**Figure S1**. *Trichoderma* species phylogenetic tree. The tree was inferred from alignments of coding nucleotide sequences of *act1, cal1, fas1, lcb2, rpb2, and tef1* housekeeping genes. Trees for these six genes were inferred by two methods, and the results were combined: 1) nucleotide sequences from each gene were aligned separately, the alignments were concatenated, and the resulting concatenated alignment was subjected to maximum likelihood analysis using IQ-tree software 1.6.7[1]. Branch support was determined by bootstrap analysis after 1000 pseudoreplicates. 2) nucleotide sequences from each housekeeping gene were aligned separately and subjected to maximum likelihood analysis separately. The resulting six trees were used to generate a consensus tree using RAxML software [2]Branch support was determined by internode certainly (IC) analysis as implemented in RAxML[3]. The tree in the figure was inferred using method 1 but shows branch support values derived from both methods: bootstrap values are shown before the forward slash (i.e. /), and the IC values are shown in red color after the forward slash. At the right size of the tree, there are indicated in red color the names of the *Trichoderma* Clades or Sections where the different species included in the present study are located. The strains isolated and analyzed in the present work is squared with a blue line.

1.    Nguyen, L.T.; Schmidt, H.A.; Von Haeseler, A.; Minh, B.Q. IQ-TREE: A fast and effective stochastic algorithm for estimating maximum-likelihood phylogenies. *Mol. Biol. Evol.* **2014**, *32*, 268–274, doi:10.1093/molbev/msu300.
2.    Stamatakis, A. RAxML version 8: A tool for phylogenetic analysis and post-analysis of large phylogenies. *Bioinformatics* **2014**, *30*, 1312–1313, doi:10.1093/bioinformatics/btu033.
3.    Salichos, L.; Stamatakis, A.; Rokas, A. Novel information theory-based measures for quantifying incongruence among phylogenetic trees. *Mol. Biol. Evol.* **2014**, *31*, 1261–1271, doi:10.1093/molbev/msu061.

Supplementary Data. Appendix. Sequences retrieved from the genomes analyzed in this work.

Appendix S1. *act1* resulting coding sequences retrieved from the genomic sequences

>*Trichoderma*_sp._T214
ATGGCCCAGCAGCCTTTGCCCACGTCGGCGCAGCCAACCGACATTTACGGCGGAGATGAGGT
CTCTGCCCTCGTTCTCGACCCCGGCTACTGTAACACGCGAGCAGGTTTTGCCGGCGAAGATGT
TCCCAAATCAATCCTGCCGTCCTTCTACGGCCACATCACCAGCGATCCCCCGCGAGACCTGTT
TGGCGATGAGTGCATCATCCCGCGCGGCGACTTCGAGGTCCGCAACTACATGAACAAGGACA
GCGTTGTGGAGGATTGGGATGTCGCCGCCAAGATGTGGGAGTTTATGCTGGTTAAGCGCCTGC
AGCCCGAGAGACAGACGCCTCCGTCCAAGAATGGATTGAATGACGACGTGAAAGACCAGGA
TGGCGAGGGCGATGTCGCGATGGAGGAGATCGAGGGTCAGGAAAAGCCTCTGGAGGAGTTT
CCATTGCTGATGACAGAAGCTCCCTGGAACTCGCCCAAGGCGCGTGAAAAGGCTATTGAGCT
TAGCATGGAGAGCTGGGGGACCCCGGCCTTTTGGTTGAGCCGGACACCTGTTCTATCTGCCTT
CGCTGCTGGCAAAGCGACGGCTCTTGTCATCGATATCGGTGGCGCAAACACCTCCGTCACAG
CTATGCACGACGGCATGGTTCTCAAGAGATCTATCCAGCGATCACCTGCAGGTGGCCTGTGGC
TGTCTTCGCAGATCCGCAACATGTGGGAAACCTCTGAGCCCAAGGTCGACTTGATCCCGACAT
TCATGGTTGAGAACAAGACTCCTGTCGATGCCCTCGCCCCCGCCCAGGCACGACTACGCGAA
TTCCCATACAAGATTCATGACTCCTTCCGAGCATTCGAAGAGGAGCGACTGCTCACCGAGTTC
AAAGAGTCCGTCGTCGAGGTTTGGCGTGGCCCCGGACGGTATGGTGCCGCTGGGAACGAGG
AGTACATCAAGTCACAGCCTGGCCGCGTATTTGAGATGCCCGATGGCTACAACCAGATGTGGC
GCGAGCAGCGATTCAAGGTGGCCGAGGGAATGTGGGATGAGAACGCCGGATACCCCGTTCCC
GAGGCGGAGCGTCTCACCAAGGCTCAGACTATCCCTGAGCTTATCCGCTCTGCTCTCAACGCC
ATTGATGTTGATCTTCGGGGCAACCTTCTCGCTAATGTTGTCGTTACTGGTAGCACAAGCTTGA
TCAACGGCTTCAACGACCGACTCAACAATGAGCTGACAGCCATGTATCCGGGATTGAAGATC
AAGATTCACGCGGCCGGCTTGTCGAGCGAGCGTAGATTCGGTGCTTGGATCGGCGGCAGCAT
TCTGGCCAGTCTGGGTACTTTCCATCAGATGTGGATATCCAAGAAGGAGTATGAGGAAAACGG
ACCGGGCATTGTCGAGAAGCGATGCAAATAG

>*Trichoderma*_sp._T065
ATGGCCCAGCAGCCTTTGCCCACGTCGGCTCAGCCAACCGACATCTACGGCGGAG
ATGAGGTCTCTGCCCTCGTTCTTGACCCCGGCTACTGCAATACGCGAGCAGGCTTCGCTGGCG
AAGATGTCCCCAAGTCAATTCTACCATCGTTCTACGGCCATGTCACCAGCGACCCTCCCCGAG
ATTTATTTGGCGACGAGTGCATCATCCCACGAAGCGACTTTGAGGTCCGCAACTACATGAACA
AGGACAGCGTCGTAGAGGACTGGGATGTGGCGGCTAAGATGTGGGAATTCATGCTGGTTAAG
CGCCTACAGCCCGAGCGACAGACGCCGCCATCAAAGAATAAGCTAAACGACGACGTGAAGG
AGCAGGATGGCGAAGGAGATGTCGCGATGGAAGAAGTCGAGACGATGGAGAAGGCTCTAGA
AGAGTTCCCCTTGCTGATGACAGAAGCTCCGTGGAACTCGCCCAAGGCACGTGAAAAGGCC
ATCGAGCTCAGCATGGAGAGCTGGGGGACTCCCGCCTTCTGGCTAAGCCGGACTCCCGTTCT
GTCGTCATTCGCCGCTGGAAAAGCTACTGCCCTTGTCATTGACGTTGGTGGCGCCAATACCTC
CGTTACAGCTATCCATGATGGCATGGTTTTGAAGCGATCTATCCAGCGATCACCCGCGGGCGGT
CTATGGCTGTCTTCGCAGATCCGCAACATGTGGGAAACTTCCGAGCCGAAAGTGGACTTGGTT
CCGACGTTTATGGTTGAGAACAAGTCTCCCGTGGATGCTCTTTCTCCTGCCCAGGCGCGACTA
CGCGAGTTCCCTTACAAGATCCACGACTCTTTTCGAACATTTGAAGAAGAGCGGCTGTTGACC
GAGTTCAAGGAGTCCGTTGTTGAGGTTTGGCGTGGACCTGGAAGATACGGCGCCGCTGGAAA
CGAAGAGTACATCAAATCTCAGCCTGGCCGTGTGTTTGAGATGCCTGATGGCTACAACCAGAT
GTGGCGCGAGCAGCGATTCAAGGTCGCTGAGGGCATGTGGGACGAAAACGCCGGGTACCCC
GTCCCCGAGTCGGAGCGCCTCACCAAGGCCCAGACCATCCCCGAACTTATCCGTTCCGCCCTC
AATGCTATTGACGTTGACCTGCGGGGCAACCTCCTCGCCAACGTCGTTGTTACGGGAAGCAC
AAGTTTGATCAACGGCTTCAACGACCGTCTAAATAACGAGCTGACAGCGATGTACCCTGGGCT
GAAGATCAAGATTCACGCTGCAGGTCTGTCGAGCGAGCGCAGATTCGGTGCCTGGATTGGTG
GAAGCATTCTTGCTAGCTTGGGAACTTTCCACCAAATGTGGATATCCAAAAAGGAGTATGAGG
AAAACGGAGTTGGCATTGTCGAGAAGCGATGCAAATAG

Appendix S2. *cal1* resulting coding sequences retrieved from the genomic sequences

>*Trichoderma*_sp._T214
ATGGCTGATTCTCTTACCGAAGAGCAGGTCTCTGAGTTCAAGGAGGCCTTCTCCCTCTTTGAC
AAGGACGGTGATGGCCAGATCACCACCAAGGAGCTGGGCACCGTGATGCGCTCCCTCGGCCA
GAACCCCTCCGAGTCAGAGCTCCAGGACATGATCAACGAGGTCGATGCCGACAACAACGGAT

CTATCGATTTCCCCGAATTCCTGACCATGATGGCACGAAAGATGAAGGACACTGATTCCGAGG
AGGAGATCCGAGAGGCATTCAAGGTCTTTGACCGCGACAACAACGGCTTCATCTCAGCCGCT
GAGCTGCGCCATGTCATGACATCCATCGGCGAGAAGCTCACCGACGACGAGGTCGATGAGAT
GATTCGCGAGGCCGATCAGGATGGTGATGGCCGAATTGATTACAATGAGTTTGTCCAGCTTAT
GATGCAAAAATAA
>*Trichoderma*_sp._T065
ATGGCTGATTCACTTACCGAAGAGCAGGTCTCTGAGTTCAAGGAGGCCTTCTCTCTCTTTGAC
AAGGACGGCGATGGCCAGATCACCACCAAGGAGCTCGGCACTGTCATGCGCTCTTTGGGACA
GAACCCCTCCGAGTCAGAGCTGCAGGACATGATTAACGAGGTCGATGCCGACAACAACGGAT
CCATCGATTTCCCTGAGTTCCTTACCATGATGGCACGAAAAATGAAGGACACCGATTCCGAGG
AGGAGATCCGAGAGGCTTTCAAGGTCTTCGACCGCGATAACAACGGCTTCATCTCAGCTGCC
GAGCTGCGCCATGTCATGACATCTATTGGCGAGAAGCTCACCGACGACGAGGTCGATGAGAT
GATTCGTGAGGCCGATCAGGATGGTGATGGCCGAATTGATTACAACGAGTTTGTTCAGCTCAT
GATGCAAAAATAA

---

Appendix S3. *fas1* resulting coding sequences retrieved from the genomic sequences

>*Trichoderma*_sp._T214
ATGCGTCCCGAAGTCGAGCAAGAGCTCGCCCACACGCTCCTCGTCGAGCTTCTGGCATACCA
GTTCGCCTCTCCCGTGAGGTGGATTGAGACCCAGGATGTCTTCCTGGCAGAGAGAACAGCCG
AGCGCATCGTCGAAGTCGGCCCCGCAGATACCCTTGGAGTCATGGCAAAGCGCACACTGGCA
TCCAAGTACGAGGCCTACGACGCCGCCAAGTCGGTTCAGCGACAGATCCTCTGCTACAACAA
AGACGCCAAGGAGATCTACTATGATGTAGACCCCGTTGAGGAAGAGCCCGAGCCTGTTGCCA
GCTCATCCGCTGCTCCCACAAGTCAACCCGCTGCTGCCAGCGCTCCTGCGGCTGCTGCGCCA
GTTGCTGCTGCTCCCGCTGCCGGCGCTGGACCTGCAGCTCAGGTTCCCGATGTGCCTGTCCAG
GCTGTCGAGATTGTGCACACCTTGGTTGCACAGAAGCTCAAGAAGTCTCTAGCTGATGTGCCT
CTTAGCAAGGCCATCAAGGATCTGGTTGGAGGCAAATCCACTCTTCAAAATGAGATTCTCGGT
GACCTTGGAAAGGAATTCGGCTCAACACCTGAGAAGCCCGAAGATACACCTCTCGACGAGCT
CGCCGCCTCTATGCAGGCTACCTTCGATGGCAACCTTGGCAAGCACACAGTATCCCTCATCGC
TAGGCTCATCTCCTCCAAGATGCCTGGTGGCTTCAACATCACAGTGGCCAGGAAATATCTGGA
AACAAGATGGGGTCTCGGCCCCGGCAGGCAAGACGGAGCATTGCTGCTGGCCTTGACCATGG
AGCCTACTGCCCGTCTAGGAAACGACGGTGAGGCCAAGGGATTCCTCGACGGAATTGTCCAG
AAATACGCCGCGAGCGCCGGTATCAGCTTGACATCTGCAGCTGCTTCTGGTGGCTCTGAAGGA
GGTGCGGGAGGCATGATGATGGATCCCGCCGCCATCGATGCTCTCACCAAGGACCAGCGCGC
CCTGTTCAAGCAGCAGTTGGAGCTCTTTGCCAGATACCTCAAGATGGACCTCCGGGCCGGCG
ACAAGGCACACATTGACTCCCAGAAATCAGAAAAGGTTCTCCAAGCTCAGCTGGATCTGTGG
ACCGCCGAGCACGGCGATTTCTACGCTTCTGGTATCGAGCCTGTCTTTAGCCCGCTCAAGGCT
AGATCCTACGACTCCTCCTGGAACTGGGCTCGTCAGGATGCGCTCACCATGTTCTACGACATT
ATCTTTGGTAGACTCAAGACCGTCGACCGTGAAATTGTCAGCCAGTGCATTCGCATCATGAAC
AAGTCAAATCCCAAGCTCCTCGAGTTTATGCAGTACCACATCGACAACTGCCCTACTGAGCGC
GGTGAGACCTACCAGCTGGCCAAGGAGCTTGGTCAGCAGCTCATTGAGAACTGCAAGGACG
TTCTGAACCTTTCCCCCGTCTACAAGGACGTTGCTGTCCCCACTGGTCCTCGCACCACTGTGG
ACGCTCGTGGCAACCTCAACTACGAAGAGGTTCCCCGCGCCAGCTGCAGAAAGCTCGAGCA
CTACGTTCAGCAGATGGCTGAGGGTGGAAAGATTTCCGAGTATGGCAACCGCACCAAGGTGC
AAAACGACCTGCAGCGTATCTACAAGTTGATCAAGCAGCAGCACAAGATTTCCAAGACTTCT
CAGCTCGAGATCAAGAGCCTGTACGGCGATGTTCTGCGCTCTCTGGCCATGAACGAGAGCCA
GATCCTCCCCAAGGAGAATGGCAAGGGCCGAAAGCCAGGTCTCAAGGGCACAAACCCCAAC
AAGGGCCGAGTCGAGACCATCCCCTTCCTCCACCTCAAGAGAAAGACCTTGCACGGCTGGGA
CTACAGCAAGAAGCTCACTGCTGTCTACCTCAACTGTCTTGAGGAAGCGGCCAAGGATGGTG
TCACCTTCCAGGACAAGTATGTCCTGATGACTGGTGCCGGTGCCGGTTCCATTGGTGCCGAGG
TCCTGCAGGGCCTCATCAGCGGAGGTGCCAAGGTTGTGGTTACCACTAGCCGATTCTCTCGAC
AGGTGACCGAGTACTACCAGTCCATGTACAGCCGCTTTGGCTCTCGCGGATCGCAAATCGTCG
TCGTTCCCTTCAACCAGGGAAGCAAGCAGGATGTGGAGGCTCTTGTCAACTACATCTACGATG
CCAAGACCGGTCTCGGCTGGGATCTCGACTTCATTGTTCCCTTCGCTGCCATTCCTGAGAACG
GCCGACAGATTGATAGCATCGATTCCAAGTCGGAGCTGGCTCACCGTATTATGCTCACCAACT
TGATCCGCATGCTTGGCTGCGTCAAGACTCAAAAGGCTGAGCGTGGCTTCGAGACCCGTCCC
GCCCAGGTCGTCCTCCCTCTGTCCCCCAACCACGGTACCTTCGGTAACGATGGTCTCTACTCG
GAGTCCAAGCTGGCTCTTGAGACCCTCTTCAACCGATGGCACTCCGAGGACTGGGGCCACTA
CCTCACCATTTGCGGTGCTGTCATCGGATGGACTCGTGGTACTGGTCTCATGTCTGGCAACAA

CGTTGTTGCTGAGGGTGTGGAGGCGTTCGGCGTGCGAACCTTCTCCCAGCAAGAGATGGCCT
TCAACCTGTTGGGCCTGATGTCAGCTACCATTGTTGATCTCTGCCAGTCAGAGCCCGTCTTTG
CCGACTTGAACGGTGGCCTGCAATTCATCCCCAACCTGAACGAGTCCATGACCAAGCTCCGC
AAGGATATCATGGAGACTAGCGAAATCCGCAGAGCCGTTACCAAGGAGAGCGCTATCGAGAA
CACCATTGTTAACGGAGCCGACTCCGAGGTTCTTTACAAGAAGAAGACTATCGAGCCCCGTG
CCAACATCAAGTGTGACTTCCCTCACCTGCCTGACTGGAAGACGGAGGTGGCCCCTCTCAAC
GACCAGCTGAAGGGCATGGTTGACTTGGAGAAGGTCATTGTTGTGACCGGTTTTGCGGAAGT
TGGTCCCTGGGGTAACTCTCGAACTCGATGGGAGATGGAGGCCTATGGCGAGTTTTCGCTCGA
AGGTTGCATCGAAATGGCCTGGATCATGGGCCTTATCAAGAACCACAACGGTCCCCTCAAGG
GCAAGCCCTATGCTGGCTGGGTTGACGCCAAGACTGGCGAGCCCGTCGATGACAAGGATGTC
AAGCAGAAGTACGAGAAGCACATCCTGGAGCACTCCGGTATTCGTTTGATCGAGCCCGAGCT
GTTCGACGGATATGACCCCAACAAGAAGCAGCTGCTCCACGAGGTCGTTATCCAAGAGGACC
TGGAGCCTTTCGAGGCTTCCAAGGAGACTGCAGAGGAATTCCGACGCGAGCATGGTGACAA
GGTGGAGATCTTCGAGATCCCCGAGAGTGGAGAGTACATTGTCCGGGTGAAGAAGGGCGCCT
CACTCTGGATCCCCAAGGCTCTGCGCTTTGACAGACTCGTCGCCGGTCAGATCCCGACTGGCT
GGGACCCCAAGCGATATGGTGTCCCCGAGGACATCATCAGCCAGGTGGACCCTGTCACCCTG
TTCCTTCTCGTGTCGACTGCCGAGGCTCTGCTGTCGTCTGGTATCACCGACCCCTATGAGTTCT
ACAAGTACGTTCACGTCTCTGAGGTTGGTAACATTGTCGGCTCTGGTATGGGTGGTGCTGCAG
CCCTTCGTGGCATGCACAAGGCCCGATTCCTCGACAAGCCTCTTCAGAACGACATCCTGCAG
GAGTCTTTCATCAACACCATGGCTGCATGGGTCAACATGTTGCTGCTCTCTTCGTCTGGACCTA
TCAAGACGCCTGTCGGCGCTTGTGCTACTGCTATTGAGTCTGTCGACATTGGTGTGGAGACTA
TTCTCGAAGGCAAGGCACGCATCTGTCTCGTTGGTGGTTTCGACGACTTTGGTGAGGAAGGC
TCTTATGAGTTCGCCAACATGAAGGCCACCAGCAACAGTGTGGATGAGTTTGCCCATGGCCGT
ACACCCGGTGAAATGTCACGACCTACTACCACTACCCGAAACGGCTTCATGGAGTCTCAGGG
ATGTGGTGTCCAGGTCATCATGACTGCCCAGCTCGCTCTGGACATGGGTGTCCCGATCCACGG
TATCCTTGCCTTTACCACCACCGCTTCCGACAAGATTGGACGATCCGTCCCTGCGCCTGGCAA
GGGTGTCCTCACTTCTGCCCGAGAGCATGCTGGCAAGTTCCCATCGCCGCTGCTTGATATCAA
CTACCGCCGCCGACAGATTGAGCGCCGCAAGAAGCTGATCAAGCAGTGGGAGGAGTCTGAG
TTGGAGTTCCTGCACGATGAGGTTGATGCTATGAAGGCTCAGGGCGGTAAATTCGACGAGAA
GGAGTACGCTCAGGACCGCATGCTGCACATCCAGAAGGAGGCCGCAAGACAAACAAAGGAG
CTCCTCCGAAGCATGGGTAACAACTTCTGGAAGAGTGACCCAAGCATCGCTCCTCTCCGAGG
TGCCCTTGCAACCTGGGGTCTTACCATTGATGATGTCAAGGTGGCCTCGTTCCACGGCACATC
CACTGGCGCCAACGACAAGAACGAGTCTGCGGCCATCTGCCAGCAGCTGCGTCACCTTGGCC
GAAGCGAGGGCAATGCCATTATGGGTGTCTTCCAAAAGTTCCTTACTGGTCACCCCAAGGGTG
CTGCCGGTGCTTGGATGTTGAACGGCGGCCTGCAGATCCTCAACTCTGGATTGGTCCCTGGTA
ACAGAAACGCCGACAACATTGACCCCATCATGGAGCAATACGACCTGATTGTCTACCCCAGCC
GTAGCATCCAGACTGACGGAGTCAAGGCCTTCTCCCTGACCTCGTTTGGTTTCGGACAAAAG
GGAGCCCAGGCAGTCGGTGTTCACCCCAAGTATCTGTTCGCTACCCTCGACGAGAAGACTTA
CGATGCGTACCGCGTCAAGGTCGAGGCCCGACAGAAGAAGGCCTACCGCTACTTCCACAACG
GAATGATTAGCAACACCCTGTTTGTCTCCAAGGCCAACGCGCCTTACAGCGATGACCAGCTCA
GCGCTGTGCTGCTGAACCCCGATGCTCGTGTGAGCGAGGATAAGAAGACGGCGGAGCTTAAG
TATGCCGCCAACTTCATGAAGCAGTCTGAGAAGATCACTCCCGCGACCACCGTCAAGGAGAC
TCAGCAGGTCATCGAAGCGCTCGCGCACAAAGTGACGAGCAAGAACAGCAACGTCGGCGTT
GATGTCGAGGATATTCCATCCTTCAACATTGACAATGACACGTTCATTGAGCGTAACTTCACCA
CCCAAGAAGTGGCCTACTGCAAGACTGCCCCTAGCCCGCAGAGCTCATTTGCTGGCCGATGG
AGTGCCAAGGAGGCCGTGTTCAAGGCCCTTGGTGTTGCCAGCAAGGGAGCTGGCGCTGCCTT
GAAGGACATTGAGATTCTCAAGGACGACACCGGCGCGCCTGTTGTTACTCTCCATGGTGAAG
CCGCCGCCGCTGCCAAGCAGGCTGGTGTCAAGGAGGTCTCGGTCTCCATTTCACACGCCGAC
AAGCAGGCCGTTGCCGTAGCAGTTGCCCATTTCTAA
>*Trichoderma*_sp._T065
ATGCGTCCTGAAGTTGAGCAAGAGCTCGCCCATACGCTCCTCGTTGAGCTTCTAGCATACCAG
TTCGCCTCTCCCGTCAGGTGGATTGAGACTCAGGATGTGTTCCTGGCAGAGAAAACGGCCGA
GCGCATCGTCGAAGTTGGTCCCGCAGATACCCTCGGAGTGATGGCCAAGCGCACATTGGCGT
CCAAATACGAAGCCTACGACGCTGCCAAGTCTGTTCAGCGACAGATCCTCTGCTACAACAAA
GACGCCAAAGAGATTTACTACGATGTCGACCCCATTGAAGAAGAGCCCGAGCCCGCTGCGGC
CAGCTCATCAGATGCCCCCAGCCAGCCTGCTGCGGGCGCCCCCGCGGCTGCTGCTCCGGCTG
CTGCTGCCCCAGCTCCCTCCTCAGGGCCTGCAGCTCAGGTTCCTGATCAGCCAGTGCAGGCT
GTCGACATTGTACACACCATCGTTGCGCAAAAGCTCAAAAAGTCTCTTAGTGATGTGCCTCTG
AGCAAGGCCATCAAGGATCTGGTTGGAGGCAAATCCACTATGCAGAATGAGATTCTCGGTGAT
CTTGGCAAGGAATTCGGCTCAACGCCTGAGAAGCCCGAAGATACCCCTCTCGACGAGCTCAG

CGCTTCCATGCAGGCCACCTTCGACGGCAACCTGGGCAAGCACACACAGTCACTCATCGCCA
GATTGATCTCCTCGAAGATGCCTGGTGGCTTCAATATCACAGTAGCAAGAAAATACCTGGAAA
CAAGATGGGGCCTTGGTTCTGGTAGACAAGACGGAGCACTGCTGTTGGCTTTGACCATGGAG
CCTGCTGCTCGTCTAGGCAACGAAGGCGAGGCTAAGGGTTTCCTTGACGGAGTTGTCCAGAA
ATATGCCGCCAGTGCCGGTATCAGCCTGACATCCACGGCAGCTTCTGGTGGTTCCGAAGGCGG
CTCGGGAGGCATGATGATGGATCCCGCTGCCATTGACGCCCTCACCAAGGATCAGCGAGCGCT
GTTCAAGCAGCAGCTCGAGCTCTTTGCCCGATACCTCAAGATCGACCTCAGGTCGGGCGACA
AGGCGCACATTGAGTCTCAAAAATCAGAAAAGGTCCTGCAGGCCCAGCTCGACCTGTGGACC
GCAGAGCACGGCGACTTTTATGCCTCTGGTATTGAGCCCGTCTTCAGCCCATTGAAGGCGAGA
TCTTACGACTCGTCCTGGAATTGGGCTCGTCAAGATGCGCTCACCATGTACTATGACATTATTT
TCGGTAGACTGCAGACTGTCGACCGTGAAATTGTCAGCCAGTGCATCCGCATCATGAACAAG
TCAAACCCCAAGCTCCTCGAGTTCATGCAGTACCACATCGATAACTGCCCCACTGAGCGCGGT
GAAACCTACCAGCTCGCCAAGGAACTTGGCCAGCAGCTCATTGAGAACTGCAAGGAAGTATT
GGAGCTGTCTCCTGTCTACAAGGACGTTGCCGTTCCTACAGGTCCTCGCACCACCGTGGATGC
GCGTGGTAACCTCAACTATGAGGAAGTTCCTCGCGCCAGCTGCAGAAAACTCGAGCACTACG
TTCAGCAGATGGCCGAGGGCGGAAAGATCTCCGAGTATGGCAACCGCACCAAGGTTCAGAAC
GACCTGCAGCGTATCTACAAGTTGATCAAGCAGCAACACAAGATGTCCAAGACCTCTCAGCT
CGAAATCAAGAGCTTGTACGGTGATGTTTTGCGCTCCCTGGCCATGAACGAGAGCCAGATTCT
CAAGGAGAACGGCAAGGGCCGAAAGCCGACCCTGAAGGGCACCAACCTGAACAAGGGCAG
GGTCGAGACCATTCCCTTCCTCCATCTCAAGAGAAAGACACTTCACGGCTGGGACTACAGCA
AGAAGCTCACTGCTGTCTACCTCAACTCTCTCGAGCAGGCTGCCAAGGACGGCGTCACGTTC
CAAGACAAGTATGTTTTGATGACTGGTGCTGGTGCCGGATCCATTGGTGCCGAGGTTCTGCAG
GGCCTCGTCAGCGGAGGTGCCAAGGTTGTGGTCACTACCAGTCGATTCTCCCGAGAGGTCAC
TGAGTACTATCAGTCCATGTACACCCGTTTTGGCTCTCGCGGATCTCAAATCGTTGTTGTCCCC
TTCAACCAGGGAAGCAAGCAGGACGTGGAAGCCCTCGTCAATTACATCTACGACGCTAAGAC
TGGTCTTGGCTGGGATCTCGACTACATCGTTCCTTTCGCTGCCATCCCTGAGAATGGCCGACA
GATTGATAGCATCGACTCCAAGTCTGAGCTGGCCCACCGTATTATGCTGACCAACTTGATCCGC
ATGCTTGGTTACGTCAAGGCTCAGAAGGCTGAGCGAGGCTTCGAAACTCGTCCCGCTCAAGT
TGTCCTTCCCCTTTCTCCCAACCACGGTACCTTTGGCAACGACGGTCTCTACTCCGAATCTAA
GCTGGCTCTTGAGACTCTCTTCAACCGATGGCACTCCGAAGACTGGGGCCACTACCTCACAAT
TTGCGGTGCTGTTATTGGATGGACTCGCGGTACTGGTCTCATGTCTGGCAACAACATTGTTGCC
GAGGGTGTTGAGGCGTTTGGTGTCCGAACTTTCTCTCAGCAAGAGATGGCTTTCAACCTCCTG
GGTCTGATGTCCGCTACCATTGTCGACCTCTGCCAGTCAGAGCCTGTCTTTGCCGACTTGAAT
GGTGGTTTGCAATTCATCCCCAACCTGAACGAGGCCATGACCAAGCTTCGCAAGGATATCATG
GAAACCAGTGAGATCCGTAGAATCGTTTCTAAGGAGAGCGCTATCGAGAACACTATTGTCAAC
GGAGCCGACTCTGAGGTTCTTTACAAGAAGAAGACCATCGAGCCTCGTGCCAACATCAAGTT
TGACTTCCCTCATCTTCCCGACTGGAAGACCGAGGTCGCCCCTCTTAATGACCAGCTCAAGGG
CATGGTCGACCTGGAGAAGGTAGTCGTTGTCACCGGTTTCGCAGAAGTCGGTCCTTGGGGTA
ACTCTCGAACCCGATGGGAGATGGAGGCTCATGGCGAATTCTCTCTCGAAGGCTGCATTGAA
ATGGCCTGGATTATGGGTCTCATCAAGAACCACAATGGTCCTCTCAAGGGCAAGCCTTACGCT
GGCTGGGTTGACGCTAAGACTGGTGAGCCCGTCGACGACAAGGACGTCAAGCAAAAGTACG
AGAAGTTCATTCTGGACCACGCCGGTATCCGTCTGATTGAGCCTGAGCTGTTTGATGGATATG
ACCCCAACAAGAAGCAGCTGCTTCACGAGGTTGTCATTGAAGAGGACCTTGAGCCATTCGAG
GCCTCCAAGGAGACTGCCGAAGAGTTCCGACGAGAACACGGTGACAAGGTGGAGATTTTCG
AGATCCCCGAGTCTGGAGAGTTCACTGTCCGAGTCAAGAAGGGCGCCTCGCTCTGGATCCCC
AAGGCTCTGCGCTTCGACAGACTCGTCGCTGGCCAGATCCCAACTGGCTGGGACCCCAAGCG
ATATGGTATCCCCGACGACATTGTCAGCCAAGTGGACCCTGTCACCTTGTTCCTTCTCGTGTCG
ACCGCTGAGGCTCTCCTGTCCTCTGGTATTACCGACCCATACGAGTTCTACAAGTACGTCCAC
GTCTCTGAAGTTGGTAACATTGTCGGCTCTGGTATGGGTGGTGCTACGGCCCTGCGTGGCATG
CACAAGGCCAGATTCCAAGACAAGCCTCTTCAGAACGATATCTTGCAGGAGTCCTTCATCAAC
ACTATGCCTGCTTGGGTGAACATGTTGCTGCTTTCTTCGTCTGGACCTATTAAGACCCCTGTCG
GAGCTTGTGCCACCGCTATTGAGTCTGTCGACATAGGTGTGGAGACCATTTTGGAAGGCAAG
GCTCGCATCTGTCTTGTCGGTGGTCTCGACGACTTTGGTGAGGAAGGCTCTTACGAGTTCGCC
AACATGAAGGCCACCAGCAACTCTGTGGATGAGTTTGCTCATGGCCGTACTCCTGGCGAAAT
GTCACGTCCTACGACTACTACCCGAAACGGCTTTATGGAGTCTCAGGGATGTGGTGTCCAGGT
CATCATGACAGCCAAGCTTGCCCTGGATATGGGAGTCCCTATTCACGGTATCCTTGCTTACACC
ACCACTGCCTCTGACAAGATTGGACGTTCCGTCCCTGCTCCTGGCAAGGGTGTTCTCACGTCT
GCGCGTGAGCACGCTGGCAAGTTCCCTTCGCCACTGCTTGACATCAACTACCGCCGCCGACA
GATTGAGCGCCGCAAGAAGACGATTAAGCAATGGGAAGAATCTGAGCTGGAGTTCTTGCACG
ATGAAATCGATGCTATGAAGTCTCAGGGCGGTGTCTTTGACGAGAAGGAGTATGCTCAGGATC

GCGTCGCACACATCCGGAGGGAGGCTGCGAGACAAGAAAAGGAGCTCCTCCGAAGCATGGG
CAACAATTTCTGGAAGAGCGATCCCTCCATTGCTCCCCTCCGTGGTGCTCTTGCAACATGGGG
TCTTACCATTGACGACCTGAAGGTTGCCTCTTTCCACGGTACATCCACCGGTGCCAACGACAA
GAACGAGTCCTCTGCCGTTTGCCAGCAGCTGCGTCACCTTGGCCGAAGCAAGGGTAACGCCG
TCCTGGGTGTCTTCCAGAAGTTCCTGACAGGTCATCCCAAGGGTGCTGCCGGTGCTTGGATGT
TGAACGGTGGTCTGCAAATCCTGAACACTGGTCTGGTTCCTGGTAACAGGAATGCCGACAAC
ATTGACCCATCATGGAGGACTACGATCTGATTGTTTACCCCAGCCGTAGCATCCAGACTGATG
GAGTCAAGGCTTTCTCTCTCACCTCGTTCGGTTTCGGACAGAAGGGAGCCCAGGCAGTCGGT
GTCCACCCCAGATACCTGTTTGCCGTTCTCGACGAAAAGACATACCAGGAGTACTGTGCCAA
GGTTGAGGCCCGACAGAAGAAGGCTTACCGATTCTTCCACAACGGCATGATCAGCAACACTC
TGTTCGTCCCCAAGGCTCACGCTCCTTACACCGATGAGCAGCTCAGCGAGGTTCTGATGAACC
CTGATGCTCGTGTCACCGAAGACAAGAAGACCAAGGAGCTCAAGTATGCCGATAACTTCATG
AAGGCGTCCGAAAAGATTGTCCCTGCTGTCACTGTCAAGGAGACACAGCAGATCATTGAGGC
GCTCGCCCACAAGGTGACAAGCAAGAGCAGCAACGTTGGCGTAGATGTTGAGGATATCTCTG
CCATCAACATTGAGAATGACACTTTTATCGAGCGCAACTTCACTAGCCAGGAGATTGCTTACT
GCAAGAGCTCTGCTAGCCCCCAGAGCTCATTCGCTGGCCGATGGAGCGCCAAGGAGGCAGTC
TTTAAGTCTCTTGGTGTCGCCAGCAAGGGAGCCGGCGCTGCCCTGAAGGATATTGAGATCCTC
AAGGATGACTCTGGCGCCCCTACTGTTACTCTTCATGGCGATGCGGCTGCTGCTGCTAAACAG
GCTGGCGTGAAGGAGGTTTCCGTCTCCATCTCGCATGCTGATAAGCAGGCTGTTGCCGTTGCT
GTTGCTCACTTTTAA

---

Appendix S4. *lcb2* coding sequences

>*Trichoderma*_sp._T214
ATGCCGCGACGGCTTGCAAATCCCTTCTCCTCCAGCCAGTCTGCCATGTCAGCGTCCGAAAAG
ACTGGCGAACGACGTCTCTCAACCTCAAAGACCAACCGACTGAGCCAGCTCTTCTCGTCCAG
CCCAAAGTCCAAGGACCAGGCCACCATGCATCAAAGCCAGATGAGCACCATCTCGCCGTCGA
CGGTGTCGCTACCCACCATTTCGCTGTCCACTGCGACTGGTGAGTCCAACACCGTCGAGCCG
ACCACAACGCTGTTCAAGCCTCAGTCGGCCGAGGAGGTGGAGCGACGGCAACGCGTCGAGG
CTCAATTTGGCCCGCTGCTTTCTCCTGAGCACTTGTACACCAGCCAGGCCGCGGGGAAGCCCT
TCGAGCGGCCGATTGAAGACGAGCCTCCGTACTACTATCTCTTGACCACCTACCTGAGCTACT
TGGCGCTCATTCTGTTTGGCCACGTTCGTGATTTCTTTGGCAAGCGGTTCGGCGACCGCAAGC
GCTATCTGCCTCTCAAGGTTCACAATGGATTCGCTCCCCTCAATGATGATTTCGACAGCTTCTA
CACCCGACGCCTCAAGACGCGTCTGGACGACTGCTTTGCCCGCACCACTGTCGGCGTCCCCG
GCCGCTTCATCACCCTCAAGGACCGCAAGTCGGACGACTACAACTACACCTACCGCTACACT
GGCACCTACACTGAGACGCTAAACATGAGTTCCTACAACTATCTCGGTTTTGCTCAGTCTGAG
GGTCCCTGTGCCGATGCCGTCGAGGAATGCGTCAAGAAGTACGGAGCTACCTTTGCCAGCCC
CCGAGCTGACAGCGGCACTTCTGATTTGGCTCTCGAAGTTGAGCGGGAAATTGCGTCCTTTGT
TGGAAAGCCCGACGCCATGGTCTTCTCCATGGGCTACGTTACCAACTCCAGCACGTTCCCTGC
ACTTGTGTCCAAGGGGTTGCCTGATCATCTCCGACGAACTGAACCATGCCTCTATCCGAATCGG
TGCTCGTCTTTCTGGTGCTGTCATTCAGTCGTTCAAGCACAACGACATGGGCGACCTCGAGCG
TGTTCTTCGTGAAGCCATTTCCCAGGGCCAGCCAAGGACTCACCGCCCCTGGAAGAAGATTC
TCTTGGTCGTCGAAGGTCTCTACTCGATGGAAGGTACCATGGTCAACCTGCCCGGAATCCTGG
AACTGAAGCGCAAGTACAAGTTTTACCTGTTCATCGACGAGGCTCACTCCATCGGTGCCCTGG
GACCCCACGGCCGTGGCGTTTGCGATTACTATGGCGTTGACACCTCGGAAGTCGACATCCTCA
TGGGCACTCTGACCAAGTCTTTCGGCGCCAACGGAGGCTACATTGCTGCGGAGAAGCACATC
ATTGACAAGCTCCGCAGCACCAACGCCTCCACCATCTTTGGCGAGGCCCCTGCCCCCTCGGTT
CTCATGCAGATTCTTGCCTCCCTCAAGCTGATCAACGGAGATATTTGCCCCGGCCAGGGCGAG
GAGCGCCTGAAGCGCATTGCCTTCAACTCTCGCTATCTCCGTCTCGGACTCAAGCGTCTCGGC
ATGATTGTCACTGGTCACGACGACTCACCCATCATCCCCGTCCTGCTTTACAACCCCGGAAAG
ATGCCTGCCTTCAGTCGCCAGATGCTTGCCCGCAAAATCTCCGTCGTCGTCGTCGGTTATCCTG
CCACTCCGCTCATCAGCTCGCGTGCTCGCTTCTGCGTCTCTGCTGCCCACAACAAGGATGACC
TCGACCGAATGCTTATTGCCTGTGACGAGGTTGCCGACCTTCTCCAGCTCAAGTACTCCACTG
GAATTGCCGGCGGTTTGGACCCTCTGCCCGAGGGCGTCGCACCAGAAGACGAGGCTGAGTG
GAGAAAGAACACTGGCACTCCCATCAAGGCCCCCCGATGGAAGGTTGAGGACGTCATTCGAC
GAGGTGTCGTTGACTGCAAGCTCCCTCTCCGGTGA

>*Trichoderma*_sp._T065
ATGCCGCGACGGCTCGCAAACCCCTTCTCCTCTACCCAGTCTGCTATGTCAGCATCCGAGAAG
ACTGGTGAAAGACGTCTCTCGTCCTCCAAGACCAACCGACTGAGCCAGCTCTTCTCCTCCAG

CCCAAAGTCCAAGGACCAGTCACCACTCGCCGCCATGCCGCAGAGCCAGATGAACACCATCT
CGCCGTCGACGGTGTCGCTGCCCACCATTTCGCTGTCGACGGCGACTGGCGAGCCCAACAGC
ATCGAGCCAACCAAGATGCTGTTCAAGCCGCAATCGGCCGAGGAGCAAGAGCAGCGACGAC
TCGCCGAGTCTCAATTTGGCCCCCTGCTTGATCCGGCCCACCGCTATGTCAGCCAGTCCAATG
GCGAGGAGTTCAAGGAGCCGATTGAGGATATGCCTCCGTACTTCTATCTCCTGACCACCTACC
TGAGCTATCTCTTCTTGATCATGATGGGCCATTGTCGCGATTACTTTGGCAAGCGCTTCGGAGA
TAAAAAGCGCTACGACCCCCTCAAAGTGCGAAACGGGTTCGCCCCTCTCACTGATGATTTCG
ACAGCTTCTACACTCGTCGGCTGAAGGGTCGTTTGGATGACTGCTTTGCTCGCCCTACTTTCG
GCGTTCCCGGTCGCTACATTACTCTCAAGGAACGTACGGCAGACAGGCTTAACCGCAACTACC
ACTACACTGGAAACCACGTCGAGACACTCAATGTGAGCTCCTACAACTACCTCGGCTTTGCTC
AATCGCAGGGCCCCTGTGCCGATGCTGTCGATGAATGTGTCAAGAAGTACGGTGTTACCGCTG
CAAGCCCGCGTGGCGATAGCGGCACTTCCGACCTGGCCCTCGAAGTTGAACGCGAAGTTGCA
ACCTTTGTCGGAAAGCCAGAGGCCATGGTCTTCTCTATGGGTTACGTTACCAACTCCAGTACC
TTCCCCGCTCTCGTGTCAAAGGGCTGCCTGATTGTCTCTGACGAACTGAACCATGCCTCCATT
CGTGTCGGTGCTCGTCTCAGTGGCGCTGTTATCCAGTCTTTCAAGCACAACGACGTGGCCGCC
CTGGAGCGCGTTCTTCGTGAAGCCATCTCCCAGGGCCAGCCAAGGACTCACCGCCCCTGGAA
GAAGATTCTCGTCGTTGTTGAAGGTCTCTATTCTATGGAAGGCACTATGGTTAATCTGCCGGCA
ATTGTGGCTCTCAAGCGCAAGTACAAGTTCTACCTGTACGTTGACGAGGCTCACTCCATTGGT
GCCCTGGGACCCCGTGGCCGTGGTGTCTGTGATTACTTTGGTATTGATCCCTCCGAGGTTGAC
ATCCTCATGGGCACCCTGACCAAGTCCTTTGGCGCCAACGGAGGCTACATTGCGGCAGAGAA
GCACATCATTGACAAGCTCCGTGCCACCAACGTCTGCTCAATCTATGGCGAAGCCCCTTCTCC
TTTTGTCCTCATGCAGATTCTTACCTCGATCAAGCTGATTAACGGCGATATTTCCCCTGGCCAG
GGCGAGGAGCGTCTCCAGCGAATTGCCTTCAACTCTCGCTATCTTCGCCTTGGACTTAAGCGT
CTTGGCCTCATCGTTGCTGGCTCTGATGATTCTCCCATTATCCCCGTTCTGCTGTACAACCCTG
GAAAGATGCCTGCCTTTAGCCGCGAAATGCTCAAGCGCAACATCTCTGTTGTCGTCGTTGGTT
ACCCGGCTACCCCGCTCATCAGCTCGCGTGCCCGTTTCTGCATCTCTGCCGCTCACAACAAGG
ATGACCTTGACCGCATGATCAGAGCTTGCGACGAGGTCGGCGAATTGCTTCAGCTCAAGTTCT
CTTCAGGCATTGCTGGCGGCTTGGAGCCGCTGCCTGCTGGTGTAGCACCAGAAAACGAGGCT
GAGTGGAGGAGGGCCAACAATGTCGCCATCAAGCCTCCTCGATGGGATGTTGAAGAGGTCAT
TCGACGAGGTGCCATCGATTGCAAGCTTCCTCTGCGATAA

Appendix S5. *tef1* resulting coding sequences retrieved from the genome

>*Trichoderma*_sp._T214
ATGGGTAAGGAGGACAAGACTCACATCAACGTGGTCGTTATCACCGGTCACTTGATCTACCAG
TGCGGTGGTATCGACCGTCGTACCATCGAGAAGTTCGAGAAGGAAGCCGCCGAACTCGGCAA
GGGTTCCTTCAAGTACGCTTGGGTTCTTGACAAGCTCAAGGCCGAGCGTGAGCGTGGTATCA
CCATCGACATTGCTCTGTGGAAGTTCGAGACTCCCAAGTACTATGTCACCGTCATTGACGCTC
CCGGCCACCGTGATTTCATCAAGAACATGATCACTGGTACTTCCCAGGCCGATTGCGCTATCCT
CATCATTGCCGCCGGTACTGGTGAGTTCGAGGCTGGTATCTCCAAGGATGGCCAGACCCGTGA
GCACGCTCTGCTCGCCTACACCCTGGGTGTCAAGCAGCTCATTGTTGCCATCAACAAGATGGA
CACTGCCAACTGGGCCGAGGCTCGTTACCAGGAAATCATCAAGGAGACTTCCAACTTCATCA
AGAAGGTCGGCTTCAACCCCAAGGCTGTTGCTTTCGTCCCCATCTCCGGCTTCAACGGTGAC
AACATGCTCCAGCCCTCCACCAACTGCCCCTGGTACAAGGGCTGGGAGAAGGAGACCAAGG
CTGGCAAGTTCACCGGCAAGACCCTCCTTGAGGCTATCGACTCCATCGAGCCCCCCAAGCGT
CCCACGGACAAGCCCCTCCGTCTTCCCCTCCAGGATGTCTACAAGATCGGTGGTATTGGAACA
GTTCCCGTCGGCCGTATCGAGACTGGTATCCTCAAGCCCGGTATGGTCGTCACCTTCGCTCCCT
CCAACGTCACCACTGAAGTCAAGTCCGTCGAGATGCACCACGAGCAGCTCGTCGAGGGTGTT
CCCGGTGACAACGTTGGTTTCAACGTCAAGAACGTTTCCGTTAAGGAAATTCGCCGTGGTAA
CGTTGCCGGTGACTCCAAGAACGACCCCCCCATGGGTGCCGCTTCTTTCACCGCTCAGGTCAT
CGTCATGAACCACCCTGGCCAGGTCGGTGCCGGCTACGCCCCCGTTCTTGACTGCCACACTG
CCCACATTGCCTGCAAGTTCGCCGAGCTCCAGGAGAAGATCGACCGCCGTACCGGTAAGGCT
ACCGAGACTGCCCCCAAGTTCATCAAGTCCGGTGACTCTGCCATCGTCAAGATGATTCCCTCC
AAGCCCATGTGCGTTGAGGCTTTCACCGACTACCCTCCCCTGGGTCGTTTCGCCGTCCGTGAC
ATGCGACAGACCGTCGCTGTCGGTGTCATCAAGGCTGTCGACAAGTCCGCCGCCACCGCTGG
CAAGGTCACCAAGTCCGCTGCCAAGGCCACCAAGAAATAA
>*Trichoderma*_sp._T065
ATGGGTAAGGAGGAGAAGACTCACATCAACGTCGTCGTCATCACTGGTCACTTGATCTACCAG
TGCGGTGGTATTGACAAGCGTACCATCGAGAAGTTCGAGAAGGAAGCCGCCGAACTCGGCAA

GGGTTCTTTCAAGTATGCGTGGGTTCTTGACAAGCTCAAGGCCGAGCGTGAGCGTGGTATCAC
CATCGACATTGCCCTCTGGAAGTTCGAGACTCCCAAGTACTATGTCACCGTCATTGACGCTCC
CGGCCACCGTGATTTCATCAAGAACATGATCACTGGTACCTCCCAGGCTGACTGCGCTATCCT
GATTATCGCTGCCGGTACTGGTGAGTTCGAGGCTGGTATCTCCAAGGATGGCCAGACCCGTGA
GCACGCTCTTCTCGCCTACACCCTGGGTGTCAAGCAGCTCATCGTTGCCATCAACAAGATGGA
CACTGCCAACTGGGCTGAGGCTCGTTACCTTGAGATCATCAAGGAGACCTCCAACTTCATCAA
GAAGGTCGGCTTCAACCCCAAGACCGTTGCCTTCGTCCCCATCTCCGGCTTCAACGGTGACA
ACATGTTGGCCGCCTCCACCAACTGCCCCTGGTACAAGGGCTGGGAGAAGGAGACCAAGGC
TGGCAAGTCCACCGGCAAGACCCTTCTCGAGGCCATTGACGCCATTGAGCCCCCCAAGCGTC
CCACAGACAAGCCCCTTCGTCTGCCCCTTCAGGATGTTTACAAGATCGGTGGTATCGGAACAG
TCCCTGTCGGCCGTATCGAGACTGGTGTCCTCAAGCCCGGTATGGTCGTTACCTTCGCTCCCTC
CAACGTCACCACTGAAGTCAAGTCCGTTGAGATGCACCACGAGCAGCTCGTTGAGGGTGTCC
CCGGTGACAACGTTGGTTTCAACGTCAAGAACGTCTCCGTCAAGGATATCCGCCGTGGTAAC
GTTGCCGGTGACTCCAAGAACGACCCCCCCATGGGTGCCGCTTCTTTCAACGCCCAGGTCATC
GTCATGAACCACCCTGGCCAGGTCGGTGCCGGATACGCTCCCGTCCTCGATTGCCACACCGCC
CACATTGCCTGCAAGTTCTCTGAGCTCCTCGAGAAGATCGACCGCCGTACCGGTAAGGCTACT
GAGGCCTCCCCCAAGTTCATCAAGTCTGGTGACTCCGCCATCGTCAAGATGGTTCCCTCCAAG
CCCATGTGCGTTGAGGCCTTCACCGACTACCCTCCCCTGGGTCGTTTCGCCGTCCGTGACATG
CGCCAGACCGTCGCCGTCGGTGTCATCAAGTCCGTCGAGAAGTCCACTGGTGCTACCGGCAA
GGTCACCAAGTCCGCCGCCAAGGCCGCCAAGAAATAA

Appendix S6. *rpb2* resulting coding sequences retrieved from the genome

>*Trichoderma*_sp._T214
ATGGCTGACTACGAGGACGAATACGACTACGAGAACTACGGAGACGAGGATGAAGGCATCAC
TCCCGAGGATTGCTGGACTGTCATCTCCTCCTTCTTCGAAACCAAGGGTCTCGTATCGCAGCA
GACCGACTCTTTTGACGAATTCACCCAGACGACGATCCAGGACCTCGTAAACGAATACTCCAC
CATCACACTCGACCAGCCAAACCCTCCTTCGCCACCCGGCCGAACAATAGCCCTTCGTCGATA
TGAGATCAAGTTTGGAAGCGTCATGGTGTCACGTCCCACTATCAGTGAGACGGACGGCACTG
TGACTTCTCTGCTCCCTTACGAGTGCCGAGACCGTAACTTGACCTACGCCAGTCCCCTCTATAT
CAAGATCACTAAAAAGGTGTCGGCTGCTGTTGAGAGGGAGGTTCCCCTGCACGAAATGGACG
ATGCTCAGCAGGAGGAATACGCAAGAACCGGCGAACACCCTACAAAGCTCGAGTGGGAAGA
GGAGGAGAACGGCGAAGATGACAACATCGGCAAGTCTGATGACTGGAAGGACATGGTCTTC
GTTGGCAAGCTGCCCATCATGGTCAAATCCAAGATTTGTCATCTGAGCCGTGAACAGGATGAT
AGCCTGTTCCTTGTCAACGAATGTCCCTACGATCAGGGTGGCTACTTTGTTATCAACGGCAGT
GAAAAGGTCCTCATCGCCCAAGAGAGATCCGCCGCCAACATTGTCCAAGTCTTCAAGAAGGC
CCAGCCCAGTGCCTATACCTATACGGCTGAAATCCGAAGTGCGCTGGAAAAGGGCTCACGGC
TCATCTCTAGCATGATGCTCAAGCTGTATGGCAAGGGAGACTCTGCTCGTGGTGGCTTTGGCC
AGACTATCCACACCACCCTGCCCTTTGTCAAGTCAGATCTTCCCGTCGCCATTGTCTTCCGTGC
CCTGGGTGTCGTTTCTGATGAAGATATCCTCAACCACATTTGCTACGACCGCAACGACAGCCA
GATGCTGGAGATGCTTCGACCTTGTATTGAGGAGGCCTTCTGTGTCCAGGACCGAGAGGTTGC
TCTGGATTTCATCGGAAAGCGTGGAAACCGAGACCAAGCTGGTCTCGGACGCGAGAAGCGT
GTCCGCGTGGCTAAGGATATCCTTCAGAAGGAGACTCTTCCCCACATTTCACAGACAGAGGG
AAGTGAAACCAGAAAGGCATTTTTCTTGGGATACATGGTGCACAAGCTGTTGCAATGTGCGCT
CGGAAGAAGAGAGCCCGACGATCGTGACCACTTTGGAAAGAAGCGTCTGGATCTGGCGGGT
CCCCTGCTGGCAAAGCTGTTCCGTGGTATCATGCGAAGGATGAACACTGAGTTGGCCAACTAT
CTGAGACGATGCGTCGAGGGCAACCGACACTTCAACCTTGCTGTGGGTATCAAGCCCGGCAC
GCTTTCAAACGGATTGAAGTATTCGCTTGCCACAGGAAACTGGGGTGATCAGAAGAAGGCCA
TGAGCTCAACTGCAGGTGTGTCCCAGGTGCTTAACCGTTACACGTTTGCTTCGACCCTATCAC
ATTTGCGTCGTACCAATACTCCTATCGGAAGAGATGGTAAGCTCGCAAAGCCTCGACAGCTTC
ACAACACGCACTGGGGTTTGGTCTGCCCGGCCGAGACACCCGAGGGACAGGCTTGTGGTCT
GGTCAAGAACTTGTCTTTGATGTGTTACGTCAGTGTCGGTTCTCCCTCCGAACCTCTGATTGA
GTTCATGATCAACAGAGGTATGGAAGTCGTGGAAGAGTACGAGCCGCTGCGGTATCCTCATGC
TACAAAGATTTTTGTGAACGGTGTCTGGGTTGGAGTCCACCAAGACCCTAAGCACTTGGTGA
ACCAGGTCCTGGACACTCGTCGCAAGTCCTATCTGCAATACGAAGTCTCTCTCGTGAGAGAA
ATTCGAGACCAGGAATTCAAAATCTTTTCCGACGCAGGCCGTGTAATGCGGCCAGTCTTTACC
GTTCAGCAGGAAGATGATCCGGAAACGGGCATCAACAAGGGCCACCTGGTATTGACCAAGGA
GCTCGTCAATAGATTGGCCAAGGAGCAGGCTGAACCTCCGGAAGACCCCAGCATGAAGATTG
GATGGGAGGGATTGATTAGGGCTGGTGCGGTTGAATATCTCGACGCCGAGGAAGAGGAGACG
TCCATGATCTGCATGACGCCAGAGGATCTCGAGCTGTATCGTCTTCAGAAGGCTGGTATTAAC

ACTGAGGAAGACATGGGAGATGACCCGAACAAGCGACTAAAGACCAAGACAAACCCGACTA
CTCACATGTACACCCATTGCGAGATTCACCCAAGTATGATCTTAGGCATCTGTGCTAGTATCATT
CCTTTCCCCGATCACAACCAGTCCCCCCGTAACACTTACCAATCTGCCATGGGTAAGCAAGCT
ATGGGTTTCTTCCTCACAAACTATTCCCGGCGCATGGACACCATGGCCAACATTCTCTACTACC
CCCAGAAGCCGCTGGGTACCACTCGATCCATGGAGTTTTTGAAGTTCCGAGAGTTGCCTGCTG
GTCAGAACGCCATTGTAGCCATTGCCTGTTACTCTGGTTACAACCAGGAAGATTCCGTCATTAT
GAACCAGAGTAGTATTGACAGAGGTCTTTTCCGAAGTCTCTTCTTCCGATCATACTCGGATCA
GGAGAAGAAGGTTGGATTGAACTACACCGAAGTGTTTGAGAAGCCATTCCACCAAAACACTC
TTCGCATGAAGCACGGCACATACGACAAGCTGGATGAAGACGGTATCGTTGCTCCTGGTGTCC
GAGTATCTGGTGAAGATATCATTATTGGCAAGACGGCGCCGATTGACGCTGAGACACAAGATC
TCGGTACCAGGACGACTATGCACCAGAGGCGAGATATCTCAACTCCTCTGCGTAGCACTGAGA
ACGGTATCGTTGACTCTGTCATTGTGACAGTGAACGCGGACAATGTCAAGTATGTCAAGGTCC
GTGTCCGAACGACCAAGATTCCTCAGATTGGAGACAAGTTCGCCTCTCGTCACGGTCAAAAG
GGCACTATTGGTGTTACTTACCGACAAGAGGACATGCCCTTCACAAGAGAAGGTGTCACTCC
AGACATCATCATCAACCCTCACGCCATTCCATCCCGTATGACAATCGCTCACTTGATTGAGTGT
CTCCTAAGTAAGGTCTCTACGCTGGAAGGTATGGAGGGTGATGCCACCCCCTTCACGGATGTC
ACCGTCGACTCGGTCTCAGAGCTGTTGCGAAAGCACGGCTACCAGTCACGAGGCTTTGAGAT
TATGTACAATGGCCACACAGGCCGCAAGCTGAGAGCCCAGGTGTTCTTTGGACCAACATACTA
CCAGCGACTCCGTCACATGGTGGACGACAAGATCCACGCTCGTGCCCGTGGTCCCGTGCAGA
TTATGACAAGACAACCCGTGGAGGGTCGTGCCAGAGATGGTGGTCTCCGATTCGGAGAAATG
GAACGTGATTGTATGATTGCTCACGGTGCCGCGTCCTTCCTCAAGGAGCGATTGTTTGAGGTG
TCAGACGCCTTCCGAGTTCACATTTGCGAGATTTGTGGACTCATGACGCCTATTGCCAACCTC
TCTAAACAATCGTTCGAGTGTCGACCTTGTAAGAACAAGACCAAGATTGCACAGATTCACATC
CCTTATGCCGCCAAGCTCCTGTTCCAGGAACTCCAGTCGATGAACATTGCGGCTCGCATGTTC
ACAAACCGGTCTGGCGCGTCCATCAGGTAA
>*Trichoderma*_sp._T065
ATGGCTGATTACGAAGACGATTACGACTATGAGAACTATGGGGATGAAGATGAGGGCATCACG
CCCGAGGATTGCTGGACTGTGATTTCCTCCTTCTTCGAAACCAAGGGTCTTGTATCGCAGCAG
ACCGACTCCTTTGACGAATTCACGCAGACGACAATCCAGGATCTCGTCAACGAATATTCCACC
ATCACACTCGATCAGCCCAATCCTCCTTCGCCACCTGGTCGAACGATAGCCCTTCGCCGATATG
AAATCAAATTTGGAAGTGTCATGGTATCACGTCCCACTATCAGTGAGACGGATGGAACTGTGA
CATCTCTGCTCCCTTACGAATGCCGAGACCGTAACTTGACTTACGCCAGTCCGCTTTACATCAA
GATCACCAAGAAGGTGTCTGCGGCCGTCGAGAGGGAGGTTCCGCTGCACGAGATGGACGAT
GCCCAACAAGAACAGTATGCAAGGACCGGAGAAAACCCCACAAAGCTGGAATGGGAGGAG
GAAGAAAATGGCGAAGACGACAATCTGGGCAAGTCTGATGACTGGAAGGACATGGTTTTCGT
TGGCAAGCTGCCCATCATGGTCAAATCCAAGATTTGTCATCTGAGCCGTGAACAGGATGACAG
CCTGTTCCTCGTCAACGAGTGCCCTTACGACCAAGGAGGCTACTTTGTTATCAACGGTAGTGA
AAAGGTCCTCATCGCCCAAGAGCGTTCCGCCGCAAACATTGTCCAGGTCTTCAAGAAGGCCC
AGCCCAGTGCCTATACCTACACTGCTGAAATCCGAAGTGCGCTGGAAAAGGGATCTCGACTC
ATCTCCAGCATGATGCTCAAGTTGTATGGCAAAGGAGACTCTGCGCGAGGTGGTTTTGGACA
AACTATTCACACAACCCTGCCTTTTGTCAAGTCAGATCTTCCCGTTGCCATCGTTTTCCGTGCC
TTGGGCGTCGTTTCTGATGAGGATATTCTGAATCACATTTGCTACGACCGAAACGACAGCCAA
ATGCTCGAAATGCTCCGGCCTTGCATTGAAGAAGCCTTTTGTGTCCAGGACCGAGAAGTTGCT
CTTGATTTCATCGGAAAGCGAGGCAATCGTGATCAGGCCGGCCTCGGTCGTGAGAAGCGTGT
TCGTGTAGCAAAGGACATTCTTCAGAAGGAGACGCTTCCCCACATTTCCCAGACTGAAGGCA
GCGAGACCAGAAAGGCATTCTTCCTTGGATACATGGTGCACAAGCTGTTGCAATGCGCACTC
GGAAGACGAGAGCCCGACGACCGAGATCACTTTGGAAAGAAGCGTCTGGATTTGGCGGGTC
CACTGCTGGCCAAGCTGTTCCGTGGTATCATGCGCAGAATGAATACTGAGCTGGCCAACTACC
TGAGACGATGCGTTGAGGGTAACCGCCATTTCAACCTTGCTGTTGGCATCAAGCCCGGCACA
CTTTCCAACGGACTCAAGTACTCACTCGCCACCGGAAACTGGGGTGACCAGAAGAAGGCAAT
GAGCTCGACTGCAGGTGTCTCACAGGTGCTTAACCGCTATACTTTTGCTTCTACACTATCTCAT
TTGCGTCGTACCAATACACCCATCGGAAGAGATGGTAAGCTGGCGAAGCCCCGACAGCTTCA
CAACACACTGGGGTTTGGTGTGCCCGGCCGAGACCCCTGAAGGACAGGCTTGTGGTCTGG
TCAAGAATTTGTCTCTGATGTGTTACGTCAGTGTTGGATCTCCTTCTGAGCCTCTGATCGAGTT
TATGATCAACAGAGGCATGGAAGTCGTTGAGGAGTATGAGCCACTGAGGTATCCCCATGCCAC
AAAGATCTTTGTGAATGGTGTCTGGGTTGGAATTCATCAAGACCCAAAGCATCTGGTAAACCA
AGTCTTGGATACTCGTCGCAAGTCCTATCTGCAGTACGAGGTCTCTCTGATCAGAGAAATTCG
AGACCAAGAATTCAAAATCTTCTCTGATGCCGGTCGTGTTATGCGACCCGTCTTCACTGTACA
GCAGGAAGATGACCCGGAAACGGGTATCAACAAGGGCCACCTGGTTTTGACTAAGGACCTCG
TCAATAGACTGGCCAAAGAGCAGGCTGAGCCTCCAGAAGACCCAAGCATGAAGCTCGGATG

GGAGGGGCTGATCAGGGCTGGTGCGGTGGAATATCTCGACGCCGAGGAGGAAGAAACGTCC
ATGATTTGCATGACACCGGAAGATCTTGAGCTTTATCGTCTTCAAAAGGCCGGCATTGCCACG
GATGAAGACATAGGAGATGACCCAAATAAGCGTCTCAAGACCAAGACAAATCCGACAACTCA
CATGTATACGCATTGCGAGATTCACCCGAGTATGATTCTAGGTATCTGTGCTAGTATCATTCCTT
TCCCCGATCACAACCAGTCCCCCCGTAACACCTATCAATCCGCCATGGGTAAACAAGCCATGG
GCTTCTTCTTAACCAACTATTCTCGGCGTATGGACACCATGGCAAATATCCTTTACTACCCTCA
GAAACCGCTTGGCACCACTCGCTCTATGGAGTTTTTGAAATTCCGTGAGCTGCCAGCCGGAC
AAAACGCCATTGTAGCAATTGCTTGTTACTCTGGTTACAACCAAGAAGATTCAGTCATTATGA
ACCAGAGCAGTATTGACAGAGGTCTCTTCCGAAGTCTTTTCTTCCGATCATATTCAGATCAAG
AGAAAAAGGTTGGCTTGAACTACACGGAAGTGTTTGAGAAGCCATTCCACCAAAACACTCTT
CGTATGAAGCACGGCACATATGACAAGCTGGACGAAGATGGTATTGTTGCTCCTGGTGTCCGT
GTGTCAGGTGAGGATATCATCATCGGCAAGACGGCACCAATCGACGCCGAGACGCAGGATCT
TGGAACCAGGACGACCATGCACCAAAGACGCGATATTTCGACGCCTTTGCGAAGTACCGAGA
ACGGCATCGTCGACCAAGTTATTGTGACGGTGAACGCGGATAATGTTAAATATGTCAAGGTCC
GTGTTCGAACGACCAAGATTCCCCAGATTGGAGACAAGTTTGCCTCTCGCCACGGTCAAAAA
GGCACTATTGGTGTTACTTACCGACAAGAGGATATGCCTTTCTCAAGAGAAGGTCTCACTCCA
GATATTATTATCAACCCGCACGCCATTCCGTCTCGTATGACAATTGCTCACTTGATCGAGTGTCT
CCTAAGTAAAGTCTCTACGTTGGAAGGTATGGAGGGTGATGCTACTCCCTTTACGGATGTCAC
CGTCGACTCCGTCTCAGAGCTCTTGCGAAAGCACGGCTACCAGTCTCGAGGCTTCGAGATTAT
GTACAACGGCCATACTGGACGCAAGCTCAGGGCACAAGTATTCTTTGGACCAACATACTACCA
GCGACTCCGCCACATGGTGGATGACAAGATCCATGCCAGAGCTCGTGGTCCTGTGCAGATCAT
GACTCGGCAGCCAGTGGAGGGTCGTGCTCGAGATGGTGGTCTCCGGTTCGGAGAGATGGAAC
GTGATTGTATGATTGCACACGGTGCAGCGTCCTTCCTCAAGGAGCGACTCTTTGAGGTATCGG
ACGCCTTCCGAGTTCACATTTGCGAGATTTGTGGACTCATGACGCCCATTGCTAACTTATCCAA
ACAATCGTTCGAGTGTCGACCATGCAAGAACAAGACCAAAATTGCACAGATTCACATTCCTTA
CGCTGCCAAGCTCTTGTTCCAGGAGCTCCAGTCAATGAACATTGCAGCTAGAATGTACACCAA
TCGGTCTGGTGCATCTGTTCGGTAG