTTCGAAAACAATATTATCTCCGAAAAGCTCAAACGTTATTTGTTGTCCATGGCGG
GTTG

> Ppt1 (MS417) *Marasmius fiardii*

AGCACGTATGGATTCGAGGGTGAAGTCAAGCATAAACATGGGGACCAGACCTACAAG
GTCAGTTCAGTCTTTGTTTTCTGTCAATGAACCACAACGCTGACACTTCGAAAGCTCTT
CGCATACGTATTACAACGCGTAAGTGGATTTGTTGAGCATATTAGAGCCCCCTTTGAA
CAGACCATGCGCAACTCAGTACCTTTGGCAACCCTCCTTAGTGCAGCAAAAACCACCAA

TTTCAAAGACGCCTCAAACAATCCTGTCACCTCAGGGTACCAAACGATACTTCGTCGT
GCATGGTGGCCTC

> Ppt1 (MS417) *Pluteus cervinus*

CGCTCCTATGGCTTCGAGGGCGAAGCGAAGCACAAACATGGGGAACAGACATTCAAG
GCATGTTTTTCCGTTACATGTGTTCACTCAGTCCCAGTGACTCACATAAACTAACACATA
TAGTTATTCTCTCATGTGTTACAGCAAGTGAGTCCCATCAAGTCAAGTCCGGGTGTCG
TTCTAAGATTGGCAAGTACCCCTGGCCACCCTTTTGAGCGCCACCAAAGCACCATCAG
AAAGTGAAGCAAAGAAGTCGATCCTGTCACCAGAAGGCTTTAAACGGTATTTTCGTGGT
TCACGGTGGATTG

> Ppt1 (MS417) *Auricularia delicata*

CAGATGTACGGCTTCCAGGGCGAATGCGAGAAGAAGAGTGGAGAGCTTTCGTACAAG
GTGAGCGCGCATTGCTGCGCTTCATGAACAAAACCTGAAAGCAGATCTAGCTCTTTACG
CATGTGTTACCTCATGTAAGTTCCATG
AACGCCAATGCAGCATTGGCTCAATCTATCTGATAGTGCCGCTTGCAACGTTAATCTC
TGCAACAAAGCCGGCGACGGGGCGGCGCTGAACAGCAACCCGATTCTGTCGTCGGA
TGGGCGGAAACGGTTCCTTCGTTGTGCACGGCGGCCTA

> Ppt1 (MS417) *Gautieria morchelliformis*

TCGGTCTACGTCAGTCCGTTCCGTTGTTTCCTTATATATCTCCAATCCATTCATGAGTGCTT
CAGGGTTTTGAGGGTGAGGCGAAGCACAAAGCACGGCGAACTGACATAAAGGTGTGT
CGTCTCATCTAACAATGAATCTTGGGCATTGCTGATGACGTTGTCTAGTTGTTTGCTCAC
GTATTCACGGCCCTGCCGTTGGCGACCCTGGTCTCCGCATCACTTCCGCCTACTCCTTC
AGAGAAACCAACTATTCTCTCTCCTGAGGGTCGGAAGCGCTATTTTGTGTACATGGCG
GGCTG

> Ppt1 (MS417) *Ramaria acris*

TCAGTTTATGTCTGTGTTTCATCTTATTGATAGAGCTCAATCCATTCATACATTCTCCAGGG
CTTTGAGGGCGAAGCAAACACAAACATGGAGAAGTACATAAAGGTATGCGTTCCCT
CTACCCAGGCTGTCAGTGTCTGATAGAAGAAATACTACATCTAGTTATTCGCTCATGTAT
TCACAGCTCTACCATTAGCGACTTTGGTTTCGGCGTCTTTACCATCCACGTCCTCAAAG
ACGCCGATTATTTTATCCCCAGAAGGCCGAAAGCGGTATTTTGTAGTACACGGCGGCCT
A

> Ppt1 (MS417) *Neurospora crassa*

AGGGTGTATGGCTTCGAGGGCGAGTGCAAGCACAAAGTACAATGAGAGGTAAGCGAGT
CGAACTCTTTGCGCCCATTTATGCGACATCCTGAATTTTCGAGCACACACCAGCTGACAC
ATCTCACCTTCTTCCAGAACCTACAAGCTCTTTTCGGAAAGTTTCTCGGCCCTCCCGC
TCGCCACGTTGATTGGCAAGAAGTTCCTCGTCTCCACGGCGGTCTC

> Ppt1 (MS417) *Asperigillus triticus*

AAGGTGTATGGATTTCGAAGGCGAGTGCCGGGCCAAATACAACGAAACGGTCTTCAAG
GTCTTCTCCGAGTCTTCTCCGCCCTGCCCTGGCTACGTTGATCGGCAACAAGTATCT

CGTCCTCCACGGCGGTCTC

> Ppt1 (MS417) *Calocera cornea*

AAGGTGTACGGGTTTGAGGGGGAGTGCAAGCATAAACTCGGGGAGATGACTTACAGC
GTGCGCATGTCTGGATGGAGTTCGTGGTGCCCTGGCTGACCATCACGCAGCTCTTCGA
GGACGTCTTACC GCACTGCCGCTAGCCACGCTCATCTCTTGCACGCTCCCTCCCACAC
CCGAGCCCTCAAAGCCAATCCTCTCAGCAGAAGGAAAGAAGCGGTTCTTCGTAGTAC
ACGGTGGCCTC

> Ppt1 (MS417) *Rhizopus microsporus*

AAAGTATATGGTTTTGAAGGCGAAGTAAAGGCAAAGTTTAGTGAAATGATGTTTAAATT
ATTTTCAGAAACATTCAATGCCTTACCACTGTCTCATGTTGTTGAAAACAAGATATTCGT
GACCCATGGTGGCTTA

> Pre8 (MS429) *Agaricus bisporus* var. *burnettii*

ACGCAATCTGGGTAGGACGAATGAGTTTTTTGAGTTTTCACTCTTTCGCTATCCCAGCGG
TGTC CGACCTTTCGGTGTCTCCTTATTAGTCGCCGTTGGGACATTAACCGTGGCCCAT
CATTATATCAGGTAGACCCGTCAGGATCATTCTGGGCGTGGAAGGCCAGCGCGATTGGT
AAAAATATGATCAATGCAAAGACGTTCTTGGAGAAA

> Pre8 (MS429) *Schizophyllum commune*

ACGCAGTCAGGGT GCGTAGCCCTAATGATAACTGTGTGAATGTGACCTAACCTATAGAG
GTGTCCGACCATACGGTGTCTCCTTGCTCGTCGCAGGCTGGGACAGCAATCGCGGCC
TTCCCTGTACCAGGTTGACCCGTCAGGGTCGTTCTGGGCATGGAAGCGAGCGCGATA
GGGAAGAACATGGTCAATGCGAAGACGTTCTTGGAGAAG

> Pre8 (MS429) *Laccaria bicolor*

ACGCAATCCGGGTGAGACCCTTGGAATAAATTAACCTTCCGCATGCTGATGTGCAGTTTAG
AGGAGTAAGGCCATATGGTGTTCATTACTAGTCGCAGGCTGGGACAGTCATCGTGGCC
CGACGCTATATCAGGTGGACCCCTCAGGATCTTATTGGGCATGGAAGGCAAGCGCTATA
GGGAAAAACATGTTGAACGCAAAGACATTTTTTGAAAAA

> Pre8 (MS429) *Coprinopsis cinerea*

ACCCAATCCGGGTGAGGACCCTTGTGACATTTGATTAACCTTCTGTCAGCGCTGCCCTTA
GAGGTGTACGCCCTTACGGTGTTCATTGTTAGTGGCAGGATGGGATAGTCATCGAGGG
CCAACATTTGATCAGGTTGATCCATCAGGGTCATTCTGGGCATGGAAGGCCAGTGCGAT
AGGGAAGAATATGGTGAACGCGAAGACTTTTTTGAAAAA

> Pre8 (MS429) *Agrocybe pediades*

ACCCAATCAGGGTACGTGTAAGCGCTGATTACAAATGATATTGCTGATACGTGACTCAG
AGGAGTGAGGCCCTATGGTGTCTCACTGCTTGTGGCAGGTTGGGATACTCACCGCGGT
CCTACGCTATATCAGGTTGATCCTTCTGGATCGTTTTGGGCCTGGAAGCCAGTGCTATT
GGTAAGAATATGGTCAATGCTAAGACATTCCTGGAGAAA

> Pre8 (MS429)_*Gymnopilus chrysopellus*

ACTCAGTCAGGGTAAGACTCAAAGCGAATCCATGGGATCGTCATTGATTTCGCGGTGCA
GAGGTGTGCGGCCATACGGCGTGTCTTATTGGTGGCTGGTTGGGACACTCATCGAGG
ACCGCAACTCTATCAAGTTGATCCTTCCGGTCTTTCTGGGCATGGAAAGCGAGCGCTA
TTGGTAAAATATGGTAAACGCTAAGACATTCTTGGAGAAA

> Pre8 (MS429)_*Tricholoma matsutake*

ACACAATCTGGGTATGGCTTTCCTTTATTCATCGGACTTCATTTCATTGGAGAGTAGAGG
AGTGCGGCCGTATGGAGTGTCACTTGTCTGCAGGATGGGATATCAACCGCGGCCCA
ACGTTGTATCAGGTAGATCCGTACGGTCTTTTGGGCGTGGAAAGCCAGTGCCATCG
GGAAGAATATGGTCAATGCGAAAACCTTTCTAGAAAAA

> Pre8 (MS429)_*Hygrophoropsis aurantiaca*

ACGCAATCTGGGTAGCACTGCTCCTTAACCCTGACAAATTTGACTCACAATTTTCATCAA
GGGGTGTACGACCATATGGTGTATCTCTCCTTGTTCAGGCTGGGACTCACACCGGGGT
CCAAGTCTATTTCAAGTCGATCCTTCAGTTTCGTTCTGGGCGTGGAAAGCCAGCGCCAT
TGAAAAAACATGGTCAACGCTAAAACGTTCTTGGAAAAA

> Pre8 (MS429)_*Gautieria morchelliformis*

ACTCAATCAGGGTTAGTCCCTCCCCACGCATGAAAGATCATCTAAGTGATACCTTAGA
GGTGTACGACCGTATGGCGTGTCTTACTCGTGGCAGGTTGGGATGCAAATCGTGGAC
CGAGTTTGTACCAAGTTGACCCCTCTGGATCATTCTGGGCCTGGAAAGCCAGCGCAAT
AGGAAAGAACATGGTCAACGCTAAAACCTTTCCTCGAGAAG

> Pre8 (MS429)_*Ramaria acris*

ACACAGTCTGGGTCTGTGCATCCCATCATTCTACTTTCGCATACACATCATTTCAGAGGT
GTCCGACCTTATGGTGTATCGCTACTGGTCGCCGGCTGGGATGCAAACCGCGGTCCGA
GCTTATAACCAAGTTGATCCATCCGGCTCGTTCTGGGCATGGAAAGCTAGTGCCATAGGC
AAAAACATGGTCAATGCCAAGACCTTCCTTGAGAAA

> Pre8 (MS429)_*Lactarius quietus*

ACTCAATCTGGGTACGCTTTCGACGTGACCCTCATAGCGATTGAATGGAATATTTGGCA
GTGGCGTACGGCCCTATGGTGTTCCTACTGCTCGTAGCGGGATACGACCAAACCGGGG
ACCGACGCTTACCAAGTCGACCCCTCTGGCTCATTTTGGGCGTGGAAAGGCTAGCGCG
ATAGGGAAAAATATGACCAACGCAAAGACATTTCTTGAGAAA

> Pre8 (MS429)_*Calocera cornea*

ACGCAGTCTGGGTACGTGACGTGGTAATGCAGGTTTAAATGGCTTCGTAGTGGTGTGA
GGCCTTTCGGTGTATCGCTGCTGGTTGCTGGGTGGGACGATCATCGTGGACCCTCGCTC
TACCAGATCGATCCTTCCGGTTCGTTCTGGGCGTGGAAAGGCGAGCGCAATAGGGAAGA
ACATGGTCAACGCGAAGACGTTCTTGGAAAAA

> Pre8 (MS429)_*Amanita muscaria*

ACACAATCCGGGTAGGCTTGCCCTCTAATTCCAATAATTTTATTAGTGGGGTCCGGCC
ATATGGTGTATCACTTGTCTGCAGGCTGGGATATCACCCGCGGACCAACCCTTACC

AGGTAGATCCTTCTGGATCCTTCTGGGCATGGAAAGCGAGCGCAATAGGCAAGAACAT
GGTGAATGCCAAAACCTTTCTTGAGAAG

> Pre8 (MS429)_*Phanerochaete carnosae*

ACACACTCAGGGTACGCTGTGTGATTGTCGTGACTCATCAAGCTATTTAGAGGTGTGAG
GCCATATGGCGTCTCACTGCTCGTGGCAGGCTGGGACTTCAACCGAGGACCCACGTTG
TATCAGGTTGACCCATCGGGATCCTTCTGGGCGTGGAAAGCGAGTGCATTGGCAAGA
ACATGGTCAATGCAAAGACGTTCTTGAGAAG

> Pre8 (MS429)_*Auricularia delicata*

ACACAGTCCGGGTAAATCACCATTATTACCGTTCCGCGCACGATAAAACGCGGGTTGC
AGCGGTGTTCCGGCCATTCCGGCTCTCGCTGCTGGTCGCGGGCTGGGACGCACACCGG
GGCCCGAGCCTTACCAGGTGGACCCGTCGGCTCCTTCTGGGCGTGGAAAGGCCAGC
GCTATCGGCAAGAACATGGTGAACGCGAAGACGTTCTTGAGAAG

> Pre8 (MS429)_*Stereum hirsutum*

ACGCAATCAGGGTACCCACTCTCCGAGTCTTTGAGGTGGTGTAAATGGTGTGACTCGC
AGTGGTGTCCGGCCTTATGGGGTTTCTTTGCTCGTTGCCGGTTTCGATACGAACCGAGG
TCCAACCTATACCAGGTTGATCCATCAGGATCCTTTTGGGCCTGGAAGGCCAGCGCGA
TAGGAAAGAATATGACCAACGCAAAGACGTTTTTGGAGAAG

> Pre8 (MS429)_*Trametes versicolor*

ACACATTCCGGGTACGTTCTGTGTTGCCTTTCACAGGCGGTCTGATAATTTGAAACA
GCGGAGTGCGGCCATACGGCGTATCCCTCTTGGTTGCGGGATGGGACATAACCCGAGG
GCCGTGCTTGTACCAGGTTGACCCTTCAGGTTTCGATTGGGCGTGGAAAGGCCAGCGCG
ATCGGAAAGAACATGGTAAACGCGAAGACGTTCTTGAGAAG

> Pre8 (MS429)_*Serpula lacrymans* var. *lacrymans*

ACGCAATCCGGGTGTGTTTTGACCTTGATCGCTTTAATGTTGACCGAGTGTGTGATTTA
GAGGTGTGCGACCGTTTGGTGTATCGCTGTTGGTAGCAGGATGGGATAACAACCGGGG
GCCTAGTCTGTACCAAGTAGATCCATCTGGCTCATTCTGGGCCTGGAAGCCAGTGCTA
TTGGCAAGAACATGACAAACGCGAAGACATTCTTAGAGAAA

> Pre8 (MS429)_*Rhizopus microsporus*

ACTCAAAGCGGGTAAGCGAGAAAGGAAAAAAGAATTTTGACCACTTAATCATTCATAT
AGTGGTGTTCGTCCATTTGGTGTCTTCTATTTTGATTGCAGGATATGATGAGGTGAACGG
ACCAGCACTCTATCAGGTCGATCCCACTGGATCTTACTTTGCATGGAAGGCCAGTGCTA
TTGGTAAGAACATGATTAATGCAAAGACGTTCTTGAAAAAG

> Pre8 (MS429)_*Neurospora crassa*

ACGCAGTCCGGAGGTGTCCGCCCTATGGTGTCTCGCTGCTGATCGCCGGCTGGGACG
TGAAGGGCGGCCCATGCTGTACCAGGTCGACCCCTCGGGCAGTTATTTCCCTTGAA
GGCGACGGCCATTGGCAAGAACGCCACGACGGCCAAGACCTTTTTTGGAGAAG

> Pre8 (MS429)_*Asperigillus triticus*

ACCCAATCCGGTGGTGTGCGGCCGTACGGTGTGAGTTTGTCTGATCGCGGGGTGGGACG
TCAAGGGCGGCCCGAGTCTCTACCAGGTTGACCCAGCGGCAGTTACTACCCGTGGAA
GGCGACGGCCATCGGCAGACACGCGACGAGCGCCAAGACGTTCTCTGGAGAAG

> Crm1 (MS442)_*Amanita muscaria*

ATGGTCAAGCCAGAAGAGGTGAGCGGAAATTCATATGGTGCACGATCAAAGGTTCTTA
TTGTGGAAAACGATGAAGGAGAAATTGTCAGAGAATTCATGAAAGAAAGCGACACCA
TTGTTCTATAAAGTCCATGCGACAGTTACTCGTTTATCTAACTCATCTGGATGTCCAAG
ATACCGAGAACATCTTGACCGAGAAGCTCGCCAAACAAGTTGACGGTACAGAGTGGT
CTTGGAACAATCTGAACACACTGTGTTGGGCTATAGGATCGATTTCTGGAGCAATGA

> Crm1 (MS442)_*Agrocybe pediades*

ATGGTGAAGCCGGAGGAGGTTAGTTGTCTTCTCTATCCTTTTTTCGTGTCAGGTTCTAATT
GTTGAGAATGACGAAGGTGAAATCGTTCGTGAATTCATGAAGGAGAGCGACACCATCG
TCTTGTACAAGTCGATGCGCGAACTACTAGTTTACCTTACCCATCTTGACGTGGGTGAC
ACTGAAACCATCCTTACGGAGAAGTTGGCCAAGCAAGTGGATGGGTCCGAGTGGTGC
TGGAACAACCTTAAACACTCTTTGCTGGGCTATCGGTTCAATTTCTGGAGCTATGA

> Crm1 (MS442)_*Gymnopilus chrysopellus*

ATGGTGAAGCCTGAGGAAGTAAGTTTCTTTGAACTTGACGCGCCGGTCTAGGTTCTTAT
CGTGGAGAACGACGAGGGTGAATCGTCCGTGAATTCATGAAGGAGATCGATACAATC
GTTTTGTACAAGTCTATGCGCGAATTACTCGTGTACCTCACGCATCTTGACGTGCAGGA
TACCGAGACAATTCTCACAGAGAAGTTGGCAAAGCAGGTCGATGGATCAGAATGGTCA
TGGAACAATCTCAATACCCTTTGCTGGGCCATTGGCTCTATCTCCGGTGCTATGA

> Crm1 (MS442)_*Laccaria bicolor*

ATGGTCAAGCCAGAGGAGGTTAGTCGTTTCAATATTGGTTTTTCGACTTCAGGTCCTGAT
TGTTGAGAATGACGAGGGGGAGATCGTCCGAGAGTTCATGAAGGAGATCGATACCATT
GTAATGTATAAGTCAATGCGTGAATTTCTGGTCTACCTCACCCATCTCGACGTCTCAGA
CACAGAACTATCCTCACAGAGAACTTGCGAAGCAGGTCGATGGGTCTGAATGGTGC
TGGAACAACCTCAATACCCTTTGCTGGGCTATCGGCTCTATCTCCGGTGCTATGA

> Crm1 (MS442)_*Coprinopsis cinerea*

ATGGTGAAGCCCGAGGAGGTGTGTCACAAAGGGAACATGCATCATTCTAGGTCTTGA
TCGTTGAGAACGACGAAGGTGAAATTGTTTCGCGAGTTCATGAAGGAGAGTGACACCA
TCGTGCTCTACAAGCCATGAGGGAGCTCCTTGTATTCTTACCCACTTGACGTCAAC
GATACCGAAACCATCTTGACGGAAGCTGGCCAAGCAAGTGGACGGATCTGAATGG
TCATGGAACAACCTTGAACACCCTGTGTTGGGCGATTGGTTCCATTTCCGGCGCCATGA

> Crm1 (MS442)_*Phanerochaete carnosae*

ATGGTGAAGCCTGAGGAGGTGCGCCATCCGCCACAGACTATTTGGACAAAGGTTCTCA
TCGTCGAGAACGAGGAGGGAGAGATTGTACGTGAGTTCATGAAGGAGAGTGACACCA

TTGTCCTCTACAAGCAGATGCGCGAACTACTTGTGTACCTCACCCACCTGGATGTTCAA
GACACCGAGACCATTCTCACGGAGAAGCTTGCCAAGCAAGTGGACGGCTCCGAATGG
TCGTGGCAGAACCTCAATACTCTGTGCTGGGCTATTGGATCCATATCCGGCGCCATGA

> Crm1 (MS442)_*Fomitopsis pinicola*

ATGGTCAAACCCGAGGAGGTAGGTGGCCGGTTCGTTCTATACGACAGCGTAGGTGCTCA
TCGTCGAGAACGAGGAGGGCGAGATCGTCCGCGAGTTCATGAAGGAGAGCGACACCA
TCGTTCTCTACAAGTCAATGCGCGAACTGCTTGTCTACCTCACCCATCTCGACGTCAAC
GACACGGAGAACATCCTTACGGAGAAGCTTGCTAAGCAAGTTGATGGGTTCGGAGTGG
TCCTGGCAGAACCTCAACACGCTATGCTGGGCTATAGGCTCGATTTCTGGTGCCATGA

> Crm1 (MS442)_*Schizophyllum commune*

ATGGTCAAGCCCGAAGAGGTTACGCCACCATCCTGCTGCTTTTCATGCCAGGTTCTCGT
TGTCGAGAACGACGAGGGTGAGATCGTTCGTGAGTTCATGAAGGAGAGCGACACCAT
CGTGCTATAACAAGTCTATGCGCGAGTTGCTGGTTTACCTTACTCACTTGGACGTCAATG
ACACGGAGACCATCCTCACGGACAAGCTCGCAAAGCAGGTCGACGGCTCAGAATGGT
CATGGAACAACCTCAACACGCTATGCTGGGCTATTGGCTCGATATCGGGCGCCATGA

> Crm1 (MS442)_*Auricularia delicata*

ATGGTCAAGCCCGAGGAGGTGCTCGTCGTCGAGAACGACGAGGGCGAGATCGTGCGC
GAGTTCATGCGCGAGAGCGACACGATCATGTTGTACAAGTCCCTGCGCGAGTGCCTTG
TCTACCTCACACACTTGGACGTCCAGGACACCGAGGCTATCCTCACGGAAAAGCTCTC
AAAGCAGATTGACGGTACCGAGTGGTCCTGGAACAACATCAACAGACTCTGCTGGGC
GATTGGCAGCATCTCCGGCGCGATGA

> Crm1 (MS442)_*Stereum hirsutum*

ATGGTCAAGCCTGAAGAGGTGAGTGTTTAATATGTCTCCTCGTGATTCTAGGTTCTGGT
CGTTGAGAACGAAGAAGGAGAGATTGTTTCGAGAGTTCATGAAGGAGTCGGACACCAT
CGTGCTCTACAAGTCTATGCGCGAACTTCTCGTTTACCTCACCCATCTGGACGTCTCGG
ATACGGAGACGATCCTCACAAGTAAGCTGGCGAAACAAGTCGACGGCGCGGAGTGGT
CGTGGGGAAACCTTAACACTCTTTGCTGGGCCATTGGTTTCGATATCTGGTGCCATGA

> Crm1 (MS442)_*Trametes versicolor*

ATGGTCAAGCCCGAAGAGGTGCGTTCAATCCCGCTGAGTTTGTGACTACAGGTCCTCA
TTGTCGAGAATGAGGAGGGCGAGATCGTCCGTGAGTTCATGAAGGAGAGCGATAACCAT
CGTGCTGTACAAGTCGATGCGTGAGCTCCTCGTGTACCTCACTCACCTGGACGTCAAC
GACACCGAGAACATTCTTACCGAGAAGCTGCAGAAGCAGGTCGACGGCTCCGAGTGG
TCGTGGCAGAACCTCAACACGCTGTGCTGGGCAATCGGTTCTATCTCGGGAGCGATGA

> Crm1 (MS442)_*Lactarius quietus*

ATGGTGAAGCCTGAAGAGGTTTCGATTTCTTCCCTTCATTCATTGCTGCAGGTCCTCAT
TGTCGAGAACGATGAGGGTGAAATTGTTTCGTGAATTCATGAAAGAGTCGGACACCATC
GTCCTTTACAAATCAATGCGCGAGCTTTTGGTCTATCTCACCCATCTAGACGTCTCCGAT
ACCGAAAACATTCTTACCGAGAAGCTTGCGAAACAAGTCGACGGCTCAGAATGGTGC

TGGCAAATTTAAACACATTGTGTTGGGCCATTGGGTCAATTCAGGGGCGATGA

> Crm1 (MS442)_*Pluteus cervinus*

ATGGTGAAGCCTGAAGAGGTATGGTTTCCACGTACTCATCCAGGTACTCATCGTCGAAA
ACGATGAGGGTGA AATTGTTTCGCGATTTCTGAAGGAAATCGATAACAATCGTCCTCTAC
AAATCCATGCGGAACTTTTGGTTTATCTTACCCATCTTGACGTTAATGACACGGAAAC
CATCCTAAACGAGAAGCTTGCGAAACAAGTAGACGGTTCTGAATGGTCGTGGAATAAC
TTGAACACCCTCTGCTGGGCTATTGGTTCGATCTCTGGCGCCATGA

> Crm1 (MS442)_*Mycena crocata*

ATGGTAAAACCTGAGGAGGTGCGTTTCTATGTTCTGTGTTTATTAGACAAGGTTTTGAT
CGTGGAAAATGACGAGGGTGA AATCGTGCGGAATTCATGAAGGAAAGCGACACTAT
CGTCTTGATACAAGTCGATGCGAGAGCTGCTTGTATATCTTACCCATCTGGACGTGTCAG
ATACAGAAAACATACTTACAGAGAAGCTTGCGAAACAAGTGGACGGGTTCGGAATGGT
CATGGAACAATCTGAACACGCTATGCTGGGCTATCGGTTTCGATATCAGGAGCCATGA

> Crm1 (MS442)_*Tricholoma matsutake*

ACGGTTAAGCCCGAAGAGGTGCGTGCTGGTTCTATGTGGAGATGAATATAGGTGCTCAT
TG TAGAGAACGAGGAAGGAGAGATCGTCCGAGAATTCATGAAAGAGAGCGACACAAT
AGTGCTATAACAAGTCTATGCGCGAGCTGCTTGTCTATCTTACGCATCTTGACGTGGTAG
ACACGGAGACGATACTAACGGAGAAGCTCGCGAACCAGGTTCGACGGCTCAGAGTGGT
CATGGAACAACGTGAACACGCTCTGCTGGGCTATCGGCTCCATATCTGGCGCTATGA

> Crm1 (MS442)_*Gymnopus androsaceus*

ATGGTGAAGCCGGAGGAGGTGACTATGATTTCGATTCTATTTCAGGTGCTCATTGTCGAGA
ACGAAGAAGGAGAAATCGTTTCGAGAGTTCATGAAAGAGAGTGATACTATTGTCCTCTA
CAAGTCCATGCGGAACTTTTGGTCTATCTTACGCATCTGGACGTGGCTGATACTGAGA
CTATCCTCACCGAAAAGCTCGCAAACAAGTCGATGGCTCCGAATGGTCATGGAACAA
CCTCAATACCCTTTGTTGGGCAATTGGTTCATATCTGGCGCCATGA

> Crm1 (MS442)_*Marasmius fiardii*

ATGGTGAAGCCAGAAGAGGTGAGATTTCGGAATAGCTTTTATTTTCATTTTCAGGTTTTGAT
TGTCGAAAACGAGGAAGGAGAAATTGTCCGCGAATACCTGAAGGAGACCGATACTATC
GTTCTGTACAAGTCTATGCGTGAATTGCTTGTGTACCTTACCCACTTGGATGTTTCCGAT
ACCGAGAACATCCTTACCGAAAAGCTGTCCAAACAGGTTCGATGGATCTGAATGGTCTT
GGCAGAATCTCAACTCTTTGCTGGGCAATAGGTTCAATATCCGGTGCAATGA

> Crm1 (MS442)_*Boletus edulis*

ATGGTCAAACCAGAAGAGGTGAGGGCCTCCGTTTATTTCGACAGGTTCTCATCGTTGAA
AATGATGAAGGCGAAATTGTCCGGGAGTTCATGAAGGAGTCCGATACCATCGTTCTCTA
CAAGCAAATGCGTGA AACTTCTGGTATATCTCACCCACCTAGACGTCTGTTGACACAGAA
AACATCCTGACGAAAAGTTGGCCAAGCAAGTTGACGGCTCGGAATGGAGCTGGCAA
AACTTGAACACACTCTGCTGGGCCATTGGTAGTATCTCCGGAGCCATGA

> Crm1 (MS442)_*Hygrophoropsis aurantiaca*

ATGGTGAAACCTGAGGAAGTGAGTGTGCATAAATCATTGGAAATAAATCTAGGTCCTCAT
TGTCGAAAATGACGAAGGCGAGATTGTCCGCGAGTTCATGAAGGAGTCGGATACTATC
GTGCTCTACAAGCAAATGCGTGAACCTTCTGGTTTACCTCACACATCTGGACGTCGTGGA
TACGGAAAATATCCTTACTGAAAACTCGCAAAGCAAGTCGATGGTTCCGAATGGAGT
TGGCAAATCTCAACACTCTTTGCTGGGCTATCGGCAGTATTTCTGGCGCTATGA

> Crm1 (MS442)_*Fomitiporia mediterranea*

ATGGTCAAGCCGGAAGAGGTAGTCCAGTCTTTCGCCTGTAGAAGACTCCAGGTCCTCG
TCGTGGAGAATGACGAAGGTGAAGTTGTCCGCGAGTTCATGAAGGAGAGCGATAACCAT
TGTCCTCTATAAGTCTATGCGTGAACCTTCTCGTGTATCTGACACATCTGGACGTTCTCGA
CACGGAAAATATCCTGACGGAGAAGCTTGCAAAGCAAGTCGACGGTTCCGAATGGTC
GTGGAATAACCTCAATACTGTGCTGGGCCATCGGTTCTATTTCTGGAGCTATGA

> Crm1 (MS442)_*Agaricus bisporus* var. *burnettii*

ATGGTGAAACCAGAGGAGGTGCGTACTTATCGACAGCACTTGTTTCATCAGGTCTTAAT
CGTCGAAAATGAAGAGGGAGAGATTGTGCGTGAATTCATGAAGGAGGGCGATAACAATC
TCTCTTTACAAGTCCATGAGGGAGTTACTCGTTTACCTGACGCACTTGACGTTACGGA
CACAGAGACTATTCTCACTGAAAACTTGCCAGACAGGTTGATGGATCTGAATGGTCT
TGGAATAACCTCAATACTCTCTGTTGGGCCATCGGTTTCGATTTTCAGGTGCCATGA

> Crm1 (MS442)_*Serpula lacrymans* var. *lacrymans*

ATGGTCAAACCAGAGGAGGTATGTGTGTTTCATATTTAATTTTTTGTCTAGGTTTTGATT
GTCGAAAACGAAGAAGGAGAAATCGTGCCTGAATTCATGAAAGAAAGCGATAACCAT
GTCCTTTACAAGTCGATGCGCGAACTTTTGGTGTACCTTACACATTTGGACGTCGTTGA
TACTGAGAATATTCTACCGAAAAGCTGGCGAAGCAAGTCGATGGTTTCAGAGTGGTCT
TGGCAGAATCTAAACACACTATGCTGGGCTATTGGTTCTATCTCTGGAGCGATGA

> Crm1 (MS442)_*Dacryopinax primogenitus*

ATGGTCAAGCCGAGGAAGTTCTCATCGTAGAGAACGAAGAAGGCGAAATCGTCCGC
GAAGTCATGAAGGAGACGGACACCATTGCACTGTATAAATCAATTCGAGAGGTGCTCA
TCTACCTCACTCACTTGACGTCATGGATAACCGAGAATGTCCTGACCGAGAAGCTCGC
GAAGCAGGTAGATGGTAGCGAGTGGTTCGTGGAACAATCTGAATACACTCTGCTGGGCT
ATAGGCTCTATCTCTGGATCGATGG

> Crm1 (MS442)_*Calocera cornea*

ATGGTCAAGCCGGAAGAGGTTCTCATTGTTGAGAACGAGGAGGGAGAGATCGTCCGC
GAGGTTATGAAGGAGACGGACACGATCGTCTCTACAAGTCGATTCGGGAGGTGCTCA
TCTACCTCACGCACCTGGACGTTATGGACACCGAGAATGTCCTACCGAAAACTTGC
AAAGCAGGTGGATGGCAGCGAGTGGTTCGTGGAACAACCTGAACACGCTCTGCTGGGC
TATCGGTTCCATCTCTGGGTCCATGG

> Crm1 (MS442)_*Agaricostilbum hyphaenes*

ATGGTCAAGCCTGAAGAAGTGCTGGTTCGTGGAGAATGACGAGGGCGAGATTGTGCGA
GAATTCATGAAAGAGATTGACACCATTGTCCTGTACAAGCAGATGCGTGAAGTGCTGG

TCTACCTCACCCACTTGGACGTGCAAGACACGGAGATTATCATGACGGATAAGCTGGC
CAAGCAAGTCGATGGCAGTGAATGGTCATGGGCC
AACTGCAACACTCTATGCTGGGCCATTGGGTCCATCTCGGGTGCTATGA

> Crm1 (MS442)_*Neurospora crassa*

ATGGTGCGCCCGAAGAAGTCCTCATTGTTGAGAACGACGAGGGGCGAGATTGTCCGC
GAGTTTGTCAAGGAAACCGACACTGTCCAGCTTTACAAGACCATCCGCGAGTGTCTCG
TTTATCTCACCCATTTGGATGTGGTCGACACCGAGCAGATTATGACCGACAAGCTCGCA
CGCCAAGTCGATGGATCCGAATGGTCATGGCACAACACTGCAACGTTCTCTGCTGGGCTAT
TGGTTCTATTTCTCTCGCCATGA

> Crm1 (MS442)_*Asperigillus triticus*

ATGGTACGCCCGAAGAGGTCTTGATCGTCGAGAATGACGAGGGAGAGATCGTTCGCG
AGTTCGTCAAAGAAAGCGATACTATCCAGCTGTATAAGACGATACGCGAATGTTTGGTT
TATCTTACCCATCTCGATGTTGTTGACACGGAGAACATCATGATCGAGAAGCTAGCCAA
GCAGGTTGACGGATCCGAATGGTCGTGGGTTAATTGCAACACACTTTGTTGGGCAATC
GGATCGATCTCGGGTGCCATGA

> Crm1 (MS442)_*Rhizopus microsporus*

ATGGTTAAGCCAGAAGAAGTAAAGAGATTTATATAGAACACATATAATTAGGTATTGATT
GTCGAAAATGATGAAGGTGAAATTGTCAGAGAATTTGTAAAGGAAAGTGATACTATTG
TGTTATAACAAGAGTATGAAGCAAGTCTTGGTGTACTTGACTCATCTTAACGTTGAAGAT
ACGGTGAACATCATGACAGTTAAATTGACAAAAAAGATGGATGGAACCTGAATGGTCTT
GGAACAATTTGAATAAATTGTGTTGGGCAATTGGTTCGATCTCTGGTGAATGG

> Cdc47 (MS456)_*Agaricus bisporus* var. *bisporus*

GCCAAGTCCCAACTTCTCAAATTTATGTCAAAAATCGCTCCTCGAGGGGTTTACACTAC
TGGGAAAGGATCATCCGGAGTTGGCCTTACGGCCGCTGTCATGCGAGATCCGGTCACC
GATGAGATGGTTTTAGGTACGTTTGTCAAGATTATGCCGCAAGTTCATTTAGCTAAAATT
AGGACAGAGGGTGGCGCTCTTGTCCTTGCTGACAATGGCATCTGTTGTATTGACGAATT
TGACAAGA

> Cdc47 (MS456)_*Schizophyllum commune*

GCCAAGTCGCAGCTGCTGAAGTATATCTCGAAGGTGCGCCTCGTGGTGTATACACCA
CGGGCAAGGGTTCGTCAGGCGTTGGTCTCACTGCTGCAGTTATGCGCGACCCGGTAAC
GGACGAGATGGTGTGGGTATGTGCTTCTCACCTTTGCCTTTACCACTGACGTCGCTGA
CATTGTCGTAGAGGGTGGCGCGCTCGTGCTCGCGACAATGGCATCTGCTGCATTGATG
AATTCGACAAAA

> Cdc47 (MS456)_*Fomitopsis pinicola*

GCAAAATCTCAGTTGCTCAAGTATATCTCCAAGGTGCGCGCCGCGTGGCGTGTATAACAAC
CGGCAAAGGTTTCATCAGGCGTTGGTCTCACTGCAGCAGTGATGCGAGACCCTGTTACG
GATGAGATGGTACTCGGTAAGGACTGCGCTGCGTTTTCTGTGATCATGGCTGACTTCAT
GGCAGAGGGTGGCGCACTCGTGCTTGCTGACAACGGCATTGCTGCATTGATGAGTTC

GATAAGA

> Cdc47 (MS456)_*Coprinopsis cinerea*

GCCAAATCGCAGTTACTCAAGTATATCTCCAAGATTGCTCCTCGAGGAGTCTACACCAC
AGGCAAGGGCTCCTCGGGCGTTGGACTCACTGCTGCTGTCATGCGGGATCCTGTGACG
GATGAGATGGTCCCTCGGTAAGCATTCCGATTGTTACACTGACTGCTTCCAACCTTACTC
CTGTCAACAGAGGGTGGTGTCTCTCGTCCCTCGCAGACAACGGCATTGCTGCATTGACG
AATTTGACAAAA

> Cdc47 (MS456)_*Auricularia delicata*

GCTAAGTCGCAGTTGCTCAAGTACATCTCCAAGGTCGCTCCCCGTGGCGTGTATACGAC
GGGCAAGGGTTCTTCGGGCGTCGGTCTTACCGCTGCTGTCATGAAGGACCCAGTCACG
GAGGAGATGGTGTCTGGTGTGAGTTGTTTCAATTCAACTGCTTTGCACCTGCTCATTGTTG
GTAGAGGGTGGTGCCTTGTCTGGCCGACAACGGTATCTGCTGCATCGATGAATTTCG
ACAAGA

> Cdc47 (MS456)_*Lactarius quietus*

GCGAAATCGCAGTTGCTGAAGTATATATCAAAAAGTGGCTCCTCGAGGTGTCTACACAA
CCGGAAAGGGTTCATCCGGCGTTGGTCTAACAGCCGCTGTCATGCGGGACCCGGTGAC
AGATGAGATGGTCTCGGTGCGTTTCTCATTGTCTCAGATATCTTATTCAGTTGCTGACAAT
GTTGCAGAGGGCGGCGCGCTCGTCTTGGCAGACAATGGTATATGCTGTATCGATGAGTT
CGACAAGA

> Cdc47 (MS456)_*Phanerochaete carnosae*

GCAAAGTCTCAGCTACTGAAGTACATCTCAAAGGTCGCCCCGAGAGGTATTTACACCA
CTGAAAAGGCTCTTCCGGCGTTGGTCTCACCAGCCGTCATGCGGGATCCCGTAC
GGATGAGATGGTCCTAGGTAAGCATCTTCATTCTTCAGCTTAAACGTCTACTCACATGG
ACATGCAGAGGGAGGTGCACTTGTCTGGCGGACAACGGAATTTGCTGCATTGACGAG
TTCGACAAGA

> Cdc47 (MS456)_*Calocera cornea*

GCCAAGTCCCAGCTGCTCAAGTACATTTGAAAAGTCGCCCCAAGAGGCATCTATACCA
CCGGCAAGGGTCTTCCGGTGTGCGTCTTACTGCTGCGGTGATGCGTGATCCTGTTACG
GATGAGATGGTCCCTGGTACGTACTCCGTCCAGCTTCATGTAGCAGCGTGCTCAAGGAT
CATCAAGAGGGCGGTGCACTCGTCCCTGCGGACAACGGTATTTGCTGCATCGACGAGT
TCGACAAGA

> Cdc47 (MS456)_*Dacryopinax primogenitus*

GCCAAGTCGCAGCTCTTGAAATATATCTCGAAGGTGGCACCGAGAGGTGTCTACACCA
CCGGGAAAGGTTCTTCTGGTGTGGTCTTACTGCAGCAGTAATGCGTGATCCGGTGAC
TGACGAAATGGTCCCTGGTAAGCCCCACACATCTGTAGGGGATCAATGTCTCATTTC
ACCTCAGAGGGCGGTGCCCTTGTCTCGCCGATAATGGCATTGTTGCATCGATGAATT
CGACAAGA

> Cdc47 (MS456)_*Tricholoma matsutake*

GCCAAGTCCCAACTGCTCAAGTACATTTCGAAGATTGCTCCTCGAGGGGTTTATACAAC
TGGAAAGGGTCTTCTGGTGTGGGTCTTACCGCCGCTGTCATGAGGGATCCTGTCACC
GATGAGATGGTTTTGGGTCAGTCCTTCTGTCACGTTCCAGTTGATACATTTGTGATTGTG
AAACTCGACAGAGGGAGGAGCGCTTGTCTTGCTGACAATGGCATATGTTGCATCGAC
GAATTCGACAAGA

> Cdc47 (MS456)_*Stereum hirsutum*

GCCAAATCTCAGTTGTTGAAGTATATTTCGAAGGTTGCTCCTCGAGGGGTGTACACGAC
GGGCAAGGGTTCGTCGGGAGTCGGTCTGACTGCCGCTGTCATGCGCGATCCAGTAACA
GACGAGATGGTCTTGGTGCCTTTCTTACTGGACTTAATCGCGACTGATGGCTAACGA
AGGGATTTTCAGAGGGAGGCGCACTTGTCTCGCAGATAATGGTATTTGCTGTATAGAC
GAGTTTGACAAGA

> Cdc47 (MS456)_*Trametes versicolor*

GCCAAGTCGCAGCTCCTCAAGTACATCACCAAGGTCGCTCCTCGCGGAGTGTATACCA
CCGGTTCGTGGTTCGTCGGGCGTCGGCTTGACTGCTGCCGTCATGCGCGACCCAGTTAC
CGACGAGATGGTCTTGGTACGTTTCGTTCTTACGACACATTTGTAGATGGCCACTGACG
TCTTTGGGGCAAAAGAGGGCGGCGCTCTCGTCTTGCTGACAACGGCATCTGTTGTAT
CGATGAGTTCGACAAGA

> Cdc47 (MS456)_*Mycena crocata*

GCTAAATCTCAATTAATCAAAATATATCTCCAAAATTGCGCCTCGCGGTGTTTACTACT
GGAAAAGGTTCTTCGGGAGTCGGTCTTACAGCCCGCGTGATGAGAGATCCCGTCACGG
ACGAGATGGTGCTGGGTACGTTTCTCTTTTCGGTAACCTCGAACAGCAACTGAATATTG
GATACAGAGGGCGGAGCCCTCGTCTCGCTGACAATGGTATCTGCTGTATCGACGAGTT
CGATAAAA

> Cdc47 (MS456)_*Laccaria bicolor*

GCGAAATCGCAACTGCTGAAATATATATCCAAAATCGCTCCTCGAGGTGTTTATACCAC
CGGAAAGGGATCGTCAGGAGTCGGTCTTACCGCTGCCGTTATGCGGGATCCCGTCACG
GACGAGATGGTGCTAGGTACGTGAATCTATTTCAATCATTCACAATCTAATATCTTTT
GAACCTCAGAGGGTGGAGCATTGGTCTTGGCGATAACGGAATTTGCTGCATTGATGA
ATTCGACAAGA

> Cdc47 (MS456)_*Pluteus cervinus*

GCCAAGTCGCAGTTGTTGAAGTATATTTGAAAATTGCACCGAGAGGCGTCTACACCA
CTGGAAAGGGTTCATCAGGCGTTGGTTTGACGGCCCGTCATGCGAGACCCTGTCAC
GGATGAGATGGTCTCGGTATGTTTCATCAGGAATAAAGCTCGACTTATTTCTGACGA
CACATCTAGAGGGTGGTGCTCTCGTCTTGGCGATAACGGCATATGCTGTATCGATGAG
TTCGACAAGA

> Cdc47 (MS456)_*Serpula lacrymans* var. *lacrymans*

GCCAAATCTCAATTGCTCAAATACATCTCGAAAATCGCACCCAGAGGAGTATATACCAC
CGGTAAAGGTTCTTCAGGGGTTGGTTTGACCGCAGCAGTCATGCGTGATCCTGTCACG

GACGAGATGGTATTAGGTATGGCATTTCCTATCAGCAACCAGTTCATCATACTTATTA
TTTGTAGAGGGAGGTGCTCTCGTCCTGGCCGATAACGGAATCTGTTGTATTGATGAAT
TCGATAAAA

> Cdc47 (MS456)_*Gymnopilus chrysopellus*

GCGAAATCTCAATTATTGAAATATATCTCGAAAATTGCACCCAGAGGTGTCTACACAAC
TGGCAAAGGCTCGTCGGGTGTGGTTCGACGGCCGCTGTGATGCGCGACCCTGTTACA
GATGAAATGGTGTAGGTTTGTAGCCCCCTCTAAGACTTCTGATCATACTAATTCTAC
TTCCAGAGGGTGGTGTCTTTGTTCTTGCTGACAATGGTATCTGTTGTATCGACGAGTTC
GACAAAA

> Cdc47 (MS456)_*Gymnopus androsaceus*

GCTAAATCGCAGTTGCTGAAGTATATCTCGAAGATTGCCCTCGCGGAGTCTACACTAC
CGGAAAAGGTTCTTCTGGTGTGGGCTGACCGCAGCGGTTATGCGAGACCCTGTAACC
GACGAGATGGTCTTGGGTTTGTGCTTACCAGTCGTCTGGCTCTCGGATAATACTGATGT
TCGATTGCAGAGGGTGGTGCACCTCGTACTAGCCGATAACGGTATCTGCTGCATCGATGA
ATTCGATAAGA

> Cdc47 (MS456)_*Agrocybe pediades*

GCCAAGTCCCAGCTACTGAAATATATCTCAAAAGTTGCACCGAGAGGCGTTTATACCAC
TGGAAAAGGTTCCCTCAGGCGTCGGTTTGACAGCTGCCGTCATGCGAGATCCAGTCACG
GACGAGATGGTATTAGGTGAGTTCGACGGAGGGTCATACTATAATAACATGTTTGACAT
TTTCTTTTAGAGGGAGGAGCCCTCGTACTTGCAGACAACGGTATTTGCTGCATCGACGA
ATTTGACAAAA

> Cdc47 (MS456)_*Hygrophoropsis aurantiaca*

GCTAAATCACAGCTTCTGAAGTATATATCCAAAATCGCACCCAGAGGCGTGTACACCAC
TGGAAAAGGTTCTTCGGGCGTAGGTTAACTGCCGCTGTCATGCGAGATCCCGTGACG
GACGAGATGGTACTAGGTGCGTCCGCGTCCGCGATCGATGCCCTGAACCTCCACTCCT
AACCATGCATCTGTTGCATTCCCTCAGAGGGCGGGCGCACTAGTCCTAGCTGACAACGGC
ATATGCTGTATCGACGAGTTCGACAAGA

> Cdc47 (MS456)_*Boletus edulis*

GCCAAGTCACAACCTGCTCAAGTATATCTCCAAGGTTGCCCCGCGTGGTGTGTACACCA
CGGGTAAGGTTCCCTCCGGCGTTGGTCTCACAGCTGCTGTCATGCGAGATCCGGTCAC
GGACGAAATGGTTCTTGGTAGGTAATTTGGCCTATGAAGTATACATATTGACGTGAATG
AGTTCAGAGGGTGGCGCTCTTGTGTTGGCTGACAATGGCATCTGTTGCATTGATGAGTT
CGACAAAA

> Cdc47 (MS456)_*Gautieria morchelliformis*

GCAAAGTCGCAGCTGCTCAAGTATATTTCCAAGGTGGCTCCTCGTGGAGTTTACACGA
CAGGAAAAGGCTCGTCTGGCGTTGGTCTGACGGCCGCTGTCATGCGAGATCCTGTGAC
GGATGAAATGGTCTTGGGTACGTTCTCAGCTATTGCCCGACTCTTGAATGACCTCTCG
ACAGAGGGCGGAGCACTGGTTCTGGCCGATAACGGAATATGTTGCATTGATGAGTTCCG

ATAAGA

> Cdc47 (MS456)_*Ramaria acris*

GCTAAGTCTCAGCTGCTGAAGTATATTTCAAAGGTGGCACCCCGTGGAGTATATACTAC
AGGCAAGGGCTCATCTGGCGTTGGTTTGACGGCTGCAGTGATGCGGGACCCGGTGAC
GGACGAAATGGTTTTGGGTGCGTCCCTAGAGCGGTACGGATTGTCTCACTGATCAACA
TTCTGGTAGAGGGTGGAGCACTGGTCCCTTGCCGATAATGGAATCTGCTGCATTGATGAG
TTTGACAAAA

> Cdc47 (MS456)_*Amanita muscaria*

GCAAAGTCGCAGTTGCTCAAGTATATTTCCAAGGTGCTCCACGTGGTATTTACACGAC
AGGAAAGGGTTCATCTGGCGTAGGATTGACAGCCGCTGTCATGCGCGATCCTGTCACG
GACGAGATGGTCCCTAGGTTAGCTTCGCACTATTCATGGCTAACTGCAAGGCTGACAA
GGCTTAGAGGGAGGCGCATTGGTTCTGGCTGACAACGGAATATGTTGTATAGACGAATT
CGACAAGA

> Cdc47 (MS456)_*Marasmius fiardii*

GCCAAGTCTCAACTTCTTAAGTATATATCGAAAATCGCACCTCGTGGAGTGTACACCAC
AGGAAAGGGTTCGTCTGGGGTCGGTTTGACGGCTGCGGTTATGAGAGACCCGGTTACA
GATGAGATGGTGTCTCGGTGAGTACTATATCCAGTTATTGGAAAACCACTTCGGCTTACA
AGCAACCTAGAGGGCGGCGCCCTCGTACTCGCCGACAACGGAATCTGTTGCATCGATG
AGTTCGATAAGA

> Cdc47 (MS456)_*Rhizopus microsporus*

GCCAAATCCCAGTTATTAAAGTTTATTGCCAAGGTAGCACCCAGAGGTGTATACACGAC
CGGTAAAGGTTTCATCTGGTGTAGGTTTAAACAGCTGCTGTGATGAAAGACCCTGTGACA
GATGAGATGGTGTGGAAGGAGGTGCTCTTGTCTTGCTGATAATGGTGTGTTGCTGTAT
TGATGAATTTGACAAGA

> Pdb1 (FG855)_*Agrocybe pediades*

CAAGCCATTGATCAAATTGTAAACTCTGCTGGAAAGACATATTACATGTCCGGTGGAAA
CGTTCCTTGCCCAGTTGTGTTCCGTGGTCCCAACGGCGCCGCCGAGGTGTTGCTGCT
CAGCATTCTCAAGACTACGCTGCATGGTACGGTTCAGTTCCTGGTCTCAAGGTTGTCAG
CCCGTGGAGCGCAGAAGACTGCAAAGGTCTTCTGAAGGTACGTTGACGCTGTCCTTAC
TGCATTTATTGACTCATCATCTAAACTAGTCTGCCATCCGC

> Pdb1 (FG855)_*Schizophyllum commune*

CAGGCCATTGACCAGATCGTCAACTCCGCCGGCAAGACGTACTIONTACATGTCTGGTGGCA
ACGTGCCCTGCCCGGTCGTCTTCCGTGGCCCAACGGTGCCGCTGCAGGTGTCGCCGC
GCAGCACTCGCAGGACTACGCATCGTGGTACGGCCAGGTGCCTGGCTTGAAGGTCGTT
TCCCCGTGGAGTGCGGAGGACTGCAAAGGGCTTGTGGAAGGTAGGCATCACCTTCCATG
TTGTACCACTTCTGCATGGCACCTCTGTTAGTCTGCCATCCGT

> Pdb1 (FG855)_*Mycena crocata*

CAGGCGATTGACCAAATCGTCAACTCGGCCGGCAAGACGTA CTACATGTCCGGCGGAA
ATGTACCCTGCCAGTCGTTTTCCGCGGTCTAACGGTGCCGCCGCTGGTGTCCGGC
ACAGCATTTCGAGGATTACGCTGCTTGGTACGGGTCCGTTCCCGGGTTGAAGGTCGTT
AGTCCGTGGAGCGCAGAGGACTGCAAGGGCCTGCTCAAGGTACGTATCCCTTCGAAA
GTGTTTCCTTCAACATGTTCCCTATCCCGCAGTCCGCTATCCGC

> Pdb1 (FG855)_*Stereum hirsutum*

CAGGCCATTGACCAGATCGTGA ACTCGGCCGGAAAGACATACTACATGTCCGGCGGGA
ACGTCCCCTGCCCTGTCGTCTTCCGTGGTCCGAACGGTGCCGCCGCTGGTGTCCGGCGC
TCAGCACTCGCAGGACTACGCGTTCGTGGTATGGTCAGATTCCCGGTTTGAAGTCGTC
AGCCCGTGGAGTGGGAGGATTGTAAAGGTCTGCTCAAGGTATGTGGTCACTACTCTT
CCTCGTCCGTA CTGCGGCGGTATCGGACAGACCGCCATTCGT

> Pdb1 (FG855)_*Agaricus bisporus* var. *bisporus*

CAGGGAATTGATCACATCGTCAATTCTGCTGGCAAACATATTACATGT CAGGTGGTAA
TGTCCTTGTCCC GTTGTGTTCCGAGGTCCCAACGGCGCTGCTTCTGGTGTGGCTGCA
CAGCACTCGCAGGATTATGCGGCCTGGTACGGCTCTATCCAGGACTCAAGGTTATCAG
CCCCTGGAGTGTGAGGATTGCAAAGGTCTCCTCAAGGTCTGTGTATTTATTTTCGTCCA
GATGCATGTGTCTCAATTCCGTTCTAGTCCGCTATTCGG

> Pdb1 (FG855)_*Laccaria bicolor*

CAAGCAATTGATCAAATTGTCAACTCGGCCGGTAAAACATACTACATGTCTGGTGGCAA
TGTCCTTGTCCCAGTTCGTGTTCCGCGGTCCCAATGGTGTCTGCTGCCGGTGTGGTGA
CAACTCCCAGGATTACGCAGCTTGGTATGGTTCAATTCCCGGATTGAAGGTTGT CAG
TCCCTGGAGTTCTGAAGATTGCAAAGGACTACTCAAGGCAGGAAACTGACCCACTCTT
CTCCGTATCATTACCTGTTCTAGTCCGCAATTCGA

> Pdb1 (FG855)_*Lactarius quietus*

CAAGCGATCGACCAAATCGTCAACTCGGGCGGGAAGACATACTACATGTCTGGTGGGA
ATGTCCCATGCCCTGTTGTTTTCCGCGGTCCGAACGGTGCTGCTGCTGGCGTTGGTGCC
CAACTCCCAGGATTATGCGTCTTGGTACGGACAGATCCAGGACTTAAAGTTGTCA
GTCCATGGAGCGCCGAGGATTGCAAAGGTCTGCTCAAAGTGC GTAATTTCTTCGTGTA
AGATGCTAACTGGCGGCCATATTCAGTCCGCCATTCGC

> Pdb1 (FG855)_*Coprinopsis cinerea*

CAGGCCATTGATCAGATTGTCAACTCGGCAGGCAAGACCTATTACATGTCTGGCGGCA
ACGTTCCCTGTCCCGTCGTATTCCGAGGCCCAACGGTGCTGCTCTCGGTGTAGCTGCC
CAGCATTCCCAGGACTATGCCGCTTGGTATGGTTCTATCCCTGGATTGAAGGTCGTCAG
CCCATGGAGTGCCGAAGACTGCAAGGGTCTGCTCAAGGTAAATGATTCATATTCGCTC
CCCCGAGTCAATCTTAAATACATCACAGTCCGCCATCCGG

> Pdb1 (FG855)_*Boletus edulis*

CAAGCCATCGACCACATCGTCAATTCTGCTGGTAAAACGTA CTACATGTCCGGCGGAA
ACGTCCCATGCCAGTTGTTTTTCGTGGTCCCAACGGTGCCGCCTCTGGTGTGCTGCA

CAACATTCACAGGACTATGCTGCATGGTATGGCTCAATTCCTGGTCTCAAGGTCGTCAG
CCCATGGAGTGCCGAGGACTGCAAGGGTCTCCTCAAGGTGTGTGCGTCGTCGGATTCC
TCGTACATTCCTCATAACATGCAGTCTGCCATCCGG

> Pdb1 (FG855)_*Phanerochaete carnosae*

CAAGCCATCGACCAGATCGTCAACTCTGCGGGAAAGACCTATTACATGTCCGGCGGAA
ACGTCCCATGTCCAGTCGTCTTCCGTGGACCCAACGGTGCAGCTGCTGGTGTGCGCCGC
ACAACACTCGCAAGATTACGCGGCATGGTATGGCAGCGTTCCAGGCCTAAAGGTCATC
AGCCCGTGGAGTGCCGAGGACTGCAAGGGTCTGCTCAAGGTGCGTACCCGTCGCGGG
GATCCGCCATATGTATCATTGCTCATAGGCTGCCATCCGT

> Pdb1 (FG855)_*Gymnopus androsaceus*

CAGGCCATTGACCAGATAGTCAACTCGGCTGGGAAAACATACTACATGTCCGGGAGGAA
ATGTGCCTTGCCCAGTAGTGTTCGGTGGTCCAAACGGTGTGCTGCTGGTGTGCTGCG
CAACATTCGACAGGACTATGCTTCTTGGTATGGTCAGGTTCCCTGGTCTCAAGGTTGTCAG
TCCGTGGAGTGCAAGAACTGCAAGGGTCTTCTCAAGGTGAGTTGAGCTTCGCGTTTT
TGTATTCAACAACCTTGTATTCTAGTCGGCTATCCGT

> Pdb1 (FG855)_*Trametes versicolor*

CAGGCTATTGACCAGATCGTGAACCTCTGCTGGCAAGACCCACTACATGTCCGGGTGGTG
TTCTCCCTTGTCCTATCGTGTTCGGTGGTCCCAACGGTGTGCGCCGGGTGTCGCGGCC
CAGCACTACAAGACTACGCCTCGTGGTACGGTTCAGGTTCCCTGGTCTCAAGGTCGTCA
GCCCTTGGAAACGCGGAGGACTGCAAGGGTCTTCTCAAGGTACGTTGGAGTGGAACGA
CCTATACATGGAAAGACTGACCCGATTGAAGTCTGCCATCCGG

> Pdb1 (FG855)_*Hygrophoropsis aurantiaca*

CAAGCCATTGACCAAATCGTTAACTCGGCCGGAAAGACGTATTATATGTCCGGCGGCAA
TGTCATGACCCCTGTAGTCTTCCGTGGTCCCAATGGTGCAGCTGCCGGAGTTGCCGCTC
AACATTCACAAGATTATGCTGCGTGGTACGGTTCAGTTCCCGGCCTCAAAGTTGTCAGT
CCTTGGAGTGCTGAGGATTGCAAGGGTCTTCTGAAGGTAAACTTCCTTTCCATTTCTGC
TCATGTATTGCGTTTTTCCAAATAGGCGGCTATCCGC

> Pdb1 (FG855)_*Fomitiporia mediterranea*

CAGGCCATTGATCAGATTGTGAACTCTGCTGGCAAGACGTACTACATGTCTGGTGGGA
ACGTTCCCTTGTCCTGTGCTTTTTCCGTGGACCCAACGGCGCGGCCGCTGGTGTAGCAGC
GCAGCACTCCCAAGACTATGCGTCGTGGTATGGTCAAATCCCCGGTCTTAAGGTCCTCA
GTCCCTGGTCTGCGGAGGATTGCAAGGTCTATTGAAAGTACGCGTTCTCTTACGTG
TTGTCAATTTTCGTAATTTCTCTGATAGGCTGCTATTTCGC

> Pdb1 (FG855)_*Pluteus cervinus*

CAAGCTATCGACCAAATAGTGAACCTCAGCCGGAAAAAATTATTACATGTCTGGCGGCA
ATGTTCCCTTGTCCTGTTGTGTTCCGTGGACCCAACGGTGCAGCTGGTGTGGCGC
ACAACATTCACAAGACTACGCTGCGTGGTATGGTTCGATCCCTGGACTTAAAGTTGTGA
GTCCATGGAGCGCAGAGGACTGCAAGGGTTTACTCAAGGTATGATCATTAGCACCCCTG

ACCGCACCAAATTCCACTCCTTACAGTCCGCCATCCGA

> Pdb1 (FG855)_*Tricholoma matsutake*

CAGGCTATTGACCAAATTGTCAATTCGGCGGGAAAAACATACTATATGTCCGGTGGCAA
CGTTCATGTCCGGTTGTGTTCCGCGGTCTAATGGCGCTGCGGCTGGTGTTCAGCCC
AACATTCGCAAGACTATGCTGCTTGGTATGGTTCGGTACCTGGCCTAAAGGTCGTCAGT
CCATGGAGTTCGGAGGATTGCAAAGGTCTACTCAAGGTATGTGACTTAGTGTACATAAA
CATCAACTAATTGAACTCAGTCTGCTATCCGA

> Pdb1 (FG855)_*Auricularia delicata*

CAGGCCATCGACCAGATCGTCAACTCGGCAGGCAAGACTTACTACATGTCCGGTGGAA
ACGTCCCCTGCCCCGTAGTGTTCGGTGGCCCCAACGGTGCCGCGTCCGGTGTCCGCC
CCAGCACTCCCAGGACTACGCGGCATGGTACGGCCAAATCCCCGGTCTCAAGGTGCTC
TCGCCCTGGAGTGCTGAGGACTGCCGCGGCTGCTCAAGGTACACGCCACATACCCG
CACCCCCTCTACTGCTCGCACAGGCAGCAATCCGC

> Pdb1 (FG855)_*Fomitopsis pinicola*

CAGGCCATCGACCAGATTGTGAACTCGGCCGCAAAGACACTCTACATGTCTGGTGGTT
TCCTCACCTGCCCCGATCGTCTTCCGTGGTCCCAACGGTGCCGCTTCCGGTGTCCGAGC
CCAGCATTTCGAGGACTACGCTGCATGGTACGGCTCTATCCCCGGTCTCAAGGTAGTCA
GTCCCTGGAGTGCTGAGGACTGCAAGGGCCTGCTCAAGGTTTGCTCCGCCCATAGTGA
TGTGCCCACTTAAATCTTCGTGTTACAGGCCGCCATCCGT

> Pdb1 (FG855)_*Amanita muscaria*

CAAGCAATAGACCAGATTGTGAACTCTGCTGGAAAAACACATTACATGTCCGGCGGCA
ACGTCTCATGTCCGATAGTTTTTCAGAGGACCCAACGGTGCCGCGCTGGAGTCCGGTGC
CCAGCATTACAAGATTATGCAGCCTGGTATGGGTCTATTCCAGGACTTAAAGTTGTCA
GTCCGTGGAGTGCAGGAGGATTGCAAAGGTCTGCTCAAGGTATGTTTCATCAATGCATTAT
CTCAATTCTCGTGATAGGCAGCAATACGG

> Pdb1 (FG855)_*Marasmius fiardii*

CAAGCCATTGATCAAATCGTCAACTCTGCCGAAAGACCTACTACATGTCCGGAGGGA
ACGTTCCCTGTCTGTTGTTTTCCGTGGCCCCGAATGGTGCCGCATCAGGTGTAGCAGCT
CAGCATTACAAGATTACGCCGCTTGGTATGGTCAGATTCCCCGGTCTGAAAGTTGTGAG
TCCATGGAACGCTGAGGATTGCAAAGGGCCTTTTGAAAGTGAGTTACGGAAGGCTCAG
GCTCTATCTAAATAAAATAGTCTGCTATCCGT

> Pdb1 (FG855)_*Dacryopinax primogenitus*

CAGGCGATTGACCAGATCGTTAACTCGGCTGGAAAGACACATTACATGTCTGGCGGCG
AGGTCCATTGCCAGTTGTCTTCCGCGGGCCAAATGGTGCCGCGTCCGGTGTTCGCTGC
CCAACACTCGCAGGACTACTCTGCTTGGTACGGCTCTGTCCCTGGCCTGAAGGTGGTC
AGCCCTTATAGTGCTGAAGACTGCAAGGGTCTCTTGAAGGTAGGATTAAGTCTTCATAG
GCTTGCCCTGACATGTGGAAAGGCGGCTATCCGC

> Pdb1 (FG855)_*Calocera cornea*

TAGGCTATTGACCAAATCGTGA ACTCTGCCGGGAAGACATATTACATGTCTGGCGGCAA
TGTTCCCTGCCCAGTCGTCTTCCGTGGTCCCAACGGTGCTGCTGCTGGTGTGCTGCC
AGCATTGCAAGATTATGCTGCTTGGTACGGTCCATCCCGGGCCTGAAGGTTGTCAGC
CCTTGGAGCGCTGAGGACTGCAAGGGTCTGTTGAAGGTACGACCATGCTGCCGTAATG
CTCATCTAATATATGACAAGGCCGCGATCCGT

> Pdb1 (FG855)_*Ramaria acris*

CAGGCCATTGATCAAATTGTGAACTCGGGTGCGAAGACGTATTACATGTCAGGAGGAA
ATGTCCCATGTCCTGTTGTTTTCCGTGGTCCCAACGGTGACAGCCGCTGGTGTGCGCCGCG
CAACTCTCAAGACTATGCTGCTTGGTATGGTCAGATACCTGGCCTTAAAGTCGTTAG
TCCATGGAGCTCGGAAGATTGCAAAGGCCTCCTAAAGGTATGTTGCCATTCTACGCGGT
CGTATCTGATAATTCCTCCTCGCCTAGGCCGCAATCCGT

> Pdb1 (FG855)_*Gautieria morchelliformis*

CAGGCCATCGACCAGATTGTAACTCGGGAGGGAAAACATATTACATGTCAGGCGGCA
ATGTCCCTTGTCTGTTGTTTTCCGTGGTCCCAATGGTGCAGCCGACAGGCGTCGCTGCG
CAGCATTCTCAAGATTATGCCGCATGGTACGGTCAAGTGCCAGGTCTTAAAGTCATAAG
CCCGTGGAGCTCTGAGGACTGCAAAGGTCTCCTAAAAGTGAGGCGAATCCCTTCGCCT
ACCTGAATCTAAGACGTTTCCCTCACAGGCTGCCATTTCGC

> Pdb1 (FG855)_*Rhizopus microsporus*

TAGGCTATTGATCAAATCGTCAACTCTGCTGCAAAGACCCTCTACATGTCTGGTGGTAT
CGTCAAGTGCCCCATTGTCTTCCGTGGTCCCAACGGTGCTGCTGCTGGTGTGCGGTGCTC
AACTCTCAAGACTTTGCTGCTTGGTACGGTTCGGTCCCTGGTCTTAAAGGTCGTCTCT
CCTTGGAACTCTGAAGATGCCAAGGGTTTGTGTAAGGCTGCCATTTCGT

> Pdb1 (FG855)_*Neurospora crassa*

CAGTCCATCGACCACATCGTCAACTCTGCCGCCAAGACGCTCTACATGTCCGGCGGTAT
CCAGCCCTGCAACATCACCTTCCGCGGTCCCAACGGTTTTGCCGCCGGTGTGCGCCGCC
CAGCACTCGCAAGACTACAGCGCCTGGTACGGTTCGGTCCCTGGTCTCAAGGTCGTGT
CCCCCTGGTCTGCTGAGGACGCCAAGGGTCTGCTTAAAGGCGGCTATCCGC

> Pdb1 (FG855)_*Asperigillus triticus*

CAGGCCATCGATCAGATCATCAACTCGGCCGCTAAAACCCACTACATGTCTGGAGGTAT
CCAACCTTGCAACATCACTTTCCGTGGCCCCAACGGTTTCGCCGCCGGTGTGCGCCGCG
CAGCACTCTCAGGATTACTCCGCCTGGTACGGCAGTATCCCTGGCCTGAAGGTTGTCTC
GCCCTGGAGCTCGGAGGATGCCAAGGGTTTGTGTAAGGCGGCCATCCGC

> Pdb1 (FG855)_*Agaricostilbum hyphaenes*

CAAGCAATCGACCAAATCGTCAACTCTGCAGCCAAGACCTACTACATGTCTGGCGGTA
ACGTGCCGTGCTCAGTTGTGTTCCGTGGGCCAAACGGTGCAGCAGCCGGTGTGCGCCG
CTCAACTCACAGGATTACGCCTCATGGTACGGTCAGATTCCAGGTCTCAAGGTCGT
GTCACCCTACAGCGCAGAGGACCACAAGGGTCTCCTCAAGGCAGCAGTTCCG

>Pol30 (FG546)_*Agrocybe pediades*

GCCCTGGTCTCCGTCAAGTTCGGTGCCCCGCTTTCAAGCGCTATCGCTGTGATCGCCC
CATGCCACTTGGCGTGAACCTCACCAGCCTGACTAAAGTCCTCAAGTGTGCCAAAGAC
GATGATATTTGCACGTTGAAGGCCGCGGATGAGGCCGATGTGTTGAATTTGGTGTATGA
GGC

> Pol30 (FG546)_*Boletus edulis*

GCCCTTGTCGCCGTTACCCTCGAGGCATCTGGTTTCAAAAAGTTCCGCTGCGACCGTC
CCATGCCCTTAGGCGTCAACCTGAACTCCCTGACCAAAGTGCTGAAATGCGCGAAAGA
CGACGACATATGTACAATCAAAGCTACTGACGATGTCGATGTATTGAACCTCGTCTACG
AAGC

> Pol30 (FG546)_*Fomitopsis pinicola*

GCCCTCGTCGCGGTCAAGCCTAAAGGCCTCCGGCTTCAAGCGCTACCGCTGCGATCGCC
CCATCCCCCTCGGCGTCAACGTCTCCTCCTCACAAAGGTCCTCAAGTGCGCAAAGGA
CGATGACGTCTGCATTCTCAAGGCCAACGACGACGCCGACATCCTCAGCCTCACCTAC
GAGGC

> Pol30 (FG546)_*Trametes versicolor*

GCCCTCGTCGCCGTCAAGCTCAAGGCAGACGGCTTCCAAAAGTACCGCTGCGACCGC
CCCATCCCGCTCGGCGTGAACGTCTGGGTCGCTCACAAAGGTCCTCAAGTGCGCCAAG
GACGACGACATCTGCACGCTCAAGGCCGCCGACGACGCCGACATCCTCTCCCTCACCT
ACCAAGC

> Pol30 (FG546)_*Phanerochaete carnosae*

GCGCTCGTGGCTGTCAAACCTCAACGCGACTGGCTTTAAGCGCTACCGCTGCGACAGGC
CTATGCCACTCGGTGTGAATCTCACATCGCTGACAAAGGTCGTGAAGTGCGCAAAGGA
CGACGACCTCTGCACGCTTAGCGCGGCAGACGACGCCGATGTCCTCAGCTTGACTTAC
GAGGC

> Pol30 (FG546)_*Gymnopilus chrysopellus*

GCGCTCGTCTCGGTCAAGTTCAGTGCTGCTGCCTTCAAGCGGTACCGCTGCGACAGAC
CCATGCCGCTGGGCGTGAACCTCACCAGTCTCAACAAGGTGCTCAAGTGCGCCAAGG
ACGACGATATCTGCACGCTCAAGGCCGCTGATGAAGCTGACGTGCTCAACCTCGTGTA
TGAGGC

> Pol30 (FG546)_*Laccaria bicolor*

GCTCTCGTAGCAGTCCATTTGGAAGCTGCGGGGTTTAAGCGTTACCGTTGTGATCGCCC
TATGCCCTTGGGCGTGAACCTGACCTCCCTCACAAAGGTTCTCAAGTGTGCCAAGGAC
GATGACATTACCACCCTCAAGGCTGCAGACGAGGCCGATGTGCTTAATCTTGTCTATGA
GGC

> Pol30 (FG546)_*Hygrophoropsis aurantiaca*

GCCCTGGTTGCAGTGAAGTTGGCGGCTACGGGTTTCAAGAAATACAGATGTGATAGAC
CAATGCCTTTGGGTGTCAACCTTAATTCCTCACCAAAGTTCTCAAATGTGCCAAAGAT
GATGATATCTGTATCCTCAAAGCTACGGATGATGCCGACGTTTTGAACCTTACATACGAA
GC

> Pol30 (FG546)_*Serpula lacrymans* var. *lacrymans*

GCTTTAGTGGCGGTGAAGCTGGACGCTGTTGGCTTCAAGAGATATCGCTGTGACCGCC
CAATGCCTCTCGGTGTCAACCTCAATTCCCTTACCAAAGTCCTCAAGTGTGCAAAGA
CGACGATATATGTGTCATAAAGGCCACTGATGACGCTGACGTGCTTAATCTCGTATACG
AAGC

> Pol30 (FG546)_*Lactarius quietus*

GCGCTTGTATCGGTCAAGTTACACTCCGATGGGTTTCGCGTTGTACCGCTGCGACCGTCC
GATCCCCCTTGGCGTCAACCTCGGTTCACTTACCAAAGGTGCTCAAGTGTGCTAAGGAC
GACGATAAGTGTACTGAAAGCGACTGACGACGGTGTGTTCTCAGTCTCAAGTACG
AGGC

> Pol30 (FG546)_*Mycena crocata*

GCGCTCGTGGCCGTCTTTCTCGAAGCCGATGGCTTCAAGCGATATCGCTGCGACCGAC
CGATGCCCTCGGTGTCAATCTGTGAGTCTGACCAAAGTCCTCAAGTGCGCAAAGGA
CGACGACGAGTGCACGCTCAAGGCCGCCGACGACGCCGACGTCCTCAATCTCGTGTA
CGAGGC

> Pol30 (FG546)_*Gautieria morchelliformis*

GCTCTCGTTGCTGTCAAGCTTGACGCGGACGGTTTCGACTTGTATCGATGTGACCGACC
GATGCCGCTTGGCGTTAACCTTGGATCTTTAACAAAAGTCCTCAAGTGTGCGAAGGAC
GACGACATAGTCACACTGAAAGCGACCGACAATGGCGATATTTGAACTTGATTTATGA
AGC

> Pol30 (FG546)_*Ramaria acris*

GCACTGGTCGCCGTTAACCTCGAAGCCGAGGGTTTCAAGTCTTATCGATGTGACAGGC
CTATGCCCTTGGTGTCAACCTGGGATCCTTGACGAAGGTGCTCAAATGCGCCAAGGA
CGACGACATTGTCACACTCAAAGCAACCGACAATGGTGATATCCTGAACTTGATTTACG
AAGC

> Pol30 (FG546)_*Tricholoma matsutake*

GCGCTTGTGCTGTACTCCTTGAGGCCACTGGCTTTAAACGCTATCGCTGTGACCGCCC
CATGCCCTTAGGTGTCAATCTTACCAGCCTAACCAAAGTCCTCAAGTGTGCGAAGGAC
GATGATGAGTGCACCTTAAAGCCGACGACGAGGCTGATGTCCTTAACTTGGTTTACG
AGGC

> Pol30 (FG546)_*Agaricus bisporus* var. *burnettii*

GCGCTGGTCATTATCAACTTGGACCACAACTCTTCCTCAGTTATAGATGCGATAGGCC
CATGCCCTTGGGAGTCAATCTCAATAGTTTGGCCAAGGTCTAAAATGTGCAAAGGAC

GACGACGTTTGCACGTTGAAAGCAAGCGACGATGCTGACCTCTTAAATCTGGTCTACG
AGGC

> Pol30 (FG546)_*Stereum hirsutum*

GCACTCTGCTCCGCCAAGCTCGACGCGACTGGATTACACGCTATCGCTGCGATCGTC
CTCTCCCGCTCGGCGTCAACCTCAGCAGCTTGACAAAGGTTTTGAAGTGTGCAAAGGA
TGATGATACATGTACGCTGAAGGCGAGCGATGACGGTGACATCTTGAGTTTGACTTACG
AGGC

> Pol30 (FG546)_*Marasmius fiardii*

GCCTTAGTGGCCGTAAAGCTACAACATCAGGGCTTCAAAAAGTACCGTTGCGATAGGC
CAATGCCTCTCGGCGTGAACATTGCTAGCTTGACAAAGTTCTCAAGTGCGCGAAGGA
TGATGACTTGTGCACTCTCAAGGCAGCGGATGAAGCAGACGTGCTTAACCTGGTATAT
GAAGC

> Pol30 (FG546)_*Amanita muscaria*

GCGCTCGTCTCTGTGCTCATCAAAGCAAAAGGCTTTGAGAGGTTTCAGATGTGACCGCC
CAATGCCACTGGGTGTCAATCTCGGCAGTCTGTCCAAAGTCCTCAAGTGTGCGAAAGA
CGATGATACGTGCACGCTCAAGGCTCTAGACGACGCAGATACTTTAAATCTCATCTATG
AGGC

> Pol30 (FG546)_*Auricularia delicata*

GCCCTTGTGACGCTCAACATGGACGTGGCTGGCTTCCAGATGTACCGCTGTGACCGCC
CGATGCCGCTGGGCGTGAACCTGGCATCGCTGACCAAGGTGCTCAAGTGCGCCCAGG
ACAACGATCAGGTACGCTCAAGGCGGCGACTCGGCGGACGTCCTTCAACTGCAAT
TCAACTC

> Pol30 (FG546)_*Gymnopus androsaceus*

GCCCTCGTCGCGGTAATAATTGGTCCAGAGTGGCTTCAAGAAATATCGCTGTGACCGGC
CGATGCCTCTGGGCGTCAACGTCGGAAGCTTGACAAAAGTATTGAGATGCGCCAAGGA
CGACGATACATGTACTCTCCGTGCAGCTGACGAGGCGGACGTGTTGAATTTGACTTATG
AACC

> Pol30 (FG546)_*Pluteus cervinus*

GCACTCGTTTTCGGTGCATCTTATGGCTTCGGGCTTCAAACGATACCGTTGTGACAGGCC
AATGCCATTGGGCGTCAACCTGAACACGTTGACCAAGGTGTTGAAGTGTGCGAAGGAT
GATGATATCTGTATATTGAAGGCGGCGGATGAAGCGGATTTGTTGAACCTTATATATGAA
GC

> Pol30 (FG546)_*Schizophyllum commune*

GCGCTCGTCGCGGTGAAGATCCTGGTCTCTGGCTTCAAGCGCTATCGATGTGACCGAC
CCATGCCTTTGGGCGTCAACCTGGGCAGCCTGACCAAAGTCTTGAAGTGCGCAAAGG
TGTGTGCTTGTCCAACCGCCCGAAAGGGCAACCGCGCTAAGATGATCCTAGGACGAC
GATATCTGCACATTGAAAGCGGCAGACGAAGCGGACGTCCTAAACCTCATCTACGAAG

C

> Pol30 (FG546)_*Coprinopsis cinerea*

GCGCTCGTCGCGGTGAAGATCCTGGTCTCTGGCTTCAAGCGCTATCGATGTGACCGAC
CCATGCCTTTGGGCGTCAACCTGGGCAGCCTGACCAAAGTCTTGAAGTGCGCAAAGG
TGTGTGTCTTGTCCAACCGCCCGAAAGGGCAACCGCGCTAAGATGATCCTAGGACGAC
GATATCTGCACATTGAAAGCGGCAGACGAAGCGGACGTCCTAAACCTCATCTACGAAG
C

> Pol30 (FG546)_*Fomitiporia mediterranea*

GCACTCGTCGCGGTTTCCCTGAAGGCGGATGGTTTTCGTCAAGTACCGTTGCGACAGAC
CGATGCCGCTGGGTGTCAACCTTGGATCTCTCACAAAAGTGCTCAAGTGCGCAAAGGA
CGACGATGTCTGCACGCTCAAGGCCTCCGATGATGCGGACGTAATCTTACGTACG
AAGG

> Pol30 (FG546)_*Calocera cornea*

GCGCTCGTTGCCGTCGAGCTCCAGGCGGATGGCTTACCGAGTACCGCTGTGATCGGC
CGATGCCCTCGGCGTTAACCTCGCGAGCTTGACGAAGGTCATGAAGTGCGCACGGGA
CGATGACGAGGTTCAAGCTCAAGGCGAGCGATAATGCCGACTCTCTGCATTTGCTCTTCG
AGAA

> Pol30 (FG546)_*Dacryopinax primogenitus*

GCTCTCGTAGCGGTTGAGCTCCAGGCAGATGGTTTTACAGAATACCGCTGTGACCGGC
CGATGCCCTTGGTGTGAATTTGGCCAGCTTGACCAAGGTCATGAAGTGCGCGCGTGA
TGATGATCAGGTGCAGCTCAAAGCCAACGACAATGCTGACTCGTTGCATCTCCTGTTC
GAAAA

> Pol30 (FG546)_*Neurospora crassa*

GCGCTCGTGTCCATGATGCTCAAGACGGAGACCTTCTCGCCCTCCGGTGCGACCGCA
ACATTGCGCTCGGCGTCAACCTGACGTCGCTGACCAAGGTGCTCCGCGCCGCCAGAA
ACGAGGACATCCTGACGCTCAAGGCCGAGGACGCGCCCGACGTGCTCAACCTCGTCT
TCGAATC

> Pol30 (FG546)_*Aspergillus triticus*

GCGCTGGTGTGATGCTGTTGAAGGCGGAGGGCTTCTCGCCCTACCGGTGCGACCGCA
ACATCGCCCTGGGTATCAACCTGGTCTCCCTGACCAAGGTGCTGCGCGCCGCCAGAA
CGAAGACATCCTGACGCTCAAGGCCGAGGACGCGCCCGACGTCACCTGATGTTTC
GAGAG

> Pol30 (FG546)_*Rhizopus microsporus*

GCCTTGGTGGCCATGATGCTTCGCTCTGATGGTTTTGATCCTTACCGCTGTGATCGTAAC
TTGCCTTTGGGTATCAACTTGACCAACTTGGGTAAGATTTAAAGTGTGCTCGTAACGA
TGATATCGTGACACTCAAGGCTGATGATGATGGTATGCTTTAAGTTTGGTATTTGAAA
G

> Pol30 (FG546)_*Agaricostilbum hyphaenes*

GCTTTGGTCTCCCTAGATCTTCAAACCTGAATCCTTCATGGATGACGCCTACCGCTGTGA
CCGCAACATGTCCCTGGGCATGAACTTGAGCAGCTTGCAGAAGATCATCAAGTGCGCC
GGCAACGATGATGAAGTGACTTTGCGCGCCGACGATGACTCAGACAACCTTTCACTTA
CATTCAGAA

> Qns1 (FG747)_*Boletus edulis*

CTCCGAAGATCCCGGACTCAGGGATACTTTGTGCCTCTTAGCGGTGGAGTCGACAGCT
GCGCCACGGCAGTTATCGTGTATTCCATGTGCCGCTTGGTCGCCGAAGCTGCCACTCGA
GCGAGTAAGTACATCCGGTCATCGCTCTTAACTACTAGACAAGCAGGTCATTGCTGA
TGCCCGTCGATTGCGGGAGAGCCTGACGACTCGAGCTACATCCCTTCCGACCCCAAG
GAGTTTTGCAATCGCATA

> Qns1 (FG747)_*Stereum hirsutum*

CTGCGACGCTCACGGACGCAGGGATATTTGTCCCGCTGAGCGGCGGGATTGATAGCT
GTGCCACCGCCGTCATTGTCTATTTCGATGTGTCCGCTGGTCGCTGAAGCTGCGCGTCTGA
GCAGGTCCGTGTCTCCCTAGTTTGTATTGACACGAACAGACAAACAGGTCATCGAGG
ATGCGCGCCGTATCGTCGGAGAACCAGCGGACTCTGGCTACATACCCTCAGATCCGAG
AGAGTTTTGCGGTCGTATA

> Qns1 (FG747)_*Coprinopsis cinerea*

TTGCGAAGGTTCGAGAACCCAGGGCTACTTTGTTCCCTCTGAGCGGTGGAATCGATAGCT
GTGCAACCGCCGTGATCGTGTCTCCATGTGCCGCTTGGTAACTGAAGCATCGGCTCGT
GGAGGTAAACGAGTTTCACGCTACTGACCTAACAGAGCAACATGTCATCGCCGACGC
AAGGAGAATGACCGGAGAACCCTGTGGACTCTACCTATATTCCGACCGACCCCAAGGAA
TTCTGCAACAGGATT

> Qns1 (FG747)_*Agrocybe pediades*

TTGCGACGCTCACGGACTCAGGGCTATTTTATCCCTCTCAGCGGTGGCATCGACAGCTG
CGTACTGCCGTGATTGTTTACTCCATGTGTCTAGTCGCCCAAGCTGCGTCCAGGG
GAGGTATGTGTCTTTGATTTTAAATGCTAATCAGAGGTGCAAGTCATTGCGGATGCCAG
ACGGATGACTGGAGAACCCGAGGATTCCGACTACCTGCCTACTGATCCTCGAGAATTT
GCCAACAGGATA

> Qns1 (FG747)_*Laccaria bicolor*

CTTCGACGATCCCGAACTCAGGGATATTTTATAACCATTAAGCGGTGGCATTGACAGCTG
TGCAACTGCGGTCATCGTATAATCCATGTGCCGCTTGTTCAGAGGCCGCGCTTCGGG
GAGGTCAGCCTATTTTCTACGTCTTACTAGAGCAGCAAGTCATCGCTGATGCGAGGC
GAATGACTGGGGAGCCGATTCTCTACATTCTTCCGATCCCAGGGAATTTGCGAAC
AGGATT

> Qns1 (FG747)_*Gymnopilus chrysopellus*

CTTCGCCGTTCAAGAACGCAAGGATATTTTCGTACCCTTAAGCGGCGGGATTGATAGTTG
CGCCACTGCTGTGATTGTTTATTCTATGTGTCTGTTGCGCAGGCTGCTGCAAGAG

GGCGTAAGTTGCTTTTTTTGGCTCAGAGAAGCAAGTAATTGCCGACGCCAGACGTATG
GCTGGCGAACCTGAGGGTTCAGAATACTTGCCGACCGATCCAAAGGAATTCTGTAACA
GGATT

> Qns1 (FG747)_*Trametes versicolor*

CTGCGCAGATCGCGCACGCAAGGGTATTTTATTCCTCTCAGTGGGGGCATCGACAGTTG
CGCCACGTCTGTGATAGTCTTTTCCATGTGCCGTCTAGTTGCCGAGGCAGCGCGGAAC
GGAGGCAAGTGGGCTTCAACACACCCCCGCTCTGACCAGATGGACAGGTCATTGAGGA
CGCGCGACGCATCGCGGGCGAAGAGCCGGGGTCCACATACGTGCCAGACGATCCCCG
CGAGTTCGCGAACCCGCATC

> Qns1 (FG747)_*Gautieria morchelliformis*

CTCCGTCGGTTCGCGCACACAGGGGTATTTTCATTCCCTCTTAGTGGCGGAATCGACAGCTG
TGCTACTTCCGTTATTGTGTATTCTATGTGCCGTCTCGTTGCAGAAGCTGCCACTAGGGC
GGGTAAGAATTTCTTTTGTGACTCGGTCAGATAAACAGGTCATCGAGGATGCTCGAA
GGATGACAGGCGAGCCCCGGATTCTAGTTATATCCCTTCCGATCCTAGGGAGTTTGCA
AACCCGCATA

> Qns1 (FG747)_*Ramaria acris*

CTTCGCCGGTTCGCATACCCAAGGCTATTTTCATTCCCCTCAGCGGAGGGATTGATAGTTG
TGCCACCTCGGTCATTGTCTATTCCATGTGTGCCTCGTAGCCGAGGCTGCCACTAGGG
CCGGTAAAGATGTTAACAATGGCCCACTCATCTGGTTAGATAAACAGGTAATTC AAGAT
GCTCGAAGGGTAACTGGAGAGCCTCCAGACTCCAGTTACATACCTTCCGACCCTCGCG
AGTTTGCTGGCCGCATA

> Qns1 (FG747)_*Agaricus bisporus* var. *burnettii*

CTAAGGCGTTCTCGAACCCAAGGCTACTTTTCTTCCTCTCAGTGGGGGTATAGACAGCTG
TGCAACAGCAGTGATTGTACATTCTATGTGCCGCTCGTCGCGGAGGCATCTAACCGTG
GCGGTGAGTGGGATTTTTTAACAAATCACCTTACCAGACAAGTCGGTTATCGCTGATGC
GAGAAGAATGACTGGTGAACCGGAAGACTCCTCTATATTCCCTTCGGACCCTGTGGAA
TTTGCTGGTCGCATA

> Qns1 (FG747)_*Hygrophoropsis aurantiaca*

CTCAGGCGTTCACACACACAAGGATATTTTATTCCTCTGAGCGGAGGTATCGACAGCTG
TGCAACGGCAGTTATTGTCTATTCTATGTGCCGTTTAGTTGCGGAAGCAGCTACTAGAG
CAGGCGAGTCAAACAAATCCTTGACTAAGAACTACTAGACAAGCAGGTCATTTCTGA
TGCTCGCCGCATCGTCGGAGAACCGGAAGAGTCGAGCTATATTCCCTCTGATCCTCGG
GAGTTTTCAAGCAGGATC

> Qns1 (FG747)_*Phanerochaete carnosae*

CTTCGTCGCTCGCGGACCCAAGGTTACTTTGTTCCCTTTGAGTGGAGGCATTGATAGCTG
CGCAACAGCCGTCATCGTGTACTCCATGTGTCGTTTAGTCGCAGAAGCTGCTCAAAGA
AGAGGTATGGCTCGAGCGCGGCATACGCTGATTAGACCAGCAAGTCATCTCAGATGC
CGTTCGCATCGCTGGCTTGCCAGAAGATTCCGATTATGTCCCTCAAGATGCACAAGAAT

ATTGTAACCGTATC

> Qns1 (FG747)_*Fomitopsis pinicola*

TTGCGCCGGTTCGAGGACACAGGGGTACTTTGTTCCGCTGAGTGGTGGTATCGACAGCT
GCGCGACCTCGGTCATCGTTTATTTCGATGTGTCGCCTCGTCGCCGATGCTGCCAGCAAC
GGAGGTACGCATGCGGCCTTTGCCAGCCTAATCAGATGAGCTGGTCATCACCGACGCG
CGCCGCATCGCGGGCGAGCCCGAGGACTCGTCTTACATCCCAACGGACGCACGCGAAT
TTTGCAACAGGATC

> Qns1 (FG747)_*Pluteus cervinus*

CTGAGGCGGTCCCGAACCCAAGGATATTTTCGTTCCACTGAGTGGCGGTATAGACAGTT
GTGCAACAGCTGTCATCGTTTTCTCTATGTGCCGCCTTGTGGCAGAGGCAGCCAGACG
AGGGGGTATGTCGAGGTGGATTACATAGATCCCAAGTAATTCAGACGCTCGGCGCAT
GGTCGGTGAACCACGGATTACGATTACGTCCCGACAGACGCTCGCGAATTTTGCAAT
CGAGTT

> Qns1 (FG747)_*Tricholoma matsutake*

TTGAGACGATCGCGCTCGCAGGGCTATTTTCATTCCTGAGCGGTGGGATTGACAGCT
GTGCGACAGCCGTCATCGTGTCTCCATGTGCAGGCTTGTGGCTGAAGCTACCCGAAG
AGGAGGTTTAAAAAAGCTCTGTTTGTCTTACATGGTCAGACAAGCAAGTGATCGCA
GATGCAAGACGCATGACTGGAGAAGCAGAAGACTCTACATATATGGCTTCTGATCCAC
GCGAATTTTGCAATCGGATA

> Qns1 (FG747)_*Calocera cornea*

CTTCGTCTGTTCCCGCACTCAAGGTTACTTCGTGCCGCTCAGTGGTGGTATCGACAGCTG
CGAACATCAGTCATAGTGTACAGCATGTGTCGGCTTGTGCGCACAGGCTGCAACCAAC
GCCGACAAGCAAGTAATTGCCGATGCACGACGCATTGTTGGGGAGCCAGATGACTCGA
GCTACATCCCTTCGGACCCAAGAGAATTTTGCAAGCGCATC

> Qns1 (FG747)_*Dacryopinax primogenitus*

CTTCGTCTGTTCCCGAACGCAAGGGTATTTTGTACCCCTCAGTGGCGGTATTGACAGCTG
CGAACCTCCGTCATCGTGTACAGTATGTGCCGTCTCGTGGCTCAATCAGCTGCAAAA
GGCGACAAGCAAGTGATTGCCGATGCACGGCGCATCGCTGGCGAGCCCGAAGATTCTA
GCTACATACCCTCGGATCCCAGAGAATTCTGCAAGCGCATC

> Qns1 (FG747)_*Gymnopus androsaceus*

CTTCGGCGATCTCGCACCCAAGGCTACTTCCTTCTCTAAGTGGTGGTATAGACAGCTG
TGCGACCGCAGTCATCGTGTACTCGATGTGTCGCTTGGTCGCTGAAGCCGCAGGCAAA
GGCGACAAACAAGTTATTGCAGATGCTCGTCGGATTGCTGGCGAGAAGGAGAACTCTG
CATATGTTCCCACTGACCCACGAGAGTTTGCTGGGAGGATT

> Qns1 (FG747)_*Auricularia delicata*

CTGCGGCGCTCGCGCACGCAAGGCTTCTTCTGCGCTTAGCGGAGGGATAGACAGCT
GCGCGACCGCCGTCATCGTCCATTCGATGTGTAGACTAGTCGCGGGCGGGGGCGCA

GGGCAATGCGCAGGTCATCTCAGACGCGCGGGCGGATGACGGGCGAACC GGAAGGCTC
CAGCTATCTGCCAACGGACCCGCATGAATTCGCAAGGCGAATC

> Qns1 (FG747)_*Schizophyllum commune*

TTGCGCCGTTTCGCGCGCGCAGGGCTTCTTCCTCCCTCTCAGTGGCGGCATCGACAGCT
GTGCCACCGCGGTTCATCGTCTACTCTATGTGCAGACTCGTTCGTCGAGAAAGCCAAGGA
AGGCGGTACGTCACCTCCTTTCCCATCGCTCACCTCACCAGACCCCAAGTCATCGCC
GACGCCCGGCGCATCTCCGGCGAGCCCGAGTCCTCCACCTACATCCCTACCTCCCCGC
ACGAGTTCGCCAACCGCGTC

> Qns1 (FG747)_*Lactarius quietus*

CTCCGCCGCTCGCGCACCCAGGGCTACTTCCTCCCGCTCAGTGGCGGAATCGACAGCT
GCGCGACGGCCGTGATCGCCTATTCGATGTGCCGGCTTGCTGTCTCGAAGCAGCGCGCAC
GGGGAGTACGTCCGACCTGTGCCGTCTGACGCTTCCCCCAGATGCACAGGTGATCGCG
GATGTACGGCGGATCGTCGGGGAGCCAGAAGGCTCTGAGTACGTCCCTACGGACGCGC
GCGAGCTCTGCGGCCGGATC

> Qns1 (FG747)_*Amanita muscaria*

TTACGTCGCTCACGTACCCAGGGATTTTTCTTGCCTTTAAGTGGTGGACTCGATAGCTG
TTCGACTGCTGTTATCGTACATTCTATGTGTCGTCTTGTGACTGAAAAGGCGCAAGCAG
GAGGTACGTCCGATCACCTTCAACTGGTAAGACGCTTTGGTCCCTTGCCGATGCCAGG
CGCATAGTCGGCGAGCCAGAAACCTCAATTTATGTTCCAACAAACCCGCAGGAATTTG
CTAACAGAATT

> Qns1 (FG747)_*Mycena crocata*

CTCAGGAGATCGCGTACACAGGGCTACTTTGTACCGCTGAGTGGCGGTATCGATAGTTG
CGCCACTGCCGTCATCGTCTTTTCCATGGCCCCGGCTTGTGGCCGAAGCCGCTCGCAGA
GGCGGTCCGTCGTCCCTTCCCATTTTTTTTACCAGATGTACAAGTCATCGCAGATGCC
GACGAATTTCCGGTGAACCCGACGGCTCGGAATACATCCCTTCTGACCCTCGTGAATTC
ACGAACCGCATA

> Qns1 (FG747)_*Fomitiporia mediterranea*

CTTAGGAGATCAAGGACGCAAGGGTACTTCTACCTTTGAGCGGTGGGATTGACAGCT
GTGCGACTGCTGTCATTGTTTACTCAATGTGTAGACTTGTTCAGAAGCTGCCCATCGT
GGAGGAAAGTTTAGTCCATCACGCTTAATATCCTTACCAGACGCTCAAGTCATTGCTGA
CGCGCGTCGAATCGCCGGCGCGCCCGAGGATTCATCTTACGTACCGACTGACCCGAAC
CAGTTCTGCCAGCGCATA

> Qns1 (FG747)_*Agaricostilbum hyphaenes*

CTTCGGCGCTCAAGAACAGCCGGTACTTTGTGCCTCTCAGTGGCGGCATCGACAGTT
GTGCCACGGCAGTCATCACCTATTCCATGTGCAGACAGGTCGTCAAGGCTTGTGCCGA
AGGAAGTCAGTATATAGTTGCCGCGGTCTGTGCTGATCAGACGCACAAGTCATCGAAGA
CGCTCGGCGCATTTGGCGGCGAACCAGAAGACTCCGACTACATTCCTACAGATCCAAAA
GAGTTCTGCAACAGAATC

> Qns1 (FG747)_*Rhizopus microsporus*

CTTCGTCGCTCTAAAACAGCCGGGTACTTCTTACCTCTCAGCGGTGGTATCGATAGCTG
TGCTACTGCTGTCAATTGTCGCCTCCATGTGTAGATTGGTGGTCAAAGAAGCTGCAAAG
GGTAACAAGGAAGTCATTGAGGATGCTCGTCGTTTAGCCTGTCAAGGTGACAATTACA
TCCCCACTGATCCTCGTGAATTCGCAAGTCATATC

> Qns1 (FG747)_*Asperigillus triticus*

CTCCGAAGATGCGGGGCTGTGCGATACTTCCTTCCGCTCAGTGGTGGGATCGACAGCT
GCGCCACTGCTGTGATTGTCCATTCAATGTGCAGGGAGGTAGTCAAGGCTGTCCAGGA
GGGAAATGAGCAAGTTATCGCGGATGTGCGCAAGCTCTGCGCCGAGCCCCGAGGGCTC
AGACTGGCTTCCCAGCACAAAGCCAAGAATGTTTTAGTCGTATC

> Qns1 (FG747)_*Neurospora crassa*

CTCCGAAGGTCTGGCACAGCGGGTTACTTGGTGCCCCTGAGCGGAGGCATCGACTCTT
GCGCCACGGCTACTCTCGTATTCTCCATGTGCCGTATCGTTATTCAAGCCATCGAAGAC
GGGAACCAGCAAGTCATTGATGATGTCAGGTGTATCTGCAAGTATGGCAAGGAAGGCG
AGCTTCCCAAGACGCCCAAGAGCTTTGCAATCAGGTC

> Rfc2 (FG720)_*Pluteus cervinus*

CCCCAGGGACAGGGAAAACGTCCACCATCCTTGCAATTGGCCCGCCAACTCTTTGGGT
CCGTTGCAAAGTTTCAATTGACCCACAATCTCACACCTTGATAGGCCAGATAATTTCCG
AAATCGCGTCTCGAGTTGAACGCGTCGGACGAACGTGGTATTGCCATTGTTTCGTGAA
AAGGTCAAGAACTTTGCTCGACAGACGCCTCGAGCCAGGTTGTGGGCTCTGACGGGA
AGACTTACCCTTGTCCACCATATAAAATCATCATACT

> Rfc2 (FG720)_*Fomitiporia mediterranea*

CCTCCTGGGACAGGGAAAGACCTCGACCATCCTTGCACTATCTCGTCAACTCTTCGGGTA
TGTCGCCTGCTATACGGAAGCCATCAGGCTTACACTTTTTATAGTCCAGACAACTTCAA
AAACCGCGTACTCGAGCTAAACGCATCCGACGAACGTGGCATAACGATCGTACGAGAG
AAAATCAAGAACTTTGCTCGTCAAACCTCCTCGTGCCAAGCCGTCGCATCAGACGGCAA
AACCTATCCTTGTCCACCATACAAAATCATCATACT

> Rfc2 (FG720)_*Serpula lacrymans* var. *lacrymans*

CCACCGGGGACAGGGAAAACATCTACTATCCTCGCGTTGTCTAGACAGCTATTCGGGT
GTGTGCTTTTTGTACTTGTGAATCGTGATTTTTTAACTTCTACGATAGACCAGATAACT
TTCGGAACAGGGTACTCGAGCTTAATGCATCTGACGAGCGTGGAAATCAGTATCGTAAG
GGAAAAGATAAAAAAATTTCGCTCGCCAAACGCCCCGAGCCAAATGGTTCGCGTCCGAC
GGCAAAACATACCCTTGTCCACCATACAAAATCATCATCTT

> Rfc2 (FG720)_*Laccaria bicolor*

CCTCCGGGTACAGGCAAAACATCAACTATCCTTGCTTTGGCTCGACAACTTTTTGGGTA
AGAACGCGCTCTAGGTGACAATCGTTCTTTTTTCTGATAACTATATAGCCCAGACAATTT

TAGAAACAGGGTTCTTGAGTTAAACGCGTCGGATGAACGTGGAATCAGCATCGTTAGA
GACAAGATCAAGAACTTCGCCC GCCAGACACCGCGAGCCAAGCGGTGGCTTCTGATG
GAAAATCATACCCATGTCTCCCTACAAAATTATCATCCT

> Rfc2 (FG720)_*Schizophyllum commune*

CCTCCTGGGACTGGAAAGACATCTACCATCTCGCTCTGTCACGACAACTGTTCCGGGT
GCGTATCCCAGTCATATTCGAGCTTCTTAGTACCCATTCTTTTGCAGTCCAGACAACTTC
CGTAGCCGCGTCCCTCGAGCTCAACGCTTCAGATGAACGCGGTATCAGCATCGTTTCGAG
AGAAGGTCAAGAACTTTGCCCGTCAAACACCAAGAGCCAAGCGGTTCGCCTCAGATGG
GAAGGAATACCCATGTCCCCATACAAGATCATCATCCT

> Rfc2 (FG720)_*Hygrophoropsis aurantiaca*

CCGCCTGGAACAGGAAAGACATCTACAATCCTTGCATTATCTCGGCAGTTGTTCCGGGTA
CGTTTTAACTAACCTTCTTAGATGCAGAACTCCAACCTTGACTTTAGCCCAGACAACTTC
CGCAACCGAGTGCTCGAGCTCAACGCCTCTGATGAGCGAGGCATATCCATTGTTAGAG
AGAAGATCAAAAACCTTGTCTGCCAAACACCAAGAGCCAATGGTGGCTTCGGATGG
GAATACCTATCCATGTCCACCCTATAAAAATCATCATTCT

> Rfc2 (FG720)_*Phanerochaete carmosa*

CCACCCGGAACAGGAAAGACTTCAACTATCCTCGCTCTGGCGCGACAACTGTTCCGGGT
ATGTAACGCCTCTATGTCCAAGACGGAAGCCTCATTCTTCCCTCGGAAGGCCAGACAA
CTTCAGGTTCGCGTGTCTTGAGCTCAACGCTTCCGACGAACGAGGTATAAGCATCGTC
CGAGAGAAGATCAAGGACTTCGCTCGCCAGACCCCTCGCGCCAAGCCGCGTCTTCGG
ACGACAAAACGTACCCATGTCCGCCATACA AAAATTATAATCCT

> Rfc2 (FG720)_*Agrocybe pediades*

CCCCCGGCACAGGAAAGACATCGACAATATTGGCTTTGGCTAGACA ACTCTTTGGGT
AAGCCTTCTTGAATTAATCCACTCTCAGGTATATAACCGTATACTCAGACCAGATAACTT
TAAAAACCGAGTTCTCGAACTGAACGCGTCCGACGAACGTGGTATCTCAATCGTCCGC
GAGAAAATCAAAAACCTTTGCGCGTCAGACACCCAGAGCCAAGCCGTTGCTTCAGATG
GAAAGACATATCCCTGCCCTCCTTACAAGATCATCATTCT

> Rfc2 (FG720)_*Agaricus bisporus* var. *bisporus*

CCTCCTGGAACGGGCAAGACTTCGACCATCTTAGCCTTGGCGAGACAACTCTTCGGGT
AACTCACCCATCTCAATCATCATTCAACTCATGCACTTGGGCAACCAGACCCGACAAT
TTCAAAAACAGGGTACTCGAACTAAATGCTTCAGACGAACGAGGTATCAGCATCGTTC
GAGAGAAAATCAAAAACCTTTGCACGTCAAACCTCTCGAGCCAAGCCGTCGCTTCAGA
TGGCAAAAACATATCCATGCCCTCCCTACAAGATTATTATTCT

> Rfc2 (FG720)_*Gymnopilus chrysopellus*

CCTCCTGGGACTGGCAAGACCTCGACGATTCTGGCTTTGGCACGACAACTCTTTGGGT
ATGTTTTAGCTCGGCGCATACATATACTGATATAACATGCGATGGCAGGCCAGACAAC

TTCCGAAATCGCGTACTTGAATTAACGCCTCTGATGAACGTGGTATTGCAATTGTTCG
CGACAAAATTA AAAACTTTGCTCGCCAAACACCTCGAGCCAAACTGTTCGCCTCAGACG
GTA AAACATACCCATGCCCGCCTTATAAAATTATCATTCT

> Rfc2 (FG720)_*Mycena crocata*

CCACCAGGGACCGGAAAACATCAACCAATTCTCGCGCTTTCAAGGCAGCTCTTCGGGT
TCGACGTCTGCATAGGCGAACGCTCCGACTGACACCTTTCTCAGTCCTGATAACTTTTCG
TAACCGAGTTCTTGAGCTGAACGCGTCAGATGAGCGCGGAATTTCCATCGTTTCGCGAG
AAAATAAAGA ACTTCGCTCGTCAAACACCCCGTGCCAAGCTATTGCTTCCGATGGCAA
AGAATATCCGTGTCCACCTTACAAAATAATTATTCT

> Rfc2 (FG720)_*Trametes versicolor*

CCACCAGGGACCGGAAAGACATCCACCATCCTCGCCCTTGCCAGACA ACTCTTCGGGT
ACGTTACCCCACTATGCTCCAGAACGCTCGCAACTCACGCTCTCTCAGCCCTGAGAAC
TTTCGATCCCGCGTGCTCGAGCTGAACGCGTCTGACGAGCGCGGTATCTCCATCGTCCG
CGAGAAAATCAAGAACTTCGCGCGCCAGACGCCCCGCGCCAGGCCGTTTCAGCAGAC
GGCACCGTCTATCCATGTCTCCGTACAAAATCATCATCT

> Rfc2 (FG720)_*Coprinopsis cinerea*

CCTCCAGGAACAGGAAAGACATCCACAATCCTCGCTCTCGCCCGTGA ACTCTTCGGGT
GCGCCTACCTCCCAACCTATCTCCATCCCCATCTCCCCACAAAACAGCCCAGACAA
CTTCCGCAACCGCGTTCTCGAACTCAACGCCTCAGACGAACGCGGTATCTCCATCGTC
CGCGACAAAATCAAAA ACTTTGCCCGCCAAACACCCCGCGCCAGGCCGTCTCGTCAG
ACGGCAAAACCTACCCCTGCCACCGTACAAAATCATCATTCT

> Rfc2 (FG720)_*Gymnopus androsaceus*

CCACCGGGCACTGGAAAGACTTCGACTATTCTAGCTCTAGCAAGACAGCTTTTCGGGT
GCGTGTGCGGTCTCTAGACCTTGCTCTATGCTCATTTACTTTAGGCCAGACA ACTTTTCG
AGTCGTGTTCTCGAACTTAATGCTTCTGACGAACGAGGCATATCCATTGTACGCGATAA
AATCAAGAATTTTGCTCGGCAAACTCCTCGTGCCAAGCAGTGTCTTCCGATGACAAAG
TTTATCCTTGTCGCCCTACAAGATCATTATTCT

> Rfc2 (FG720)_*Stereum hirsutum*

CCTCCTGGAACGGGGAAGACATCCACTATTCTAGCATTGTCTCGTCAACTCTTTGGGTA
TGCAGACTGTTTTACTAGGACTTTGTGGACACTTACGTTACTCTCAAGACCAGATAATT
TCCGTTCTCGAGTCTTGGA ACTGAACGCCTCAGACGAACGAGGAATCGCCATCGTACG
TGAAAAGATCAAGAACTTCGCCGACAACTCCACGCGCCAAGCGGTCTCGTCAGAC
GGCAAGGCATACCCATGTCCGCCCTACAAAATTATTATTCT

> Rfc2 (FG720)_*Fomitopsis pinicola*

CCCCCTGGTACCGGCAAAACGTCTACCATCCTTGCAATTGTCAAGACAGTTGTTTGGGTG
CGCAATGATGTTTGACCTCCTAGGCTGAACTTAGACACGTCTTGCAGCCCAGATAACTT
CCGTTCAAGAGTACTTGA ACTCAATGCGTCTGACGAACGTGGTATCGCCATTGTACGTG
ACAAGATCAAGAATTTGCGCGACAAAACACCACGCGCCAGGCTGTTTCTTCTGACGGA

AAGACATACCCTTGTCCGCCGTACAAGATCATCATCCT

> Rfc2 (FG720)_*Amanita muscaria*

CCGCCTGGAACGGGCAAACATCTACAATTCTGGCATTAGCTCGTCAACTGTTTGGGT
GCGCGTTGTCCAGTAGTAAAGTGAAGTAACTGATACCGTTAAAAGTCCAGAGAATTT
TCGGAGTCGTGTCCTTGAATTGAACGCGTCAGATGAACGTGGTATCAGCATCGTCCGC
GAGAAGATCAAAAATTTTGC GCGACAGACGCCTCGCGCCAGGTTGTCTCCTCGGACG
GCAAGGTATATCCCTGTCCCCCTATAAAATCATCATACT

> Rfc2 (FG720)_*Lactarius quietus*

CCTCCCGGACAGGCAAACCTCCACCATCCTCGCCCTCGCACGTCAGCTGTTCCGGGT
GGGTCTCCACTCGAACTACACGGCGTTCGTA CTTGACGTCCACCAGGCCTGATAACTTT
CGATCGCGCGTCTAGAAATTAACGCGTCTGACGAGCGCGGCATATCCATCGTACGCGA
AAAGGTCAAGA ACTTTGCTCGTCAGACACCGCGCGGAGGCTGTGGCATCAGACGGA
AGAAGTACCCATGTCCGCCCTACAAGATTATTATCTT

> Rfc2 (FG720)_*Auricularia delicata*

CCTCCAGGAACGGGCAAACAAGCACAATCCTTGCACTTGCTCGACA ACTTATACGGGT
GCGCGTCTTCGCGTACAAATTGACTGGCTCATA CGCCCTCTCGTCTTAGGCCGACAAC
TTTCGTACGCGGTGCTCGAGCTCAACGCCTCCGACGAGCGTGGAATCACCATCGTCC
GCGAGAAAATCAAGGACTTTGCACGCCAAACGCCGCGCAACGTTGCCTCGAGCGA
CGGACAAACATATCCTTGTCCACCATAACAAGATTATCATCCT

> Rfc2 (FG720)_*Marasmius fiardii*

CCTCCCGGAACAGGGAAGACGTCGACAATACTTGCGCTGGCAAGGCAGCTTTTCCGGG
TCCGTGGCTCTTGACTTTTGGGTACGTATTTGCTCATCTCTTTTCTCAGACCAGATAACT
TTCGAACACGCGTTCTTGA ACTCAACGCATCGGATGAGCGTGGCATATCTATCGTTCCG
GAGAAGATAAAGAATTTTCGCGGTCAAACGCCTAGAGCAAGACGGAGTCCTCCGATG
GAAAGGAGTATCCCTGTCCGCCATATAAAATTGTTATTCT

> Rfc2 (FG720)_*Tricholoma matsutake*

CCCCAGGGACAGGCAAGACTTCCACCATCCTTGCCCTGGCACGACA ACTCTTTGGGT
ATGCTCCACATTACCTATTTTAGGATTACTGTTGAATGGACATACAGTCCGGACAATTC
CGCGAAAGAGTTCTAGAATTAATGCATCAGATGAGCGTGGAATTGGCATCGTCCGGA
ACAAAATCAAGGATTTTGCACGCCAAACGCCCGCGCCAAAAGCCTCTGATGGCAA
ATCATACCCATGCCCCCTTACAAGATCATCATTCT

> Rfc2 (FG720)_*Boletus edulis*

CCCCAGGAACAGGCAAGACATCCACGATTCTTGCGTTGTCGCGACAGCTATTTGGGT
GCGTAATCTGTTGGCTCCTATCGAGTGTTTCATTTTGGTTGTTTCCAGTCCTGACA ACT
TCCGCGAGCGGGTACTTGA ACTGAATGCATCAGACGAGCGGGGTATTTCCATTGTCAG
AGAGAAAATAAAGGTATTCGCTCGACAGACACCGAGGGCCAAAAGTTGCTTCGGAT
GGCAACCCCTATCCATGCCACCCCTACAAGATTGTCATTCT

> Rfc2 (FG720)_*Dacryopinax primogenitus*

CCACCGGGGACAGGCAAGACGAGCACCATCCTGGCCCTCGCTCGTCAACTATTCGGGT
ACGCCGTTTCATGTTCCCCACCATGTATGCTCACTTCCCATAGTCCTGAGCTCTTCCGTTT
CCGCGTGCTGGAAGTGAACGCCTCCGACGAACGAGGCATCACCGTCGTCCGAGAGAA
GATCAAGAAGTTTGCACGTCAGACCCACGCGCAGCGGACGATGAGGCGTCTAAGGG
ATACCCCTGCCCTCCGTACAAGATTATCATACT

> Rfc2 (FG720)_*Calocera cornea*

CCTCCCGGGACGGGCAAGACCAGCACCATCCTCGCGCTCTCACGAGAGCTGTTTCGGGT
ACGCCCAATCTCACCCGTACTGTGCTGCCACTGACCGAAGCAGACCCGAGCTCTTCCG
CTCACGCGTGCTCGAGCTCAATGCATCCGACGAGCGGGGAATTTCCGTCGTCCGCGAG
AAGATCAAGAAGTTTGCAGCGCCAGACGCCGCGCGCGGCGGACGCCGAGGCTGCCCGG
GGTTACCCCTGCCCCCGTACAAGATCATCATCCT

> Rfc2 (FG720)_*Ramaria acris*

CCTCCCGGGACGGGGAAGACTTCTACTATACTGGCTTTGGCTCGACAAGTGTGGGT
GAGCATCCATTGGGATTAACAATATTGTTGATATTGAATAAGTCCCGACAAGTTTCGCA
ATCGCGTACTGGAGCTAAATGCGTCAGATGAACGGGGTATCACGGTTGTCCGCGAAAA
AATCAAAACATTCGCCAAGCAAACCCCAAGAGCTGCCGTCAATACGGACGAGGGGCG
ATACCCGTGTCCACCTTATAAAATCATTATTCT

> Rfc2 (FG720)_*Gautieria morchelliformis*

CCACCCGGCACAGGGAAAACGTCTACGATCCTTGCCCTGTCTCGACAAGTGTGGGT
GAGCAGTGATGCATGTGGAACCGATAACATCATGCTTCTGATTGTTAGTCCGGACAAGT
TCCGTAATCGAGTTTTAGAGCTCAATGCATCAGATGAGCGGGGCATCACCGTCGTCCG
GAGAAAATCAAAACGTTTCGCGAAACAGACTCCAGGGCTGCCGTTTCTTCGGAAGGA
AAAACATTTCCATGCCACCCCTACAAAATCATTATCTT

> Rfc2 (FG720)_*Agaricostilbum hyphaenes*

CCGCCCCGGCACAGGCAAGACCTCTACCATCCTCGCTCTAGCCAAACAGCTCTTTGGCC
CTACCGTCTTCAGATCACGCGTGCTCGAACTCAACGCATCAGATGAAAGAGGTATTTCT
GTCGTGAGAGACAAGATCAAGAATTTGCCAAGATTGCACTCAGCACCCGCCGGCTAG
TGAGAAGGACTATCCTTGCCCACCTTACAAGATCATCATTCT

> Rfc2 (FG720)_*Asperigillus tritici*

CCTCCCGGTACGGGAAAAACCTCCACGATCCTCGCCCTCGCCAAATCCCTCTTTGGAC
CGGCCCTTACCGCTCCCGCATCCTCGAGTTGAACGCTTCCGACGAACGAGGAATTGG
TATCGTTTCGCGAAAAAGTCAAGGGCTTCGCCGAACGCAATTGAGCCAGGGGTGGGC
AAAGAATACTTCGAGCAGTACCCGTGTCCTCCGTTCAAGATCATCATCTT

> Rfc2 (FG720)_*Neurospora crassa*

CCTCCAGGAACGGGCAAGACCTCGACCATCCTTGCTCTCGCCAAGGAGCTCTACGGCC
CCGAAGTCAAGTCCCGCGTCTAGAGCTCAACGCCTCCGATGAGCGTGGTATCTC

CATCGTCCGCGAAAAGGTCAAAGACTTTGCTCGCATGCAGCTTACCAATCCCTCCGCG
GCTTACAAGGCGCGCTACCCATGTCCGCCCTTCAAGCTTATCATCCT

> Rfc2 (FG720)_*Rhizopus microsporus*

CCTCCTGGTACTGGTAAAACCTTCAACCATCTTGGCATTAGCACATGAACTCTATGGACC
TCAGCTGATGAAATCTCGTGTACTTGAATTAACGCTTCGGACGAAAAGAGGTATCGCA
GTTATTCGTGAAAAAGTAAAGGATTTCTCAAGAACGACAGTAACAAGAAAGTGAGGT
AATGACACTAAAAGGATATCCTTGCCCTCCATACAAGATTGTTATTTT

> Rfc4 (FG761)_*Boletus edulis*

AACGTATTCAAAGTTTGTGACCAACCCCATCCGGTAATAGTCCAAAGTATCATCCGCGC
GTGCATCAAGGGCGACATCAATAGTGCAATGGAAAAGTTAAACGAGCTGTGGGAACA
AGGGTACAGTGCAGTGGACATCGTCGTCACAATCTTCAGGGTGACAAAGACTTTTGAT
GAGTATGTCCAATGAACGATTGGCGGAACTATGGTTGATTCTTTTCATTAGACTACCGG
AATATACTAACTGGAGTATATCAAAGTACGAATAATTTCTTTGGTTTTGGTCATAAGAC
TCACTTTGTGCAGGAAATTGGATTTACACATATG

> Rfc4 (FG761)_*Trametes versicolor*

AATGTGTTCAAAGTCTGCGACCAACCACATCCAATCACCGTGCAAGCCATGATACGCG
CCTGCCTGAAAGGTGACATCGAAGGCGCGATGGATAAGCTGGACGAGCTTTGGGACC
AAGGATATAGTGCAGTGCACATTGTGGTACGGTCTTCAGGGTGGTCAAGACGTTTGA
CGAGTATGTCTACCTGCGAACAACGCGACCACTAGCTGACACTGGGCCCTATAGGATTC
CGGAGTACACAAAACCTTGAGTACATCAAGGTAAGGATTTTCGGAAACCTGGACGACGTT
GCAAGCTAATGGTCATTTTCAGGAGATTGGCTGGACGCACATG

> Rfc4 (FG761)_*Laccaria bicolor*

AATGTATTCAAAGTGTGCGACCAACCGCATCCTATCATCGTACAAGCTACGATTCGGGC
TTGTTTTAAAGGTGACATTGACGGTGCCATCGAAAAAGTGAATCAACTTTGGGAGCAA
GGGTACAGTGCAGTGGATATTGTGGTGACCATCTTCAGGGTGTGAAGATCTTTGACG
AGTAAGTGGCTGCGTTAGTCTCTTTTCCCTGTGCTGACGGTGATAGAATGCCGGAGTACA
CCAAACTGGAATACATCAAGGTTTCGTGAGAATCCATCCCTATCGGTTGAGTTAGATTTG
TGATATGCTTCTAGGAAATTGGGTTACACATATG

> Rfc4 (FG761)_*Gautieria morchelliformis*

AATGTATTCAAAGTGTGCGACCAACCGCATCCAATCGTCGTGCAAGCCATGTTACGCTC
GTGTCTCAAGGGCGAAATTAGCCCTGCTATGGAAAAGGCTTGATGAATTATGGAGCCAA
GGGTATAGCGCTGTTGACATCGTGGTAACCATGTTTCAGGGTAGTGAAGATCTTTGACGA
GTGAGTGTACCTTGCAACGTGTTGCAAAGGACGCCGCGTTCTACACGTTGCATAAAT
GGGAGCTGACCTTACCTCCAGGTTGCCAGAATATACAAAGCTAGAATATATCAAAGTTA
GTGGGCTTTTAGAGATTTCTGATATTTGCTTTTAAACCTTTCCCCCAGGAGATCGGATG
GACACACATG

> Rfc4 (FG761)_*Ramaria acris*

AACGTGTTCAAAGTGTGCGACCAACCGCATCCAATTGTTGTTCAAGGTATGTTGCGGG
CGTGTCTAAAGGGTGAATCAACCCAGCTATGGAAAAGCTCGATGAGCTTTGGGGCCA

AGGTTACAGTGCCGTGGATATTGTGGTGACAATGTTTAGAGTGGTGAAGGTGTTTGAC

> Rfc4 (FG761)_*Gymnopilus chrysopellus*

AATGTTTTTAAAGTCTGCGACCAACCACATCCGATCATAATACAAGCAACAATACGTGC
TTGCTTGAAGGGCGACGTTGATACTGCAGTCGAAAAATTAATGACCTGTGGGCTCAA
GGGTATAGTGCTGTGATATTGTGTGACTCTTCCGTGTTGTCAAGACATTTGAC

> Rfc4 (FG761)_*Agrocybe pediades*

AATGTATTCAAGGTTTGCACCAGCCGCATCCCATCATCATTACAGGCGACCATCCGTGC
ATGCTTAAAGGGCGACGTCGACACGGCGGTGGAAAAATTAACGATCTATGGGCACAA
GGTTATAGTGCCGTTGATATCGTTGTCACTATATTCCGGGTGGTGAAGACCTTCGATGAG
TAAGTGAATCAACAAATGGCAGTTGCAGTACCTCATGATCCTCTAGAATGCCGGAGTAT
ACGAAACTTGAATATATCAAGGTTGGTCTAGGGTTGACTTGCAGCAGTCGACGTAATAA
AGACTGATCAACTTCTCTACAAGGAAATTGGTTTTACGCACATG

> Rfc4 (FG761)_*Mycena crocata*

AATGTCTTCAAAGTCTGCGACCAACCCACCCCATCATCGTCCAGGCTATCATCCGCGC
CTGCGTAAAAGGGGATATCAACACTGCTATGGAGAAGCTGAATGAGCTTTGGGGGACG
GGATACAGTGCTGTCGACATCGTAGTGACGATATTCCGGGTGTTAAAACCTTTTGAC

> Rfc4 (FG761)_*Tricholoma matsutake*

AACGTTTTCAAGGTGTGCGACCAACCACACCCTATCGTTGTACAGGCCACAATCCGGT
CATGTATGAAAGGAGATATCGACGGTGCAATGGAGAACTGAACGAGCTTTGGGAGCA
AGGTTACAGTGCCATTGATATCGTTGTGACTGTTTTTCGTGTTGTGAAGACTTTTGAC

> Rfc4 (FG761)_*Pluteus cervinus*

AATGTGTTCAAAGTGTGATCAGCCACACCCCATACTGATACAAGCCACCGTCCGAA
GCTGTATGAAAGGTGACATCGAAGGCGCGATGGAAAGGTTAAACGAGCTGTGGGACC
AAGGGTATAGCGCAGTCGATATTGTGGTGACCTTGTTCAGAGTGGTGAAGACGTTTGAT

> Rfc4 (FG761)_*Amanita muscaria*

AACGTATTCAAAGTGTGCGACCAGCCGCATCCTTTGACTGTGCAAGATGCTATCCGTAG
TTGCATGAAGGGGGACATTGAGGGGCGCGATGTCAAAGCTCGATCTACTGTGGGATCAG
GGCTATAGCGCCGTGGACATTGTTGTACCTTCTTCAGAGTCGTCAAGACATTTGATGA
GTGAGTGCCATGGATTGACACATTCTTTCGACTCTAACGTGAGATTCAGGATTCGAG
TACTAACTAGAAATACATCAAGGTTTCGAGAATTCGTCTGTGAGAGTTTTTTGCACT
ATTAAAAGCTTAACAGGAAATCGGGTTCACACATATG

> Rfc4 (FG761)_*Marasmius fiardii*

AACGTCTTCAAAGTGTGCGACCAGCCACATCCAATTATCGTACAGGGGCTCGTCAGGC
AATGCATCAAGGGTGATGTCGATAAAGCTATGGATAGGCTCAATGAGCTGTGGGATCAA
GGATATAGTGCTGTGGATATCGTGGTGACGATATTCAGAGTGGTCAAGACTTTTGATGA
GTGAGCGTTATGTGGTTACTCCCGCTATAAATGCACTTACTTTTCGCTCTTTTTAGGATA
CCGGAATACACGAACTAGAGTTCATAAAGGTTGGCATCGACAGCGCGAATGCGTAT

CATGGACTTATTGCATATCTATAGGAGGTTGGATTACGCATATG

> Rfc4 (FG761)_*Fomitopsis pinicola*

AATGTCTTCAAAGTTTGGCGACCAGCCGCACCCCATTTGTCGTTCAAAGCATCATCCGGG
CATGCCTTCAGAGCGACATTGATGGGGCGATGGAGAAGCTCAATGAGCTCTGGGATCA
AGGCTATAGTGCGGTTGACATTGTAGTCACAGTATTCCGGGTCGTGAAGACCTTTGAC

> Rfc4 (FG761)_*Calocera cornea*

AACGTGTTCAAAGTGTGCGACCAGCCGCATCCCGTGCTCATCCAGGGGATGCTGCGCA
GCTGCCACAAAGGCGACATCGGGAGCGCAATGGAGAAGCTGGACGAGCTGTGGGATC
AAGGGTATAGCGCGGTGGATATTGTGGTGACGCTGTTTAGGGTGACCAAGACGTTCAA
TGAGTGAGCACTGCGTTACCAATATCATGCGCTTTGACTGAGTGGGTATCAGCTTGCCG
GAATACACAAAACCTGGAGTACATCCGGGTACGCTTTGTGCCACAAAATTTGGCGATAA
CACGGACTGACTGGATTACAGGAGATTGGATGGACCCATATG

> Rfc4 (FG761)_*Dacryopinax primogenitus*

AATGTCTTCAAAGTGTGCGATCAACCCGCATCCTGTGCTCATAACAAGCGATGCTCCGCAG
TTGCCACAAGGGCGATGTTCAAGGCACGATGGACAAGCTAGATGAGCTATGGGGTTCAG
GGTTACAGCGCGGTGGATATTGTGGTGACTCTGTTTACGGGTTACTAAGACGTTCAAT

> Rfc4 (FG761)_*Gymnopus androsaceus*

AATGTATTCAAAGTCTGCGATCAGCCTCATCCATAGTAGTTCAAAGAAATGATCAAGCT
GTGCTCGGAGGGAAAGGTGGACGCCGCGATGGACAAGCTCACTGACTTGTGGGAGAG
TGTTACAGTGCAGTCGACATTGTCGTGACGATTTCCGTGTAGTAAAGACAGCGGAC
AAGTAAGTTTTGCGCGATCCCTCTTTATTTCTTGTTTATTCAGGACGTCCACATAGTATT
CCCGAGTATACGAAGCTGGAATACATCAAGGTAATTTCCCGTGTACTAACAGTCCCGTA
TTTACTACAATATCTGTAGGAAATCGGCTTACACACATG

> Rfc4 (FG761)_*Fomitiporia mediterranea*

AACGTCTTCAAAGTCTGCGACCAACCACATCCTATCTTAGTACAAGCTATGATAAGGGC
TTGCATGAAAGGCGATATAAATACTACGATGGAGAACTTACTGAGCTTTGGGATCAAG
GGTATAGTGCTGTGGATATAGTTGTGACTATCTTTCGCGTGGTAAAGACCTTTGAT

> Rfc4 (FG761)_*Lactarius quietus*

AATGTCTTCAAAGTTTGGCGACCAACCCCATCCCATCGTCGTCAGAGTATGATCCGTGC
ATGCTCAAAGGCGACGTCGAAAGTTCCATAATTAAGCTTCGAGAGCTCTGGGACCAA
GGTTACAGCGCCGTGGATATCATTGTAACCATATTTTCGCGTCGTGAAGACCTTCGATGA
GTACGGCGCCTCCACCTTCGGCTCCCCACTCACACACTTACCGCATTTACGTTAGGCTG
CCGGAATACACAAGATTGGAATATATAAAGGTAGCGATCGGCCAACTGATTCCTTACG
TAGGATGCTTATTTTTGGCCCAGGAAATCGGCTTACACACATG

> Rfc4 (FG761)_*Schizophyllum commune*

AACGTCTTCAAAGTTTGGCGATCAGCCGCACCCCATCACCATTTCAGACCATCATCCGATG
TTGCTTGAAGGGCGATATTGACGGTGCATGGTGAAGCTGACGGAGCTGTGGGATCAG

GGGTACAGTGCGGTGGATATTGTAGTGACGTTGTTTCAGGGTGGTGAAGAACTTTGACG
AGTGC GTAACCTGCCCCGAATACGAAGGGGGCTTCTGCTGACACGATAACAGGATTCCGG
AGTACACAAAACCTGGAATATATCAAGGTACGTGATGACCAGCACGCATCTCGCAGTTCT
CGTGCTGACGTACGATAGGAAATCGGCTTCACGCATATG

> Rfc4 (FG761)_*Agaricus bisporus* var. *burnettii*

AATGTATTCAAATTTGTGATCAACCCACCCGATTGTCGTACAAGCTGCCATTCGGTC
ATGTCTAAAAGGAGACGTGGATGAGGCTCTAGGAAAAATAAAGGAACTCTGGGACCA
AGGGTATAGTGCTGTGGATATTGTGGTAACCTTGTTCAGAGTGGTGAAGACGTTTGATG
AGTGC GCATCGTTTCTGAACGCGATTCCGACTATTGCTGACAATGTTGTAGGGTACCA
GAGTACACCAAACCTGGAATTTATCAAGGTGGGTAGTGTGTTGGCGAGGACGAATTGAT
AATTAATGTTTGCATTGTAGGAAATTGGGTTTACGCATATG

> Rfc4 (FG761)_*Phanerochaete carnosae*

AACGTTTTCAAGGTCTGCGACCAGCCACACCCTGTGGTGGTACAAGCCATGATTCCGGT
CGTGTTTGAAGGGAGACGTTGAAAATGCGATGGAGAAGCTTAACGAACTCTGGAATCA
TGGCTATAGTGCCGTGGACATTGTGGTCACGATTTCCGCGTCGTGAAGACGTTTCGACG
AGTACGCTCCGTTTCGTCAGCAGATACTTTATGCATTGACGACGTATCTAGGATACCAG
AATACACGAAACTTGAATATATCAAGGTCCGTGCTTCCATTCCGGAGATGGACCCCAAT
TGACATCTGATCTTCTTGCATAGGAGATCGGCTTCACGCATATG

> Rfc4 (FG761)_*Serpula lacrymans* var. *lacrymans*

AATGTCTTTAAGGTGTGCGACCAACCACATCCAGTAATCGTGCAGAGCATTATCCGCGC
CTGCCTGAAGGGTGATATCGATGGGGCTATGGGGAAGCTGAATGAACTCTGGGAGCAA
GGTTACAGCGCAGTTGATATTGTAGTGACGGTGTTCAGAGTCGTGAAGACATTTGACG
AGTAAGTGCAAAGTACATCACGATGGCCGACAACCACGTACCAACTAATATCTTTTCAGA
TTACCTGAGTATACCAAATTGGAGTACATCAAGGTAGATTAACCTCTTTTTGTAGTGATAG
TTCATCATCTGACCCCCCAGCATCAAGGAAATTGGGTTTACGCACATG

> Rfc4 (FG761)_*Stereum hirsutum*

AATGTCTTCAAAGTTTTCGATCAGCCACATCCGATCATCGTCCAGACCATCATTTCGCGC
TTGTATGAAGTCAAATGTTGACCTCGCGATGGAGAAGTTGTTCGGAGCTCTGGGGACAA
GGTTATAGCGCAGTAGACATTATTGTACGATTTCCGTCGTCAAGACATTTGATGA
GTGCGTCTCCATGTCGTTTCCGAGCTCGTTTGGCTGATTAGCACTGCGTAGGCTCCC
TGAATATACTAAGCTCGAATATATCAAGGTTTCGCTCCCCCTATTCTGCGACTGAGCATA
GACTGATGCGATCTTATTAGGAGATCGGCTTTACCCACATG

> Rfc4 (FG761)_*Coprinopsis cinerea*

AATGTGTTCAAAGTCTGCGACCAGCCACACCCTATTGTTGTGCAATCCATGATTTCGAGC
TTGTCTAAAAGGAGAGATCGACCCTGCACTCGAAAACTACACGAACTGTGGGATCA
GGGGTACAGTGCTGTGGACATTGTCGTTACTCTTTTCAGAGTGGTCAAGACCTTTGAC
GAGTTGAGTTGTTTCAAGGTTTTCCATTTTCGTCCTAAAGCCGTTAATTAATTATCCTTG
CAGCATGCCCCGAGTATACGAACTGGAGTATATCAAGGTTCAGTTCCAGCGCCGCTCAA
AGATAGTTAATTATGCTGAGTGAGGTTTGGCAGGAAATTGGGTTTACGCACATG

> Rfc4 (FG761)_*Auricularia delicata*

AATGTGTTCAAAGTCTGCGACCAGCCACATCCAACGATGGTGCAGAAGATGATGAGGT
CCTGCAAAGAGGGAAACATCAACGACGCCATGGACCACTTGACGGCACTGTGGAGGC
AAGGGTACAGCGCCGTCGACATTGTCTGACAATTTCCGAGTGGTCAAGGTTTTCGA
CGAGTGC GTTCTCCGCATGCGGGTCTCCTTAAGCTGACCCCTTGCTAGGCTACCGGAA
TATCTGAAGCTCGAATTCATCAAGGTGCATTTATCATAAAGCGATAATGGCTATGACCGG
ACTGACCGACGTGCAGGAAATTGGCTTTACTCACATG

> Rfc4 (FG761)_*Agaricostilbum hyphaenes*

GCCGTCTTCAAAGTCTGCGATCAACCGCACCCGACTGTCGTGCAAGATATGCTGCTCG
CTTGCTACAAAGGAGACATCACACTTGCTATGGATCGACTGGATGGATTGTGGAAGCA
AGGGTACGCGGCGGTGGATATCGTCAGCACCATCTTTAGAGTGGCCAAGACCTTGCCA
GATCTACCGGAGTACATGAAGTTGGAGTTCATCAGGGTATGTGTTGAGTCTCAGTGTCTG
GTACGAAAGAGACTGACGGCTTGAGGTCCAACAGGAGATTGGGTTTGCACATATG

> Rfc4 (FG761)_*Asperigillus triticus*

AACGTGTTTTCGAGTTGTGATAGCCCTCATCCATCAAAGTGCAAGCTATGATCAAGGC
TTGCTGGGAAGGCAAGGTGATGCTGCGCTGGAGACGCTTAATGAGCTATGGTATGTG
ATGTTTTTTATTGCAAGCTTCGAGGTCAATTTGTCACTGACATGTGCAGGAACCTGGGGT
ACTCCTCGCACGATATCATCAGCACGATGTTCCGAGTCACCAAGACCATTCCGACATTG
TCCGAGCATTCTAAATTGGAGTTCATCCGGGAGATTGGCTTCACGCACATG

> Rfc4 (FG761)_*Neurospora crassa*

AATGTCTTTAAAGTTGTGGATAGCCCGCACCCGATCAAGGTGCAGGCGATGCTCAAGG
CCTGCTACGAGGGTAATGTTGATGCGGCTCTGGACGGGCTGCGGGAGCTGTGGGACCT
GGGGTATTCCAGTCATGATATTATCAGCACCATGTTCAAGGTCACAAAGACGATTCCGA
CGCTGAGCGAGCACGCTAAGCTCGAGTTTATCAAGGAGATTGGGTTTACGCATATG

> Rfc4 (FG761)_*Rhizopus microsporus*

AATGTCTTCAAAGATTTGTGATCAACCTCATCTATTGTCATTCAGCATATTCTCAAATGC
TGCTCTGAAGGAAACTTGAATGAATCTGTCAAGTGCATGGAAGAATTATACTATTTAGG
ATATTCTTCACTTGATATCATCACCAATCTTTTCGTGTAGTGCGAAGCTATGATGAACT
AGATGAAGGATTGAGATTGGACTATTTGAAAGAGATTGGTATGACACATATG

> Rio2 (MS481)_*Agrocybe pediades*

CGGCTAGCAGCAGAAAAAGAGTATGCTTTTATGAAGGTAAGGCAGTAACATATATTCTG
ACGCCTTGTCGCTACGTTTAGATTCTACATGAGCATAATTTCCCTGTACCTCGACCTATC
GACCAAGCACGCCACACCATTCTCATGGAATTCATTGATGCCTACCCATTGTGAGAATC
TTGCTTTCTTGACGCTTACGGGAATAGACGCCAAGTTTCAGAAGTAGCAAATCCCCG
GAAAGCTTTACTCTGAATTAATGGACGTCATCGTTCGTTTTGCTCAAGCAGGACTTATC
CATGGCGACTAC

> Rio2 (MS481)_*Trametes versicolor*

CGTCTCGCTGCCGAGAAGGAATACGCCTTCATGAAGGTAGATTATCACCGCTGCCGCA
CCTTCGTTACCAAGCCCGCTAGGTGCTCTACCAACACGATTTCCCTGTCCCACGCCCCG
TCGACCAGGCGCGGCATTGCATCCTAATGGGATTCATCGATGCATACCCTCTGTAAGCT
TTCGTTCTATCCAGCTTCTTTCCAATACAGTCGGCAGGTTGCGGACATCCCGTCTCCA
GGGAAACTCTACTCGGAGCTTATGGACCTTATTGTCCGTTTTGCGCGCGCAGGGCTCAT
TCACGGCGACTTC

> Rio2 (MS481)_*Coprinopsis cinerea*

CGTCTCTCCGCGCAGAAAGAATATGCCTTCATGAAAGTATATACGTCTCTTCTCGTCC
TTGAGAATCACTCGATTAGGTGCTTTATGAACATGGTTTCCCATAACCAAAGCCCATC
GACCAAGCCAGACATTGCGTACTGATGGAATTCATAAATGCCTACCCGTTGTAAGATTA
TTTTCCCTATGAGATTCACATGACAATAGGCGACAGATATCAGAAGTGCCGTCTCCAGG
AAAGCTCTATTCCACGTTGATGGACCTCATCGTCCGCTTTGCACAAGCAGGCCTTATCC
ACGGCGATTTTC

> Rio2 (MS481)_*Tricholoma matsutake*

CGTTTAGCAGCACAAAAGGAGTGGGCTTTCATGAAGGTAGCTCTGATTTATGAATATGG
TATCGGCACTTACATTTGTAGGTGTTGCATGAACATGGGTTTCCTGTTCCCTCAGCCGATT
GACCAAGCAAGGCATTGTATTTTGTATGGAATTCATCGATGCCTATCCTCTGTAGGCCCTT
TTGGCCTCGTTTTTCATCACGTAAACAGCCGTCAGATCTCCGAAATACCTTCCCCGGGG
AAGCTCTACTCAACGCTCATGGATTTGATCGTGCGATTTGCCCATGCAGGACTAATCCA
TGGTGACTTT

> Rio2 (MS481)_*Schizophyllum commune*

CGTCTTGCTGCCCAGAAGGAATGGGCTTTCATGAAGGTGCGTTCGATTGACGGCGCTCG
GGCTCCCTGACAGTGCTCGAAGGTCCCTCCATGAGCACGACTTCCCAGTACCCAAGCCC
ATCGACCAAGCGAGACATTGCATCCTGATGGAGAAAATTGACGCCTACCCATTGTACGT
CCATCTCTCGTTCGTTTCGGTCAAGCGCCCGCAGACGACAGGTTTCCGAAGTACCGAACC
CAGGAAAGCTATACTCGACTCTCATGGACCTCATCGTGCGCTTCGCTCAAGCAGGCCT
GATCCACGGTGACTTT

> Rio2 (MS481)_*Auricularia delicata*

CGTCTAGCCGCGCAAAGGAGTGGGCGTTCATGAAGGTACGCTCGTTCATGTCAATG
GATCCTTCGCTGAATGCGAAAGGTCCTGCATGAACACGGCTTCCCCGTCCCTACACCA
ATCGACCAAGCGCGGCATTGCATCCTTATGGAACCTATTGACGCGTATCCTCTGTAAGT
CGTCCCACCAATCCTACACAGTCCTTGTAGACGACAAATCGACGAGACCCGAACC
CTGGCCAGCTCTACTCGACTCATGGACCTCATCGTGCGCTTCGCTCAGGCGGGGCT
GATCCATGGCGACTTC

> Rio2 (MS481)_*Mycena crocata*

CGTTTGGCGGCGCAAAGGAATGGGCTTTTATGAAAGTAAGGAGCTCCTTGCTAATAA
TCCCAATCATAATATTCTAGGTGCTTCATGAACATGACTTTCCAGTTCCCCGACCCAT

CGATCAAGCAAGGCATTGCATACTGATGGAGTTCATCGATGCGTACCCTCTGTAAGTTT
TCAGTATTTTACTGGATCAAACCTCTACTAGCCGGCAGATAGCAGAAGTCCCCTCCCCAG
GAAAACCTATATTCTACGTTAATGGATCTAATTGTGCGGTTTGCACACGCAGGACTCATCC
ACGGTGACTTT

> Rio2 (MS481)_*Pluteus cervinus*

CGTCTGGCAGCACAGAAGGAGTGGGCCTTCATGAAAGTATGGGACTTTGTGGTATCTT
TGCCAGCTTCTGATCAAAATAGGTGCTACATGAGCATGACTTTCCCGTGCCCAGACCAG
TGGACCAGGCGCGTCAATTGTATACTCATGGAGTTCATTGACTCATATCCGCTGTAAGGA
AATCACTTGCCTTTTGTATTGACCATCTGCAGGCGTCAGATCGCGGACATAACCATCACCG
GGGAAGTTGTATTCAACCCTTATGGACCTGATCGTCCGGTTTGTCTCAAGCGGGGCTGAT
ACACGGCGACTTC

> Rio2 (MS481)_*Laccaria bicolor*

AGATTAGCAGCTCAAAGGAGTGGGCCTTCATGAAGGTTTGAGATGCAAGTTTGAAGC
GACGAATATCTAAGGCCTCTAGATCTTGCACGAGCATAATTTCCGGTACCCAGGCCGA
TCGACCAAGCAAGGCATTGTATTTTGTATGGAATTTATAGATGCATATCCCTTGTACGAAT
TTGACAATCTTTCAATAACAGACAATTAGACGACAGGTTTCGGATGTAACCTCACCGG
GGAAGCTGTATTCGTCCCTGATGGACATAATCATCCGATTCGCCCATGCAGGCTTGATTC
ACGGCGACTTC

> Rio2 (MS481)_*Gymnopilus chrysopellus*

CGATTATCTGCCCAAAGGAATGGGCGTTCATGAAGGTTGGTTTCCCTTTTCCATAAACG
AGCCTTTGCTGAATCTGTGATTCAGATTCTCCATGAACATGGGTTTCCCTGTGCCTCGTCCAAT
TGATCAAGCACGCCACTGTGTCTTGATGGAATTCATTGACGCATATCCTTTGTACGGGC
ACCTTTGTCTCATATATGACAACATTCAGACGTCAAGTATCGGAAGTGGAAAATCCAG
GCAAGCTGTACTCGAGTCTCATGGATGTCATCGTTTCGATTTGCCCAAGCTGGCCTGATT
CATGGAGATTAC

> Rio2 (MS481)_*Gymnopus androsaceus*

AGATTAGCTGCACAAAAGAGTGGGCCTTTTATGAAGGTAAGGATAACCCTCTAATCATC
TGGTGGCTTCATATGACATAGGTTCTACACGAGCATGGCTTCCCTGTTCCGACACCCAT
TGATCAAGCGAGACATTGTATTCTTATGGAATTCATCGATGCATACCCTCTGTCAAGTCC
CAAGCTGCTCTCAGTCCCCGGTCCCTTAGTCGTCAAATAGCTGACGTCCCTTCTCCCGG
CAAGTTATATTCCTCACTCATGGATCTTATCGTGCGGTTTGCACGGGCGGGTTTGATAACA
CGGCGATTTC

> Rio2 (MS481)_*Marasmius fiardii*

AGGCTAGCAGCCCAGAAAGAATGGGCGTTCATGAAGGTGACGGATATGTTTCCGTTGC
GGCCCATGACACGACGATCAGGTGTTATATGAGCACAACCTCCCAGTCCCAAAGCCC
ATTGATCAAGCCAGACACTGTATATTAATGGAATTCATCGACGCATATCCTCTGTAAGTA
TCAAGTTTTTATTTTTCTGAATGGGAATAGCCGCCAAATAGACGATGTTCCGTCTCCG
GGGAAGCTATACTCCTCCCTCATGGATCTCATTGTGAAATTTGCTCGAGCTGGACTCAT
TCATGGAGACTAC

> Rio2 (MS481)_*Serpula lacrymans* var. *lacrymans*

CGTCTGGCTGCACAAAAGGAATGGGCCTTCATGAAAGTTCGACCCGTTCCCTTTCACTT
CATTCTGACTTAAAAAATAGGTGTTATACGATCATGACTTCCCCGTCCCACGTCCCAT
AGACCAAGCAAGACATTGCATTCTCATGAGCCACATCGACGCATACCCATTGTAATGCT
CCTTACCCCTCTCAGTCCCTACCCCAACAGACGCCAAATAGCTGAGGTTCCCAATGCCG
GAAAACTTTACTCCACACTGATGGACCTCATTGTCCGGTTTGCCCCGCTAGGGCTAATA
CACGGCGACTTC

> Rio2 (MS481)_*Agaricus bisporus* var. *burnettii*

AGACTAGCCGCTCAGAAGGAATGGGCCTTTTATGAAGGCCGGTGAAGTACTAGACTCCCA
ATCAAGCTGACCCGATCGACAGGTGTTGTACGACAATGGCTTCCCGGTCCCTAAGCCC
ATTGACCAAGCACGGCATTGCATTCTCATGGGATATATCGATGCTTATCCGCTGTGAGTT
CGCTATCCAGAGCAGGCGCTTCTTGTCAGGCGTCAGGTCGCTGAGCTACCCTCTCC
TGGAAGATTGTACTCCAAATTGATGGATCTCATCGTCCGCTTTGCTAATGCAGGCCTCAT
ACATGGCGATTTTC

> Rio2 (MS481)_*Lactarius quietus*

CGGTTAGCGGCGCAAAAAGAGTGGGCGTTCTTGAAGGTCTGCCCGCTGCCTCGAAAT
GTTTGACATTCTCATCTTGACAGGTTTTGCATGAGCACCAGTTCCCTGTGCCCCGGCCA
ATAGACCAAGCCAGGCATTGTATACTGATGGAGTTCATTGATGCCTATCCATTGTGAGTA
GAAGTCTAGACTCGATTTACGATGACAAAGGCATCAAATCGACCAGGTTCCCTTACC
TGGTAAACTCTACTCTCAGCTGTTGGACTTGATCGTCCGGCTTACACACGCTGGACTTA
TTCATGGCGATTTTC

> Rio2 (MS481)_*Ramaria acris*

CGACTGGCAGCACAGAAGGAATGGGCCTTTATGAAGGTATGAAACTGTGATAAGTGAC
TTATCAGACTTCAGTTTTCCAGGCATTGCACCAACATAATTTTCCGGTTCCAAAACCAA
TCGATCAAGCCAGACATTGCATACTTATGGAACTCATTGATGCATACCCACTGTAAGTG
ATGATCAAGATGTTGCTGATTGGCTGCCAGACGACAAGTCGCTGAAGTTGAGTCTCC
TGGACATCTACTCAACCTTAATGGACGTTATTGTAAGATTTGCGCATGCCGGTCTTAT
ACATGGTGATTTTC

> Rio2 (MS481)_*Gautieria morchelliformis*

AGACTAGCAGCTCAAAAAGAATGGGCATTCATGAAGGTACGACTTGCCGTGTCATCCT
TGGGATAATATGCAAATTTTAGGTGTTGCATGAGCACGATTTCCCCGTCCGAGACCGA
TAGATCAAGCCAGACACTGTATATTGATGGAACTCATGGACGCATATCCACTGTGAATC
ACGTCATCGCGTGGGTGGGTTGTCTTTTCAGGCGGCAAGTGGCGGAGGTCGACTCCCC
AGGTCGACTCTACTCGACGCTCATGGACATAATCGTGCGGTTTGCACGTGCTGGTCTCA
TCCATGGTGATTTTC

> Rio2 (MS481)_*Stereum hirsutum*

CGGTTAGCTGCTCAAAGGAATGGGCATTCATGAAGGTAGATTCTTTGTGTCTCGCTTG
GCTCGGCTCATCATTTGACAGGTTTTACACGAACACGACTTCCCCGTCCCGCGACCTAT

CGACCAAGCCAGACATACTATCCTTATGGAATTCATCGACGCGTACCCACTGTAAGTCC
TTATTCGCCTGGCTCGCCGCGGTGTCTTAGACGTCAGATAGATGAAGTCGCCTCGCCAG
GCGAGCTGTATTCCAAACTTATGGATGTTATTGTTTCGTTTCGCACGCGCCGGACTTATCC
ACGGCGACTAC

> Rio2 (MS481)_*Amanita muscaria*

CGGTTGGCAGCTCAGAAAGAATATGCATTTATGAAAGTGGGTCCACAAGTCCAACGAC
CGCCCGTTACTAATTGCCAAAGGTTCTCTACGATCATGGCTTTCCCGTTCTCGACCTAT
TGACCAAGCGAGACATTGTATCCTGATGGAGCTGATTGACGCCTACCCACTGTATGTCC
TAATCCATGACTTCTCGGCTCATGAATCAGACGACAAGTTACCGACGTACCTTCTCCAG
GAAAGTTGTACTCTACACTGATGGACATGGTTGTCCGCTTCGCTAAAGCTGGTTTAATT
CATGGTGATTAC

> Rio2 (MS481)_*Phanerochaete carnososa*

CGTCTCGCCGCACAAAAAGAATACGCCTTTATGAAGGCAAGCATATCTTTTAGTCGGCC
TGGTCTTACGGACTTCGACAGGTCCTTTACGAGCATGACTTCCCGGTGCCTCGCCCGAT
AGACCAGGCACGGCACACGATTTTGTATGGAGTTCATTGATGCGTACCCTCTGTGACGT
GCCTGTGTCACCAGCCACCGAGCCGTTACGCCGACAAGTTTCTGACGTGGCCTCGCC
TGGGGCCTTGTATTCGACTCTTATGGACCTCATTGTGCGCTTTGCCACGCCGGACTGA
TCCACGGCGACTAC

> Rio2 (MS481)_*Hygrophoropsis aurantiaca*

CGGCTAGCCGCTCAAAAGGAATGGGCATTCATGAAGGTGCCGTCCGCGAATTCAGAT
AGAATAAAGCTTATCCGCGCAGATACTGCATGAGCACAACCTTTCCTGTTCCCGACCGA
TAGATCAAGCCCGCCATTGTATTTAATGGAAGCTATTGATGCTTATCCATTGTGAGCCC
CTGATCAAATTTCTTAAGCGCTAAGTGAAGGCGACAAATATCAGACGTACCATCGCCGG
GCAGGTTGTATTCGACATTAATGGACATCATCGTTCGGTTCGCACAAGCCGGGCTTATA
CACGGAGATTAT

> Rio2 (MS481)_*Boletus edulis*

CGCCTTGCTGCAGAAAAGGAATGGGCATTCATGAAGGTCTGTGTCGACGGTCTAGTAA
TAACGAGTATTAGCATTGTCAGATCCTCCACAAACACCAATTTCCCGTCCCGCGACCTA
TTGATCATGCCCGCCACTGTATCCTTATGGAGGCGATTGATGCCTATCCACTGTAAGTCA
ACCAGAAAAATCACGGAGTACGTTGTCCAGGCGGCAGATCTCCGACATTTTCGTCACCT
GGAAAATTGTATTCAACGTTGATGGACATCGTTGTACGTTTTGCTCGTGCGGGGTTAAT
CCACGGCGATTAC

> Rio2 (MS481)_*Fomitiporia mediterranea*

AGACTCGCCGCTCAGAAAGAATGGGCGTTCATGAAAGTAAGTCTTTCTTGAATTAGG
TGTTGAATGGAAGGTTTATAAGGTCTTGACAGGACACGGGTTTCCCGTACCAACTCCGA
TAGATCAAGCTAGACATTGCATAGTCATGGAGTACATCGATGCTTTCCCATGTAAGTTG
ACAGGCGCCTCTAGTGCTTGTCTTGACAGACGACAAATAGCTGAACTACCTTCACCG
GGAAAATTTACTCTCAGCTTATGGACCTCATAGTCCGCCTGGCTCATGCCGGTCTGAT
ACACGGAGACTAC

> Rio2 (MS481)_*Fomitopsis pinicola*

AGGCTCGCCGCGGAGAAAGAATGGGCGTTTATGGTCCTGCACGAGCATGGCTTCCCCGG
TGCCCAAGCCGGTTCGACCATGCGCGCCACTGCATCCTCATGGAATTCATCGACGCATAT
CCTCTGTGAGCCCTCCGCGTCGTCCAGTGATACCGATGCACAGTCGGCAAGTAGCAGA
CGTACCCTCGCCAGGCAAGTTATACAGTGAACCTCATGGACCTCATCGTGCGCTTTGCC
GTGCGGGACTTATCCACGGTGATTTT

> Rio2 (MS481)_*Calocera cornea*

CGCCTAGGTGCAGAGAAGGAATACGCGTTCATGAAGGTACGTTACCTCCTCGTCCAT
TGCTGAGTATCATTCCCTTCAGGTATTGCACGAGCACGGCTTCCCCGTCGCGCCCCA
TCGACCAAGCCCGGCACACGATCCTCATGGAGCTGATCGACGCATACCCCTTGCGGCA
GATCGCCGAGCACCCCAACCCAGGCCAGCTATACAGTACACTAATGAGCCTGATTGTG
CGCCTCGCGCGGGCCGGGCTCATAATGGGGATTTT

> Rio2 (MS481)_*Dacryopinax primogenitus*

CGGCTAGCCGCTCAAAGGAATATGCATTTATGAAGGTATGAGTAACTTGAAGGACATT
GTTGAGTGCTCACTATCGCAGGTGCTGCACGAACACGGTTTCCCTGTTCTCGTCCAAT
CGACCAAGCGCGCCACACTCTACTTATGGAGTTGATCGACGCCTACCCCTTCGTCAGA
TTGCGGAACACCCAAACCCGGGCCAGCTTTATAGCACCCCTCATGACCCTGATCGTCCG
CCTTGCACGGGCAGGGCTAATACACGGCGACTTC

> Rio2 (MS481)_*Agaricostilbum hyphaenes*

AGATTGGCAGCCACTAAGGAGTATGCATTCATGAAGGTGGGGAACAAAGGTCTTTCTT
TGAGCGTCGCTGAGTCTTTCAGGTCTTATACGACAATGGCTTCCCAGTGCCCAAGCCTG
TAGATCAAGTGCGGCACTGTGTGGTTATGGAGCTCATAGATGCTTTCCATTGTGAGTC
GGCTCTGAGTTTCTCTCTACGTCCATAACAGACGACAAGTCGAGGAAGTCGGCAACCC
CGGCGCGCTCTATTCAACTCATGGACCTCATCGTCAGATTGGCGCGGGCAGGTCTCA
TCCATGGCGACTTC

> Rio2 (MS481)_*Rhizopus microsporus*

AGATTAGCTGCCATGAAAGAATATGCGTTTATGAAGGTGTTGTATGAACATGGATTTCTT
GTGCCTGAACCCATTGATGCCAACAGACATTGTGTCGTGATGGGACTGATTGATGCTTT
CCCACTGTAAGTAGTTGGACTAAGCACTCATAACATGTCCCAAGTCGACAGATAGAAC
AAGTAGCCGACCCTGGCAAGCTTTATTGAGAATTGATGGATTGATTGTCAAATTAGCC
CAGTATGGACTTATTCATGGAGATTTT

> Rio2 (MS481)_*Asperigillus tritici*

CGGCTGGCGGCGATGAAGGAATTCGCGTTCATGAAGGCATTGCGGGCGAATGGGTTCT
CGGTGCCCCGAACCCATCGCGCAGAACCACACGATCGTCATGAGTTTGATAGATGC
CTTCCCCTGCGCCAGATCTCCGAGGTTCTCGGCCTGCAGAGCTTTACTCCGAGCTCA
TGGATATGATCATGCAACTTGCGCGATTTCGGACTGATCCACGGTGACTTT

> Rio2 (MS481)_*Neurospora crassa*

CGGCTTGC GGCCATGAAGGAATATGCCTTCATGCAGGCTCTCCAAGAAGAAGGCTTTC
CCGTTCCCGAACCGATTTCCAGTCCCGACACACTATCGTCATGAGCCTGGTTCGAGTCC
CTACCACTTAGACAGGTCTCCTCGGTTCCAGACCCCGAGCCTCTACGCTGAGCTTAT
CGACCTCATCCTTCGATTGGCCAAGCACGGGCTCATCCATGGTGATTTTC

>Rpa135 (MS493)_*Agrocybe pediades*

GGCATAACGGGTCAAGAGTTTGCTGCAGACATCTATATTGGGTCGTGTACTACCAACGC
CTGCGTCACATGGTGTTGGACAAGTTCCAGGTTCTGACGACGGGCCCTGTTCGATCCTG
TTACGCGACAGCCGGTCAAAGTGAGTAACTACTGCACGAGACTTATGCCGGACGCAGG
GTCGCAAACGTGCTGGAGGTATCCGTTTCGGAGAGATGGAACGCGACGCTCTGATTGC
ACACGGCACATCCTTCTTACTTCAAGACAGATTG

> Rpa135 (MS493)_*Trametes versicolor*

GGGATCACCGGGCAAGAGTTCGCAGCGGACATCTACATCGGGTCGTCTACTACCAACG
TCTGCGGCACATGGTGCTTGACAAGTTCCAGGTGCGGACGACGGGCCCGTCGACCCT
GTGACGCGCCAGCCCGTAAAGGTGAGCACGTCCCGCCCCAAACACCACCTTTGTGCA
GGGCCGCAAACGCGCAGGTGGTATCCGTTTCGGCGAGATGGAGCGCGACGCGCTCATC
GCGCACGGCACCGCGTTCCTCCTCCAGGATCGCCTC

> Rpa135 (MS493)_*Phanerochaete carnosae*

GGCATCACCGGGCAGGAATTCGCTGCAGACATCTACATTGGGTTGTATACTACCAGCGT
CTGCGTCACATGGTGTTGGATAAGTTTCAGGTTTGAACAACCTGGTCCTGTTGATCCCGT
TACCCGGCAGCCCGTGAAGGTATGCTTCGACAAGCTCATCTTGCATAGGGTCGTAAAC
GCGCCGGTGGCATCCGTTTCGGGGAGATGGAACGCGACGCGCTCATCGCGCACGGTAC
TTCCTTCCTCCTGCAAGACCGTCTC

> Rpa135 (MS493)_*Boletus edulis*

GGCATCACTGGTGATGAATTCGCAGCGGACATCTACATCGGGTTGTATATTACCAGCGT
CTCCGTCATATGGTCCTCGACAAGTTTCAAGTTCGAACAACCTGGTCCTGTGGATGCCCT
CACCCGCCAGCCTGTCAAGGTACGTTTCTTACGGTGTTCGACAACGTTGGACAGGG
TCGCAAACGTGCAGGTGGTATCCGTTTCGGAGAGATGGAGCGCGATGCACTGATCGCA
CACGGCACCTCGTTCCTTTTACAAGATCGTCTC

> Rpa135 (MS493)_*Schizophyllum commune*

GGCATCACTGGCCAGGAGTTCGCCGCCGACATCTACCTGGGGTGGTCTACTACCAGCG
TCTTCGTCACATGGTGTTGGACAAGTTCCAAGTCCGTACGACTGGTCAGGTCGACCCG
CTCACGCGGCAACCCGTCAAGGTAAGTTATGTCATTTTCGTTACTTACACGCTCCTTAGG
GTCGTAAACGCGGTGGTGGTATCCGTTTCGGGAGAGATGGAGCGTGACGCGCTCATCGC
CCACGGAACGTCCTTCCTTCTTCAAGACCGCCTC

> Rpa135 (MS493)_*Fomitopsis pinicola*

GGCATCACCGGGCAGGAGTTCGCAGCCGACATTTACATCGGGTCGTGTACTACCAGCG
CCTCAGGCACATGGTGCTTGACAATTCCAGGTGCGAACGACAGGGGCCCGTCGATCCA

CTCACACGGCAGCCAGTGAAGGTGAGTCGATCGTAGAACCGTGACCGTGTCTCGCA
GGCCCGCAAGCGCGCGGGAGGTATCCGCTTCGGCGAGATGGAGCGCGACGCACTGAT
CGCCACGGCACGTCGTTCCCTCTCCAAGACAGGCTC

> Rpa135 (MS493)_*Auricularia delicata*

GGCATCACCGGCGAGGAGTTCGCCGCCGACATCTACTTCGGGTCGTGTACTACCAGCG
TCTGCGTCATATGGTGAACGATAAATTCCAAGTGC GGACGACTGGCCCCGTGGACAAA
CTCACACGGCAACCCGTGAAGGTTAGTTCGCCGACTTCGGAGGCTTGCGCTCTGCAG
GGCCGGAAACGTGCTGGTGGTATTCGTTTTGGCGAGATGGAACGCGACGCTCTGATAG
CGCACGGCACGTCGTTCTTGTGCAGGATCGGCTG

> Rpa135 (MS493)_*Mycena crocata*

GGTATTACCGGCCAGGAGTTTGCAGCCGACATTTACATCGGGTTGTCTATTACCAGCGC
CTGCGACACATGGTCTTGGACAAGTTCCAAGTCCGAACGACGGGTCTGTGCATCCTG
TCACAAGACAGCCCGTCAAGGCGAGTTATTTATCGATCTTCTGTGATCATCGTAGGG
ACGAAAACGCGCCGGAGGCATCCGTTTCGGAGAGATGGAGCGCGACGCGCTCATCGC
ACATGGGACGTCTTTCCTACTACAAGACCGATTA

> Rpa135 (MS493)_*Serpula lacrymans* var. *lacrymans*

GGCATAACTGGCAAAGAGTTCGCTGCCGACATCTACATCGGGTTGTCTACTACCAGAG
ATTGCGACACATGGTGTTAGACAAATTCCAAGTGC GAACAACAGGCCCGGTGGATCCT
GTCACCCACCAGCCAGTAAAGGTATGTGCCTATTGGTTTGTGATTGTGCTGCTTTTAGG
GTCGTAAGCGCGCAGGTGGTATCCGTTTTGGAGAAATGGAGCGTGATGCTCTTATTGCC
CACGGAACCTCGTTCCTATTACAAGACCGTCTG

> Rpa135 (MS493)_*Gymnopilus chrysopellus*

GGAATAACTGGTCAAGAATTCGCAGCGGATATTTATATCGGGTTGTGTACTACCAACGA
TTACGCCACATGGTGCTCGACAAATTCCAAGTCCGTACCACTGGTCCGTGTCGATCCAGT
GACGCGTCAACCTGTAAAGGCAAGCTTTTGATATGATTATCAGATATCAACTTTAGGGTC
GCAAACGGGCTGGAGGTATCCGTTTCGGTGAGATGGAGAGAGATGCACTGATTGCGCA
TGGTACCTCCTTCTTGCTTCAAGACAGGTTG

> Rpa135 (MS493)_*Laccaria bicolor*

GGAATAACAGGTCAAGAATTCGCCGCCGACATATACATCGGGTCGTGTACTATCAGCGA
TTGCGCCACATGGTTCTTGACAAGTTCCAGGTCCGTACCACAGGTCCTGTGATCCCGT
AACCCGTCAACCCGTTAAAGTAATTTCTTTTCGGTGGCTCGAATCAAAATCAATAGGGT
CGTAAACGTGCGGGCGGTATCCGCTTCGGTGAGATGGAACGCGATGCCCTGATTGCGC
ATGGAACGTCTTCTTGCTTCAAGACAGATTG

> Rpa135 (MS493)_*Hygrophoropsis aurantiaca*

GGTATCACTGGACAGGAGTTCGCAGCCGACATATATATCGGGTCGTGTACTATCAGAGA
CTGCGGCACATGGTTTTGGATAAATTCCAAGTTCGAACCACCGGTCCCGTCGATCCTGT
CACCCGTCAACCTGTCAAGGTAAGCTTTCATCATTGGCGGAATATACACGCACCAGGGT
CGTAAACGCGCCGGTGGTATTCGTTTTGGAGAGATGGAGCGAGATGCTCTTATTGCTCA

CGGCACATCATTCCCTCCTCCAAGACAGATTG

> Rpa135 (MS493)_*Tricholoma matsutake*

GGCATTACTGGACAGGAATTTGCAGCCGACATCTACATTGGGTTGTATATTACCAGCGG
TTGCGACATATGGTTCTGGACAAATTTCAAGTGCCTACTACCGGACCCGTTGATCCAAT
CACCCGACAACCTGTGAAGGTAAATATTCTATTGGCACAATTATCATGTGTTACAGGGT
CGTAAACGCGCAGGGGGTATTTCGCTTCGGAGAAATGGAGCGCGACGCTCTGATCGCTC
ACGGCACCTCTTTTTTGCTGCAAGACAGATTG

> Rpa135 (MS493)_*Agaricus bisporus* var. *burnettii*

GGCATTACAGGTCAAGAGTTTCGACGAGATATCTATATTGGGTAGTCTACTACCAGCGA
CTGCGCCATATGGTATTGGATAAATTCCAAGTCCGAACAACCTGGTCCAGTTGACCCAAT
TACGCGTCAACCTGTCAAGGTGAGGGGTAAAACTCTGTTCCCTTTCGTATCTCCAGGG
TCGTAAGCGAGCTGGTGGTATCCGATTTCGGTGAGATGGAGCGGGATGCTCTCATCGCA
CATGGAGCTTCCTTCCTTCTGCAAGATAGGTTG

> Rpa135 (MS493)_*Gymnopus androsaceus*

GGAATCACTGGCGAGGAGTTTGCAGCTGACATTTACCTCGGGTTGTCTACTATCAGCGG
CTGCGACATATGGTGTGGACAAGTTTCAAGTACGAACGACGGGGCCTGTTGATCCTG
TAACTCGACAGCCAGTAAAGGTACAAACAGTCCAAGCACATAATTATGGGGAAATAGG
GCCGTAACGTGCTGGTGGTATTTCGTTTCGGAGAGATGGAACGAGACGCTCTCATTGC
ACACGGAACCTCCTACTTACTTCAAGATCGTCTA

> Rpa135 (MS493)_*Ramaria acris*

GGCATCACTGGAGAGGAATTTGCGGCTGACATATACCTCGGGTGGTGTACTACCAACG
TCTGCGACATATGGTGTCTCGACAAGTTCCAAGTGCGAACGACCCGACCTGTGGACCCC
CTAACTCGACAACCAGTAAAAGTACGTCTATTTAAAAGTTATATTTAATTCTCATTAGGG
TCGAAAACGAGCAGGCGGTATTTCGATTTGGTGAATGGAACGAGATGCACTAATTGCC
CACGGAACGTCTTTCCTTCTCCAGGACAGATTG

> Rpa135 (MS493)_*Lactarius quietus*

GGTATCACGGGTCAAGAATTCGCCGCGGACATCTACTTTGGGTGGTCTATTATCAGCGG
TTGCGGCACATGGTACTCGACAAGTTTCAAGTGCGAACCACTGGTCCCTGTTGACCCAT
TGACAAGGCAGCCCGTGAAGGCAAGGGACTCAACGGCCACTTGATATTTCAATTTAGG
GCCGGAACGCGCTGGTGGCATCCGATTTGGAGAAATGGAGCGTGACGCGCTAATCGC
CCACGGCACTTCATTTTTACTGCAAGACAGACTG

> Rpa135 (MS493)_*Coprinopsis cinerea*

GGCATAACAGGCCAGGAATTCGCAGCCGACATCTACTTTGGGTCGTCTACTACCAGCG
TCTTCGACACATGGTGTAGATAAGTTCCAGGTGCGAACCACTGGACCCGTTGACCCG
GTGACACGCCAACCTGTCAAGGCAAGTTCCAAGTCACGTCGTATCGTCATTTCAACAG
GGTCGAAAACGTGCTGGTGGTATTTCGATTCGGAGAGATGGAGCGGAGACGCGCTTATCG
CCCACGGAACGTCAATTCCTCTTGCAAGACAGACTG

> Rpa135 (MS493)_*Pluteus cervinus*

GGGATCACAGGACAAGAGTTCGCTGCGGACATATACCTCGGGTTGTCTACTACCAACG
TCTTCGACACATGGTACTGGATAAATTCCAAGTGAGAACAACCTGGAGCTGTGCGATCCC
GTCACAAGACAGCCATTAAAGTAAGCCCATCTGTTGCAGCTGCCGCCATTTTGATAGG
GTCGTAAACGCGGAGGAGGTATACGATTCGGTGAAATGGAACGTGACGCACTCATCGC
ACACGGCACTTCATTCTCTCCAAGACCGACTG

> Rpa135 (MS493)_*Marasmius fiardii*

GGAATAACAGGTCAAGAGTTTTTCAGCAGATATTTATTTAGGGTAGTCTACTATCAACGG
TTGCGACACATGGTGTGACAAATTCCAAGTGCGAACAACCGGACCCGTTGACTC
TGACTIONGACAGCCTGTGAAGGTCAGCATCTTCTACCGCAGGTTTGGTTCGATCTAGG
GACGAAAACGTGCAGGTGGTATACGTTTCGGAGAAATGGAACGTGATGCCTTGATCGC
ACACGGTACCTCTTCTCTACAAGACAGGTTG

> Rpa135 (MS493)_*Amanita muscaria*

GGCATCACAGGTCAAGAATTCGCGGCTGACATCTATCTCGGGTGGTTTACTATCAGCGA
CTGAGGCACATGGTTAACGACAAGTTCCAAGTTCGAACAACGGGACCAGTTGATCCA
GTAACAAGGCAGCCTGTCAAGGTCAGTGCTATATTTCTCTTTGCCCGTAGGGACGAAA
ACGTGCTGGAGGGATCCGGTTTGGTGAAATGGAACGCGACGCTCTGATTGCGCACGGC
ACATCCATACTGCTCCAGGATAGGCTA

> Rpa135 (MS493)_*Stereum hirsutum*

GGAATAACTGGCCAGGAGTTCGCTGCCGACATCTACTTTGGGTGGTCTATTACCAGCGA
CTCCGACACATGGTTCTCGATAAGTTCCAAGTTCGCGGACGACTGGACCCGTCGACCCGT
TAACCGCTCAGCCCGTGAAGGTTTCGTCGTTTATTAACCTCACTATGTCTGTCATTCAGGG
ACGTAAACGGGCTGGTGGTATCCGTTTTCGGTGAAATGGAACGTGACGCTCTCATCGCC
CACGGCACCTCCTCCTCCTCCAAGACCGTCTC

> Rpa135 (MS493)_*Fomitiporia mediterranea*

GGCATTACTGGTCAGGAATTCGCAGCGGACATTTACCTCGGGTCGTCTTCTACCAACGT
CTTCGACACATGGTCTCGATAAGTTCCAAGTTCGAACGACAGGACCTGTAGACCCGA
TAACACAACAGCCCGTCAAGGTAATGTCATCACTTTTTTTTCATTTGCACTACAACAGGG
CCGAAAGAAAGCAGGTGGCATCCGCTTCGGCGAAATGGAACGCGACGCACTCATCGC
ACACGGCACCTCCTCCTCCTCCAAGACCGTCTC

> Rpa135 (MS493)_*Gautieria morchelliformis*

GGGATAACGGGCGAAGAGTTCGCGGCGGATATATACATCGGGTCGTGTATTACCAGCGG
CTGCGACACATGGTCTCGATAAATCCAGGTACGCACGACGGGGCCGGTGGATGCCG
TTACGAGACAGCCTATCAAGGTGCGGCGTGTTCACGCCCGTTTTGGCTTTTTCTAGGG
CCGAAAACGCGCCGGCGGCATCCGCTTTGGCGAAATGGAGCGCGACGCCCTCATCGC
GCACGGCACCTCCTCCTCCTGCAGGACCGCCTC

> Rpa135 (MS493)_*Agaricostilbum hyphaenes*

GGCATCACTGGCAAAGAATTCAAGGCAGACATCTACCTCGGGTCGTTTATTACCAGCGT
CTGCGACACATGGTTGGCGATAAGTGGCAGGTGCGAACTGAGGGCCCTGTAGACTCTG

TCACCAGGCAGCCAATCAAGGTATGTCCCTCCGTCATTATAGTGATAGGGTCGTAAGC
GAGGCGGTGGTATCCGTTTCGGTGAGATGGAGCGTGATGCTCTGCTAGCCCACGGCAC
ATCTTTCCTGCTCCAAGATCGATTG

> Rpa135 (MS493)_*Calocera cornea*

GGGATCACGGGGCAGGAGTTCGAGGCTGAGATCTACCTGGGGTGGTGTACTACCAGCG
CCTGCGGCACATGGTTCGACGACAAGTTCCAGGTGCGGACGACGGGCCCGTGGACCC
GGTGACGCGGCAGCCGGTCAAGGGGCGCAAGCGGGCGGGCGGGATCCGGTTCGGGG
AGATGGAGAGAGACGCGCTCATCGCGCACGGGACGAGCTTCCTCCTGCAGGACCGGC
TG

> Rpa135 (MS493)_*Dacryopinax primogenitus*

GGGATCACGGGGCAGGAGTTCGACGCTGACATATACATCGGGTGGTGTACTACCAGCG
GTTGCGGCACATGGTTCGACGACAAGTTCCAAGTGCACACCACGGGACCCGTGGATCC
CGTACCCCGCCAGCCAGTGAAAGGGAGGAAACGCGCAGGTGGAATCCGGTTCGGGG
AGATGGAACGCGACGCACTTATCGCCATGGAACGTCTTTCCTCCTCCAGGACAGGCT
T

> Rpa135 (MS493)_*Neurospora crassa*

GGTATTACGGGCGAGGAGTTCCAAGCGGATATCTACATTGGGTGGTCTACTACCAGCGT
CTGCGTCACATGGTTAACGACAAGTACCAAGTGCCTACCACTGGTCCCGTCGTGCCTA
CGACTGGTCAGCCCATCAAGGGTTCGTAAGAAGGGTGGTGGTATCCGTGTCGGTGAAAT
GGAGCGTGATGCCCTTCTCGCTCACGGTACTTCGTTTCCTCCTCAGGACCGTCTT

> Rpa135 (MS493)_*Asperigillus triticus*

GGCATCACGGGCAAGGAATTCGACGCCGACATATTCATCGGGTCGTGCACTACCAACG
TCTGCGTCACATGGTGAACGACAAATTCCAAGTGCCTACCAAGGCCCCGGTGAACCTC
CTGCACGGACAACCCGTCAAGGGCCGCGCCAAGGGCGGCGGTATCCGCGTTGGCGAA
ATGGAGCGCGACTCGCTCATCGCCACGGCGCCGCTTCCTCCTGCAAGACCGTCTC

> Rpa135 (MS493)_*Rhizopus microsporus*

GGTATTACTGGTGAAGAAATGAAAATGGATATTTACATTGGGTGTTTTATTATCAACGTT
TGAGACACATGGTCAACGACAAGTTCCAAGTACGTACAACAGGTCCAGTACACAACCT
GACAATGCAACCTGTGAAGGGTCGTAAGAGACATGGTGGTATTCGTTTTGGTGAAATG
GAACGTGATTCAATTATTGGCACACGGCACAAAGTTTCTTACTACAGGATCGTCTC

> Sac6 (FG975)_*Amanita muscaria*

ATTGGAGGACTGGGTAGAGGTGAGGTCTTTTGGCCTGGAATTTTTTCGCTATGCATCTGA
TGGATTTGGTCTATGCTATCCGTGATTATGATCGATGGTTCCTGCGCTCGTTATTGTTCTG
TGCACATGGTCTTCCCTTCTGGCTAAATTTTATTTGGTGTGATGGACGGACGATATCGC
TGTTTAGCTCAATGTCAAGCTCAAGTCGCAGTCACAGACGATAACGAAGAAGGCGGGT
AAAGTCACTGTTCAAGGGTCCAATGCCAATGTCAGTCATACGATAAACGATGATGAGC
GGCGAGAGTTTACGAACCATATTAATCTGGTAAATTACCTTGATCGTGTCTTCTTTGCCG
GTTTCTGAAGCGTTAAACTCAGGTGATCGAGAACGACAGCGATCTCGCTGGACGGTAC

CCCATCCCAACAAACACA

> Sac6 (FG975)_*Boletus edulis*

GCTCGAAGACTGGGTCGAGGTGGGTCATGATGTCATCTCACGGTCGCCCCCTTTCTCAT
CCCGTCCCTTGCTAGCTCAACGTCAAGCTAAGAACACAGTCCGGAGCCTCCGTCTTGC
CCACCAGGGCCGGTAAAGTCACCGTCAAAGGCTCAAATGCCAACGTGAGCCACACCA
TCAACGAAGACGAGCGAAAGGAGTTTACCAACCACATCAATGGCGTGCGCACCCGTC
GTCTTCCATCCGTCTCTAGCTAGCTGCTCATCCAAGTGACAGGTCATCGAGAATGACCC
TGATATCGGCCATCGTTTCCCTATTCCCACAGACACG

> Sac6 (FG975)_*Hygrophoropsis aurantiaca*

ACTCGAAGATTGGGTAGAGGTGTGTCTTCTACTCATGATGTCATATCCACTTTTCTAAGA
TCCCTCTTLAGCTCAACGTCAAGCTTCGAACTCAAAGGAATTCGGGCCTGTCTACGAA
GGCAGGTAAAGTCACAGTGCAAGGTTCAAACGCCAACGTGAGTCATACGATCAACGA
AGATGAAAGAACGGAATTTACAAATCATATCAATGGCGTGAGTCAGGACCTTAAATGTC
AATCTTCTTACCCAAGACTTTTTTCAGGTCCTTGAAAACGACGCAGACATTGGGTCTCG
ATTCCCTATACCTACAGCAACC

> Sac6 (FG975)_*Lactarius quietus*

GCTAGAGGACTGGGTCGAAGTGCGTCTCCTGTCTCGATTGCGCCATCCAGAGTCACTTA
ATTCAGTCTTAATTCTCGTCGCACAGCTCAATGTCAAGTCCGCTCTCAGACCTCCTCT
CTTACCACCAAGGCCGGGAAGGTCACCGTGCATGGCTCCAACGCAAATGTGAGCCAC
ACAATCAACGAGGATGAGCGGCGGGAGTTTACGAACCACATCAACGGTGTACGCATG
AATTATCTTGTGATGCTTACCCTCTAACGATCGACGGCCATACCTAGATCCTCGAGG
GCGACGCGGATGTTGGTTCACGCATCCCGATCCCTACGGACACG

> Sac6 (FG975)_*Gymnopilus chrysopellus*

GTTGGATGATTGGGTTCGAGGTACGTCAGCGCGCTGCGTTGTTTTGGAGCAGTCAGTTT
CTGACCATGTTCCGCAGCTCAACGTCAAGCTGCGCTCTCAGGAAAAGGCGGCTATCAC
AACGAAAGCGGGCAAAGTCACTGTGCAAGGATCCAACGCGAATGTCAGTCATACGAT
CAACGAGGACGAAAGGCGCGAATTTACGAATCACATAAACACTGTAAGTGCCGTATGC
ATTCTTTGAGGGCGACAGGTTGATGTCTTTCCTCAGGTCATCGAAAATGACCCCGATCT
CGCAGGCCGATACCCCATCCCTACTGATACA

> Sac6 (FG975)_*Agrocybe pediades*

GCTCGACGATTGGGTTCGAGGTGCGTGCTGAATCCGTAATGAGAGGAACTTATTATTAG
TATTTCTTTAGCTCAACGTGAAACTAAGGACCCAGCAGAAAGCAGGCATTGCCACCAA
AGCCGGAAAGGTTACTGTGCAAGGATCCAACGCCAACGTGAGTCATACAAATCAACGA
GGATGAACGAAGAGAATTCACGAACCACATTAATCTTGTGAGTGCACCACAGAATGTC
TCCGAACACCGCTCACGATGTCTAGGTAATTGAAAACGATCCGGATATTGGAGACAGAT
ACCCAATCCCCACCAACACC

> Sac6 (FG975)_*Mycena crocata*

GCTTGAGGATTGGGTTCGAGGTATGGATGATCGTACCACTATCGGTGCCAGCTAAGACG
GCGCCGAAGTTGAATGTGAAGATGCGGACCCAGGCCCGAGCGGCTCTTCCCTACCAAG

GCCGGAAAGGTCACCGTCCAAGGCTCCAACGCCAATGTGAGCCACACCATCAACGAG
GACGAGCGGACCGAATTCACCAACCACATCAACAGCGTAAGTGTATTGCGTTTTCTCTT
CTTACACACACAAACGGCCACCAGGTCATCGAGAACGACCCGGATGTCAGCTCGCGCT
TCCAATTCCGACGACAACC

> Sac6 (FG975)_*Marasmius fiardii*

GCTTGAAGAATTCGTCGAGGTGCGTATTATCCAGCGATCGTGAATGATGTCACATTCAA
TTGAGATTCTTTTCACAGCTGAATGTGAAACTACGAACCAAAGCCAAGCCCCGCGATAT
CTACGAAAGCCGGGAAGGTCACTGTGCAAGGATCCAACGCTAATGTCAGCCATACCAT
TAATGAGGATGAACGAAGGGAGTTTACCAATCATATTAACCTGGCAAGTGCCTCGATTT
TCAGTCCCAAACCGCGGTTCTAACCCAGCTGGTTTCATAGGTCCTAGAAAATGACCC
AGACATCGGTGCTCGCTACCCGATCCCGACAGACACG

> Sac6 (FG975)_*Gymnopus androsaceus*

GCTCGAAGATTTTGTGAGGTTTGTACAAATGTAATTGGTTTTATTGTGCTTTTCTAAGA
TGATTTTGTAGCTTAATGTCAAGCTACGGACGGAAAAGGGAGCGCTCTCGACAAAGGC
AGGCAAAGTCACTGTAAAGGGATCCAACGCCAATGTCAGCCATACCATCAACGAGGAT
GAGCGTTCAGAGTTTACGAATCATATTAATCTGGTCAGCTCCATTCATGGTCCTAGCAA
CTCATATGTCTTATGTATCCTAGGTCATAGAAAATGACGCCGACATCGGAGACCGTTATC
CGATCCCGACAACGAACC

> Sac6 (FG975)_*Pluteus cervinus*

GTTGGAGGATTGGGTGCGAGGTGAGCATTTTCCCCCGTTTCCTTGGCTGTTAAACTA
ATTTGTGGTTCTTTAGCTCAATGTTAAGCTCAAGACCCAAACCAAACCTCGTTGGCT
ACCAAGGCGGGCAAAGTTACTGTCCAGGGCTCCAATGCGAACGTGAGCCATACGCTC
AACGAGGACGAGCGTGCTGAGTTCACGAATCATATCAACTTGGTACGTTTCTTATTTAT
CCTATCCATTACGATTACAGACCTCATTTCGAGTGCGATAGGTTATCGAGAACGATCCAG
ACGTGAAACACCGTCACCCGATCCCCACAGCCACG

> Sac6 (FG975)_*Fomitiporia mediterranea*

GCTGGAAGATTGGGTGCGAGGTGCGTCATGCAGAATGCGCAGCTCCACAAGCACTGGT
CTAATCCCTTAGCTTTCCAGCTGAATGCAAAACTCAAGAAGCATAACATCTGTGTTACCA
ACAAGAGGGCGGAAAGGTCACAGTGAAAGGCTCAAATGCGAATGCCAGCCATACCAT
AACGAGGATGAACGAAGAGAATTCACGCATCACATTAACAGTGTATGTCCTCTTGTGC
ATAGTGCTGCATGTTCAAATCTCTGACAGATCTGCAGGTCCTTGAGGGTGATCCGG
ACATTGGTTCACGTCTGCCTATCCCCACAGACACT

> Sac6 (FG975)_*Gautieria morchelliformis*

GTTAGAGGATTGGGTGCAAGTGAGTTGAGACATCGAATGACCTCGGTTTCAATAAATT
CTCAGACGTAATTCATCATCCAGCTTGCCGCCAAGCTTAGGGAACAAAATCAAGTTC
AGTCTTACCTACAAGACAAGGCAAGGTTACCGTCAAGGGATCTAATGCGAACGTGAGC
CACACCATCAACGAGGACGAGCGAACAGAGTTTACCAGCCATATCAATGGGGTCCGGA
TCCTTTCTTTTCGGACCTGGAAGCCCCAGCTGACGGGTTGCGCAGGTTCTTGAAGGCG
ATCCTGATATTGGCAGTCGACTGCCTATACCAACCTCGACA

> Sac6 (FG975)_*Ramaria acris*

GCTCGAAGATTGGGTTGAAGTGAGTATATCTGACCTTTCTCCCGTAAATCTCTAATTTGT
TTTCATGATGTTTCAGCTTGTGCGCCAACTTAGGGATCAAAAATCGAGCTCTGTTTTGCC
AACCAAGAAAGGCAAGGTCACCGTCAAAGGGTCCAACGCTAACGTGAGCCACACTAT
CAACGAGGACGAGCGGACAGAGTTCACCAGCCATATCAATGGGGTAAGCATAATTTGT
ACATTGTCCTGATATGCGAGGTGTTGAACATGTGCAGGTGTTAGAAGGTGATGTCGATA
TTGGGGACCGACTCCCCATCCCCACTTCGACA

> Sac6 (FG975)_*Tricholoma matsutake*

GCTGGATGACTGGGTAGAGGTGCGCAGTGTTCCGAGATAAGATCAACACAAGAACT
GGTCTGACTTTGTCCCATCGACTTTGCAGCTCAACTTCAAGCTACGATCCCAAACACGC
GCATCTTCCGACAAAAGCAGGCAAAGTCACTGTCCACGGCTCAAATGCGAACGTG
AGCCATAACATTAACGAAGATGAGCGCACGCTGTTCACTGAACACATAAATACGGTAC
AACTCCCCCGCTTTAGTTTGGAGGGCAGTCCGCTGAGATTTGGTCTAGATCCTCGCAA
TGACCCAGACGGTTATCATCAGAAAATCCCGACAGACACC

> Sac6 (FG975)_*Stereum hirsutum*

GCTTGAAGACTGGGTGCGAGGTGCGTCATCGGTTTCCACGGACATAGTCCCCTCATGTC
CCAAGACTGACTCTGTTCAACATTTAGCTCAACGTAAAGCTTCGGTCCAACACATCG
TCGATATCTACGAAGGCGGGCAAGGTCACAGTGCAAGGCTCAAACGCGAACGTCAGC
CATAACGATCAACGAGGATGAACGAAGAGAATTCACCAATCACATCAATGGCGTACGTT
CCATTACTCCTGCTTCGACAGCTCTTCTCATGCTTTGCGTAGATTTTGGGAAGACGACCC
AGACGTAGGAGAACGCATTCCGATTCCCACCGACACC

> Sac6 (FG975)_*Laccaria bicolor*

ACTCGACGACTGGGTTGAGGTGCGCAGCTTCTAATGATGTCACCAGCGTCGACCCTAA
CGTTCCGATTCTTAGCTCAACGTCAAGCTACGGACGAAGAAGGACGCTCTGACCACCA
AGCAAGGCAAGGTCACTGTCCAGGGTCCAACCTCAAACGTGAGCCATACGATCAACG
AGGATGAGCGGGCAGAGTTCACAAATCACATAAATCTCGTATGCTCTCTCCTTTTCTTT
TTCCAGAATCCCGCTAAATGCTCTGTAGGTAATCGAAAATGACCCAGACATTGGAAAT
CGCCATCCGATCCCAACAGACACG

> Sac6 (FG975)_*Schizophyllum commune*

GCTGGACGATTGGGTGCGAGGTGCGTCGTTGCTCGGGATCAATGAGACATCTGCTGACG
GGACGCTGCAGCTGAATGTCAAGCTGCGGACGCATCAGCAGAACGCGCTCAAGACGA
AGGCGGGCAAGGTCACCGTGCAGGGGTGAATGCGAACGTCAGCCACACGATCAACG
AAGATGAGCGGCGCGAGTTCACGAATCACATCAACGGGGTGCAGCGCACTCATCGCTAT
CCTCCGTCCTCCCCACTGACCTTCGCCAGGTTATCGAGAATGACCCTGACATTGGGTGCG
CGATTCCCCATCCCCACCGACT

> Sac6 (FG975)_*Serpula lacrymans* var. *lacrymans*

GCTGGAGGATTGGGTAGAAGTGAGCGCTTTATGCTCATGATGTCATTCAAATCTAACAT
CAGGCTATCCAGCTGAATGTAAAGATGCGTACTCAGAGTCACACCACTACTTCAAAGG

CAGGAAAGGTCACTGTACAAGGCTCTAATGCCAATGTCAGTCACACAATCAACGATGA
TGAACGCTCGGAGTTCACGAATCACATCAATGGAGTGCGTCGTTCGAGCTCACTTCCA
ACTACTGGTTTATATCATTTTACAGGTCTTAGAAGGCGATCCCGATATAGGATCTCGATTT
CCAATACCTACTGACACA

> Sac6 (FG975)_*Auricularia delicata*

GGTCGAAGACTGGGTCGAGGTGCGCACGCTGCGAGCCCGGCAACGCTGTATCAGCTC
TGA CTGCGTCTTCCCAGCTCCATGCGAAGCTCAAGGACCACAGCGCTAAGCTCACCAA
GAGCAAGGGCAAGGTCATGGTGCAAGGCACAAACGCCAATGTCTCGCATAACGATCAA
CGAGGACGAACGGCGAGAATTCACGGCCCATATCAACGGCGTGCTCGAAGGCGACCC
AGACATCGGCTCGCGTCTCCCGATCCCGACAGAGACC

> Sac6 (FG975)_*Phanerochaete carnosae*

GCTAGAGGACTGGGTTGAAGTATGTCTGCACCGCTCGCGCATCCTCGGAAAGGGGTCT
CACAAGTACTCGGTTCTAGCTCAACGTGAAGCTGAAGCAACAAGCACCACCGACGGC
ACTGCCCTCGAAGGCTGGCAAGGTCACCGTCCAGGGCTCGAACGCAAATGTGCACACA
CACCATCAACGAGGATGAGCGACGCGAGTTCACTCATCACATCAACTCTGTCTCGAG
GGCGACCCAGATGTTGGAAACCGCGTCCCATCCCCACAGATACT

> Sac6 (FG975)_*Coprinopsis cinerea*

ATTGGAGGAATGGGTCGAGGTACGTCTGTTCTCCGCAGTCTCTGAAGGTTTTCGGTGACT
AACTGTGCACTTGTAGCTCAACGTTAAGCTAAAGACTGAAAGGAAGAATGTTGGTATC
ATCAAGAAAGCCGGAAAGGTCATGGTCCAGGGCTCCACCGCCAATGTCAGCCATACCA
TCAACGAGGACGAGAAAGCCGAATTCACAAACCACATCAACACAGTAAGTAGCGCGT
AAACTACAGTTTATAGCTATCTAACAGCGCAAGTAGATTATCGAGCACGACCCCGATGT
GTCCTCGCGATACCCAATCCCCACAGACACC

> Sac6 (FG975)_*Agaricus bisporus* var. *bisporus*

ATTGGAAGATTGGGTTGAGGTAACAGTTTTCTTAACGCTCCGATGATGTCACCCTACCC
TGATATCTGATATCATGACCAGCTCAATGTCAAACACTACGTACGCAATCACAATCCGCGTT
ACAGACCAAAGCGGGGAAGGTTCTGTGTACAAGGATCAAACGCGAACGTCAGTCATAC
GATTAATGAGGATGAGAGAAGGGAATTTACGAATCACATTAATGGTGTAAGTTTTGACC
TCAATTTGTTTCTTTGCTGTCAATAATGTTGATTTATTGGGTTATAGGTCCTTGAGAACGA
CCCAGACATTGGCGATCGTTTCCCTATTCTACTGAGACC

> Sac6 (FG975)_*Trametes versicolor*

ACTGGAAGATTGGGTCGAGGTACGTACTTCGCAACATATCTTTGTTTTCGTAGCCGCAAG
GCAGACGATCAGGGCCACGGGGTTCGCTTGTACGCGACACGTTTGCGGGATATATCCGC
TTCCGAGAGGATCCTCGTTCCTGCAGTGTTCCTTCCATGACGGCCAGGCGATGGACCG
CAGGCAAAGAAAGGCGTTTCACGAACCTTCTGGTTGCTCAGTTGTTCTCCTGAACGCAA
GCTCACCGGATTCTCTCACCTAGCTCAACGTAAAGCTGCGCGACCAGCAGTCGAAGG
ATGCGCTTCTTCCCTCAAAGAAAGGCAAAGTCACCGTGACGGCTCAAATGCAAACGT
TAGCCACACAATCAATGAGGATGAACGCGCCGAATTCACGAACCACATTAATATGGTG
AGTAGCAGTCATTAGGGAAATTTGCGCCTTCTTATGCTTGCACAGGTCCTCGCAGGAGA

CGCCGATATCGGCTCCCGCCTCCCGATCCCCACAGATACC

> Sac6 (FG975) *Dacryopinax primogenitus*

AAGGTTACTGTCCGAGGATCCAATGCCAATGTCAGTCACACAATCAACGAAGATGAGC
GGAGTGAGTTCACCAACCACATAAACGGCGTTCTTTCTGGCGATTTCGGATGTCGGGGA
TCGCCTCCAATACCGACACATACT

> Sac6 (FG975) *Agaricostilbum hyphaenes*

CTTGGAGGAATTTGTGGAGCTGTTTAGCAAGCTGCAGACTTCGGCGGGAGCGGGCGC
GGGCCATGCGGCAAGCAAGGCGGGCAAGCTCAAGCTGGGCGGGAGCACCGCCAGTT
CGAGCCACACGGTCAACGCAGATGAGCGCTCGGAATTCACAAGACACATCAACACGG
TTCTCGCTGGAGATGCAGACATTGGCAACCGCATCCCTATCCCGACAGACACC

> Sac6 (FG975) *Rhizopus microsporus*

CGTGGGAAGAATTTATCGAGGTAAGACTATAATAAAATTGAAGAAAAGAGGGTTCATAGA
AGGGTCTAATAAGGGGGTTGGTGAGAGGAAAAAGAGTTAAAAAAGGGGGATATTAT
GTCAGTGCCTTTCTACAACATGTCAATATGGTTCATTGTCATAGAATAGAACGCGTATG
GAGTCATGAAGTGTGGTTATTAATAAAAGAAAACAAAAAGAGCAAGACAAAGAAAA
TTCTATGCCAAGAGTTCCTTTGATACTAATCCTATTTCTTTTCTTTTTTTTTCTTGGCAGC
TCGCAGCAAAGTTAAAGGCTGGGGCAATAGGGGTGCATTTGATGTCCATCAAACAA
GATTAAGTTCACGGAACCAATGCAAATGTTACACATACCATCAATGAGGATGAACGTA
CAGAATTCACAAGACATATCAATGGCATTTTAGCTGGAGACTCTCATATCGGCAAACGT
TTACCTATTCCAACAAATACA

> Sac6 (FG975) *Neurospora crassa*

ACTCGAAGATTACGTTGGGGTAAGTTCGAAGCCTTCCTCTCCACTGTTGCAGCACCACC
ACATACATCTCACTTCTTGAAGGCCACCCAGGTCGCATTCCGTATACTAGGTACCATTCA
TCAAAGATCTGGCTGACACTTTCCACTCTGTAGCTCGTCGCGAAGCTCCGCGAAGGT
CCCGGCAGCGCCCCTGCTGCTCCGTCAACTCCCGCTTCTGTCATCGCCCAGCGGACGG
GAGGCGCTACTCCTAGCCACGCATCGAAGCCCTCCGTCCGTTGGCAGCGGCAAGATCTT
CGTCCAAGGCTCAAACGCTAACATCACCCACACCATCAACGAAGATGAACGTACCGAA
TTCACGCGCCACATCAACGCTGTCCTTGCGGGCGACCGCGACATCGGCAGCCGCCTGC
CTTTCCCGACCGACACC

> Sac6 (FG975) *Asperigillus triticus*

ACTCGAAGATTATGTTGATGTTAGTGAAATATTCCCTGTTAGTACATATTTTGTAAGAGTT
ACTAATGGAGCAATATGACAGCTTATCTCTAAACTTCGTTTCACTTCAGGAAATAGCAA
AACTGCTCGTGACCCGAGCTCTCCTGGACCGGTCCCTGGAGGTGGAGCTGGCACGTCT
CGACATGTCTCAAAGGCAGCATCGGAGGGAAAATCCAAGTGCAGGGTTCTTCTGCA
AACGTAACCCACACCATTAACGAAGATGAGAGAACTGAGTTCACAAGACACATAAATG
CTATCCTTGCTGGCGACCCGGATATCGGTGACCTTCTTCCATTTCCACAGACACG

> Stt3 (MS561) *Marasmius fiardii*

ATTTTCCTGCTCATGTTACCTTTTACCTCTGGATCAAAGCGCTGAAATTGGGAAGTGC
TTTGTACGGTACCCTCGCCGCTATCTTTTACTTCTACATGGTGGCAGCTTGGGGTGGTTA

TGCGTTCAATTACGAACATGATACCCATTACACGCCCTTGTTTTGATGCTCATGGGACGTTA
CAGTAGTCGACTCTACGTTGGTTACTGTTTCGTGGTATGTCATCGGAACTCTCGCGTCGA
TGCAAGT

> Stt3 (MS561) *Laccaria bicolor*

ATCTTCCTCCTCATGTTACCTTCTTCTGCTGGATTAAGCTCTGAAGCAAGGGAGCGC
ATTGTTCCGGTACCATCGCTGCAGTGTCTACTTCTACATGGTCGCGGCTTGGGGCGGAT
ACGTGTTCAATTACGAACATGATACCCCTGCACGCTCTCGTCCTCATACTCATGGGCCGAT
TCTCTACCCGCTCTACGTAGGGTACTCTTCTGTTACGTTGTTGGGACTCTTGCGAGT
ATGCAAGT

> Stt3 (MS561) *Agrocybe pediades*

ATCTTCCTTCTCATGTTACCTTCTACTGCTGGATCAAGGCCCTGAAGCAAGGCAGCGC
GCTCTTTGGTACCATCGCTGCCGTCTTTTACTTTTACATGGTTGCAGCATGGGGTTAGTG
TTACATACCTCGAATTAGACCAGACCTTTGATTCTTCAGGTGGTTATGTTTTTATTACGA
ACATGATTCTCTGCATGCGCTAGTCCTCATCCTTATGGGCCGCTTCTCTGACCGCCTAT
ATGTTGCGTACTCGTCATGGTATGCCATTGGTACATTATCTAGCATGCAAGT

> Stt3 (MS561) *Auricularia delicata*

ATCTTCCTGCTCATGTTACGTTCTACGCGTGGATCAAGGCCCTCAAGGTCGGCTCTGC
ATTCTTTGGCACCATTGCTGCTATCTTCTACTTCTACATGGTGGCTGCATGGGGTACGTC
CCACCTATGTCCACCCTGCCTTTGACTATCCGCGCTTAGGTGGATACGCCTTCATTACCA
ACATGATACCCCTCCACGCGCTCACGCTCATTCTTATGGGCCGCTTCAGCAACAGGCTC
TATGTCGCCTATTCTCGTGGTATGCCATCGGCACTCTCGCTAGCATGCAGGT

> Stt3 (MS561) *Pluteus cervinus*

ATTTTCTTGCTTATGTTACGTTCTTTTGCTGGATTAAGCCTTGAAGCTAGGAAGCGC
ACTCTTTGGCACCATTGCTGCTATCTTCTACTTCTACATGGTTGCTGCGTGGGGTACGTA
CCATCAACCCTCTCTTATTTACGTGCCTAGGTGGATATGCCTTCATCACCAACATGATCC
CTCTTCATGCCCTCGTACTGATCCTCATGGGCCGTTTACAAGTCGCCTCTATGTAGCCT
ACTCTTCTGTTATGCCATTGGTACGCTTGCTAGCATGCAGGT

> Stt3 (MS561) *Mycena crocata*

ATCTTCCTGCTCATGTTTACCTTCTACTGCTGGATCAAGGCCCTCAAACCTTGGCAGTGC
TCTATTCGGAACCCTCGCAGCCGTGTTTTACTTTTACATGGTGGCCGCTGGGGTATGG
TCTCCGTGAACCGCTTACTAAATCATCGCAGGTGGATATGTCTTCATTACCAACATGATC
CCTCTACATGGACTGGTGTGATCCTTATGGGCCGCTTACCAGCCGCTCTACGTTGC
ATACTCGTCGTGGTATGTCATCGGCACGTTGTCCAGCATGCAAGT

> Stt3 (MS561) *Trametes versicolor*

ATATTTTTGCTCATGTTACCTTCTACTGCTGGATTAAGCTCTGAAGACCGGAAGCGC
CTTCTTCGGCACGCTAACCGCGCTGTTCTACTTTTACATGGTCGCCGCTTGGGGTGCGT
GCGGCTTAATATCTGCATCAGATATAACATACTTTACAGGTGGTTATGCATTCATCACG
AACATGATCCCCCTACACGCCTTGACGCTGATCCTCATGGGGCGATTACAGCAGCCGCCT

GTACGTCGCATACTCGTCTTGGTACGCGATCGGGACCTTGTCGAGTATGCAAGT

> Stt3 (MS561) *Gymnopilus chrysopellus*

ATCTTCCTTCTCATGTTACGTTCTACTGCTGGATCAAAGCCTTGAAGCAAGGCAGTGC
TCTTTTTGGAACCTTGGCCGCCCTGTTCTACTTTTACATGGTCGCTGCATGGGGTATATT
TCTTGCAATACGTTGGCTTCGTTGACTATGTCTTGTCAGGTGGTTACGCTTTCATCACGA
ACATGATCCCTCTTCATGCTCTTGCTCTCCTCTTAATGGGACGGTTCCTAGTCGTCTATA
TGTTGCGTATACCTCTTGGTATGCGATTGGAACCCTGGCGAGTATGCAGGT

> Stt3 (MS561) *Serpula lacrymans* var. *lacrymans*

ATCTTCCTCTTGATGTTACGTTCTTCAGCTGGATCAAAGCCTTGAAGCAGGGGAAGCG
CGTTCTTCGGGACTATAGCTGCCGTTTTCTACTTTTACATGGTGGCCGCGTGGGGTAAG
CGGATATTATATCGTCCGTAGTCGGTGTAAATTTACTAGGTGGTTATGTGTTTCATCACG
AACATGATTCCTCTCCACGCTTTGGTTCTGTTACTCATGGGCCGCTTCACGAGCCGCTT
ATATGTCGCGTACTCGTCGTGGTATGCCATCGGTACCCTCGCGAGTATGCAGGT

> Stt3 (MS561) *Coprinopsis cinerea*

ATCTTCCTGCTCATGTTACCTTCTTCCTCTGGATCAAAGGCTCTCAAGACTGGAAGCGC
GCTCTACGGAACCATTGCTGCTATCTTCTACTTCTACATGGTGTCCGCTTGGGGTGCGTT
CATCCCTCCTCTCGGACCGGTGGCTGACGAATGTGATAGGTGGATACGTTTTTCATCAC
AACATGATTCCTCTTCACGCTCTGGTTCTCATGCTCATGGGTCGTTTTCTCATCGCGTCTA
TACGCCGCCTACTGCTCCTGGTACGCCATTGGCACTCTCGCAAGTATGCAAGT

> Stt3 (MS561) *Hygrophoropsis aurantiaca*

ATATTCCTGCTGATGTTCACTTTCTTTACCTGGATCAAAGCTCTCAAGCAAGGAAGCGC
ATTTTTTGGAACTATTGCTGCTGTATTCTACTTCTACATGGTTCGCCGATGGGGTTAGTT
GCAATGTTTCATGCATACTTGATAACCCATCTCCATCAGGTGGATAACGTTTATCACCA
ATATGATTCCTCTTCATGCACTGGTTCTGTTGCTCATGGGACGGTTCACCAGCCGTCTCT
ATGTCGCCTACTCATCTTGGTACGCGATTGGTACATTGGCGAGCATGCAAGT

> Stt3 (MS561) *Agaricus bisporus* var. *bisporus*

ATCTTCCTTCTTATGTTCACTTTTTACCTCTGGATCAAAGCCATCAAGATCGGCAGTGCG
CTTTATGGTACCCTAACCGCTGTTTTCTACTTCTACATGGTTGCTGCCTGGGGTGAGTCT
CTCTCTCCACACCTGTTACTAGACCGAAAATAACTCAGGTGGTTATGCCTTCATCACAA
ACATGATTCCTTACATGCACTCGTCCCTATCCTCATGGGCAGGTTCTCCAACCGTCTCT
ATGTCGGGTATTCTTCGTGGTATGCTATTGGAACACTTGCTAGCATGCAAGT

> Stt3 (MS561) *Lactarius quietus*

ATTTTTCTCCTCATGTTACCTTCTTCCTCTGGATCAAAGCTATGAAGCAAGGCAGTGC
CTTGATGGCACTCTCGCAGCCATTTTCTACTTCTACATGGTTGCAGCTTGGGGTGAGT
CTCTAATTTGGTGC GGATGACCATCATGTATGTTTCGAGGTGGCTATGCATTCATCACG
AACATGATCCC GTTGACGCTCTCGCCCTCACACTGATGGGTCGTTACACAAACCGCCT
TTATGTGGGCTACTCGTCATGGTATGCGATCGGTACATTGGCGAGCATGCAGGT

> Stt3 (MS561) *Boletus edulis*

ATCTTCCTTCTCATGTTACGTTTTTCTGCTGGATCAAAGCACTCAAGCAGGGTAGTGC
ATTTTTCGGCGCCGTTGCCGCCGCTTTTTACTTTTACATGGTTGCCGCATGGGGTTCGTG
TGCATTCTTCTGATACTCCCGGTCCATCATCCTTCCCAGGCGGTTATGTGTTCACTACTA
ACATGATCCCTCTACACGCACTTGTCTCCTTCTTATGGGTCGATACTCCAGTCGCCTGT
ACGTTGCATACTCCACCTGGTACTCTATCGGCACACTCGCGAGTATGCAAGT

> Stt3 (MS561) *Phanerochaete carmosa*

ATTTTCCTCCTCATGTTACCTTCTTCTGTTGGATCAAGGCGTTGAAGCTTGGGAGCGC
TTTCTTTGGTACCTTAGCGGGCGCTATTCTATTTTACATGGTGGCGGCTTGGGGTGAGAG
TCCGTCTACTATGTATGCTCTGGAGATTGGACTTCGCAGGCGGTTACGCTTTCATCACG
AACATGATACCCTCCATGCGCTAACGCTCATTCTGATGGGCAGGTTAGTAGCAGACT
TTATGTTGCGTATTCGTCATGGTATGCTATCGGAACGCTGGCCAGTATGCAGGT

> Stt3 (MS561) *Fomitopsis pinicola*

ATCTTCTTGCTCATGTTACGTTCTTCCTATGGATCAAGGCACTCAAGACGGGCAGTGC
CTTGTTTGGCACTCTGGCTGCGCTGTTCTACTTCTACATGGTAGCCGCTTGGGGTAAGA
TTTGATCGTTCCTCGCTACGATGCTGACCCTGTGGTCTAGGTGGCTACGCC TTCATTACA
AACATGATTCCGCTGCATGCCTTCGCGCTGATACTCATGGGACGCTTCAGCAGCCGCCT
GTATGTCGCGTACTCGTTCGTGGTACGCGATTGGCACGCTGGCCAGCATGCAGGT

> Stt3 (MS561) *Fomitiporia mediterranea*

ATCTTCTCCTCATGTTACCTTCTTCCTCTGGATAAAGGCACTCAAGACTGGTAGCGC
GCTTTTCGGAGTTGGTGCAGCCCTATTCTACTTTTACATGGTGGCAGCTTGGGGGGTTA
CGCCTTCATCACAAACATGATTCCGCTGCACTCTCTTGTCTGCTCCTTATGGGTTCGGTA
CTCAAGCCGCTGTATGTTGCATATTCGCTTGGTACGCCATCGGTACACTTGCAAGTAT
GCAAGT

> Stt3 (MS561) *Ramaria acris*

ATCTTCTTCTTATGTTACATTTTACTTGTGGATCAAAGCGCTCAAAGACGGTAGTGCC
TTCTTTGGTACAGGGGCTGCAGTGTCTACTTCTACATGGTGGCCGCTTGGGGTTAGAC
TTTTTCTAGGCAATCTGAGTGGTGAAGCTCTGTATTTAGGTGGTTATGCATTCATACCA
ACATGATACCCTTCACGCCCTAACACTCATTCTGATGGGCCGTTTCACCAACCGTTTTAT
ACATCGCCTATTCTTCATGGTATGCTGTAGGCACGCTTGCAAGTATGCAGGT

> Stt3 (MS561) *Gautieria morchelliformis*

ATTTTCCTTCTAATGTTACCTTCTATCTCTGGATCAAAGCATTAAAGCAAGGCAGCGCA
TTCTTCGGCACTGGTGTGCTGCAGTATTCTACTTCTACATGGTGGCTGCTTGGGGTCAGAG
ATCCTTCTAGATTATGTTGCTGTGAACTCCATTTTATAGGTGGTTATGCTTTTATAACCAA
CATGATCCCACTTCAIGCCTTGGCACTTATTTTGATGGGGCGCTTCACCAACCGCTTGTA
CATTGCCTACTCTTCGTGGTACGCTGTGGGTACTCTGGCGAGTATGCAAGT

> Stt3 (MS561) *Amanita muscaria*

ATCTTCTTGCTCATGTTACGTTCTTTTCTGCTGGATCAAAGCATTGAAGAGCGGAAGTGT
ACTGTTTAGCACAGTAGCAGGGGTGTTTTACTTCTACATGGTTGCTGCCTGGGGTACGT

GTCCATTTTCCTTTTCTCTACTTCTGACGTTCTGTGGTAGGTGGCTACGTGTTTATTACC
AATATGATCCCTCTTCATGCCCTAGTTCTTTTGCTTATGGGTTCGCTTCTCAAGTCGACTAT
ACGTCGCTTACTCTTCCTGGTATGCCATAGGAACACTAGCAAGCATGCAAGT

> Stt3 (MS561) *Gymnopus androsaceus*

ATCTTCCTGCTGATGTTACATTTTATTGCTGGATCAAAGCGCTCAAGCTAGGTAGTGC
GTTCTTCGGTACGCTTGTGCAGTCTTCTACTTTTACATGGTGGCCGCTTGGGGGGTTAT
GCGTTCATCACCAACATGATTCAGTACACGCACTCGTTCTTCTTCTCATGGGTCGTTTC
AGCGGTAGACTCTATGTGCGCATAACAGCTCCTGGTACGCTATCGGTACACTGTCCTCCAT
GCAGGT

> Stt3 (MS561) *Calocera cornea*

ATCTTCTTGCTAATGATCACGTTCTACATCTGGATCCGAGCACTAAAGGATGGTAGTGTC
CTGTACGGGACATTGGCTGCCGTAATTTATTTCTACATGGTTGCTGCATGGGGTGAGCG
CTACTGCGGCTGCCGTGTATGCTCCTAACTGAAATGCAGGTGGATACGCCTTCATCACC
AACATGATCCCTCTGCATGCTTTCGTGTTGCTACTGATGGGTTCGATATCCGATCGCTTG
TATTCGGCATATTCGGCATGGTACGCAGTGGGGACGCTCGCTAGTATGCAAGT

> Stt3 (MS561) *Dacryopinax primogenitus*

ATCTTCCTGCTCATGATCACCTTCTATATTTGGATCAGAGCGCTGAAAGATGGCAGTGTC
CTGTATGGGACCTTGCCGCTGTATTCTACTTTTACATGGTTGCAGCTTGGGGTAAGCTT
AATCATTGCTATTATATGACCTTATTCATGCACACTAGGTGGATACGCGTTCATTACGAAT
ATGATTCCTCTGCATGCTTTCGTGCTTCTTTGATGGGCCGCTTCTCCCATCGCTTATACT
CCGCTTATTCGGCTTGGTATGCCGTTGGCACACTTGCCAGCATGCAAGT

> Stt3 (MS561) *Rhizopus microsporus*

ATCTTTTTGCTCATGTTTACGTTTTACTTGTGGATCAAGGCGCTCAAATTAGGATCCGCC
CTTTGGGCCTCTGCATCCGCCTTCTTTACTTTTATATGGTAGCTGCTTGGGGCGGTTAT
GTGTTTCATCATCAATTTGATTCCTCTTCATGTCTTTGTGCTTATGCTCATGGGTCGTTTCT
CTAACCGTGTCTACGTGTCTTACTCGACCTTTTATGTCCTGGGTACTTTGATGTCAATGC
AGAT

> Stt3 (MS561) *Asperigillus triticus*

ATTTTCCTGCTCGTCTTTACCTTTTTCCTGTGGATCAAGGCTGTCAAGAATGGCTCGATC
ATGTGGGGCGCGCTCACCGCGCTGTTCTACGGCTACATGGTGTACGCTGGGGTGGTT
ACGTCTTCATCACCAACCTGATCCCCCTGCACGTCTTCGTCCTTCTCTGCATGGGGAGA
TACAGCTCCCGTCTGTACATCAGCTACACGACCTGGTATGCTTTGGGAACGTTGGCTAG
CATGCAGAT

> Stt3 (MS561) *Neurospora crassa*

ATTTTTCTGCTGGTCTTACCTTCTACCTGTGGATCAAGGCTCTCAAGCTCGGATCCATG
CTTTGGGGAGCTCTTTGCGCCCTCTTCTACGGTTACATGGTTGCTTCTTGGGGTGGTTAT
GCCTTCATCACCTGTCTCCTCCCCCTCCACGCATTTGTTCTTATCTGCATGGGTTCGCTAC
AGCACTAGGCTTTATGTTGCGTACACCACTTGGTATGCATTGGGAACATTGGCCAGCAT

GCAGAT

> Stt3 (MS561) *Agaricostilbum hyphaenes*

ATATTTATCCTGACATTCACCTTTTACCTTTGGCTCAAGGCTCTGCGAGAGGGCTCGGC
ACTGTACGGCACGCTAACAGCTCTCTTTTATTTCTACATGGTCGGCGCATGGGGTAAGC
GATCCTGTGATGGGTGCGATATCGATGAACCCACGTACAGGTGGTTTTGCCTTCATCAC
CAACATGCTCCCTCTGCACGTCTTTGTCCTCTTGCTGATGGGCCGCTTACCACCAAGA
TGTATGTGCCTACTCGACCTACTACGTCATCGGCACACTAGCAGCCATGTCCGT

> Trp2 (MS353) *Amanita muscaria*

GGTTTGCAGATTGTGGGTGCCAGCCCGGAAACATTGTGCAAAGTCGAGAGGAATGTTG
TCTACAATCATGCTATCGCTGGTACTACCCGGCGCGGCAAGACTCCTGAAGGTTTTCTC
CGTTTAGTGTGTGTGTTAATGTCGTCTAATGCATTGGTGCAGAGGATGAGAAATTGGGA
GCTGCCTTGCTCGAATCTGAAAAGGATCGAGCAGAACATATTATGCTTGTGATCTGGC
TCGCAACGATGTCAATCGCGTCTGTCAGCCCAAACAGTCAAGGTTGACCATCTTATG
AAACTAGAAAAG

> Trp2 (MS353) *Laccaria bicolor*

GATCTGCAAATCGTTGGCGCAAGCCCGGAAACCTTATGCAAAGTTGAAAAGAATGTTG
TTTACAACCACGCAATCGCTGGCAGATAAAACGAGGAAAGACACCAGAAGGTTTCGT
TGTTTGGGTTTTGCCACCAACATTTGCTCACTTTAAGTAGAGGATGAAAACTCGGGG
CCACTCTGTTAGCTTCAGAAAAAGATCGTGCTGAACATATCATGCTGGTTGATCTCGCG
CGGAACGATGTCAACCGAGTGTGCCAGCCTAAAACAGTCAAGGTTGACCACCTGATG
AAGGTTGAGAAA

> Trp2 (MS353) *Tricholoma matsutake*

GACATCCAAATCGTTGGTGCCAGCCCTGAAACATTATGCAAAGTAGAAAAGGAATGTCG
TGTACAACCATGCGATTGCGGGAACTACAAAGCGGGGAAAGACGCCGGAAGGTACGT
GGCTTATTCACTGCACCTTTAATTGGAATGCCATTGCAGAGGACGAGAAGTTGGGTGCT
GCACTGCTTGCTTCAGAGAAGGATCGAGCAGAGCATATCATGCTTGTGCGATCTGGCAC
GAAACGATGTGAATCGTGTCTGTCAGCCGAAAACAGTCAAGGTAGACCATCTGATGAG
AGTTGAAAAA

> Trp2 (MS353) *Pluteus cervinus*

GATCTACAAATCGTTGGTGCAAGCCCGGAAACTCTTTGCAAAGGTGCAGAAGAATGTGG
TATTCAACCACGCCATCGCGGGCACCACCAAGAGGGGAAAGACGCCTGAAGGTGATTA
TATCCAACGTAGCCAAGTTCTGATACACTTCGTTGATAGAGGACGAGAAACTTGGTGC
TGAGCTATTGGCGTCCGAGAAGGATCGTGCAGAACACATCATGTTGGTTGATCTAGCA
CGGAACGATGTCAATCGCGTTTTCGATCCAAAGACCGTCAAGGTTGACCATCTCATGA
GGGTAGAAAAG

> Trp2 (MS353) *Agaricus bisporus* var. *bisporus*

GACTTCCAAATCGTCCGGTGCAAGCCAGAAACCATGTGTAAAGTCGAGAAGAACGTA
GTTTTCAACCATGCTATCGCTGGAAGTGTAAAACGAGGCAGAACACCTGAAGGTATCC

CTACTCAGGATTGCACGATGGATTTGACTGACATGTTATTGTAGAGGACGAGAGATTGG
GGGCCGAGCTCCTAGCCTCAGAAAAGGATCGGGCAGAACACATCATGCTTGTTCGATCT
TGCACGAAATGATGTCAATCGCGTCTGTCAGCCCAAGACCGTCAAGGTTGATCACTTA
ATGCAAGTTCAAAAG

> Trp2 (MS353)_*Coprinopsis cinerea*

GATATGCAGATCGTCGGCGCCAGCCCCGAAACTCTTTGCAAAGTCGAGAAGAACGTGG
TCTATAACCATGCCATCGCTGGAACCATCAAGAGGGGCAAGACCCCCGAAGGTCAGTT
AATCCATTTTCAGGCTTGAAATCGTCGCTCATACTCGGTTTCAGAGGACGCCAAACTCGG
TGCCATCCTTCTCAATTCTGAGAAAGACCGCGCGGAGCACATCATGTTGGTTGACTTG
GCCCCGAACGACGTCAATCGTGTCTGTCAGCCCAAAACGGTCAAAGTGGACCACCTC
ATGCAGGTGGAGAAG

> Trp2 (MS353)_*Gymnopilus chrysopellus*

GACCTCCAGCTCGTTGGAGCGAGCCCCGGAGACCCTGTGCAAGGTAGAGAAGAACGTC
GTATAACAACCATGCCATCGCAGGTACCATCAAGAGGGGAAAGACACCAGAAGGTCAG
GGACAGGTCTCCAACCTGCGTAACTTCTGCTAATAGTATTTTCAGAGGATGAGAAATTGGG
TGCTATACTCCTTGCATCGGAGAAAGACCGAGCGGAGCACATCATGCTTGTAGACTTAG
CTAGGAACGACGTGAATCGCGTCTGCCAACCCAAGACCGTCAAAGTCGATCATTGAT
GAAGGTCGAGAAG

> Trp2 (MS353)_*Agrocybe pediades*

GGATTACAAATTGTCGGTGCAAGCCCCGAAACTTTATGCAAGGTTTCAAAAAACGTTG
TCTACAATCACGAATCGCGGGGACCATCAAGAGGGGAAGAACCCCCGAAGGTGAGT
AATTTACCCAAATGATGTTTGCATATGTTAACTTTCGTGATCAGAGGATGAGAAGCTGG
GTGCTATTCTCCTTGCTTCTGAGAAGGATCGAGCAGAGCATATCATGCTTGTTCGATCTT
GCTCGCAACGATGTGAACCGTGTCTGCCAGCCCAAGACAGTGAAGGTAGATCATTGAT
TGAAGCTGGAGAAA

> Trp2 (MS353)_*Gymnopus androsaceus*

GACCTACAAATTGTCGGTGCTAGCCCAGAGACTCTGTGCAAGGTGGAAAAGAACA
GTTTTCAATCATGCCATTGCAGGAACCACGAAGCGAGGGAAGACGCCAGAGGGTGAG
TTCATCGTCGTTATTATTAACACAATATCTGAATCCTTTATCCAGAGGACGAACAGCTCG
GTGCGACTCTACTCAACTCTGAGAAGGATCGCGCAGAGCATATCATGCTGGTTCGACCT
GGCTCGCAATGATGTAAATCGCGTGTGCGACCCGAAGACGGTAAAGGTTGATCACCTC
ATGAGGCTTGAAGAAG

> Trp2 (MS353)_*Schizophyllum commune*

GACGAGCAGATTGTTGGTTCGAGTCCCGAGACGCTCTGCAAGGTGGAGGCAAACACT
GTCTTCAACCACGCGATCGCAGGCACTACACATCGCGGGCGGACACCCGAGGAGGAC
GAGGAGCTTGGGAAGACGCTGCTCGCCTCGGAGAAGGACCGCGCGGAGCACATCATG
CTGGTCGACCTCGCACGAAACGACGTCAACCGCGTGTGCGACCCGAAGACCGTGAAG
GTCGACGAGCTCATGAAGCTCGAGAAG

> Trp2 (MS353)_*Auricularia delicata*

GACCTCCAGATTGTCGGCGCGAGCCCGGAAACGCTGTGCCGCGTCGAACGCAACAAA
GTTTACAACACGCCATTGCGGGCACAACGCACCCGCGGAGAGACGGCCGAAGGTGCG
CGCTAGCGTCGTTCACTTTTAGCCTCGGCCGCTGGCGCGCCGCAGAGGACGAGCAGCT
GGGCAAGGAGCTGCTCGCATCCGAGAAGGACCGCGCGGAGCACATCATGCTCGTCGA
CCTCGCGCGCAACGACGTGAACCGGGTGTGCGACCCGCGACGGTGAAGGTGGACG
ACCTGATGCGGCTCGAGCGC

> Trp2 (MS353)_*Mycena crocata*

GGCGTTCAGATTGTCGGAGCTAGTCCGGAAACGCTCTGCAAGATTCAAAGAACGTCG
TATACAATCACGCAATTGCAGGGACCACCAAGCGGGGCAAACCCCAGAGGGTCACT
TCACTTGCACAAACATCCTGATCGTCTAAGCGTCGTCCCCAGAGGATGAAAAATTGGG
CGCAGCTCTTCTCGTTTCGGAAAAAGACCGCTCGGAGCATATCATGCTGCTGGATCTTG
CCAGAAATGACGTGAATCGTGTCTGCAAACCAAAAACGGTCAAGGTTCGACCATTTGAT
GAAGCTAGAAAAA

> Trp2 (MS353)_*Hygrophoropsis aurantiaca*

GAAC TTCAAATCGTGGGGGCTAGTCCGAAACGCTGTGTAAAGTGGAAGCTAATAAGG
TGTTCAACCATGCTATAGCTGGAAGTGTCAAGAGAGGGAAAAGCCCGGAAGGTTGGTT
AGACATTCGAAGATTGTTTCAATATGCTGACCGATTATCGCAGAGGATCAGAACTCGG
AGAACA ACTCTCGTTCTGAAAAGGATAGAGCAGAGCATATCATGCTTGTGACCTT
GCGCGCAATGATGTCAACCGAGTTTGCAAACCTGAAACAGTCAAAGTAGACCATCTCA
TGCAGGTCCAAAAG

> Trp2 (MS353)_*Serpula lacrymans* var. *lacrymans*

GAAC TTCAGATCGTTGGTGCCAGTCCGGAGACCCTGTGCAAAGTGGAAGCAACAAA
GTATTCAACACGCTATTGCAGGCACCATCAAGAGAGGGAAAGAGTCCAGAAGGTTTGC
ATTGTTTTCCAAGAGTATTGTTAGAACTTATCGTTGATCTGTAGAGGATGTAAAGTTGGG
AGAAGAGCTACTGTCTTCTGAGAAGGACCGTGCCGAACATATTATGCTTGTGACCTG
GCTCGGAACGATGTGAACCGTGTGTGCCGACCAGAAACCGTCAAAGTTGACCACCTC
ATGCAGGTGCAAAAA

> Trp2 (MS353)_*Phanerochaete carnosae*

GGCCTCAA AATAGTAGGTGCAAGTCCGGAGACACTTTGCAAGGTGGAGAAGAACAAA
GTGTTCAACACGCCATTGCGGGGACTGTCAAGCGTGGGAAGACTCCAGAAGGTATGT
ATTTGAGCTTCCATCATAACGCTATGTGTTGAAATCGCCGCGCAGAGGACGAGAGGCTTG
GTCAAGAGCTTCTGAACTCTGAGAAGGATCGTGCAGAGCATATTATGCTCGTGGATCTG
GCTCGGAACGATGTCAACAGGGTCTGCCAACC GAAGACAGTCAAAGGTAGACCACCTG
ATGCGCCTAGAGCGC

> Trp2 (MS353)_*Boletus edulis*

GACCTGCAGATTGTTGGCGCCAGCCCGGAGACACTCTGTAAAGTGAGGGCGAACAAG
GTATACAATCATGCTATAGCAGGTACCACGAAGAGAGGGCAAACACTGGATGGTTCGTT

CCATTAGTCCTCATTGCGGTTTGACATGATAGTATAGAGGACAACTTACTAGCGGCAC
AATTAAGTGCATCGGAGAAGGACAGAGCAGAACATATCATGCTTGTGCGATCTGCACG
AAACGATGTTAATCGCGTGTGCAAACCAGAGACTGTTCAAGTCGACCAGCTCATGCAG
GTTCAAAAA

> Trp2 (MS353)_*Lactarius quietus*

GAGCTGCAGATCGTCGGCGCTAGCCCAGAAACGCTGTGTAAAGTAGAGGGCAACAAG
GTCTACAACCACGCCATCGCTGGAACGACTAAACGCGGTGAAACTGCCGAAGGTGCG
CTATCTACCACTCATTGATGTGGACCCCTAAAATTTGTGAACAGAGGATCAACGGCTGG
GTGAGGAGCTGCTTAATTCGGAGAAAGATCGTGCCGAGCACATCATGCTGGTTGACCT
CGCGCGCAACGATGTCAATCGTGTCTGCCAGCCCAAGACGGTCAAAGTGGATCATCTG
ATGAGGTTAGAAAAG

> Trp2 (MS353)_*Stereum hirsutum*

GGGTTGCAGGTCGTCGGGGCTAGCCCAGAGACGCTGTGTAAAGTGGAGAGCCGAAAG
GTTTACAACCATGCCATTGCGGGTACGACAAAACGCGGAAAGACACCAGAAGGTGAG
ATTGATCTCTTTCTTGATTGACGTGGGCTAATCTGTCTGTTTAGAGGATAGGTTACTGG
GAGAAGAGCTTCAGAAGTCCGAGAAGGACCGAGCGGAACACATCATGCTCGTCGACC
TCGCACGGAATGACGTTAACCAGTCTGCCAACCGAAGACGGTCAAAGTCGACGAGC
TAATGAAGCTGGAAAAG

> Trp2 (MS353)_*Fomitopsis pinicola*

GAACTGCAGTTGGTCGGAGCTAGCCCGGAGACACTCTGCAAGGTGGAGAAAAACAAA
GTGTTCAACCACGCCATTGCGGGGACCGTTCGGAGGGGCCTCACAGTGGAAAGGTGG
TATATATACCTAACCCCTGTGCGGACATTCCCGTAGAGGACGAGATGCTAGGACAGCA
GCTCCTGAACTCAGAGAAAGACAGGGCGGAGCACGTCATGCTCGTAGACCTTGCGCG
TAACGACGTCAACCGTGTCTGCCAACCGAAGACCGTGAAAGTCGATCATCTCATGCGG
CTAGAGAAA

> Trp2 (MS353)_*Marasmius fiardii*

GATCTTCAGATTGTTGGTGCCAGTCCAGAGACGATGTGCAGAGTTTCCAAGAACGTCG
TTTTCAATCATGCTATCGCAGGAACAACAAGCGAGGAAAGACGCCTGAAGGTAACA
CATTTCTCTGTGCAACAACGACGGGTAATACTTCTCTGCAGAGGATGAAGCCCGT
GGAGCAGAACTTCTTGCCTCAGAAAAGGATAGAGCAGAACACATCATGTTGGTTCGACT
TGGCTCGAAACGATGTCAACCGAGTCTGTGACCCTAAAACCGTCAAAGTTGACCACTT
GATGACGCTTGAGAAG

> Trp2 (MS353)_*Fomitiporia mediterranea*

GATGTACAAGTCGTAGGCGGAGTCCAGAGACACTCTGTAAGGTGGAACGGAACAAG
GTTTACAATCATGCTATCGCTGGCACGACGAAACGAGGTAAAACCTCCTGAAGGCAAGT
AGAGTTGGCTTCCCTTGTAGTTTCCCGTTATCTATTTGATGCAGAGGACGAGAGGCTCG
GGAACGAGCTTCAATCGTCTGAGAAGGACCGCTCCGAGCATATCATGCTTGTGACCT
TGCGCGGAACGATGTAAATCGCGTATGCCAAGCGAAGACCGTGAAAGTGGACCATCTC
ATGCGCTTGAAAAG

> Trp2 (MS353)_*Trametes versicolor*

CACTTGCAGATCGTCCGGCGGAGTCCGGAGACGCTTTGCAAGGTCGAGAAGAACAAG
GTGTACAACCACGCTATCGCGGGTACAATCCGAAGAGGACAAACTGTTGAAGGTCTGT
CCCTTGTCTGTTTGTGTTACTGAAACAAATTGCATTCTGCAGAGGACGAGAAGCTC
GGTGCCGAACTGCTCGCATCAGAGAAAAGACAGAGCAGAACATATCATGCTGGTTCGATC
TTGCACGAAACGACGTCAACAGGGTAGCCAGGCCCTGAAACCGTGCACGTTCGACCACC
TTCTACGACTGGAGAAG

> Trp2 (MS353)_*Ramaria acris*

GACCTGCAGATTGTCGGTGCCAGCCCAGAACTCTCTGCAAGGTTGAACGCAACAAA
GTGTACAATCACGCCATCGCTGGGACGGTGCAGAGAGGAAAAAACTGGAAGGTAAG
ATGATCCCCCTCCCCCTTTGCGGACGTTTATAACCGTGATACAGAGGATGAAAAGCTC
AGCGATCAATTGGCGAATTCTACCAAAGACCGTGCAGAGCACATTATGCTTGTGGATTT
GGCGCGAAACGATGTCAACCGCACGTGCCAACCAAAGACAGTGAAAGTCGAGAAATT
GATGGAAGTGGAGAAG

> Trp2 (MS353)_*Gautieria morchelliformis*

GAGGTGCAAATTGTAGGTGCTAGCCCAGAACTCTGCAAAGTCGAGCGAAGAAAA
GTATTCAACCATGCAATTGCAGGGACCGTGCGCAGAGGAAAGACACCAGAGGGTACG
GAGATCCTGGCTCTATCTTCTTGTCTTTGTGACATTATATCACAGAGGATGAGAAGCTCA
GTGCGCAATTGTCCAATTCTAACAAAGATCGCGCCGAGCATATCATGCTTGTGACCTG
GCCAGGAATGACGTTAACCGCGTCTGTCAGCCCAGCACCGTCAAAGTTGAGAAACTG
ATGGAGGTGGAGAAG

> Trp2 (MS353)_*Calocera cornea*

GATGTGCAGCTTGTAGGTGCAAGCCCAGAACTCTCTGCAAGGTTTCGAAGAACAAG
GTGGAGAACCATGCTATCGCAGGGACTGTGAGGAGGGGGAAGTCAGCGAAAGGTCCG
TCATGCGTTATTGATGCCTTACAGGCTCTTAACCATATTTGATAGAGGATGAGGAGCTTG
GTGCTCAACTACTTGCCTCGGAGAAAGATCGCGCAGAGCACATCATGCTTGTGACCT
TGCACGAAACGATGTCAACCGAGTCTGCAAGCCCAGACTGTCAAGGTGGACGAGCT
TATGAAACTGAAGCTC

> Trp2 (MS353)_*Dacryopinax primogenitus*

GATATACTGGTTCGGTGCCAGCCCAGGAGACGCTTTGCAAGGTTACGCGAAACAAG
TGGAGAACCACGCTCTCGCCGGAACGGTGCAGGGGCAAGTCCCCAAAAGGTAAGC
TTCGCATCCCCGTGGCGATATGGGCATATGCAAACGCTCCGCAGAGGATGAAGAACTT
GGTGCGCAACTGCAGGCGTTCGGAGAAGGACCGCGCGGAGCATATCATGCTGGTTCGATC
TTGCCCGCAATGACGTAAATCGGGTGTGCAAGCCCAGACGGTCAAAGTGAAGAGC
TTATGAAGCTCAAATG

> Trp2 (MS353)_*Asperigillus tritici*

GACTTCCAGCTGGTGGGAGCCAGCCCCGAGCTGCTGGCCAAGGAGGAGAAGGGGCG
GATGATCACGCACCCGATCGCGGGCACGGTGAAGCGGGGCAAGACAGCGGAGGAGG

ACGACGCGCTGGCGGCGGAGCTGCGCAGCAGCCTCAAGGACCGGGCGGAGCACGTG
ATGCTGGTGGACCTGGCGCGCAACGACGTGAACCGGGTGTGCGACCCGACGACGACG
CAGGTGGACCGACTGATGGTGGTGGAGAAG

> Trp2 (MS353)_*Agaricostilbum hyphaenes*

GGCTTGTGTCTGGTGGGCGCATCGCCGAGTGCTTGTGTGCCGTCAACAAGAATGTCG
TGACGAACCACGCTATCGCCGGGACAGTCAAGCGAGGTGCTACAGAAGAAGGTCGGT
GGTCCCTCAGCTTGCTCTTGCGGTTGTTGAAAGGCCGTTGGCAGAGGATGAGATTTTA
GGCGCAGAACTCAGCGCATCCGAAAAAGATCGTGCAGAACACATCATGTTGGTTCGATC
TGGCCCGCAACGATGTCAACAGAGTCTGCGAGCCGGCCAGCGTCAAAGTTCGACTCAC
TCATGCAAGTCGAGAAA

> Trp2 (MS353)_*Neurospora crassa*

GACTTCCACATTGTTGGCGCCTCGCCGAATGCCTGATGAAGACCGACGGCTATGCCG
TCGTCAACCACGCCATTGCCGGTACCATCAAGCGTGGCCTCAACTCGGAGGAGGACGA
TGAGCTTGCGGCCGTGCTGCTGGCCTCAACCAAGGACCGCGCCGAGCACGTCATGTTG
GTCGATTTGGCCCGCAACGATGTCAACCGTGTCTGCCACCCGTCTACCGTCAAGGTCG
ACCGCCTCATGCGCATCGACCGT

> Trp2 (MS353)_*Rhizopus microsporus*

GAATTCACCTTTGTAGGTGCTTACCCGAGATGCTGACTAAGGTCCAGGATCGTATTGC
CTTCACTCATCCTATTGCCGGCACACGAAAGCGAGGAAAGACCCCAGAAGAGGATAAA
TCCTTGGCAGAAGATCTCTTGAAGGATCCCAAGGAAATTGCTGAGCATGTCATGTTGG
TCGATCTCGGACGTAACGATATCAATCGTATCTGTAAGCCAGAGACAGTCAAGGTCGAT
AAGCTGATGCAAATCGAGTAT

> Uba1 (FG848)_*Agrocybe pediades*

ACCAACCACCACATTGATTCATCACCGCTGCTTCCAACCTTCGTGCCATGAACTACAA
CATTAATCCGGCCGATAGACATACCACGAAGCAAATCGCGGGCAAGATTATACCTGCTA
TTGCTACTACCACCTCTCTCGTTACTGGATTGGTATGTTTGGAGCTCTACAAGGTATATA
TTAACACAATACTTACGTGCCCTAACATCATTCTAGATCATTGACGGAAAGAAGAAGC
TCGAAGATTACAAGAACGGCTTCGTCAACATCGCTCTGCC

> Uba1 (FG848)_*Fomitiporia mediterranea*

ACTAACCATCACATCGATTTTCATCACCGCCGCTTCTAACCTTCGGGCTATGAACTACAGT
ATTTCTATCGGTCTCGCCACCAGACGAAGCAGATTGCGGGAAAAATCATCCCTGCAAT
TGCGACAACGACTTCATTAGTGAAGTGGGCTCGTGTGTCTGGAGCTTTACAAGATTATCG
ATGGGAAGAGCAAGCTCGAAGATTACAAGAATGGATTTGTCAATCTAGCTTTGCCA

> Uba1 (FG848)_*Stereum hirsutum*

ACGAACCACCATATCGACTTCATCACCGCCGCTTCCAACCTCCGCGCGATGAACTACG
GCATCAACCCCGCCGACCGTCACACGACGAAGCAGATCGCGGGCAAGATCATCCCCG
CGATCGCCACGACGACGTGCTCGTTCGTTGGCTCGTCTGTCTCGAGCTGTACAAGGT
CATCGACGGCAAGAACAAGCTCGAGGACTACAAGAACGGGTTTCGTCAATCTCGCGTT

GCCG

> Uba1 (FG848)_*Trametes versicolor*

ACGAACCACCACATTGACTTCATTACCGCATCCTCGAACCTGCGCGCTCTCAACTACAG
CATCACGCCCGCGGACCGCCACACGACAAAGCAGATTGCGGGCAAGATCATCCCCGC
GATCGCGACGACTACGTCGCTGGTGACCGGCCTCGTATGTCTTGAGCTGTACAAGCTCA
TCGACGGCAAGAAGAACATTGAGTCGTATAAGAACGGCTTCGTGAACCTCGCCCTGCC
G

> Uba1 (FG848)_*Phanerochaete carnosae*

ACCAACCACCACATTGACTTCATCACCGCTGCGTCCAACCTTGCCTGCTATGAACTACAG
CATCAACCCCGCCGACAGGCACTCGACCAAACAGATTGCAGGCAAGATCATCCCCGCT
ATCGCCACCACTACCTCGCTTGTGTCGGTTTGGTCTGCTTGGAGCTGTACAAGGTGCG
TGTTGCGCGTCTTGACGAACCTTGCTCAATGTATCCCAGATTATCGACGGCAAGAACA
GCTCGAGCAGTATAAGAACGGCTTCGTCAACCTCGCGCTACCC

> Uba1 (FG848)_*Auricularia delicata*

ACGAACCTCCACATCGACTTTGTGACCGCTGCGTCGAACCTCCGTGCGACGAACTACA
GCATCCCAATCGCCGATCGTCATACGACGAAGCAGATTGCGGGCAAGATCATCCCCGC
CATCGCGACGACGACCGCGCTCGTCACTGGCCTGGTCTGCCTCGAACTCTACAAGGTA
CTTCATCCCTATGAAACATATTCAACGCGCAGATCATCGACGGCAAGAACAAGCTCGAT
GAGTACAAGAACGGCTTCGTCAACATCGCGCTGCCG

> Uba1 (FG848)_*Lactarius quietus*

ACCAATCACCACATCGACTTTATCACCGCCGCTTCCAACCTTCGCGCGATGAATTACAG
CATCACGCCCGCTGATCGCCACACCACCAAACAATCGCCGGGAAGATCATTCCCGCA
ATCGCCACGACGACGTCCCTTGTGTGGTTTGGTCTGCCTAGACCTTTTAAAGGTAAG
AAGTTGCCAATCCGTTATCGCCTTCCGCGCTGTTATTAGATCATTGACGGCAAGAACA
GCTCGAAGACTACAAGAACGGTTTCGTCAACTTAGCCCTCCCG

> Uba1 (FG848)_*Coprinopsis cinerea*

ACGAACCATCACATCGACTTCATTACTGCCGCTTCTAATCTGCGAGCCATGAACTATGG
CATCAACCCCGCAGACAAACATAACCACGAAGCAGATTGCCGGAAAGATCATCCCTGCA
ATCGCCACCACTACCTCGCTGGTGACAGGTCTGGTCTGCCTCGAATTGTACAAGGTATG
AATTATGGAATGTTGAAAACATGCTGACGACTCATTAGATCATCGACGGCAAGAAGA
ACATCGAGTCGTACAAGAATGGATTTCGTTAACCTCGCACTGCCA

> Uba1 (FG848)_*Schizophyllum commune*

ACCAACCACCACATCGACTTCATCACGGCGGCGTCCAACCTTCGTGCCACCAACTACA
GCATCCAGCCCGCTGATCGCCATAACCACGAAGCAAATTGCGGGCAAGATTATCCCTGCC
ATCGCGACCACGACATCGCTCGTGACGGGCTTGGTCTGCTTGGAGCTGTACAAGGTGC
GTGTCGTGTGACTCGGCATATGTTGCTGAACGGCTTGTAGATCATTGATGGCAAGCGGA
AGCTCGAGGCGTACAAGAACGGTTTCGTCAACCTCGCCTTGCCC

> Uba1 (FG848)_*Agaricus bisporus* var. *burnettii*

ACTAATCATCATATCGACTTCATCACTGCTGCCTCTAATCTGCGTGCCATGAACTATGGC
ATCAACCCAGCGGATCGCCATAACACCAAACAAATTGCTGGTAAGATTATTCCTGCAAT
CGCAACCACTACCTCCCTTGTTACCGGCCTCGTTTGTCTTGAGCTTTGTCTTGAGTTTT
CAAGATTATCGATGGCAAACGAAGTTAGATGATTATAAAAATGGCTTTGTAAACCTTG
CATTACCT

> Uba1 (FG848)_*Laccaria bicolor*

AGCAACCATCACATTGACTTTATCACTGCTGCATCCAATCTTCGTGCCATGAACTATGGT
ATCAACATCGCGGACCGTCATACAACGAAACAGATTGCTGGAAAATTATACCTGCCAT
TGCTACTACCACGTCTCTCGTGACAGGTTTGGTGTGCCTCGAGTTGTACAAGGTTTGTG
CCATTAGCGTATTTTATTTGTCCTGATCTTGCAACAGATAATTGACGGCAAGAAAAAGC
TGGAGGATTATAAGAACGGATTTCGTCAATCTTGCTTTGCCT

> Uba1 (FG848)_*Pluteus cervinus*

ACCAATCATCACATCGACTTCATCACTGCCGCCTCCAACCTGCGCGCGTTCGAACTATGG
AATCACCATCGCGGATCGTCATACAACGAAGCAAATCGCTGGGAAAATCATCCCTGCA
ATCGCCACCACCACATCCCTCGTAACAGGACTAGTGTGCCTGGAGCTATAACAAGGTAA
GTTGGAAACTGAATTCTGATTACTGTTGACTTTGTTGTAGATCATCGATGGCAAGAAGA
AACTAGAGGACTACAAGAACGGATTTCGTCAACCTTGCCTTACCC

> Uba1 (FG848)_*Fomitopsis pinicola*

ACGAACCACCATATCGATTTTATCACTGCTGCTTCTAACTTGCCTGCGATGAATTACAAC
ATCAAGCCCCTGACCGCCACACAACGAAGCAGATCGCCGGCAAGATCATTCCCGCCA
TTGCCACCACCACGTCCCTCATCACGGGTCTGGTGTGCTTGGAACTCTACAAGGTGCG
CGACATCGCGGCTTGCCTCACGTGACTGCCTTCTAGCTCATCGACCATAAGTCGGAGC
GCGAAGATTACAAGAACGGCTTCGTCAACCTGGCTCTGCCC

> Uba1 (FG848)_*Mycena crocata*

ACTAACTACCACATTGATTTTATTACCGCCGCGTCCAACCTTCGAGCGACGAACTACAA
TATTACCCCTGCTGATCGACACACCACTAAGCAGATCGCCGGCAAGATTATTCCTGCTAT
TGCGACGACCACATCACTTGTGACCGGCTTAGTTTGCCTTGAGCTGTACAAGGTAGGAT
ATATTCCTTGATGGCACTTTTTCTAACGATAATCAGATCATTGATGGCAAGGCCAAGCT
TGAGGAGTATAAGAATGGATTTCGTCAACCTTGCCCTGCCA

> Uba1 (FG848)_*Gymnopus androsaceus*

ACCAACCACCATATCGACTTTATCACTGCCGCCTCCAATCTCCGTGCTACGAACTACAG
CATCACTCCTGCTGACCGACACACGACCAAGCAGATTGCCGGAAAGATCATTCCCTGCC
ATTGCTACAACCACATCGTTGGTACTGGTTTGGCTTGCCTGGAGCTCTACAAAGTGTG
TAGTTTTCTTCATTCTGCTTGTGCCCTAACGTCTACCAGATCATCGACGGCAAGAGAAA
GCTTGAAGACTACAAGAACGGATTTCGTGAATATCGCGTTGCCA

> Uba1 (FG848)_*Serpula lacrymans* var. *lacrymans*

ACCAATCACCATATCGACTTCATCACTGCAGCTTCCAACCTTCGCGCCATGAATTATAAT
ATTCCAATTGCGGACCGACACACGACTAAGCAAATTGCAGGCAAGATCATTCCAGCCA

TTGCCACTACAACAGCTCTCGTTACTGGCCTGGTTTGCTTGGAACCTTTACAAAGTAGGT
TATGTATTTTTTTTTGGTAAAACTTCGTTTTCAACAGATCATAGATGGCAAGAATAAAC
TAGAGGACTATAAGAATGGTTTCGTAAACTTAGCCTTACCG

> Uba1 (FG848)_*Ramaria acris*

AGCAATTTCCATATCGATTTTATCACTGCTGCCTCCAATCTTCGCGCGATGAACTATAATA
TTCCAATCGCCGACCGGCACACCACCAAGCAAATTGCAGGAAAGATCATACCCGCTAT
CGCCACTACCACGGCCCTCGTACAGGTTTAGTCTGCTTAGAGCTGTACAAGGTTTTCT
CTTTTGTTCAGCCTGTTCTTTACCAGCTATAGGTCATAGACAACAAGCAAAAGT
TAGAAGACTACAAGAATGGTTTCATCAACCTCGCCCTTCCA

> Uba1 (FG848)_*Tricholoma matsutake*

ACCAATCATCATATTGACTTTATCACTGCTGCTTCTAATCTTCGGGCCATGAACTACAGC
ATTAATATCGCAGATCGTCATACTACAAAGCAGATAGCTGGGAAGATTATACCCGCTATT
GCTACAACCTCACTCGTGACTGGCCTGGTATGCTTAGAGCTTTATAAGGTATGAAC
TCATGCGTACGGTGGCATGGTGATTAGATTATCGACGGCAAACAGAAGCTCGAGGACT
ACAAGAATGGATTTCGTAAATCTAGCTCTTCCA

> Uba1 (FG848)_*Amanita muscaria*

ACCAACCATCACATTGACTTTATTACGGCAGCTTCGAATCTGCGTGCTATGAATTACAG
CATCACTATTGCGGATCGCCACACGACGAAGCAGATTGCAGGGAAAATCATTCTGCG
ATTGCAACAACCTACTTCCCTTGTGGTGGGTTTGGTTTGCCTAGAATTATAACAAGGTATG
ACGTGCAAGTATCAATACCCAAAATTCATTTTTCCCAGGTTGTGGATGGCAAGAAGA
AGGTTGACAGTTATAAAAATGGATTCATCAACTTAGCTTTACCG

> Uba1 (FG848)_*Hygrophoropsis aurantiaca*

ACGAACCACCACATCGACTTCATCACTGCCGCTTCAAACCTTCGCGCAATGAACTACA
CTATCCCCATTGCTGATCGCCACGCGACCAAGCAGATTGCGGGAAAGATTATAACCAGCA
ATTGCGACGACCACAGCTCTTGTGTTGGTTTGGTTAACTTAGAACTTTACAAGGTATT
ATAATCGATTCCCTGAACCATCAATGCCCTGTGCTTAGATCATCGACGGGAAAACAC
AATTGAAGAATAACAAGAATGGATTCATCAATCTTGCTCTTCCG

> Uba1 (FG848)_*Gymnopilus chrysopellus*

ACGAACTTCCATATTGACTTCATCACTGCGGCGAGCAATCTTCGCGCCATGAATTACTC
CATTAAACCAGCAGACAGACACACCACGAAGCAAATCGCTGGCAAATCATTCCCGCT
ATCGCTACTACGACCTCACTCGTCACTGGGTTGGTTTGCTTGGAGCTCTACAAGGTACC
TGAATTTAGAACTTTCCTTCTAACTAACTATCCACAGGTCATCGATGGAAAGAAGAA
GCTCGAAGATTACAAGAACGGATTTGTGAATCTGGCTCTGCCT

> Uba1 (FG848)_*Marasmius fiardii*

ACGAATCATCATAGACTTCATCACCGCTGCTTCGAACCTTCGGGCAACTAATTATAA
CATCACACTAGCCGACCGTCATACTAAACAGATTGCAGGGAAGATTATTCCTGCAA
TTGCAACCACAACCTCCTTGGTGACCGGTCTGGTCTGTCTAGAGCTTTTGAAGGCACG
TTGCGCTGGCTCGTATAACGTCAATTCATCTGTTTATAGATCATAGACGGCAAAGACAA

GTTGGAGGAGTACAAGAACGGTTTCGTCAACTTGGCGCTCCCG

> Uba1 (FG848)_*Boletus edulis*

GCAAACCATCACATAGACTTTATCACTGCTGCTTCTAATCTACGCGCAATGAACTACAA
CATTCCCATCGCCGATCGCCACGCCACAAAACAGATTGCCGAAAGATCATTCCCCTA
TTGCTACGACTACTGCCCTTGTGTTGGCTTGGTGTGCTTAGAGCTGTATAAAGTGCGT
GCTTCTCATGTCATGATGGATCATTACCCGGAATTAGATTATTGATGGGAAGAACAAA
CTCGAGGAATAACAAGAATGGATTCGTGAACCTCGCTCTTCCT

> Uba1 (FG848)_*Gautieria morchelliformis*

ACTAATTTTCACATTGACTTCATCACCGCTGCATCGAACCTTCGCGCCATGAACTACAA
CATTGCTATTGCCGATCGACACACCACCAAGCAAATTGCAGGCAAGATTATACCCGCGA
TCGCCACTACTACAGCGCTTGTGACAGGCTGGTTTGGCTTAGAGCTTTATAAGGTTCTT
TCAGCCCTCCCTTCTTTTTTCGTTTAAAGCATAACAGGTAATAGACAATAAGCGAAAG
CTCGAGGATTACAAGAACGGGTTTGTGAATCTTGCACTTCCT

> Uba1 (FG848)_*Calocera cornea*

ACAAACTTCCACATCGACTTCATCACGGCTGCGTCAAACCTTCGGGCTACCAACTATG
GCATTACCGTCGCTGACCGACACCACCAAGCAGATCGCTGGCAAGATCATTCCGGC
CATTGCTACCACAACGGCTGTGGTGTCCGGACTCGTTTTGTCTGGAGCTGTACAAGTGA
TCGATGGCAAGAAGAAGCTGGAGGCATAACAAGAATGGCTTCGTAACTGGCCCTTCC
T

> Uba1 (FG848)_*Dacryopinax primogenitus*

ACCAACTTCCACATCGATTCATCACTGCTGCATCTAATCTCCGTGCAACGAACTATGG
CATTGCCGTCGCTACCCGTCATCACACGAAGCAGATTGCTGGCAAGATCATTCTGCTA
TTGCTACCACAACGCTGTGGTGTCCGGCTCGTGTGCTTGGAGCTTTACAAGTGATT
GATGGGAAGAAGAGGCTCGAGGCTTACAAGAATGGATTTGTCAACCTCGCCCTCCCG

> Uba1 (FG848)_*Rhizopus microsporus*

AGCAACCATCATATTGACTTCATCACTGCCGCTTCTAATTTGCGTGCAATGAACTATGGT
ATTACCATTGCCGACCGTCACCGAACCAAAATTCATTGCAGGCAAGATCATTCTGCTAT
TGCTACTACCACAGCCTTGGTTACTGGTTTAGTTTGTCTTGAATTGTACAAAATCATTGA
TGGTAAGAAGGACTTGGAACAGTACAAGAATGGTTTTTGTCAACCTCGCTTTACCA

> Uba1 (FG848)_*Asperigillus triticus*

ACCAACCACCACATCGACTTCATCACGGCCGCCAGCAATCTCCGTGCCGACAACCTACG
ACATTCCCAGGCCGATCGCCACCGGACCAAGTTCATCGCCGGCAAGATCATCCCCGC
TATCGCCACGGCCACTGCCTTGGTGACCGGTTGGTTGCATTGGAGTTGTACAAGGTC
ATCGATGGCAAGGATGACATTGAACAGTACAAGAACGGGTTTCGTCAACCTCGCCCTCC
CC

> Uba1 (FG848)_*Neurospora crassa*

ACCAACTATCACATCGACTTCATCACGGCCGCCAGCAACCTGCGCGCCGAGAACTACA
AGATTGAGCCTGCCGACCGTCACAAGACCAAGTTCATCGCCGGCAAGATCATTCCC GC

CATCGCCACCACCACGGCCCTGGTTACCGGCCTCGTCGTCCTCGAGCTGTACAAGATTA
TCGACGGCAAGACCGACATTGAGCAGTACAAGAACGGCTTCATCAACCTGGCCCTGCC
C

> Uba1 (FG848)_*Agaricostilbum hyphaenes*

ACGAATCACCACATCGACTTCATCACGGCTGCTTCGAACCTGAGAGCGCACAACTACG
CTATTGCTCCTGCCAACCGCCATCAGACCAAGCAGATTGCAGGCAAGATCATCCCTGCC
ATTGCAACAACACTTCACTGGCCACTGGACTGGTGTGCCCTCGAGCTCTACAAGGTAT
GCGATTCTGCGAGGTGCCATTGACGCTCACGGTCTCGCAGATCCTAGATGGCAAGACG
GACATTGAAGCCTACAAGAACGGCTTTGTGAACCTTGCTTTGCC

> Uba3 (FG844)_*Boletus edulis*

TCCGTACTCGAGTGGCCTAGAGTCCATGGAGGTTAGCTTCTCTGACATCGTGCATTTCT
CTGCAGATAAGAAGCTTGACACTGATGACCCCGATCACATCAATTGGTTGTACTGT
GCATCTGCACGCGCCAAGGTGTTCAAGATTGAGGGGATGACATGGTCACTTACTCAAG
GTGTTGTCAAGAACGTGATACCTGCCATAGCATCGACAAACGCCATCATTGC

> Uba3 (FG844)_*Hygrophoropsis aurantiaca*

TCCGTCTAGAAATGGCCTCGTGTACACGGAGGTAAGATTTTTTCTGGCCCATATCCAC
GCTAGACAAGAAATTGGATACAGATGATCCCGAACATATAGGGTGGCTTTTGAGCGTTG
CCTCCGCGCGAGCCAAAGAGTTCAAGATTGAAGGCGTGACTTGGTCTTTACCCAGGG
TGTGTCAAGAATGTCATCCCTGCTATCGCTTCTACAAACGCCATTGTTCG

> Uba3 (FG844)_*Gymnopilus chrysopellus*

TCAGTGCTTGAGTGGCCTCGTGTTCATGGAGGTATCGTTATTTTTCTTCTTGATTG
GGTCGCAGACAAGAAGTTGGACACAGATGACCCTGACCATATTGGCTGGCTATACCGG
GTTGCGGCTGCAAGAGCAGCAGAATTCAAGATTGAAGGTGTAACCTTGGTCTCTGACAC
AGGGTGTGGTAAAGAATATCATTCCGGCGATCGCTTCCACCAATGCAATCATAGC

> Uba3 (FG844)_*Mycena crocata*

TCAGTTTTAGAATGGCCCCGTGTGCAAGGAGGTAAGGCTCGGACACGTCTTACTTAGT
TCATAGACAAGAAAATGGACACCGATGACCAGATCACATTGGCTGGCTTTACAGTATT
GCATTGGCCCCGAGCAAAGGAATTCAAATTGAAGGTGTTACGTGGTCACTTACACAAG
GGTTCGTGAAGAACATCATTCCGGCAATCGCATCCACGAACGCCATTATTGC

> Uba3 (FG844)_*Tricholoma matsutake*

TCTGTCCTGGAATGGCCCCGCATACACGGCGGTGCGTACCCCTTGTCGCGGTGGAATCT
GATAGACAAGAAAATGGACACAGATGATCCAGAACATATCGTATGGCTTTACTGTTG
CAGCAGCTCGGGCGAAGGAGTTCAATATCGAGGGTGTGACATGGTCACTGACGCAAG
GTGTCGTGAAGAACATCATTCCCGCCATTGCTTCCACAAATGCCATCATCGC

> Uba3 (FG844)_*Pluteus cervinus*

TCTGTCCTGGAATGGCCCCAAGGTACAAGGAGGTCAGCGGGCTAACTTCATATGAAACA
GATAAAAAGCTTGACACCGACGATCCTGAACACATTGGTTGGCTTTATCAAGTTGCTTC

TGCCCGCGCCAAGGAGTTCAAGATCGAGGGTGTGACCTGGTCTTTGACCCAAGGGGT
TGTGAAGAATATCATCCCTGCTATCGCTTCGACAAATGCTATCATCGC

> Uba3 (FG844)_*Gymnopus androsaceus*

TCGGTGCTAGAATGGCCTCGAGTTCATGGAGGTACGAAGACGTTCTACGTTCCCTTCTCA
CTGTAGACAAGAAAATGGACACTGATAATCCGGATGACATTAGTTGGCTCTACTCTGTC
GCGGCAGCACGAGCCAAGGAGTTCAAATCGAGGGTGTACCTGGTTCGTTGACTCAG
GGTGTGTTAAGAACATTATTCGGCTATTGCTTCCACAAACGCTATCATTGC

> Uba3 (FG844)_*Marasmius fiardii*

TCCGTTCTAGAATGGCCGCGCTTCACGGAGGTGAGAGAAAGACTTCTCGATTTCCGGT
TGACAGACAAGAAGATGGATACAGACGATCCGGAACATATCGGCTGGTTGTATAACT
GCTGCCGCGCGCGAAGGAGTTCAAGATAGAAGGAGTTACTTGGTCTCTGACGCAG
GGTGTGGTGAAGAACATTATACCAGCTATCGCCTCAACAAATGCGATAATAGC

> Uba3 (FG844)_*Agrocybe pediades*

TCTGTTTTAGAGTGGCCAAGGGTATACGGAGGTCAGTCATATTCGCTTACTTTTGTAGAT
GCCAGACAAGAAGATGGACACGGATGACCCAGAACACATTGGGTGGCTCTACAAAGT
TGCTGCAGCTCGCGCGGCTGAGTTCAAGATCGAAGGCGTCACTTGGTCCTTGACTCAG
GGAGTCGTAAAGAACATTATTCCTGCCATTGCATCTACGAACGCTATAATTGC

> Uba3 (FG844)_*Fomitopsis pinicola*

TCAGTTCTAGAGTGGCCAAAAGTCTTCAAAGGCGGGCTCCATCAGCCCAACGATTGTT
CAGGCTATAGATAAGAAGCTGGATACGGATGACCCAGAACACATCGGATGGCTATTCAA
GACTGCATCGGCGCGAGCGAAGGAATTCAAGATTGAGGGCGTCACATGGTCCCTCACG
CAAGGTGTTGTCAAGAACATCATTCCCTGCCATTGCATCCACGAACGCCATCATCGC

> Uba3 (FG844)_*Calocera cornea*

AGTGTGCTGGAGTGGCCGCGTGTCTTCCCTGGTGTGTATCGCTGACTCTATGCCTCGTA
TTATGACAGACAAGAAGATGGACACAGACGACCCGGATCACATCCAGTGGCTCTACGA
GCGCGCGTCTGCCCGCGCAAGAGTTCAAGATCGAAGGCGTGACGTGGTCGCTCAC
GCAAGGCGTCGTCAAGAATATCATCCCTGCGATCGCGAGTACGAACGCTATCATCGC

> Uba3 (FG844)_*Dacryopinax primogenitus*

AGCGTGCTAGAGTGGCCCAAAGTCTTCCCAGGTGCGTTTCCCCCTGAGTTTACACAGA
TAAGAACTCGACACAGACGACCCGGAGCACATCCAGTGGCTCTTACGCACGCCTCT
ACCCGCGCGCGCAATTCAAGATCGAAGGCGTGACCTGGTCTCTCACCCAAGGCGTC
GTCAAGAACATCATCCCCGCGATCGCGAGTACGAACGCGGTGATCGC

> Uba3 (FG844)_*Neurospora crassa*

CACGTCATCGCTTGGGACAAGGAGAAGCGTTCCCGCAGCTCGACAAGGACGACCCGG
AGCACATCACCTGGCTCTACCAGAAAGCCCTCGAGCGGGCAAAGGAATTCAACATATC
GGGCGTCACGTACTCTGACGCAAGGCGTGGTGAAGAACATCATCCCCGCCATCGCG
GCCACGAACTCGGTCATCGC

> Uba3 (FG844)_*Coprinopsis cinerea*

TCCGTA^{ACTCGAGTGGCCCAAAGTGCATGGAGATAAGAAGATGGATACTGACGATCCAG}
AGCATATCAGTTGGCTTTACAGCGTGGCTCTTAAGCGTGCCCAAGAATTCAATATCGAA
GGCGTCACCTGGTTCGCTGACACAAGGCGTCGTGAAGAACATCATCCCAGCTATCGCAT
CCACCAACGCCATCATAGC

> Uba3 (FG844)_*Gautieria morchelliformis*

TCAGTACTCGAATGGCCAAGGGTTCACAAAGGTCAGTATTTCAATGGGCTCGGTTTCTC
TTCTGTAAAGACGAGAAAATGGACACTGATAATCCAGAACATATTGGATGGCTATATAGT
GTGGCAGCCGCGCTGCAAAAGAGTTTAAACATTGAAGGTGTCACATGGACTCTCACCC
AAGGTGTTGTGAAGAACATTATCCCCGCCATCGCATCGACCAATGCCATTATCGC

> Uba3 (FG844)_*Amanita muscaria*

TCTGTGCTCGAATGGCCCCGTGTTACGGAGGTATGGATGGTTTAAACGCCCAAGATTTTC
TCACTACAGAGAAGAAGATGGACACGGATGATCCAGAACATATAACCTGGCTTTACCA
GACAGCTTCTAAGCGCGCAAAGGAGTTCAATATTGAAGGAGTGACTTGGTTCGCTGACA
CAAGGTGTTGTGAAAAACATTATTCCTGCCATTGCCTCCACCAATGCCATCATTGC

> Uba3 (FG844)_*Schizophyllum commune*

TCCGTA^{ACTCGAGTGGCCTCGCGTGCATGGGGGTGAGTGCGCCTGTTCAGGCTCGGTTCG}
GCTTGACAGACAAGAAGCTCGACACGGACGATCCTGAGCACATTGGCTGGCTGTACTC
CGTTCGCTGCAGCGCGCGGAAGGAGTTCAAGATCGAGGGTGTCACTTGGTTCGCTCAC
ACAGGGTGTCTGAAGAACATCATCCCTGCCATCGCATCGACGAACGCTATCATCGC

> Uba3 (FG844)_*Trametes versicolor*

TCCGTA^{CTAGAGTGGCCACGGGTACATGGAGGTAGGTTTCGAACCCATATTGTAAGATGG}
TATATAGACAAGAAGATGGACACCGACAACCCAGAACATATCCAATGGCTGTACCAGAT
CGCGCTTACCGCGCCCAAGAATTCAAGATTGAGGGTGTGACATATTCATTGACGCAA
GGCGTCGTGAAGAACATCATTCTGCTATCGCCTCTACCAACGCAATCATCGC

> Uba3 (FG844)_*Phanerochaete carnosae*

TCGGTCTTAGAATGGCCGCGCGTCCATGGAGGTAATGTATACTTTTCATGTCCGGGAACGC
ATCTCCAGACAAGAAGATGGACACGGACGATCCTGAACATATCGGATGGCTGTACAAG
ACGGCTCTCGCTCGTGGCAAAGAGTTCAACATCGAGGGTGTAACTACTCGCTCACAC
AAGGTGTCGTAAAGAACATTATTCCTGCCATCGCCTCAACCAATGCCATTATTGC

> Uba3 (FG844)_*Stereum hirsutum*

TCAGTGCTCGAGTGGCCCAAGGTCCAAGGCGGTGAGGACGCCACTCATTCTACTCCC
ACATCTCCAGACAAGAACTGGACACCGATGACCCTGATCATATCACCTGGCTGTATAC
CGTTCGCTGCCGCACGAGCCAAGGAGTTCAAGATCGAAGGTGTGACTTGGTTCGCTGAC
GCAGGGTGTGGTGAAGAACATCATCCCGGCCATCGCATCGACAAACGCCATCATCGC

> Uba3 (FG844)_*Lactarius quietus*

TCCGTGCTAGAGTGGCCAAGGGTGAAAGGAGGTACGTGTAACGCTATCACAGTGCGA
CAGTCCAATAGACACAAAACCTCGATACGGATAACCCTGAACACATCCAGTGGTTGTAC
GAGGTCGCTCTCAAGAGGGCCAAAGACTTCAAATCGAAGGCATCTCGTGGTCGTTAA
CGCAAGGCGTTGTCAAGAACATTATCCCCGCGATCGCCTTACCAATGCCATCATCGC

> Uba3 (FG844)_*Fomitiporia mediterranea*

TCCGTATTAGAATGGCCTCGCGTATTCGGCGGTTTCGTTTTGCCTTCTCGAAGCTTTAAA
AATGTTTAGAGAAAAAACTGGACACTGACGATCCGGAACATATCAACTGGTTATACAC
CACCGCCCTCGCTCGCGCAACTCAATTCAACATCGAAGGTGTAACCTGGTCCCTAACG
CAGGGAGTCGTAAAAAACATCATCCCAGCCATCGCTTCAACAAACGCCATCATCGC

> Uba3 (FG844)_*Laccaria bicolor*

TCAGTTCTGGAATGGCCCCGGGTCCATGGAGGTTTGTTCCCGCACAAACACAATTTTTT
CACTTACAGATAAGAAGATGGACACGGATGATCCGGAGCACATTGGATGGCTTTACAA
GGTAGCGGCAGCTCGGGCACAGGATTTCAAGATTGAGGGCGTTACGTGGTCACTCACA
CAAGGAGTGGTGAAGAACATCATTCCGGCCATAGCCTCAACAAACGCTATCATTGC

> Uba3 (FG844)_*Serpula lacrymans* var. *lacrymans*

TCTGTATTAGAATGGCCCCGTGTTTCATGCAGGTGAATAAATATTTTTCCATTACCTTGT
CCCTTACAGATAAGAAATTAGATACCGATGACCCAGAGCATATATCATGGCTTTATACTAT
TGCTGCGGCACGCGCAAAAGAATTCAAGATTGAAGGTGTTACATGGTCTTTACGCAA
GGAGTTGTCAAGAATGTCATTCTGCTATTGCGTCAACCAATGCTATTATAGC

> Uba3 (FG844)_*Agaricus bisporus* var. *burnettii*

TCCGTTCTAGAGTGGCCCCGCGTACAAGGAGGTATAGTTGAACGTTGCGGTTTTCTTAA
TGCTTACAGATAAGAAAATGGATACAGACGACCCGGAACATATTTCTTGGCTATACAAA
ATAGCGGCAGCAAGGGCTCAAGAATTTAATATCGAAGGCGTGACATGGTCTCTTACTCA
AGGCGTCGTCAAAAACATTATACCATTCCATTGCATCCACCAATGCTATCATTGC

> Uba3 (FG844)_*Auricularia delicata*

TCCGTGCTTGAGTGGCCGCGCCAACGAGGCGGTAAGCATCCTGTGCGTAGCTCTCTC
GTGACCTCAGAGGAAAACTCGACACCGACAACCCGGACCACATTACGTGGCTGTATA
ACCTCGCTGCTGCGCGCGCAAGGAGTTCAAGATTGAAGGCGTGACATGGACGCTGA
CACAAGGCGTCGTCAAGAACATCATCCCCGCCATTGCAAGCACGAATGCAATCATTGC

> Uba3 (FG844)_*Agaricostilbum hyphaenes*

TCTGTACTGGAATGGCCCCGCGTAGGACAAGAAGATGGACACTGATGATCCAGATGAT
ATTCAATGGCTCTTTGATCAGGCTTCGGCGCGAGCTCATGAGTTTGGCATCGAGGGTGT
GACTTGGTCTTTGACGCAGGGCGTTGTCAAGAACATTATTCCAGCCATTGCTTCGACCA
ACGCCGTCATCGC

> Uba3 (FG844)_*Rhizopus microsporus*

TCCGTCTTGAATGGCCCCGTGTGTGGGGATCTAAAAAGTATGATACAGACAACCCAG
AGGACATTAATTGGCTATACCAGCAAGCTCTAACAAGAGCAAAACAGTTCAATATAACT

GGTGTCACTTATTCCCTCACTCAGGGTGTAGTCAAAAACATCATTCCCAGCAATCGCATC
CACCAATGCAATTATTGC

> Uba3 (FG844)_*Asperigillus triticus*

CACCAGATCGCCTGGCAGGAGCAGCGCAGGATGACCCCTTCGACAGCGACGACATGG
AGCACATCGGCTGGGTCTACCACACCGCCCTCGAGAGAGCAAAGCAATTCAACATCTC
CGGCGTCACCTTCCAGATGGCCCAGGGTGTCTGTGAAAAACATCATCCCCGCCATCGCC
TCAACCAACGCTGTCATCGC

> Ygr207c (FG757)_*Agrocybe pediades*

ATCGACGACGACTTGGGCGTAACTGGTCAGATGCTTGCCGGTCTCCTTGGCTGGAGTC
AAGCTACCTTCGCTAGCAAGGTCGAGGTCGATTTGGCCAAGAAAGAGGGCGTTTGTGT
CAGGGAAATTGACGGCGGAGGAGAGGAGATTGAGTGCAGCTTCCCTTTGGTTGTGAC
CACTGACCTTCGGTGAGATTCCTCAATAGTATTCCATATTTTACAGATTGAACGAACCTC
GTTACGCCTCGCTACCCAA

> Ygr207c (FG757)_*Laccaria bicolor*

ATCGACGACGATCTAGGCGTTACAGGCCAGATGCTCGCGGGTTTGCTGGGCTGGAGTC
AAGCCACATTTGCATCCAAAATCGAAGTGGACGTAGAGAAGAAGCAGGGCGTTGGTTA
CACGTGAAATCGACGGTGGTTCAGAGGAACTCAGGTGCTCGTTGCCATTGTGATTAC
CACCGACCTGAGGTACGTTTCTCCCTCAATACATGAAGTAGTGGTGGCATAGACTCAAC
GAACCGCGGTACGCGTCTTTGCCTAA

> Ygr207c (FG757)_*Coprinopsis cinerea*

ATCGACGACGACTACGGCGTGACGGGCCAAATGCTCGCAGGGCTGATGGGCTGGTCG
CAAGCGACGTTTGCAGCAAAGTTCGAGTTGGACGCTGCGAAGAAGGAGGTGAAAGTT
ACTCGGGAGATTGATGGTGGTGGAGAGGAGGTGTTGTGTAAATTGCCGGTGGTTATTA
CTACTGATTTGAGGTGCGTTGTTTTTTTTTCGTTTCATTTCTCCCTCCCCCTCCCTCCCAA
TCCCACACCCACACCCAATCACTCACTCACTCACACCCACTCATCAACAGGCTCAACG
AACCCCGCTACGCCTCCCTCCCAA

> Ygr207c (FG757)_*Fomitopsis pinicola*

ATCGACGACGACGCGGGCCAGACGGGCCAGATGCTCGCGGGCCTCATGGACTGGGCG
CAGGCGACGTTTCGCGAGCAAGGTCGAGCTGGATGCGGACAAGAATGAGGCGAGCGTG
ACTCGGGAGATTGATGGCGGGCTGGAGGAGCTGCGGTGTCGGTTGCCGATGGTGGTC
ACGACGGATCTTCGGTGAGTGCAGCGTGTAGGACAGCACGAGCTGACCATGGCTTCTG
CAGGCTGAACGGTATGTTGGGTAACGTTTCGAGGACGCTTTAATAACCTTGCGCGCAG
AACCACGCTACGCCTCATTGCCTAA

> Ygr207c (FG757)_*Trametes versicolor*

ATCGACGACGACGCGGGGCAGACGGGCCAGATGCTCGCGGGCCTCATGGACTGGGCG
CAGGCGACGTTTCGCGAGCAAGCTCGTGGTGGACCCGAAGGCGAAGGAGGCGTCGGT
CACGCGGGAGATTGACGGTGGGCTGGAGGAGCTGAAGTGCCGCTACCATTTGGTTGTC
ACGACCGACCTACGGTGAGTCCCATCCGGTCATGCGATATACCTGAGTGCGCATTTTTG

CAGGTTAAACGGTACGTCCTATGAGCAAGTTGCCCGGAGGCATGACATTCTTCGCAG
AGCCCCGGTATGCTTCATTGCCGAA

> Ygr207c (FG757)_*Schizophyllum commune*

ATCGACGATGACGCTGGACAGACGGGTCAGATGCTTGCGGGGCTGCTGGACTGGCCG
CAGGCGACGTTTCATCAGCAAGCTGGACGTCGACCCGGCGAAGAAGGAGGCGTTGGTG
ACCCGGGAGATCGACGGCGGGGAGGAGTTGAAGTGCAGGCTGCCGCTTGTAGTG
ACGACAGACTTGCGGTGC GTGTGATGCTCAGGATTGGGGTTTTTGACTATTCAGGCTG
AACGAGCCGCGGTATGCTTCATTGCCGAA

> Ygr207c (FG757)_*Mycena crocata*

ATCGACGACGACGCCCGCCAGACGGGTCAGATGCTCGCGGGGCTGATGGGATGGGGA
CAGGCGACGTTTCGCCAGCAAGGTGACGTCGATGTGGGTGCGAACTCTGCGACGGTG
ATGCGTGAGATTGACGGCGGGTCAGAGGAAATTCGGTGTCCGCTGCCGTTAGTCGTCA
CCACAGATCTGCGGTGCGTTGCTTCATCGTTCCCTAGCCAATCCTTAAACATATCTACAG
ATTAAATGGTATGCCTCCCCACAAAATGACCTCTCCGCTATGACCGGTTCTCCAGAGC
CGCGCTACGCCTCCCTCCCCAA

> Ygr207c (FG757)_*Hygrophoropsis aurantiaca*

ATCGACGATGATGCGGGACAAACAGGACAAATGTTGGCTGGGCTCATGGGCTGGTCAC
AGGCGACGTTTCGCAAGCAAGGTGCTTGTGACGCAGAAAACAAGTCTGCCAATATCA
CGCGGGAGATTGACGGTGGGCTGCAAGAGTTGAAGTGCAGACTACCACTCATTGTCAC
GACTGATCTTCGGTAAGAGCTCCACTATATGCACCACAAGTTATTTACATTTATCTCCAG
ACTCAACGGTGGGTAATTTACTATTTTCGTTGCCATTTCTTCAAACGTGTTTCAGAGCCT
CGCTACGCTTCACTACCGAA

> Ygr207c (FG757)_*Boletus edulis*

ATCGACGACGATGCAGGCCAGACGGGCCAGATGCTCGCTGGGCTCATGGGTTGGGCA
CAGGCGACGTTTTCGAGCAAGGTGGACGTCGATGCGGCACAAAAAGTGGCACATGTC
ACTCGTGAATCGACGGTGGATTGGAAGAGATTCCGGTGTAGGCTTCCTCTTGTGGTCA
CCACGGATCTGAGGTGAGCCTCTTGTAGGGGATGAAGTAGGCTGATCCATTACCTCCTA
GATTGAATGGTACGTGATGTCCTAGCATCAAGCGTGTTACGCCTCCGTTTCTTCTCAG
AGCCTAGATATGCGTCTTTGCCTAA

> Ygr207c (FG757)_*Phanerochaete carnosae*

ATCGACGATGATGCGGGACAACTGGTCAGATGCTCGCCGGACTGCTTGACTGGCCTC
AAGCGACCTTCGCTAGCAAACTTGTGTTGGACCCGACGAAGAAGGAAGCGAACATTA
CCCAGGAAATTGATGGAGGGCTGCAGGAGGTGAAGTGCAAATTACCTTTAATTGTGAC
AACAGACCTCCGGTACGTTTCATCGCCACATCATTACCTAACCTCATATTCTCCGCAG
GTTGAATGGTGC GTTTATGGTCCACGTATCCGTAGAGCACTATTTTTTTTTTCTTAGAGCC
GCGCTACGCTTCACTACCGAA

> Ygr207c (FG757)_*Auricularia delicata*

ATCGACGACGACGCGGGCCAGACGGGTCAGATGCTCGCGGGGCTCTTGGGATGGAGC
CAGGCGACGTTTTCGAGCAAGCTGACGTCGACGAGCCGAACAAGACCGCTGTTGTG

GTGCGCGAAATCGACGGCGGTGGTGAAGAGATCAAATGCAAGCTGCCTCTTGTGTTGA
CCACGGACTTGCGGTGCGTGTTCGGTACTGTGGACCGTTTATTTACTGGAATTTTTGTA
GTCTAAACCGTGAGTGTACCGCTCAGATGGATAACTGACCCTCTGCAGTGCCGCGTTA
TGCGTCCCTGCCAA

> Ygr207c (FG757)_*Marasmius fiardii*

ATCGATGATGACTTGGGTCAGACAGGGCAAATGTTGGCTGGTCTACTCGGATGGTCTC
AGGCTACGTACGCGAGTAAAGTGGAGCTGGACATTCAAAGAAGGAGGCGACGGTGG
TAAGAGAGATCGACGGCGGCTCAGAGGAAGTGAGGTGTAAGCTGCCGCTGGTGGTCA
CTACGGATCTTAGGTTGAATGGTGTGTTTCTGTTGTCTCTCGGTTTTCCCCTATTATTCA
CGCGTTGTAGAGCCCCGATACGCCTCACTTCCCAA

> Ygr207c (FG757)_*Gymnopus androsaceus*

ATCGATGACGATTTGGGACAGACAGGGCAGATGCTTGCTGGGCTGCTGGGTTGGGGTC
AGGCGACTTACGCGTCCAAGGTGGAGCTGGACTTGGAAAAGAAGAATGCGGTTGTAA
CGAGGGAGATTGACGGTGGTTCTGAGCAAGTGCGAGTCAAGTTTCCATGATCGTAAC
GACAGACCTACGGCTGAACGGTGTGTTGTGGAATAATATTGTTTTCTTTCTCTACCATA
TTTTTCAGAACCGCGTTATGCTTCTTTGCCAA

> Ygr207c (FG757)_*Pluteus cervinus*

ATTGACGACGATTTGGGTATGACTGGACAAATGCTTGCTGGACTCTTGGGTTGGAGTC
AAGCGACTTTCGCGAGTAAGGTAGAGATTGACGTGGAGAAGAAGGAAGCGAGGGTTA
TTCGAGAGATAGATGGCGGTTACAGAGAAATTAATGTCGGCTACCTGTCATTATAACC
ACTGACCTCCGGTATGTCATTCTTATCCCATCATTGACTGACCATCTTTCATCATAGG
CTGAATGGTAAGCTTACCTTCTACGTCATCACGTTTCTTACCTTAGCCGAATGCCAGAG
CCTCGATATGCTACATTACCCAG

> Ygr207c (FG757)_*Tricholoma matsutake*

ATAGATGATGACCTGGGTATGACGGGGCAGATGTTAGCAGGATTGCTCGGCTGGGGCC
AGGCGACGTTTGCTAGCAAGGTGGATGTGGACGTGCAGAAGAAAGAGGCCGTCGTGA
CCAGGGAGATTGATGGAGGCGGCGAGGAGATCCGGTGTTCGGTTGCCTTTGGTGGTGA
CGACTGATCTGCGGTGAGCGATGCAACCCTTGTGACCTAACGGACTGGTTGCGTCAT
AGCCTCAATGGTGATATTTTCCGTTTACGGGGCGTGACTGATTATTACCCTTTACTACAG
AGCCACGCTATGCTTCACTCCCAA

> Ygr207c (FG757)_*Gymnopilus chrysopellus*

ATTGATGACGATTTGGGAGTGACGGGACAGATGCTAGCTGGTTTGATGGACTGGAGCC
AGGCTACGTTTCGCGAGCAAGGTCGAAATTGATACAGACAAGAAAGAGGCCCTTCGTGG
TCAGAGAGATTGACGGTGGAGGTGAAGAAATCAAGTGCCGGCTTCTCTTGTAAATCAC
TACGGACCTGAGGTGGGTAGATCATAATATTCTCCCCTGCTGAACCGTCTTTTTACAG
ATTAAATGGTTAGCGTCTTGACTATTTCCGCTTCAAATCTCACGAGAATTATCCAGAGCC
CCGCTATGCCTCGCTCCCAA

> Ygr207c (FG757)_*Amanita muscaria*

ATTGATGATGACCTTGGTCTTACGGGTCAGATGCTTGCTGGACTGTTGGAATGGCCGCA
AGCCACTTTTGCAGCAAATTGGACCTTGATGTGGATAAGAAAGAGGCTGTTATCGTT
CGTGAAATTGATGGTGGAGGTGAAGAGATCAAGTGTAAGCTGCCGTTGGTGGTTACTA
CAGATTTGCGGTGAGCTTCCCCAGCACTTACCCACTTATGGACAACCACTTTCATTAGC
TTGAATGGTAAGACAAAGTTATTATCTAATTTACGCTTGTGAAAATAGAGCCAAGATATG
CATCGCTCCCCAA

> Ygr207c (FG757)_*Agaricus bisporus* var. *burnettii*

ATTGACGATGATCTCGGACTGACGGGACAAATGCTTTCTGGATTGATGGGCTGGAGTC
AGGCGACTTTTGCAGCAAAGTCGATGTAGACATTGCTAAAAAAGAGGCTGTAGTGAC
TAGGGAGATCGACGGTGGTGGCGAGGAAGTGAGGTGTAAGCTGCCGTTAATTGTGAC
AACAGACTTGAGGTGAGTTGTCTGCTTGAAGGATCAATGGCTGATTACATGGTGCTTTA
GGCTTAATGGTAAGCCCGTTCTTTTCTTAATTTTCGCAGCTAACTTCTTTTCACAGAACC
TCGTTACGCGTCATTGCCTAA

> Ygr207c (FG757)_*Calocera cornea*

ATAGACGACGATGCCGGGCAGACGGGGCAGATGCTTGCTGGGCTGCTGGGCTGCGCG
CAGGCGACGTTTGCAGCAAGCTCGACGTCGACGTCGGCGCGGGGACGGCGGACGTC
ACCCGGGAGATTGACGGCGGGCTCGAGCAGGTTAGGGTCAAGCTGCCCGCGATTGTTA
CGGCGGATCTGAGGTGAGTGGGGCGCATACTCATGCTTGTGCAGGTTGAACGGTA
CGCCCCAGTAGTAAGTGCAGCCGCTAACATTGTCCAGAACCCCGATACGCCTCCCTCC
CCAA

> Ygr207c (FG757)_*Fomitiporia mediterranea*

ATTGATGACGATGCAGGCCAGACTGGCCAAATCCTTGCTGGCTTACTTGATTGGCCTCA
AGCAACGTTTGCAGCAAGGTCACTGTAGATGTAGACAAGAAGACAGCAAATGTTGT
GAGAGAAATAGATGGCGGGCTACAGGAGGTCAAATGCAACCTACCCCTCGTCGTTACT
ACGGATCTTCGGTGCCTGGAGCTATGATTAATCTTTTGCTGATAGTTCTCGGGTCCAGA
TTAAACGGTATTGGCTATCGTCTTACGGATTTACGCTCACTAAGAAATGTTACCAGAA
CCCCGATATGCTTCGCTCCCCGAA

> Ygr207c (FG757)_*Serpula lacrymans* var. *lacrymans*

ATAGACGACGATGCAGGACAGACGGGGCAAATGCTCGCTGGACTTATGGGCTGGGCTC
AGGCGACATTTGCAGTAAGGTAGAGGTGAACACGGCCGACAAGGTGGCCAACGTCA
CGAGAGAAATAGATGGAGGTCTGGAAGAGTTGAAATGTCAGCTACCTCTTGTTGTAAC
CACAGATCTCCGGTGAGTTAGTTTTTCAGCACGTTTCTTTCTGAACGGTGTCTGCATTA
GCCTTAATGGTATGTGACCGGTACTGTTGAGGCTCCCCCTATATTGACGTTTTTCATAGA
ACCTCGGTATGCCTCATTACCAAA

> Ygr207c (FG757)_*Gautieria morchelliformis*

ATCGATGACGATGCTGGACAGACTGGGCAAATGCTCGCTGGTCTGCTGAACTGGGCGC
AAGCTACATATGCGAGCAAGGTAGTCATCTCTGACGACGAAAGAGAAGTGAACGTTAC
CCGGGAAGTGGATGGTGGCGCAGAGGAGCTTCAATGCCGCTTGCCAGCCATTGTTACG
ACTGATTTGAGGTATGTGTTTTGTCTTTTCTAGGATGTCTGAAATTTACCATTAATAGAT

TAAACGGCATGTCTATGCCTGTGATTGTCTTACAAGCAGCTAAATCATAATGACAGAGC
CTCGATATGCCTCGTTGCCTAA

> Ygr207c (FG757)_*Ramaria acris*

ATCGACGATGATGCGGGGCAAACAGGTCAGATGCTTGCTGGTCTCCTGGATTGGGCGC
AGGCCACATATGCGAGCAAGGTAGTTATTGCTGATGATGAAAAGGAGGTAGGCGTTAC
ACGTGAAGTGGACGGTGGTGCAGAGGAACCTGAAGTGCCGATTACCGGTCATCATAACT
ACCGATTTAAGGTTTGTCTTCCGTCTCTTCCTCACCTTGTTAACAGTGCATTTTCAAGAT
TGAACGGTGGGTTTTAAGACAACCTCTGAGAGTTATGAATATATTTCTTTACTGATAGAAC
CCCGTTACGCGTCTTGCCTAA

> Ygr207c (FG757)_*Lactarius quietus*

ATCGACGACGACCTTGGACAGACGGGCCAGATGCTTGCGGCGCTGTTGGGTGCGGCG
CAGGCGACGTGTGCGAGCGCACTTGAGGTGGACGTCGAGAAACGTGTTGCGCGCGTG
CGTACGGAGATTGACGGCGGGGCGCAGGAGCTCCTCTGCACGCTGCCCCGAGTCGTTA
CTACGGATCTTCGGTGCGTGTCCCTTCGGCGTTGTCACTAACCGAACTGTAGTCTCAAT
GGTGTGTGCGGAAAGTCCCTGATACTATAACATGGGTAAAGAGCCGCGGTATGCGTGC
CTACCTAA

> Ygr207c (FG757)_*Stereum hirsutum*

ATTGATGATGATTTGGGACAGACGGGGCAGATGTTGGCGGCGCTGTGGGGGGAGGCG
CAGGCGACGTATGCGAGTAAGGTGGAGGTGGATGTGGAGGAGGGGGTGGCGAGGGTT
ACGACGGAGATTGATGGGGGGGCGGAGAAGTTGAGGTGTCCGTTGCCGGTGGTTGTT
ACTACGGATTTGCGGTACGTTTCTTTTACTGTGCGATCTCATATTGGTGCTCACTCATGTC
AGGTTAAATGGTATGTCTGGTGGTATTTTTATGCTGGTTACTGACTTCGGTCTGCTCCAG
AGCCCCGCTACGCTTCCCTGCCTAA

> Ygr207c (FG757)_*Dacryopinax primogenitus*

ATTGATGACGATTATGGCCAGACGGGGCAGATGCTGGCCGGGTTGCTAGGGTGGGGGC
AGGCGACGTACGCTAGTGGGTGGAGCTAGATTTGGACAAGGGTTGGGCGGATGTAA
CGCGGGAGGTGGATGAGGGGAGTGAACCTGGTCAGGGTGAGACTACCGGCGGTTATCA
CTACTGATCTGAGGTGCGTGCACTTGCATGTAATGCATGAACTGACCCTTCTCTGTGTA
GGCTGAATCGTACCCCCCTTCCCTGTTTCGTCACAACCTGACCCCCGCAGAACCCCGCT
ACGCCTCCCTACCGAA

> Ygr207c (FG757)_*Asperigillus tritici*

ATCGACGGCGACCAGGGCCAGACGGGGCCAGATGCTGGCGGGGTTGCTGAACTGGCCG
CAGGCGACGCAGGCCAGCAAGGTGACATCAAGGATGACAAGGGCACCGTCGAGGT
GACGCACGAGGTGGACGGGGGTGTGGAGACGCTGCGGATGCAGCTGCCGCTGGTGAT
CACGACGGACCTGCGACTGAACCAGCCGCGGTACGCCAGTCTGCCGAA

> Ygr207c (FG757)_*Neurospora crassa*

ATCGACGACGACGCCGGCCAGACGGGGCAAATGCTGGCCGGTCTGCTGGGCTGGGCG
CAGGCCACCCAGGCGAGCAAGATCGAGTTCACCGGCGGCGATTCTGTGCAGGTGACG

AGGGAGGTGGATGGCGGTGTTGAGACGCTCAAGGCCAAGCTGCCCATGGTCATCACG
ACCGACTTGCGCCTCAACGAGCCCCGGTACGCGAGCTTGCCCAA

> Ygr207c (FG757)_*Rhizopus microsporus*

ATTGATGATGACGCCAGTCAAACCTGGACAGATGTTGGCTGGGTTACTCAAGTGGCCAC
AGGCCACATTCGCTTCTAAAGTGGATATCAATGACAAGTCACTCAAGGTTGTACGTGA
AATCGATGGTGGTCTTGAGACAGTGTCTACTAAATTACCTGCTGTTATCACAACCTGATTT
ACGGTATGTGTTTTTATTGACGTGCAAGAGACTCATTATGCTTTGTATAGTTTGAATGAA
CCCCGCTATGCTTCTCTCCCAA

> Ygr207c (FG757)_*Agaricostilbum hyphaenes*

ATTGATGACGATGCATCCCAAGTAGGCAGCATGCTCGGCGGTCTGCTCAACTGGCCGC
AAGCCAATTTTCGTAGCAAGGTCGATCTGGATCCTGCAGCCAGCAAGGTCACAGTGGGA
CAGAGAGATGGATGGTGGTATCGAGACGCTCGAGATGAGCTTGCCTGCGTTGATGTGA
GCGGGTGTGGAGTAGTTACTGCGTCTACAGCGCATCTGACTTGCATTGAACGAGCCT
CGATTCGCATCTCTACCAA

> Yhm2 (FG524)_*Agrocybe pediades*

GCCGAAATCACCCGCGCTAAGACCGCTGCTACTGGTGTCAAACCTCCCTCGACTTGGG
CTGTCTTTGCTGACATCTATCGTCGTGAAGGTCTTGTGGCGTTAACAAGGGTGTAAAT
GCAGTGGCTGTCCGTCAATGTACTAACTGGGGTTCACGGTAAGCAATCCATTGGTTATT
TTTCCACTAAAATCTGACACTTGAAGTATGGGTTTCGCTCGTCTGGCTGAGGACT
CTATCCGTAAAATCAGGGGCAAGGGCGAGGCCGACAAGCTCGGTGCGATGGATAAAAT
TATTGCGTCCTCGATT

> Yhm2 (FG524)_*Coprinopsis cinerea*

GCTGAAATTACGCGCGCAAAGACCGCTGCCACCGGTGTGAAGCCTCCATCGACATGGG
CTGTGTTTCGCCGACATCTACCGGAGAGAGGGTCTGGCTGGCGTCAACAAGGGTGTGA
ACGCTGTGGCCGTCCGACAGTGCACCTAACTGGGGTTCGCCGTACGCCATATCGGCATA
TCAATTAGTTTCGACCTAAATTCCTGTTTTTCAGAATGGGTTTCGCTCGCCTGGCCGAGG
ATATGATCCGCAAAGTCAAGGGCAAGACCGAAGGCGAGAGCCTCGGAGCTGTTGACA
AGATTATTGCCTCGACTGTT

> Yhm2 (FG524)_*Gymnopilus chrysopellus*

GTCGAAATTACGCGAGCCAAAACCTGCCGCTAGTGGTGCCAAGCCTCAATCGACCTGGG
CAGTCTTTGCCGATATATATCGCAGAGAAGGTCTGGCTGGTATTAACAAGGGAGTCAAT
GCTGTCCCGTTTCGTCAATGTACGAATTGGGGTTCGCCGTATGTTTTTACTTTGTATCA
ACGTTGGGCCTCCAAGTGACCTATCAAAGTATGGGTTTCGCTCGCTTGGCAGAAGATG
TTATCCGCAAAGTCAGAGGCAAAGGCGAAACCGAGAAGCTCGGAGCTATGGATAAGA
TTCTTGCCATCTGTC

> Yhm2 (FG524)_*Serpula lacrymans* var. *lacrymans*

GCCGAAATTAATCGTCATAAACAGGCTGCTACTGGTGCAAAGCCCCTTTCTACATGGGC
TGTGTTTCATGGACATCTACCGTCGGGAAGGTATTTCGAGGGATTAACAAGGGTGTAAAC

GCTGTCGCTGTGCGTCAGTGCACAAACTGGGGTTCACGGTAAGCGACTCTCAAATAGG
TCAATCGCGTTTTCAATTGATTACCTATGGCTAGTATGGGCTTTGCTCGTCTTGCCGAAA
CGACTATTCGGAATATCCGGGGCAAGGGAGAAAATGATAAGCTTGGTGCTATGGACAA
GATTATTGCATCTTCGATT

> Yhm2 (FG524)_*Trametes sanguinea*

GCGGAGATCACGCGGCACAAACAAGCAGCGTCCGGGATCAAGCCTCCTTCGACGTGG
GCCGTCTTCGCAGATATCTGGCGGCGTGAAGGTATCCGCGGCATCAACAAGGGCGTGA
ACGCGGTTCGCTGTCCGGCAGTGCACGAACTGGGGTTCGCGCATGGGCTTTGCGCGTCT
CGCGGAGGACACCATCCGGAAGATGAAGGGCAAGGGTGAGCACGACAAGCTCTCGCC
ATATGAGAAGATCTTGGCGTCCTCGATT

> Yhm2 (FG524)_*Phanerochaete carnosae*

GCTGAAATCACGCGCCACAAGCAGGCCGCTGCCGGCGTTAAGCCGCCATCGACGTGG
GCTGTTTTTCGCCGACATTTATCGCCGGAAGGTATTGCAGGCATTAACAAGGGCGTTAA
TGCTGTTCGACGTGCGTCAATGTACGAACTGGGGCTCACGGTGAGTAGAGCTGGCTGGC
CACGGTGTATGCGGGGTTGACATTAATATCTAGTATGGGATTCGCTCGCCTGGCTGAG
AGCACAATACGGAAAGTCAAGGGTAAGGGTGAGAACGAGAACTCACAGCGCCCGA
GAAGATTTTGGCTTCAAGTATT

> Yhm2 (FG524)_*Fomitiporia mediterranea*

GCTGAAATCACACGACACAAGCAGGCCGCTGCCGGCATCAAGCCGCCGTCGACGTGG
GCTGTCTTCGCGGACATCTACCGCAGAGAAGGTATTGCTGGTATTAACAAGGGCGTTAA
TGCGGTGGCAGTCCGCCAGTGCACGAACTGGGGCTCACGGTGAGTTTGATCTGATGCG
GCCGAGAATTACGATTTTGATAGCACACCGTTAGTATGGGCTTTGCCCGTCTTGACAGAG
GCTACCATCCGAAAATCCGTGGAAAGACTGAGAATGACAAGCTCGGTGCTCTTGACA
AGATCCTGGCTTCGTCGATA

> Yhm2 (FG524)_*Fomitopsis pinicola*

GCGGAGATTACGCGGCACAAGCAGGCTGCGTCCGGTGCTAAGCTTCCCTCGACCTGG
GCTGTCTTTATGGACATTTACCGCCGGGAGGGTATCAAGGGCATCAACAAGGGCGTTA
ACGCGGTTCGCCGTCAGGCAAATGACCAACTGGGGCTCTCGGTACGTGCTCGGGCTACA
GTATACGGAATGGGGTAATTGAGAGGGACGTAGAATGGGTTTCGCGCGGTTAGCTGAA
AGCAGTATCAAGAAGCTGAAGGGCAAGGGCGAGAACGACAAGCTTACCCCTCTGGAG
AAGATCGCATCCTCGTCAGTA

> Yhm2 (FG524)_*Calocera cornea*

GCCGAAATCACACGGCATAAGCAAGCCGCCTCGGGGGTCAAGCCGCCAGCACTTGG
GCGGTGTTTCATGGACATCTACAGGCGGAGGGCATTGCGGGTATCAACAAGGGTGTGA
ACGCCGTTCGAGTGCGGCAATGCACCAACTGGGGCTCGCGGTGCGTCTTTCCATTCCA
ATTAAGAAGTTGTAGCTGATCTTTGCGCGTACAGGATGGGCTTTGCGCGCCTGGCCGA
GGACTCGATCCGCAAGATGCGCGGGAAGAAGGAGGGCGAGAACTGGGTGCGATGG
ACAAGATCCTCTCCTCCTCCATC

> Yhm2 (FG524)_*Dacryopinax primogenitus*

GTCGAGATCACACGGCATAAACAGGCAGCGTCGGGTATCAAGCCCCGAGCACGTTTG
CTGTGTTTATGGATATCTATCGGAGAGAGGGTATTGCTGGCATCAACAAGGGTGTCAAC
GCAGTCGCAGTGCGCCAGTGCACAACTGGGGTTCTCGGTGCGTTCTCCACAGCTCC
CACTCCTCTCTGACTAACTGATCTGATGTAGGATGGGTTTCGCCCCCTGGCGGAAGAC
ACAATCCGAAGCATGCGGGGAAAGAAAGAGGGGCGAAAAGCTCGCTCCGATGGACAA
GATCCTCTCTCCTCTATC

> Yhm2 (FG524)_*Laccaria bicolor*

GCGGAAATTACTCGTGCGAAAACCTGCATCGACGGGAATCAAGCCACCTTCAACGTGGG
CCGTCTTTGCGGACATTTATCGTCGGGAGGGTCTCGCCGGTGTTAACAAGGGTGTCAA
CGCAGTCGCCGTTTCGACAATGCACAACTGGGGATCTCGGTAAGAAATGCTGGACACG
TTGGACTCGAATTCAGTCTAAACATTGGGCAGTATGGGTTTCGCGCGTCTTGCAGAGGA
TTCCATTCGAAAATCAGGGGCAGAGGAGAGCATGAACCGGGTAGCGCAGTCGACAA
AATTCTCTCTTCGTTCGATT

> Yhm2 (FG524)_*Amanita muscaria*

GTCGAGATTACGAGACAAAAACCGTAGCTACGGGTGCCAAACCACCCTCAACATGG
GCTGTTTTCGGTGACATCTACCGTCGTGAAGGTCTTGCTGGAGTGAACAAGGGTGTCA
ACGCTGTAGCAGTAAGGCAATGTACAACTGGGGTTCTCGGTAAGCTTTGAATTCGT
GTCTGCTGCTTGCCATGTTGAATTGATTTCCCAAGGATGGGTTTTGCTCGGTTAGCTGA
GGATATGATCCGCAAAGTGAGGAACAAGCGCGAGGATGAGAACCTGGGTGCGATGGA
TAAAATCTTTGCTTCCTCTGTC

> Yhm2 (FG524)_*Stereum hirsutum*

GCCGAGATTACAAGACACAAACAGGCGGCTGCGGGCATCAAGCCACCATCAACATGG
GCTCTCTTTGCTGAGATCTTCCGCAAGGAGGGTCTCCGTGGTGTCAACAAGGGTGTGA
ACGCCGTGGCTGTCCGTCAATGCACTAACTGGGGATCTCGGTATGTATCTGTTCCAACG
GAGTAAGACAGTAGAACTGACCGTTGCTTGTCAGTATGGGCTTTGCTCGGCTCGCTG
AGTCGTCTATTCGGTCAATTCGTGGCAAGGGCGAGAAGGACTCGTTGAGCGCTGTCTGA
CAAGATCATTGCATCTTCAATC

> Yhm2 (FG524)_*Lactarius quietus*

GCTGAAATAACTCGTCATAAACAAGCCGCTGCGGGTGTGAAGCCACCTTCGACGTGGG
CATTATTCTTTGAGATCTTCCGAAAAGAAGGCATTCGTGGTGTAAACAAGGGTGTGAAT
GCTGTTGCGGTGCGCCAATGTACAACTGGGGCTCTCGGCAAGTGGACTATCTTACGC
TGTCATATTGTGAGGACCACCCTTTGCTCAGAATCGGCCTTGCTCGACTTGCGGAAACG
TCGATTCGTAGAGTGCGTGGCAAGGAGGAGGGTCAATCTCTCGGTGCCCTAGACAAAA
TTCTCGCATCATCGATC

> Yhm2 (FG524)_*Pluteus cervinus*

GTTGAGATTACCCGGCATAAGCAAGCCGCGACAGGAGCAAAACCACAGTCGACATGG
GCTGTCTTCGACAGACATATAACCGCCGAGAAGGTCTTGCCGGTGTAAACAAGGGTGTAA

ACGCGGTTGCTGTTCGTCAATGCACGAATTGGGGTTCACGGTGTGTCCCTTTTTAACTT
GACGGCCAGCAAGGTGAAGTTACTCCTTCTAGAATGGGTTTCGCACGTTTAGCGGAGT
CCAGCATCCGAAAGGTTTCGAGGAAAGAGCGAAACTGACAGCCTCGGGCGTCTCGACA
AAGTGTGGCCTCTTCTATT

> Yhm2 (FG524)_*Schizophyllum commune*

GCTGAGATCACTCGCGCAAGACTGCGGCCTCGGGCGTCAAGCCCCCTCAACTTGG
GCTGTCTTCGCCGACATCTACCGGCGTGAGGGTCTGGCCGGCGTGAACAAGGGTGTGA
ACGCCGTCGCGGTCCGCCAGTGCACGAAGTGGGGTTCTCGGTACGCCGTGCCGCTTCA
TGTGATAATCGTTCTGGACTGACCGATGGCAATCAGGATGGGCTTTGCGCGTCTCGCGG
AGACGGCTATCCGGCGGTTACGGGGAGTGGGTGATAATGAGAAGCTCGGGCGCCCTGGA
CAAGATTGCGGCGTCCACAGTC

> Yhm2 (FG524)_*Gymnopus androsaceus*

GCTGAAATTACCCGTCACAAAACGGCTGCTACAGGCGTTAAGCCGCCTTCGACCTGGG
CACTCTTTGCCGAGATATAACCGCAAGGAAGGTCTCGCAGGCGTGAACAAGGGTGTCAA
TGCGGTCGCCGTCGGTCAATGTACGAATTGGGGTTCTAGGTTCTGTCTTGTCTTTTTCA
CAAGCTTCCGTTGTTATGCTTGCACACTTGCACAGAATGGGATTCGCCCCGTTTGGCGGAAA
CAAGCATCCGAAAACCTTCGGGGAAAGACTGAGGACGATAAACTAGGTGCAATGGACA
AAATCTTGGCTTCATCAATA

> Yhm2 (FG524)_*Marasmius fiardii*

GCTGAAATCACCCGTCAGAAAACCGCTGCCTCGGGTGTCAAACCCCCGTCAACCTGG
GCTCTTTTCATGGAGATTTACCGCAAAGAAGGCATTGCGGGCGTCAACAAAGGTGTCA
ATGCAGTGGCTGTTCGTTCAGTGCACCAACTGGGGCTCTCGGTGAGTAAAGTCGGATCA
AATTAACGCTAACACATCTCTCACAGCATGGGTTTTGCCCGCCTTGCAGAGTCCACC
ATCCGTAAGATTGCGGGTAAGACTGAAAGCCAAAATCTTTCTGCGATGGATAAGATTCT
TGCTTCTTCGATT

> Yhm2 (FG524)_*Mycena crocata*

GCCGAAATCACGCGCCAAAAGACGGCCGCTACTGGGGTCAAACCACCATCGACATGG
GCGTTGTTTGCCGATATGTACCGTTCGGGAAGGGCTTGCAGGGGTGAACAAGGGCGTAA
ACGCTGTTGCGGTCCGCCAGTGCACCAACTGGGGTTCTCGGTGCGATCCTTTGACCGC
GACTTGTCTTGATTCTAGCCAATCCCACTCAGCATGGGCTTCGCCCCGTTTGCAGAGAC
TGGAATCCGGAGACTTCGGGGCAAATCTGACACCGACTATCTCGCTCCAATGGACAAA
ATTCTCGCTTCCTCCATT

> Yhm2 (FG524)_*Tricholoma matsutake*

GTCGAGATAACTCGGCATAAGACTGCGGTGACTGGGGTCAAACCTCCATCGACATGGG
CCGTTTTTGTGCTGACATATATCGACGCGAAGGCCTTGCCGGAGTTAACAAGGGCGTGAAT
GCCGTTGCAGTTCGCCAGTGCACAAACTGGGGATCTAGGTAAGGAACTGTAATCCTTG
TTTGTATTAAGTGCTCTGACTCGTCTAGAATGGGTTTTGCTCGCCTGACAGAATCTTC
AATTCGAAAATCAAAGGTAAAACCGAATCGGACAGTTTAGGAGCTTTCGACAAAATC
CTTCTTCGACGGTT

> Yhm2 (FG524)_*Hygrophoropsis aurantiaca*

GTCGAGATTACCCGTCATAAAGCAGCTGCAGCTGGTGTAGAACAGACAACGTTCCAGG
TCTTCATGGATATCTACCGTCGGGAAGGTATCAGAGGCATAAACAAGGGTGTAAACGCC
GTTGCTGTACGGCAATGCACTAACTGGGGGTCACGGTAAGACATTTATATACGAAAATG
ATCCAATAACGTTTCGATGACCAGAATGGGTTTTCGCTCGTTTTGGCTGAAACAATGATCC
GGAATGTTCCGGGGCAAGGGGGAGAAAGACCAATTGGGGGGCGATGGACAAAATCCTCG
CTTCGTCAATA

> Yhm2 (FG524)_*Boletus edulis*

GTCGAAATCACTCGACACAAAGAAGCCGCAAGTGGTGTACAGCGGTCAACCTTTCAA
GTATTCATGGACATATAACCGCAAGGATGGTATTCGCGGAATTAACAAAGGTGTCAACGC
GGTTGCTGTGCGTCAATGTACCAACTGGGGCTCACGGTGC GTTGT TTTATTTAATTTTAT
TGATGATGTTTTAGTATGGGATTTGCCCGGCTGGCTGAGACAATGATCTCGAATATGCGT
GGCAAAGGTGAACACGAGAACTGAGTGCAGCCGACAAGATCCTT
TCCTCTTCAATT

> Yhm2 (FG524)_*Agaricus subrufescens*

GTCGAGATTACTAGGGCCAAGACCGCTGCTTCGGGAGTTAAGCCCCATCAACATGGG
CCGTGTTTCATGGATATCTATCGCCGCGAAGGTATCGCTGGTGTGAATAAGGGAGTAAAT
GCCGTCGCAGTCCGCCAGTGCCTAACTGGGGTTACGTATGGGATTCGCCGCCTCGC
GGAATCGTATGATTCGTAAAGTTCGTGGCAAGGGCCAGGATGAGAGCCTCAGCGCTTT
CGAAAAGNTACTCAGCCTCGACTGT

> Yhm2 (FG524)_*Gautieria morchelliformis*

GCTGAAATCACAAGGCACAAACAGGCTGCAGCGGGCGTGAAACCACCTTCCACTTGG
GCACTATTTGCTGACATATAACCGTCGAGAGGGTATTAAGGGTATCAACAAAGGTGTCAA
TGCCGTAGCTGTCCGTCAGTGTACCAACTGGGGTTCTAGGTACGCCGGAATACATTTTG
CAAGGGCGATAATAAAGGTCATGATACAGGATGGGCTTCGCTCGTTTAGCTGAAGACC
TGATACGTACAACACGGGGCAAGCAGCAAGGTGAGTCCTTGAGTGCCTCGACAAGA
TTCTCAGTTCGGCAATT

> Yhm2 (FG524)_*Ramaria acris*

GCTGAGATCACCCGCCATAAACAAGCTGCTTCGGGCGTGAAACCACCATCAACATGGG
CTCTGTTTGCTGACATTTACCGTCGAGAGGGTATCAAGGGCATCAACAAGGGTGTAA
CGCCGTGGCCGTACGCCAATGCACTAACTGGGGGTCCAGGTGAGCTGAAAATCACTTG
ATAAAGTGGCTGCCCTGACCACCGTCTTCTAGGATGGGTTTCGCTCGTTAGCAGAG
GACATGATTCGCAAGGCACGGGGCAAGCAACACGGTGAATCACTGAGCGCCCCCGAC
AAAATTTTCAGTTCAGCAATC

> Yhm2 (FG524)_*Auricularia delicata*

GCAGAAATTACGCGCCACAAGCAGGCCGAGTCCGGTATCAAGCCCCGTCGACCTGG
CAAGTTTTCGCCGATATCTATAGGCGTGAGGGTATTGCGGGCATCAACAAGGGCGTCAA

CGCGGTGGCCATCCGGCAGTGCACGAACTGGGGCGCCCGGTGCGTGCTCAGACGCAC
ATTCCCACCGTGCGAGCTGAACTGGCGGACAGCATTGGTCTCGCGCGCTTAGCTGAGA
GCTCGATCCGGAACTCCAGGGCAAGACGGAGAAGGAGCAGCTTGGCGCGTTTGAGA
AGATTGCAAGTTCAACCATC

> Yhm2 (FG524) *Asperigillus triticus*

GTGGAGATCACCAAGCACAAGATGGCTGCCAGGGCGTGAAGCCGCCAGCACCTTT
GCGACCTTCATGGACATCTACCGCCGCGAGGGCATCCGGGGTATCAACCGTGGTGTGA
ACGCCGTCGCCATCCGCCAGACGACGAACTGGGGTTCTCGCTTCGGTCTCTCTCGTCT
GGCCGAGTCGGCCATCCGTAGCGTGACGGGCAAGGACGACAAGGAGAAGCTGGGCG
CCGCGGAGAAGGTCTCGCCTCGGGTCTG

> Yhm2 (FG524) *Neurospora crassa*

GTCGAGATTACCAAGCACAAGATGAGCGCCGCCGCGCCAGAAGGCCCCCGGCACTTGG
GCTACCTTCATGGACATCTACCGCCGCGAGGGTATCCGCGGTATCAACAAGGGCGTCA
ACGCCGTTGCCATTCGCCAGATGACCAACTGGGGTTCCCGTTTCGGTCTCTCCCGCCTT
GCTGAGCAGGGTATCCGCAAGGCCACTGGCAAGGAGGAGGGACAGAAGCTGGCCGC
GTGGGAGAAGATTCTCGCCTCCGCCCTT

> Yhm2 (FG524) *Agaricostilbum hyphaenes*

GCCGAAATTACAAGACACAAACAAGCTGAAGCTGGTCTCAAACCTCCTGGTACTATGG
AGACTTTCATGAACATCTACAGGAAGGAGGGTCTGGCTGGCATCAACAAGGGTGTCAA
CGCTGTGCGGTAGGTTTCGATGCCCGACAATAAGCCATCTTCAGCTTATCGTGGGTGAT
GTCGAACAGGATTCGACAAATATTGGGGATCTCGCATGGGCTTTGCAAGATTGGCAGA
GCAGAGCATTTCGCAAAGCTCGAGGCAAGAGGGAAGACGAGAAGCTGGGTGCTTTGGA
TCGTGTCTTTGCTAGCTCTGTC

> Yhm2 (FG524) *Rhizopus microsporus*

GTCGAAGTGACAAGACAAAAATCTGTTGCAGCTGGCACAGAGTCTACTTTTGCAATTG
CTGGTAAAATATTTAAGAAGGAAGGTATCAGAGGAATGAATAAGGGTGTGAATGCGGT
AGCCCTTAGACAATGTACCAACTGGGCATCCAGATTTGGTATTGCGCGTTTTGCTGAAG
AAGCCATCGTTAAACTAAGACATGGCGAAAAGGGTGTAGCAGAAGGAACTGACAAAG
CACTGGCATCTGTAGTA