Table S1 Peroxidase transcripts found in the organic layers of the beech forest (Site 9)

Location	Transcript	Accession No. (Similarty)	Description	Source
L, F, H layer	CAGGTTAGGGTCGACATGATCAGCACGTGCGACACTGTGAGAAGCCAGGAGGGCTACGACCTCGTT GGCGCTGAAGCCACCGGCATCGGCAAATCGGTTGAGAATGGTGGTGACGCTGTCCGATGGCAAAGG GACGAGACCATCAGGTGAGATAGCCTTGGCAGCTGGGCGACCTGCGAGGAGTTCCAGTTGGGGGGC TCCCGGGCACTGAGTTAAACCAGCCGCTCCGGCGAATTGGACGAGATCGCCAGCAGAGACGTTGTGG TTAGCCAAGAAGGGAGTGAGGAAATCGATGGAGTCTGAGATTCCATTGTTGGCTGAGAAGTTGGCTT CAGCGGGGAAGGTCAAGACGGAACCGTC	AVI23960 (72%)	manganese peroxidase partial	Uncultured fungus (beech forest)
L layer (2 sample)	CGGCTGACGTTCCACGATGCGATTCCATACTCCCACAAGTTATGGTCTCAAGGAAAGTTCGGCGGCG GCGGAGCTGACGGCTCCATCATTCAACATTCCGACGTCGAAACCACATACATCGCTAACAAGGGCCT TGTCCCCGTCATAAACCAACAACGCGCCTTTGCAATCTCGCACAAAGTTTCTTTCGCCGACATGGTTC AATTCGCCGGAGCCATCGGTCTATCCAACTGCCCCGGTGCTCCGCGCCTCGAATTCCTCTCCGGCCG GCACAACACCTCTCTCGGCGCGGCACCCGACGGCCTGATCCCCGGTCCCGCCGACAACGTCACGACC ACAATCGCACGGTTCGCCGATGCTGGTTTCTCCGCTTCCGAGATGGTCGACCTTCTCGCGAGCCATTC CGTCGCGGCCCAGCACGCGCTGGATCCAAGCATCGTTGGCACCCCGTTCGACTCCAC	KDQ28248 (63%)	manganese peroxidase 1	*Pluteus cervinus*
L layer	CGGCTCACGTTCCACGACGCGATCGGCTTCTCTCCCGCTCTCATCAGGAAGGGCAAGTTCGGAGGAG GGGGTGCTGACGGTTCCGTCTTGACCTTCCCCGCTGAAGCCAACTTCTCAGCCAACAATGGAATCTC AGACTCCATCGATTTCCTCACTCCCTTCTTGGCYAACCACAACGTCTCTGCTGGCGATCTCGTCCAAT TCGCCGGAGCGGCTGGTTTAACTCAGTGCCCGGGAGCCCCCCAACTGGAATTCCTCGCAGGTCGCCC AGCTGCCAAGGCCATCTCACCTGATGGTCTCGTCCCTTTGCCATCGGACAGCGTCACCACCATTCTCA ACCGATTTGCCGATGCCGGTGGCTTCAGCGCCAACGAGGTCGTAGCCCTCCTGGCTTCTCACAGTGT CGCACGTGCTGATCATGTCGACCCTAACCTGTCTGCCGCCCCCTTCGACTCCAC	AY06829 (73%)	manganese peroxidase partial	Uncultured fungus (beech forest)
L layer	GTGGAGTCGAAGGGGGTGCCCGGGACGCTTGGGTCCACAAGATCGGCTGCAGCGATCGTGTGGGCG ATGAGGAGCCAGGTGCTAAGCTGATCGTCGAAGTTGGGGTCGGCATCGTTGAGACGGGCAAGAATA TCCTCGACTTGGTGGAACGGCTCGGGCACGAGGCCATCGGGAGCGGGTGTAGTAGCAGGAGGACGA CCAAGCAAGAACTGGAGCTGAGGAGAACCAGGGCAGTTACTCACTGCGACGGCGCCGGCGAATTGA ATGAAGTCACCAGGAGTCATGCTGTGCTTCTGGACGAACGGCTTCTGGAGGTTGACGATCTCATCGG TACCAAGGTTGGGGTGGAAGTTGGTCTCGAGGGTGTCGAAAATCATGATGGAGCCATCGGCACCACC GCCACCAAACTTGCCGGTAGCCGCGAGCTTAGGCGAGAAGGCAATCGCATCATGGAACGTGAGCCG	ABT17198 (70%)	lignin peroxidase isoform B partial	*Phanerochaete chrysosporium*
F layer (2 sample)	GTGGAGTCGAACGGGGCGGCATTGATGGTGGGATCAACCTTAGAGGCACGCCCAATACTATGCGCA GCCAGGAGGGCGACAACCTCGACGGGCGAGAGCCCACCGGCGTCGGCAAACCGCTCAAGGATAGCG GTGACGCTGTCTTCCGGCTGAGGAATCAAGCCGTCGATGGCGGGAGCAGTTGCATTGGGGCGACCCG CAAAGAACTGCAGACGTGGTGCACCAGGGCAATTACTGAGTGCTACAGCAGCTGCATACTGGACGA GGTCACCGGCGGAGATAGTTGGGAACAGGGAGAGGAACGGAAGTAGGTTATTGACGCTGTCGCCGA TACCATTGTTGGCAACATAAGACGCTTCAACGGTGGGGAAGGCGAGCACAGAACCGTCGGCGCCGC CGCCAGCTGAGGGTCCTTGGCTCCTAGAGATGGCAATCGCGTCGTGGAACGTCAGCCGAATCAC	BAP05605 (77%)	manganese peroxidase 2	*Phlebia* sp MG60