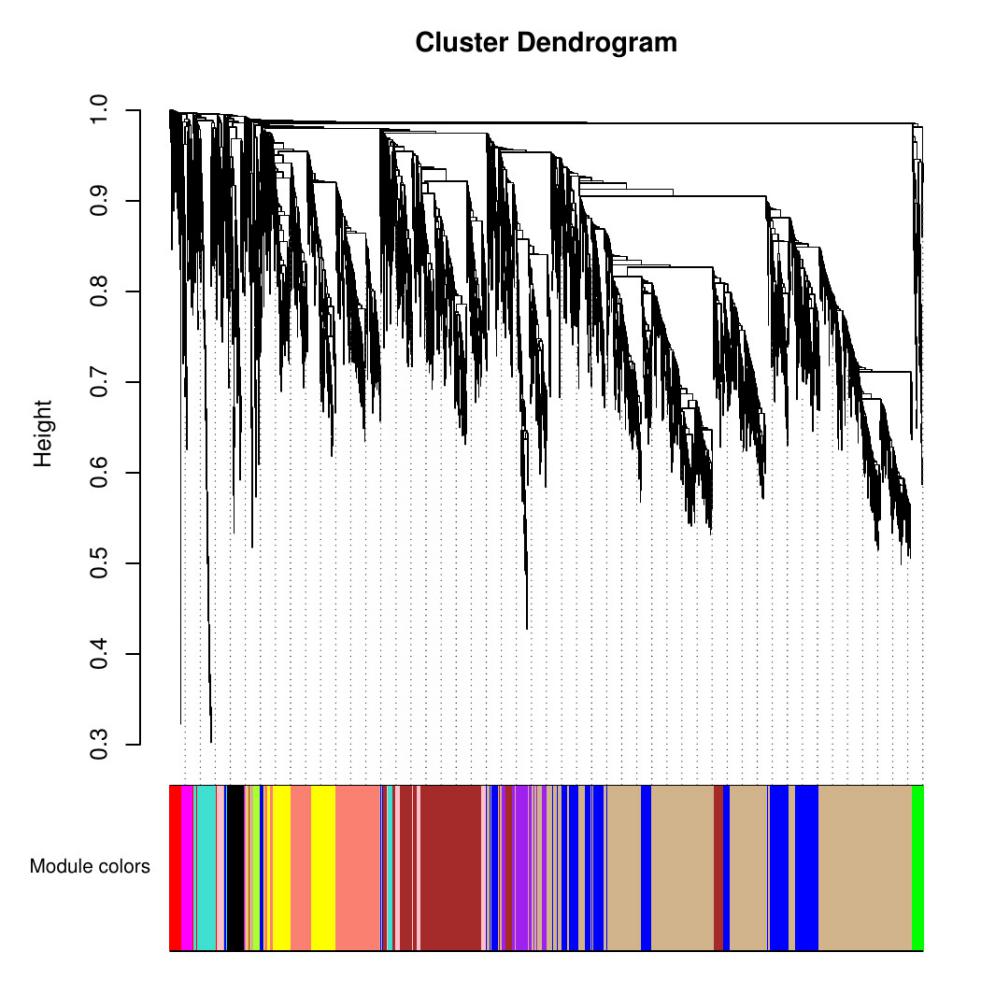


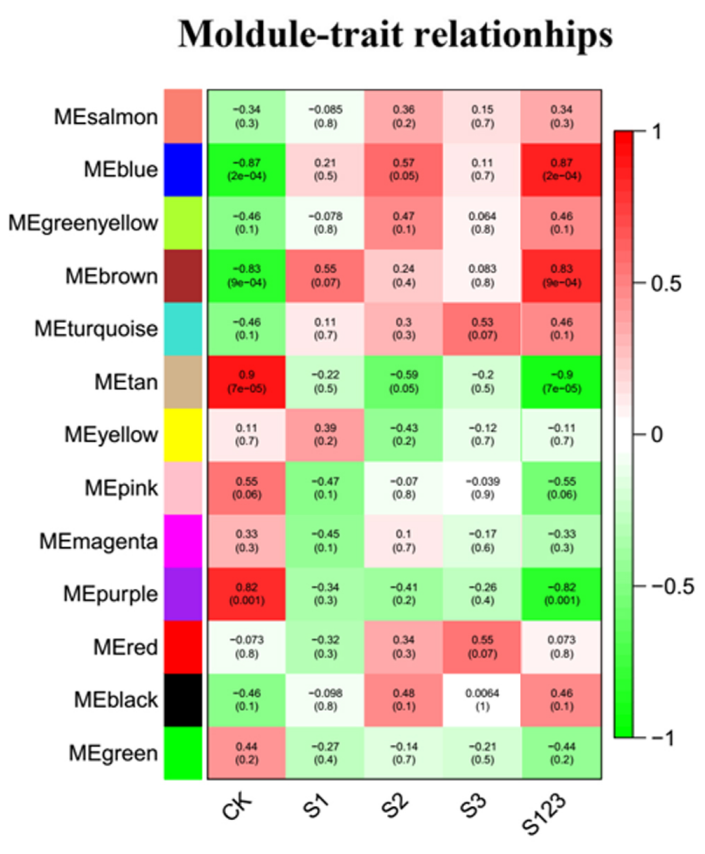
Supplementary FigureS1. Growth situation of *F.velutipes* after inoculation of bacterium FvB3.

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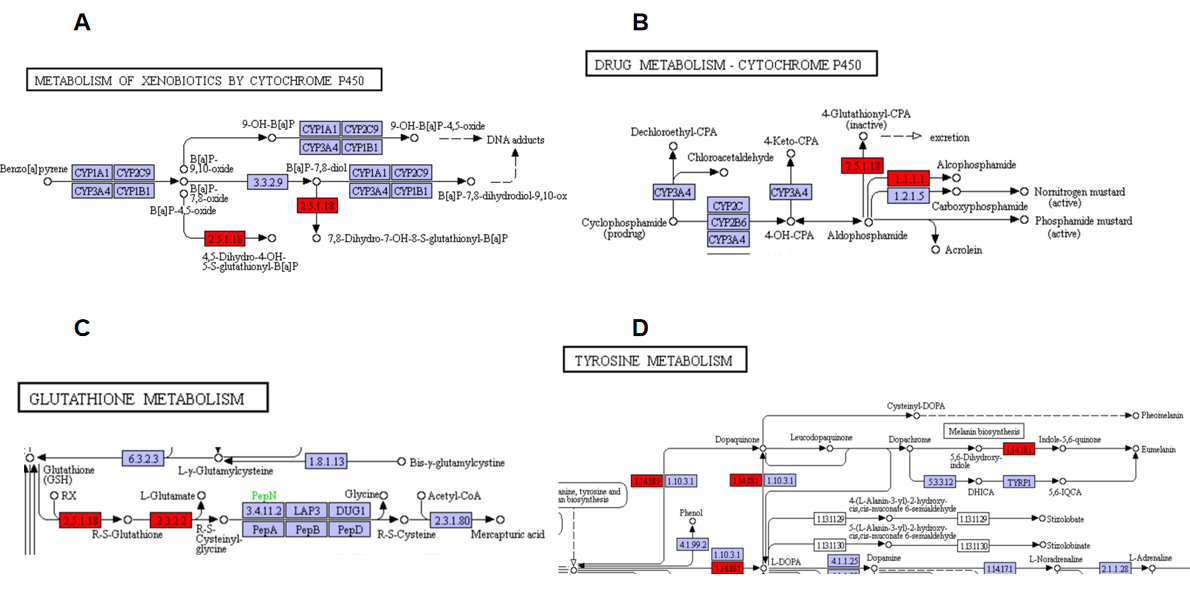
Supplementary Figure S2. Pearson correlation coefficient of gene expression between 12 samples. Control Check (CK) represents control group CK and S1, S2, S3 represent three treated groups S1, S2 and S3. -1, -2, -3 denote the three repeats in each group. The ruler color and nearby numbers indicate the Pearson correlation coefficient. Values in the circles represent specific Pearson correlation coefficient between each two samples.



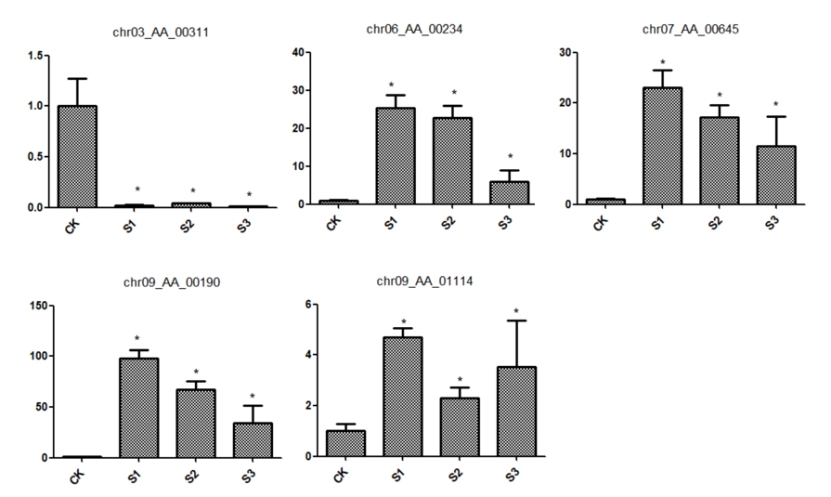
Supplementary Figure S3. Clustering dendrogram of genes, with dissimilarity based on topological overlap, together with assigned module colors. There are 13 different colored blocks shown in the bottom representing 13 different modules, with the color legend same as that in Fig. S4. The block size indicates the gene quantity in every module.



Supplementary Figure S4. Module-trait relationships. Each row corresponds to a gene module, column to a trait. CK, S1, S2, S3 respectively represent samples in groups CK, S1, S2 and S3. S123 indicate the combination of samples in groups S1, S2 and S3. The colored blocks on the left indicate 13 gene modules and colors of the rule on the right indicates Pearson correlation coefficient. Each cell contains the corresponding correlation coefficient and the P value.



Supplementary Figure S5. Four enriched pathways including Metabolism of xenobiotics by cytochrome P450 (A), Drug metabolism - cytochrome P450 (B), Glutathione metabolism (C) and Tyrosine metablism (D). Red rectangles represent up-regulated genes, among which enzyme ID 1.14.18.1 represents tyrosinase and ID 2.5.1.18 represents glutathione S-transferase.



Supplementary Figure S6. The RT-qPCR results of the five selected DEGs. The horizontal axis represents different groups, including CK, S1, S2 and S3. The vertical axis represents expression folds. Gene expression levels in the CK group were regarded as one. \* represents significance of difference.

Supplementary Table S1. Information and primers used for RT-qPCR of selected differentially expression genes.

|  |  |  |  |
| --- | --- | --- | --- |
| Gene ID | Gene annotation | Forward primer(5’-3’) | Reverse primer(5’-3’) |
| chr03\_AA\_00311 | glycerol-3-phosphate dehydrogenase | TGGCCAGACAAAGAAAACGG | AAGACTGCGTGCCATAAAGC |
| chr06\_AA\_00234 | putative lectin | TCAGGCGAGCTTTGCATTTG | ATGTGGCTGATGTTCTTGCG |
| chr07\_AA\_00645 | aldehyde dehydrogenase | TGTGCTTTCTGCCACCAAAC | TGTGGCGCGATTTCAGATAC |
| chr09\_AA\_01114 | glutathione S-transferase | CCCGCAATTGCATATGGTGG | CCTTTGCCAACAAGAGCACC |
| chr09\_AA\_00190 | potassium/sodium eff | AAGGCCGTCGCATTTTCATC | AAGGCCGTCGCATTTTCATC |
| GAPDH\* | Glyceraldehyde phosphatedehydrogenase | TTCCACTGCCACCCAAAAGAC | GTAGGGACACGGAAAGCGAGA |

\* represents the internal control gene

Supplementary Table S2. Information of RNA-seq data for the 12 samples.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sample IDs | GC(%) | Q20(%) | Q30(%) | Mapping rate |
| CK-1  CK-2  CK-3  S1-1  S1-2  S1-3  S2-1  S2-2  S2-3  S3-1  S3-2  S3-3 | 53.22  53.32  53.26  53.23  53.24  53.50  53.24  53.22  53.40  53.21  53.21  53.13 | 99.15  99.16  99.15  99.11  99.10  98.99  99.06  99.09  99.10  99.11  99.12  99.12 | 97.11  97.14  97.11  96.99  96.98  96.64  96.86  96.93  96.97  97.01  97.02  97.03 | 78.33%  80.58%  78.22%  79.37%  79.53%  80.24%  79.65%  78.66%  79.35%  78.18%  79.39%  78.02% |

CK represents control group, and S1, S2, S3 represent three treated groups. -1, -2, -3 represent the three repeats in each group.

Supplementary Table S3. Information of 714 up-regulated genes shared in the three treated groups S1, S2 and S3 compared to CK group.

|  |  |  |
| --- | --- | --- |
| Gene ID | Annotation | Log2 (fold change) |
| chr07\_AA\_00048 | glycoside hydrolase family 61 protein [Moniliophthora roreri MCA 2997] &gt;KTB29261.1 hypothetical protein WG66\_18149 [Moniliophthora roreri] | 8.23 |
| chr11\_AA\_01130 | putative carotenoid ester lipase precursor [Flammulina velutipes] | 8.09 |
| chr07\_AA\_00167 | hypothetical protein ARMSODRAFT\_956944 [Armillaria solidipes] &gt;SJL10924.1 probable transporter (major facilitator superfamily) [Armillaria ostoyae] | 7.11 |
| chr08\_AA\_00195 | hypothetical protein CVT24\_008519 [Panaeolus cyanescens] | 6.83 |
| chr11\_AA\_01429 | NA | 6.78 |
| chr09\_AA\_01190 | potassium/sodium eff [Cylindrobasidium torrendii FP15055 ss-10] | 6.78 |
| chr10\_AA\_00944 | general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 6.77 |
| chr06\_AA\_00234 | putative lectin [Flammulina velutipes] | 6.70 |
| chr03\_AA\_00126 | hypothetical protein CYLTODRAFT\_412931 [Cylindrobasidium torrendii FP15055 ss-10] | 6.64 |
| chr09\_AA\_00717 | chitin deacetylase [Flammulina velutipes] | 6.58 |
| chr01\_AA\_00442 | hypothetical protein ARMGADRAFT\_970088 [Armillaria gallica] | 6.52 |
| chr02\_AA\_00139 | related to putative tartrate transporter [Armillaria ostoyae] | 6.46 |
| chr10\_AA\_01322 | putative laccase 5 [Flammulina velutipes] | 6.37 |
| chr11\_AA\_01419 | hypothetical protein GYMLUDRAFT\_246259 [Gymnopus luxurians FD-317 M1] | 6.35 |
| chr01\_AA\_00233 | related to D-arabinitol 2-dehydrogenase [Armillaria ostoyae] | 6.30 |
| chr09\_AA\_00051 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 6.26 |
| chr10\_AA\_00718 | PHB depolymerase family esterase [Rhizoctonia solani] | 6.04 |
| chr06\_AA\_00433 | putative ectomycorrhiza-upregulated exo-beta-1,3-glucanase GH5 [Flammulina velutipes] | 6.02 |
| chr06\_AA\_00666 | hypothetical protein [Flammulina velutipes] | 6.02 |
| chr08\_AA\_00019 | glycoside hydrolase family 7 [Flammulina velutipes] | 6.00 |
| chr01\_AA\_00428 | putative protein lysine methyltransferase [Moniliophthora roreri MCA 2997] | 5.94 |
| chr10\_AA\_00761 | NA | 5.89 |
| chr09\_AA\_00955 | putative endo-1,4-beta-xylanase precursor [Flammulina velutipes] | 5.82 |
| chr01\_AA\_00232 | NAD(P)-binding protein [Armillaria gallica] | 5.82 |
| chr01\_AA\_00444 | APC amino acid permease [Cylindrobasidium torrendii FP15055 ss-10] | 5.70 |
| chr11\_AA\_00208 | NA | 5.69 |
| chr02\_AA\_00108 | asparaginase [Flammulina velutipes] | 5.65 |
| chr10\_AA\_00286 | B-(1-6) glucan synthase [Meira miltonrushii] &gt;PWN37625.1 B-(1-6) glucan synthase [Meira miltonrushii] | 5.62 |
| chr05\_AA\_00535 | putative endoglucanase II [Flammulina velutipes] | 5.60 |
| chr11\_AA\_00581 | laccase [Flammulina velutipes] | 5.46 |
| chr08\_AA\_00633 | Carbonic anhydrase 2 [Hypsizygus marmoreus] | 5.45 |
| chr09\_AA\_00719 | hypothetical protein PLEOSDRAFT\_1093927 [Pleurotus ostreatus PC15] | 5.44 |
| chr10\_AA\_00915 | jacalin-related lectin [Flammulina velutipes] | 5.39 |
| chr09\_AA\_00052 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 5.37 |
| chr11\_AA\_01423 | hypothetical protein ARMSODRAFT\_549990 [Armillaria solidipes] | 5.34 |
| chr07\_AA\_00617 | NAD-dependent formate dehydrogenase [Moniliophthora perniciosa] | 5.33 |
| chr09\_AA\_00100 | hypothetical protein K503DRAFT\_238266 [Rhizopogon vinicolor AM-OR11-026] | 5.32 |
| chr09\_AA\_00299 | NA | 5.32 |
| chr03\_AA\_00073 | NA | 5.31 |
| chr11\_AA\_01678 | sodium:inorganic phosphate symporter [Cylindrobasidium torrendii FP15055 ss-10] | 5.24 |
| chr09\_AA\_00314 | NA | 5.22 |
| chr09\_AA\_00190 | putative exo-beta-1,3-glucanase [Flammulina velutipes] | 5.18 |
| chr11\_AA\_00499 | GroES-like protein [Armillaria solidipes] | 5.17 |
| chr10\_AA\_01446 | NA | 5.12 |
| chr07\_AA\_00195 | copper radical oxidase [Cylindrobasidium torrendii FP15055 ss-10] | 5.07 |
| chr07\_AA\_00601 | hypothetical protein GYMLUDRAFT\_71620 [Gymnopus luxurians FD-317 M1] | 5.07 |
| chr07\_AA\_00567 | hypothetical protein CYLTODRAFT\_406012 [Cylindrobasidium torrendii FP15055 ss-10] | 5.05 |
| chr02\_AA\_00114 | glycoside hydrolase family 128 protein [Cylindrobasidium torrendii FP15055 ss-10] | 4.97 |
| chr10\_AA\_01458 | NA | 4.97 |
| chr06\_AA\_00926 | hypothetical protein CYLTODRAFT\_377216 [Cylindrobasidium torrendii FP15055 ss-10] | 4.96 |
| chr08\_AA\_00363 | uncharacterized protein ARMOST\_09751 [Armillaria ostoyae] | 4.94 |
| chr05\_AA\_00241 | hypothetical protein CYLTODRAFT\_421179 [Cylindrobasidium torrendii FP15055 ss-10] | 4.91 |
| chr09\_AA\_00269 | glycoside hydrolase family 11 enzyme [uncultured eukaryote] | 4.86 |
| chr06\_AA\_00925 | hypothetical protein CYLTODRAFT\_377216 [Cylindrobasidium torrendii FP15055 ss-10] | 4.78 |
| chr06\_AA\_00694 | Zinc-regulated transporter 1 [Hypsizygus marmoreus] | 4.77 |
| chr11\_AA\_01685 | 1-aminocyclopropane-1-carboxylate deaminase [Armillaria solidipes] | 4.77 |
| chr09\_AA\_00191 | exo-beta-1,3-glucanase [Armillaria solidipes] | 4.71 |
| chr09\_AA\_00739 | glycoside hydrolase family 7 protein [Cylindrobasidium torrendii FP15055 ss-10] | 4.70 |
| chr11\_AA\_01046 | hypothetical protein CYLTODRAFT\_428160 [Cylindrobasidium torrendii FP15055 ss-10] | 4.64 |
| chr06\_AA\_00205 | uncharacterized protein ARMOST\_06736 [Armillaria ostoyae] | 4.62 |
| chr10\_AA\_01440 | NA | 4.61 |
| chr09\_AA\_00831 | hypothetical protein CYLTODRAFT\_417837 [Cylindrobasidium torrendii FP15055 ss-10] | 4.56 |
| chr09\_AA\_00461 | hypothetical protein CYLTODRAFT\_436819 [Cylindrobasidium torrendii FP15055 ss-10] | 4.54 |
| chr10\_AA\_00243 | predicted protein [Mycena chlorophos] | 4.54 |
| chr06\_AA\_00968 | uncharacterized protein ARMOST\_04336 [Armillaria ostoyae] | 4.54 |
| chr06\_AA\_00920 | hypothetical protein AMATHDRAFT\_60193 [Amanita thiersii Skay4041] | 4.50 |
| chr03\_AA\_00465 | hypothetical protein ARMGADRAFT\_1081249 [Armillaria gallica] | 4.48 |
| chr09\_AA\_00892 | hypothetical protein CYLTODRAFT\_431446 [Cylindrobasidium torrendii FP15055 ss-10] | 4.46 |
| chr08\_AA\_00348 | NA | 4.40 |
| chr03\_AA\_00325 | hypothetical protein CYLTODRAFT\_421760 [Cylindrobasidium torrendii FP15055 ss-10] | 4.39 |
| chr10\_AA\_00999 | hypothetical protein ARMSODRAFT\_1019459 [Armillaria solidipes] | 4.33 |
| chr08\_AA\_00984 | cytochrome P450 monooxygenase pc-bph [Armillaria gallica] | 4.32 |
| chr03\_AA\_00127 | uncharacterized protein ARMOST\_21085 [Armillaria ostoyae] | 4.31 |
| chr09\_AA\_01045 | glycoside hydrolase family 5 protein [Peniophora sp. CONT] | 4.29 |
| chr04\_AA\_00484 | hypothetical protein CYLTODRAFT\_422976 [Cylindrobasidium torrendii FP15055 ss-10] | 4.28 |
| chr09\_AA\_00451 | NA | 4.26 |
| chr11\_AA\_01097 | glycoside hydrolase family 3 protein [Cylindrobasidium torrendii FP15055 ss-10] | 4.25 |
| chr11\_AA\_01422 | uncharacterized protein ARMOST\_18856 [Armillaria ostoyae] | 4.24 |
| chr09\_AA\_00772 | hypothetical protein LENED\_002377 [Lentinula edodes] | 4.24 |
| chr07\_AA\_00156 | uncharacterized protein ARMOST\_00326 [Armillaria ostoyae] | 4.23 |
| chr09\_AA\_01099 | general substrate transporter [Armillaria gallica] | 4.19 |
| chr10\_AA\_00579 | hypothetical protein HETIRDRAFT\_480361 [Heterobasidion irregulare TC 32-1] &gt;ETW76290.1 hypothetical protein HETIRDRAFT\_480361 [Heterobasidion irregulare TC 32-1] | 4.17 |
| chr09\_AA\_00126 | glycoside hydrolase family 6 protein [Cylindrobasidium torrendii FP15055 ss-10] | 4.17 |
| chr04\_AA\_00132 | NA | 4.16 |
| chr11\_AA\_01002 | related to dehydrogenase [Armillaria ostoyae] | 4.13 |
| chr10\_AA\_01157 | glycoside hydrolase family 53 protein [Cylindrobasidium torrendii FP15055 ss-10] | 4.10 |
| chr10\_AA\_00728 | lytic polysaccharide monooxygenase [Cylindrobasidium torrendii FP15055 ss-10] | 4.08 |
| chr03\_AA\_00294 | hypothetical protein CYLTODRAFT\_489528 [Cylindrobasidium torrendii FP15055 ss-10] | 4.07 |
| chr10\_AA\_01490 | hypothetical protein WG66\_19536 [Moniliophthora roreri] | 4.07 |
| chr03\_AA\_00185 | hypothetical protein GYMLUDRAFT\_251306 [Gymnopus luxurians FD-317 M1] | 4.01 |
| chr05\_AA\_00370 | hypothetical protein GALMADRAFT\_90776 [Galerina marginata CBS 339.88] | 4.00 |
| chr11\_AA\_01635 | glycoside hydrolase family 7 [Flammulina velutipes] | 3.99 |
| chr11\_AA\_00965 | hypothetical protein CYLTODRAFT\_346255 [Cylindrobasidium torrendii FP15055 ss-10] | 3.98 |
| chr11\_AA\_00094 | homogentisate 1,2-dioxygenase [Armillaria solidipes] | 3.97 |
| chr01\_AA\_00090 | uncharacterized protein ARMOST\_15826 [Armillaria ostoyae] | 3.96 |
| chr03\_AA\_00186 | hypothetical protein Hypma\_011894 [Hypsizygus marmoreus] | 3.93 |
| chr11\_AA\_01645 | 4-O-methyl-glucuronoyl methylesterase [Hypsizygus marmoreus] | 3.91 |
| chr07\_AA\_00919 | Six-hairpin glycosidase [Cylindrobasidium torrendii FP15055 ss-10] | 3.91 |
| chr05\_AA\_00278 | NA | 3.88 |
| chr10\_AA\_01475 | hypothetical protein CYLTODRAFT\_380528 [Cylindrobasidium torrendii FP15055 ss-10] | 3.87 |
| chr03\_AA\_00302 | hypothetical protein CYLTODRAFT\_424064 [Cylindrobasidium torrendii FP15055 ss-10] | 3.81 |
| chr07\_AA\_00467 | NA | 3.79 |
| chr08\_AA\_01046 | MFS general substrate transporter [Armillaria gallica] | 3.78 |
| chr04\_AA\_00141 | hypothetical protein CYLTODRAFT\_422578 [Cylindrobasidium torrendii FP15055 ss-10] | 3.78 |
| chr09\_AA\_00799 | glycoside hydrolase family 16 protein [Cylindrobasidium torrendii FP15055 ss-10] | 3.77 |
| chr02\_AA\_00313 | NA | 3.74 |
| chr01\_AA\_00310 | hypothetical protein GYMLUDRAFT\_150603 [Gymnopus luxurians FD-317 M1] | 3.70 |
| chr05\_AA\_00327 | isocitrate lyase [Cylindrobasidium torrendii FP15055 ss-10] | 3.70 |
| chr05\_AA\_00590 | hydrophobin [Flammulina velutipes] | 3.68 |
| chr11\_AA\_01487 | hypothetical protein CYLTODRAFT\_383512 [Cylindrobasidium torrendii FP15055 ss-10] | 3.68 |
| chr04\_AA\_00751 | NA | 3.68 |
| chr01\_AA\_00109 | hydrophobin [Flammulina velutipes] | 3.68 |
| chr07\_AA\_00116 | iron reductase [Cylindrobasidium torrendii FP15055 ss-10] | 3.67 |
| chr09\_AA\_00271 | Endo-1,4-beta-xylanase 6 [Hypsizygus marmoreus] | 3.67 |
| chr10\_AA\_00969 | NAD(P)-binding protein [Armillaria gallica] | 3.66 |
| chr09\_AA\_00101 | hypothetical protein CYLTODRAFT\_375620 [Cylindrobasidium torrendii FP15055 ss-10] | 3.66 |
| chr03\_AA\_00112 | NA | 3.65 |
| chr07\_AA\_00829 | general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 3.64 |
| chr06\_AA\_01031 | glycoside hydrolase family 43 protein [Periconia macrospinosa] | 3.61 |
| chr10\_AA\_00647 | hypothetical protein ARMSODRAFT\_1082975 [Armillaria solidipes] | 3.60 |
| chr01\_AA\_00530 | NA | 3.56 |
| chr05\_AA\_00347 | potassium/sodium eff [Auricularia subglabra TFB-10046 SS5] | 3.54 |
| chr06\_AA\_01035 | NA | 3.54 |
| chr11\_AA\_01298 | hypothetical protein CVT25\_009203 [Psilocybe cyanescens] | 3.53 |
| chr10\_AA\_01474 | hypothetical protein ARMGADRAFT\_1052929 [Armillaria gallica] | 3.52 |
| chr05\_AA\_00394 | NA | 3.52 |
| chr11\_AA\_00595 | chitin deacetylase [Armillaria gallica] | 3.51 |
| chr07\_AA\_00804 | uncharacterized protein ARMOST\_19843 [Armillaria ostoyae] | 3.51 |
| chr09\_AA\_00721 | chitin deacetylase [Flammulina velutipes] | 3.50 |
| chr09\_AA\_01224 | uncharacterized protein ARMOST\_22339 [Armillaria ostoyae] | 3.50 |
| chr06\_AA\_00745 | MFS monosaccharide transporter [Armillaria gallica] | 3.49 |
| chr11\_AA\_01456 | uncharacterized protein ARMOST\_16541 [Armillaria ostoyae] | 3.49 |
| chr01\_AA\_00422 | hypothetical protein M422DRAFT\_28159 [Sphaerobolus stellatus SS14] | 3.49 |
| chr05\_AA\_00860 | hypothetical protein ARMGADRAFT\_633196 [Armillaria gallica] | 3.49 |
| chr06\_AA\_00572 | NA | 3.48 |
| chr03\_AA\_00194 | acetyl-CoA synthetase-like protein [Gloeophyllum trabeum ATCC 11539] &gt;EPQ54396.1 acetyl-CoA synthetase-like protein [Gloeophyllum trabeum ATCC 11539] | 3.47 |
| chr05\_AA\_00224 | carotenoid ester lipase precursor [Cylindrobasidium torrendii FP15055 ss-10] | 3.47 |
| chr02\_AA\_00057 | hypothetical protein ARMSODRAFT\_931909 [Armillaria solidipes] &gt;SJL01654.1 uncharacterized protein ARMOST\_04977 [Armillaria ostoyae] | 3.47 |
| chr08\_AA\_00621 | hypothetical protein ARMGADRAFT\_982650 [Armillaria gallica] | 3.46 |
| chr06\_AA\_00949 | hypothetical protein CYLTODRAFT\_427642 [Cylindrobasidium torrendii FP15055 ss-10] | 3.45 |
| chr08\_AA\_00644 | cytochrome P450 [Armillaria solidipes] | 3.44 |
| chr01\_AA\_00105 | hydrophobin [Flammulina velutipes] | 3.42 |
| chr08\_AA\_01206 | NA | 3.42 |
| chr03\_AA\_00277 | Chain A, Crystal Structure Of Fip-fve Fungal Immunomodulatory Protein &gt;1OSY\_B Chain B, Crystal Structure Of Fip-fve Fungal Immunomodulatory Protein | 3.42 |
| chr09\_AA\_00036 | hypothetical protein ARMGADRAFT\_1070289 [Armillaria gallica] | 3.40 |
| chr10\_AA\_00562 | acetate--CoA ligase [Cylindrobasidium torrendii FP15055 ss-10] | 3.39 |
| chr11\_AA\_01619 | NA | 3.38 |
| chr02\_AA\_00090 | hypothetical protein ARMGADRAFT\_967506 [Armillaria gallica] | 3.37 |
| chr10\_AA\_00618 | putative cellulase CEL6B [Flammulina velutipes] | 3.37 |
| chr10\_AA\_00733 | Zinc-regulated transporter 1 [Hypsizygus marmoreus] | 3.37 |
| chr10\_AA\_01078 | NA | 3.35 |
| chr06\_AA\_00366 | uncharacterized protein ARMOST\_02422 [Armillaria ostoyae] | 3.35 |
| chr08\_AA\_00496 | amidase signature enzyme [Sanghuangporus baumii] | 3.34 |
| chr11\_AA\_00233 | hypothetical protein ARMGADRAFT\_977028 [Armillaria gallica] | 3.33 |
| chr05\_AA\_00887 | hypothetical protein SERLA73DRAFT\_126376 [Serpula lacrymans var. lacrymans S7.3] | 3.29 |
| chr05\_AA\_00121 | hypothetical protein CYLTODRAFT\_419184 [Cylindrobasidium torrendii FP15055 ss-10] | 3.28 |
| chr11\_AA\_00579 | NA | 3.27 |
| chr08\_AA\_00755 | hypothetical protein AMATHDRAFT\_60588 [Amanita thiersii Skay4041] | 3.27 |
| chr01\_AA\_00293 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 3.27 |
| chr09\_AA\_01114 | glutathione S-transferase family, partial [Flammulina velutipes] | 3.26 |
| chr01\_AA\_00413 | hypothetical protein ARMGADRAFT\_602628 [Armillaria gallica] | 3.25 |
| chr07\_AA\_00446 | uncharacterized protein ARMOST\_00676 [Armillaria ostoyae] | 3.22 |
| chr06\_AA\_00524 | hypothetical protein ARMGADRAFT\_1111301 [Armillaria gallica] | 3.20 |
| chr11\_AA\_01557 | hypothetical protein CYLTODRAFT\_444134 [Cylindrobasidium torrendii FP15055 ss-10] | 3.18 |
| chr08\_AA\_01205 | NA | 3.18 |
| chr10\_AA\_00343 | S-adenosyl-L-methionine-dependent methyltransferase [Armillaria solidipes] | 3.17 |
| chr01\_AA\_00125 | natural resistance-associated macrophage protein [Cylindrobasidium torrendii FP15055 ss-10] | 3.17 |
| chr11\_AA\_00928 | putative malate synthase [Flammulina velutipes] | 3.16 |
| chr09\_AA\_01350 | saccharopine dehydrogenase-like oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 3.15 |
| chr04\_AA\_00651 | uncharacterized protein ARMOST\_02737 [Armillaria ostoyae] | 3.15 |
| chr05\_AA\_00845 | general substrate transporter [Armillaria gallica] | 3.13 |
| chr09\_AA\_00423 | hypothetical protein CYLTODRAFT\_493244 [Cylindrobasidium torrendii FP15055 ss-10] | 3.13 |
| chr11\_AA\_00878 | hypothetical protein CYLTODRAFT\_430286 [Cylindrobasidium torrendii FP15055 ss-10] | 3.13 |
| chr08\_AA\_01257 | hypothetical protein ARMSODRAFT\_949486 [Armillaria solidipes] | 3.12 |
| chr09\_AA\_00023 | hypothetical protein WG66\_107 [Moniliophthora roreri] | 3.10 |
| chr09\_AA\_00964 | hypothetical protein CYLTODRAFT\_421025 [Cylindrobasidium torrendii FP15055 ss-10] | 3.10 |
| chr04\_AA\_00450 | hypothetical protein Moror\_6730 [Moniliophthora roreri MCA 2997] | 3.09 |
| chr04\_AA\_00045 | hypothetical protein ARMGADRAFT\_1084273 [Armillaria gallica] | 3.09 |
| chr08\_AA\_00240 | glutathione S-transferase [Cylindrobasidium torrendii FP15055 ss-10] | 3.08 |
| chr04\_AA\_00685 | hypothetical protein CYLTODRAFT\_369578 [Cylindrobasidium torrendii FP15055 ss-10] | 3.08 |
| chr11\_AA\_00627 | NA | 3.08 |
| chr08\_AA\_01237 | PLP-dependent transferase [Cylindrobasidium torrendii FP15055 ss-10] | 3.07 |
| chr11\_AA\_00051 | hypothetical protein CYLTODRAFT\_420245 [Cylindrobasidium torrendii FP15055 ss-10] | 3.06 |
| chr08\_AA\_00931 | hypothetical protein HYPSUDRAFT\_32617 [Hypholoma sublateritium FD-334 SS-4] | 3.06 |
| chr01\_AA\_00089 | NA | 3.05 |
| chr09\_AA\_00312 | putative beta-glucosidase [Flammulina velutipes] | 3.05 |
| chr09\_AA\_01277 | hypothetical protein GSI\_06742 [Ganoderma sinense ZZ0214-1] | 3.05 |
| chr05\_AA\_00517 | zincin [Cylindrobasidium torrendii FP15055 ss-10] | 3.04 |
| chr06\_AA\_00970 | glycoside hydrolase family 5 protein [Pleurotus ostreatus PC15] | 3.02 |
| chr06\_AA\_00971 | uncharacterized protein ARMOST\_17209 [Armillaria ostoyae] | 3.02 |
| chr05\_AA\_00599 | glycoside hydrolase family 2 protein [Cylindrobasidium torrendii FP15055 ss-10] | 3.01 |
| chr08\_AA\_00284 | FAD/NAD-binding domain-containing protein [Armillaria solidipes] | 3.01 |
| chr11\_AA\_00333 | NA | 3.00 |
| chr07\_AA\_01122 | NA | 3.00 |
| chr09\_AA\_00115 | hypothetical protein CYLTODRAFT\_383743 [Cylindrobasidium torrendii FP15055 ss-10] | 2.96 |
| chr11\_AA\_00103 | hypothetical protein M413DRAFT\_370146 [Hebeloma cylindrosporum h7] | 2.96 |
| chr06\_AA\_00526 | hypothetical protein CYLTODRAFT\_420910 [Cylindrobasidium torrendii FP15055 ss-10] | 2.95 |
| chr06\_AA\_00318 | hypothetical protein ARMGADRAFT\_1051359 [Armillaria gallica] | 2.95 |
| chr07\_AA\_00528 | dihydroxy-acid dehydratase [Armillaria gallica] | 2.95 |
| chr08\_AA\_01077 | GroES-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.94 |
| chr09\_AA\_00606 | carbohydrate esterase family 12 protein [Peniophora sp. CONT] | 2.94 |
| chr11\_AA\_01145 | hypothetical protein ARMSODRAFT\_964448 [Armillaria solidipes] | 2.94 |
| chr10\_AA\_00754 | NA | 2.93 |
| chr03\_AA\_00406 | NA | 2.91 |
| chr05\_AA\_00686 | glycoside hydrolase family 95 protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.91 |
| chr09\_AA\_00162 | hypothetical protein ARMGADRAFT\_961910 [Armillaria gallica] | 2.90 |
| chr08\_AA\_00338 | DUF1479-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.88 |
| chr07\_AA\_00420 | hypothetical protein GALMADRAFT\_140021 [Galerina marginata CBS 339.88] | 2.88 |
| chr11\_AA\_00255 | putative endoglucanase [Flammulina velutipes] | 2.88 |
| chr01\_AA\_00528 | hypothetical protein ARMGADRAFT\_964373 [Armillaria gallica] | 2.86 |
| chr08\_AA\_00476 | uncharacterized protein ARMOST\_15733 [Armillaria ostoyae] | 2.85 |
| chr07\_AA\_00278 | hypothetical protein ARMSODRAFT\_1090165 [Armillaria solidipes] | 2.84 |
| chr08\_AA\_00148 | hypothetical protein ARMGADRAFT\_1015389 [Armillaria gallica] | 2.81 |
| chr08\_AA\_00960 | 3-ketoacyl-CoA thiolase [Cylindrobasidium torrendii FP15055 ss-10] | 2.81 |
| chr09\_AA\_00761 | NAD-P-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.80 |
| chr06\_AA\_00301 | NA | 2.80 |
| chr05\_AA\_00317 | hypothetical protein CYLTODRAFT\_450559 [Cylindrobasidium torrendii FP15055 ss-10] | 2.80 |
| chr01\_AA\_00035 | uncharacterized protein ARMOST\_05935 [Armillaria ostoyae] | 2.80 |
| chr01\_AA\_00373 | PTR2-domain-containing protein [Exidia glandulosa HHB12029] | 2.79 |
| chr07\_AA\_00483 | uncharacterized protein ARMOST\_00645 [Armillaria ostoyae] | 2.78 |
| chr06\_AA\_00315 | mitochondrial carrier [Cylindrobasidium torrendii FP15055 ss-10] | 2.77 |
| chr01\_AA\_00396 | hypothetical protein SERLADRAFT\_471207 [Serpula lacrymans var. lacrymans S7.9] &gt;EGN97179.1 hypothetical protein SERLA73DRAFT\_183825 [Serpula lacrymans var. lacrymans S7.3] &gt;EGO22788.1 hypothetical protein SERLADRAFT\_471207 [Serpula lacrymans var. lacrymans S7.9] | 2.76 |
| chr09\_AA\_00238 | hypothetical protein CYLTODRAFT\_384793 [Cylindrobasidium torrendii FP15055 ss-10] | 2.75 |
| chr04\_AA\_00409 | hypothetical protein ARMGADRAFT\_1013158 [Armillaria gallica] | 2.75 |
| chr10\_AA\_00499 | hypothetical protein WG66\_16220 [Moniliophthora roreri] | 2.73 |
| chr05\_AA\_00208 | hypothetical protein ARMGADRAFT\_1075882 [Armillaria gallica] | 2.73 |
| chr11\_AA\_01087 | hypothetical protein ARMSODRAFT\_1086399 [Armillaria solidipes] | 2.73 |
| chr11\_AA\_01731 | benzoquinone reductase [Cylindrobasidium torrendii FP15055 ss-10] | 2.73 |
| chr10\_AA\_00732 | Metallo-dependent phosphatase [Cylindrobasidium torrendii FP15055 ss-10] | 2.72 |
| chr03\_AA\_00403 | hypothetical protein CYLTODRAFT\_424860 [Cylindrobasidium torrendii FP15055 ss-10] | 2.72 |
| chr06\_AA\_00707 | glycerol kinase [Armillaria solidipes] | 2.71 |
| chr08\_AA\_00260 | CDF-like metal transporter [Armillaria solidipes] | 2.70 |
| chr08\_AA\_01091 | uncharacterized protein ARMOST\_03386 [Armillaria ostoyae] | 2.68 |
| chr11\_AA\_00997 | Annexin [Cylindrobasidium torrendii FP15055 ss-10] | 2.68 |
| chr03\_AA\_00108 | NA | 2.67 |
| chr07\_AA\_00703 | potassium/sodium eff [Cylindrobasidium torrendii FP15055 ss-10] | 2.67 |
| chr11\_AA\_00213 | uncharacterized protein ARMOST\_19703 [Armillaria ostoyae] | 2.66 |
| chr07\_AA\_01021 | hypothetical protein PLEOSDRAFT\_1096996 [Pleurotus ostreatus PC15] | 2.65 |
| chr09\_AA\_01359 | glycoside hydrolase [Armillaria gallica] | 2.65 |
| chr09\_AA\_00718 | NAD(P)-binding protein [Armillaria solidipes] | 2.64 |
| chr11\_AA\_01386 | NA | 2.64 |
| chr07\_AA\_01020 | extracellular GDSL-like lipase/acylhydrolase [Glonium stellatum] | 2.64 |
| chr11\_AA\_01730 | nonribosomal peptide synthetase 12 [Lentinula edodes] | 2.64 |
| chr09\_AA\_00150 | NA | 2.63 |
| chr06\_AA\_00869 | carboxylic acid transport protein [Diplodia corticola] &gt;OJD39862.1 carboxylic acid transport protein [Diplodia corticola] | 2.63 |
| chr07\_AA\_01163 | NA | 2.62 |
| chr09\_AA\_01214 | hypothetical protein CYLTODRAFT\_417942 [Cylindrobasidium torrendii FP15055 ss-10] | 2.61 |
| chr11\_AA\_00332 | hypothetical protein ARMSODRAFT\_1021270 [Armillaria solidipes] | 2.61 |
| chr08\_AA\_01081 | uncharacterized protein ARMOST\_20173 [Armillaria ostoyae] | 2.57 |
| chr06\_AA\_00347 | hypothetical protein NEOLEDRAFT\_1063527, partial [Neolentinus lepideus HHB14362 ss-1] | 2.57 |
| chr05\_AA\_00118 | glycoside hydrolase family 37 protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.56 |
| chr11\_AA\_00508 | glycoside hydrolase [Armillaria gallica] | 2.56 |
| chr09\_AA\_00448 | NA | 2.55 |
| chr07\_AA\_01017 | laccase [Flammulina velutipes] | 2.54 |
| chr07\_AA\_01129 | NA | 2.54 |
| chr06\_AA\_00703 | hypothetical protein CYLTODRAFT\_398145 [Cylindrobasidium torrendii FP15055 ss-10] | 2.53 |
| chr07\_AA\_01051 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 2.53 |
| chr05\_AA\_00715 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.53 |
| chr04\_AA\_00291 | hypothetical protein ARMGADRAFT\_1063603 [Armillaria gallica] | 2.52 |
| chr07\_AA\_00484 | hypothetical protein ARMGADRAFT\_932206 [Armillaria gallica] | 2.52 |
| chr07\_AA\_00414 | MFS general substrate transporter [Armillaria gallica] | 2.51 |
| chr01\_AA\_00436 | hypothetical protein ARMSODRAFT\_960465 [Armillaria solidipes] | 2.51 |
| chr03\_AA\_00377 | NA | 2.50 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | 2.50 |
| chr05\_AA\_00215 | 4-O-methyl-glucuronoyl methylesterase [Hypsizygus marmoreus] | 2.49 |
| chr07\_AA\_00494 | glycoside hydrolase family 5 protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.49 |
| chr09\_AA\_01493 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.49 |
| chr03\_AA\_00488 | hypothetical protein GYMLUDRAFT\_179287 [Gymnopus luxurians FD-317 M1] | 2.49 |
| chr02\_AA\_00154 | hypothetical protein ARMSODRAFT\_1083492 [Armillaria solidipes] | 2.49 |
| chr02\_AA\_00260 | hypothetical protein CYLTODRAFT\_418477 [Cylindrobasidium torrendii FP15055 ss-10] | 2.49 |
| chr06\_AA\_00424 | NA | 2.49 |
| chr11\_AA\_01555 | NA | 2.48 |
| chr02\_AA\_00138 | related to putative tartrate transporter [Armillaria ostoyae] | 2.48 |
| chr10\_AA\_01201 | acyltransferase ChoActase/COT/CPT [Armillaria gallica] | 2.48 |
| chr08\_AA\_00776 | Oligoxyloglucan reducing end-specific cellobiohydrolase [Armillaria gallica] | 2.47 |
| chr11\_AA\_01343 | NA | 2.47 |
| chr06\_AA\_00233 | hypothetical protein CYLTODRAFT\_395535 [Cylindrobasidium torrendii FP15055 ss-10] | 2.47 |
| chr11\_AA\_01686 | hypothetical protein CYLTODRAFT\_348076 [Cylindrobasidium torrendii FP15055 ss-10] | 2.46 |
| chr11\_AA\_00790 | uncharacterized protein ARMOST\_05401 [Armillaria ostoyae] | 2.46 |
| chr11\_AA\_00606 | hypothetical protein CYLTODRAFT\_418833 [Cylindrobasidium torrendii FP15055 ss-10] | 2.45 |
| chr08\_AA\_00140 | NA | 2.45 |
| chr10\_AA\_01414 | hypothetical protein ARMSODRAFT\_995949 [Armillaria solidipes] | 2.45 |
| chr09\_AA\_00132 | hypothetical protein CYLTODRAFT\_360437 [Cylindrobasidium torrendii FP15055 ss-10] | 2.45 |
| chr10\_AA\_00662 | Ureohydrolase [Armillaria gallica] | 2.45 |
| chr10\_AA\_01231 | hypothetical protein ARMSODRAFT\_1019532 [Armillaria solidipes] | 2.45 |
| chr02\_AA\_00393 | related to GRE2-methylglyoxal reductase (NADPH-dependent) [Armillaria ostoyae] | 2.44 |
| chr11\_AA\_01311 | NA | 2.44 |
| chr09\_AA\_00095 | hypothetical protein CYLTODRAFT\_422329 [Cylindrobasidium torrendii FP15055 ss-10] | 2.43 |
| chr10\_AA\_00270 | branched-chain alpha-keto acid dehydrogenase E1-alpha subunit [Cylindrobasidium torrendii FP15055 ss-10] | 2.43 |
| chr04\_AA\_00470 | hypothetical protein PLICRDRAFT\_179967 [Plicaturopsis crispa FD-325 SS-3] | 2.43 |
| chr09\_AA\_00700 | glutathione S-transferase [Cylindrobasidium torrendii FP15055 ss-10] | 2.42 |
| chr05\_AA\_00719 | lipolytic enzyme [Coprinopsis cinerea okayama7#130] &gt;EAU92167.1 lipolytic enzyme [Coprinopsis cinerea okayama7#130] | 2.42 |
| chr05\_AA\_00082 | glycoside hydrolase family 20 protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.40 |
| chr09\_AA\_00429 | uncharacterized protein ARMOST\_07282 [Armillaria ostoyae] | 2.39 |
| chr11\_AA\_00882 | hypothetical protein HETIRDRAFT\_480361 [Heterobasidion irregulare TC 32-1] &gt;ETW76290.1 hypothetical protein HETIRDRAFT\_480361 [Heterobasidion irregulare TC 32-1] | 2.39 |
| chr08\_AA\_00595 | phenylacetyl-CoA ligase [Cylindrobasidium torrendii FP15055 ss-10] | 2.38 |
| chr07\_AA\_00187 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 2.38 |
| chr11\_AA\_00888 | NA | 2.36 |
| chr03\_AA\_00608 | NA | 2.36 |
| chr08\_AA\_00518 | Aldo/keto reductase [Cylindrobasidium torrendii FP15055 ss-10] | 2.36 |
| chr09\_AA\_00762 | transketolase [Armillaria solidipes] | 2.36 |
| chr05\_AA\_00666 | MATE efflux family protein [Armillaria solidipes] | 2.35 |
| chr07\_AA\_00874 | hypothetical protein ARMGADRAFT\_762077 [Armillaria gallica] | 2.34 |
| chr02\_AA\_00067 | NA | 2.34 |
| chr08\_AA\_00167 | Aldo/keto reductase [Armillaria gallica] | 2.33 |
| chr09\_AA\_00551 | hypothetical protein CYLTODRAFT\_392634 [Cylindrobasidium torrendii FP15055 ss-10] | 2.33 |
| chr09\_AA\_00816 | mandelate racemase muconate lactonizing enzyme family protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.32 |
| chr11\_AA\_01194 | NA | 2.32 |
| chr10\_AA\_00134 | hypothetical protein CYLTODRAFT\_349864 [Cylindrobasidium torrendii FP15055 ss-10] | 2.32 |
| chr02\_AA\_00274 | Isochorismatase hydrolase [Cylindrobasidium torrendii FP15055 ss-10] | 2.31 |
| chr04\_AA\_00062 | glycosyltransferase family 25 domain-containing protein [Rhizoctonia solani AG-1 IA] | 2.31 |
| chr10\_AA\_00381 | hypothetical protein SCHCODRAFT\_51005 [Schizophyllum commune H4-8] &gt;EFJ01265.1 hypothetical protein SCHCODRAFT\_51005 [Schizophyllum commune H4-8] | 2.31 |
| chr10\_AA\_00667 | hypothetical protein CYLTODRAFT\_379376 [Cylindrobasidium torrendii FP15055 ss-10] | 2.31 |
| chr02\_AA\_00301 | Transposon Ty3-G Gag-Pol polyprotein [Trametes pubescens] | 2.31 |
| chr11\_AA\_00779 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 2.31 |
| chr03\_AA\_00303 | uncharacterized protein ARMOST\_16736 [Armillaria ostoyae] | 2.30 |
| chr10\_AA\_01002 | hypothetical protein ARMGADRAFT\_307908 [Armillaria gallica] | 2.30 |
| chr11\_AA\_00778 | NA | 2.29 |
| chr11\_AA\_01064 | FAD-binding domain-containing protein [Ceraceosorus guamensis] &gt;PWN39261.1 FAD-binding domain-containing protein [Ceraceosorus guamensis] | 2.29 |
| chr03\_AA\_00189 | hypothetical protein GYMLUDRAFT\_251306 [Gymnopus luxurians FD-317 M1] | 2.29 |
| chr08\_AA\_00124 | putative hscarg dehydrogenase [Armillaria solidipes] | 2.29 |
| chr09\_AA\_00018 | oxaloacetate acetylhydrolase [Cylindrobasidium torrendii FP15055 ss-10] | 2.29 |
| chr05\_AA\_00056 | glycoside hydrolase family 20 protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.29 |
| chr06\_AA\_00246 | RTA1 like protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.27 |
| chr09\_AA\_01072 | hypothetical protein GSI\_02408 [Ganoderma sinense ZZ0214-1] | 2.27 |
| chr06\_AA\_00564 | uncharacterized protein ARMOST\_07065 [Armillaria ostoyae] | 2.27 |
| chr09\_AA\_00427 | hypothetical protein DAEQUDRAFT\_691752, partial [Daedalea quercina L-15889] | 2.27 |
| chr11\_AA\_00240 | hypothetical protein GYMLUDRAFT\_241830 [Gymnopus luxurians FD-317 M1] | 2.26 |
| chr09\_AA\_00938 | NA | 2.26 |
| chr09\_AA\_01225 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.26 |
| chr04\_AA\_00320 | sulfite reductase flavoprotein alpha-component [Moniliophthora roreri MCA 2997] &gt;KTB45206.1 putative nitric-oxide synthase, salivary gland [Moniliophthora roreri] | 2.26 |
| chr03\_AA\_00654 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 2.25 |
| chr03\_AA\_00291 | hypothetical protein ARMGADRAFT\_1170747 [Armillaria gallica] | 2.25 |
| chr09\_AA\_00406 | uncharacterized protein ARMOST\_17180 [Armillaria ostoyae] | 2.25 |
| chr03\_AA\_00380 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.25 |
| chr09\_AA\_00714 | Clavaminate synthase-like protein, partial [Armillaria gallica] | 2.25 |
| chr09\_AA\_00149 | hypothetical protein Hypma\_006345 [Hypsizygus marmoreus] | 2.24 |
| chr08\_AA\_00948 | probable glutamate dehydrogenase, NAD(+)-specific [Armillaria ostoyae] | 2.24 |
| chr04\_AA\_00314 | 3-deoxy-7-phosphoheptulonate synthase [Armillaria solidipes] | 2.24 |
| chr11\_AA\_01454 | NA | 2.23 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.23 |
| chr09\_AA\_00410 | hypothetical protein AMATHDRAFT\_73341 [Amanita thiersii Skay4041] | 2.23 |
| chr01\_AA\_00397 | putative isomerase YbhE [Cylindrobasidium torrendii FP15055 ss-10] | 2.22 |
| chr11\_AA\_00086 | hypothetical protein ARMGADRAFT\_550561 [Armillaria gallica] | 2.22 |
| chr06\_AA\_00297 | hypothetical protein Hypma\_009103 [Hypsizygus marmoreus] | 2.22 |
| chr05\_AA\_00699 | hydrophobin [Flammulina velutipes] | 2.21 |
| chr08\_AA\_01278 | hypothetical protein ARMGADRAFT\_1007332 [Armillaria gallica] | 2.21 |
| chr10\_AA\_01143 | uncharacterized protein ARMOST\_08409 [Armillaria ostoyae] | 2.21 |
| chr09\_AA\_00934 | hypothetical protein ARMSODRAFT\_950051 [Armillaria solidipes] | 2.21 |
| chr06\_AA\_00537 | NA | 2.21 |
| chr07\_AA\_00079 | NA | 2.21 |
| chr09\_AA\_01106 | multidrug transporter [Cylindrobasidium torrendii FP15055 ss-10] | 2.20 |
| chr02\_AA\_00121 | vacuolar amino acid permease [Armillaria gallica] | 2.19 |
| chr05\_AA\_00483 | thioredoxin-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.19 |
| chr10\_AA\_01039 | NA | 2.18 |
| chr09\_AA\_00411 | hypothetical protein CYLTODRAFT\_488269 [Cylindrobasidium torrendii FP15055 ss-10] | 2.18 |
| chr11\_AA\_00236 | hypothetical protein GYMLUDRAFT\_994181 [Gymnopus luxurians FD-317 M1] | 2.18 |
| chr02\_AA\_00216 | S-adenosyl-L-methionine-dependent methyltransferase [Armillaria solidipes] | 2.18 |
| chr07\_AA\_01034 | uncharacterized protein ARMOST\_01203 [Armillaria ostoyae] | 2.18 |
| chr10\_AA\_00220 | hypothetical protein ARMGADRAFT\_962646, partial [Armillaria gallica] | 2.17 |
| chr01\_AA\_00108 | NA | 2.17 |
| chr05\_AA\_00365 | hypothetical protein CYLTODRAFT\_441111 [Cylindrobasidium torrendii FP15055 ss-10] | 2.16 |
| chr07\_AA\_00464 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | 2.16 |
| chr05\_AA\_00627 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 2.16 |
| chr08\_AA\_01097 | hypothetical protein GYMLUDRAFT\_32937 [Gymnopus luxurians FD-317 M1] | 2.15 |
| chr10\_AA\_01063 | glycoside hydrolase family 43 protein [Amanita thiersii Skay4041] | 2.15 |
| chr10\_AA\_00943 | hypothetical protein CYLTODRAFT\_417473 [Cylindrobasidium torrendii FP15055 ss-10] | 2.15 |
| chr08\_AA\_01254 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | 2.14 |
| chr10\_AA\_01056 | hypothetical protein ARMGADRAFT\_1020988 [Armillaria gallica] | 2.14 |
| chr10\_AA\_00646 | putative flavin-containing monooxygenase YUCCA3 [Cylindrobasidium torrendii FP15055 ss-10] | 2.14 |
| chr07\_AA\_00188 | NA | 2.13 |
| chr11\_AA\_01418 | NA | 2.13 |
| chr09\_AA\_01152 | general substrate transporter [Armillaria solidipes] | 2.13 |
| chr09\_AA\_00338 | hypothetical protein ARMGADRAFT\_1021227 [Armillaria gallica] | 2.13 |
| chr11\_AA\_00031 | glycoside hydrolase family 61 protein [Gymnopus luxurians FD-317 M1] | 2.12 |
| chr05\_AA\_00875 | hypothetical protein CYLTODRAFT\_490261 [Cylindrobasidium torrendii FP15055 ss-10] | 2.12 |
| chr08\_AA\_01106 | hypothetical protein ARMSODRAFT\_963093 [Armillaria solidipes] | 2.12 |
| chr09\_AA\_00351 | cytochrome P450 [Armillaria gallica] | 2.12 |
| chr02\_AA\_00341 | oxidoreductase [Armillaria solidipes] | 2.12 |
| chr10\_AA\_00155 | uncharacterized protein ARMOST\_08333 [Armillaria ostoyae] | 2.12 |
| chr09\_AA\_00564 | NA | 2.10 |
| chr10\_AA\_01664 | hypothetical protein CYLTODRAFT\_404266 [Cylindrobasidium torrendii FP15055 ss-10] | 2.10 |
| chr01\_AA\_00302 | hypothetical protein CYLTODRAFT\_420700 [Cylindrobasidium torrendii FP15055 ss-10] | 2.09 |
| chr07\_AA\_00603 | hypothetical protein GYMLUDRAFT\_69434 [Gymnopus luxurians FD-317 M1] | 2.09 |
| chr03\_AA\_00462 | hypothetical protein GYMLUDRAFT\_942491 [Gymnopus luxurians FD-317 M1] | 2.09 |
| chr04\_AA\_00384 | hypothetical protein ARMSODRAFT\_784657 [Armillaria solidipes] | 2.09 |
| chr06\_AA\_00506 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 2.08 |
| chr07\_AA\_00978 | putative polyketide synthase [Armillaria gallica] | 2.08 |
| chr10\_AA\_00574 | 2-oxoisovalerate dehydrogenase subunit beta, mitochondrial [Hypsizygus marmoreus] | 2.07 |
| chr08\_AA\_00280 | hypothetical protein ARMGADRAFT\_1006514 [Armillaria gallica] | 2.07 |
| chr11\_AA\_00719 | hypothetical protein ARMGADRAFT\_1019784, partial [Armillaria gallica] | 2.07 |
| chr09\_AA\_00325 | uncharacterized protein ARMOST\_05718 [Armillaria ostoyae] | 2.07 |
| chr05\_AA\_00812 | acid protease [Armillaria gallica] | 2.07 |
| chr10\_AA\_00441 | alpha/beta-hydrolase [Armillaria solidipes] | 2.06 |
| chr03\_AA\_00063 | hypothetical protein CYLTODRAFT\_422586 [Cylindrobasidium torrendii FP15055 ss-10] | 2.06 |
| chr08\_AA\_00313 | hypothetical protein CYLTODRAFT\_376076 [Cylindrobasidium torrendii FP15055 ss-10] | 2.06 |
| chr08\_AA\_00101 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 2.06 |
| chr07\_AA\_00616 | NA | 2.06 |
| chr03\_AA\_00188 | O-methylsterigmatocystin oxidoreductase [Termitomyces sp. J132] | 2.05 |
| chr03\_AA\_00148 | hypothetical protein CYLTODRAFT\_456087 [Cylindrobasidium torrendii FP15055 ss-10] | 2.05 |
| chr01\_AA\_00418 | aromatic compound dioxygenase [Cylindrobasidium torrendii FP15055 ss-10] | 2.05 |
| chr08\_AA\_01196 | hypothetical protein ARMGADRAFT\_1007481 [Armillaria gallica] | 2.05 |
| chr08\_AA\_00651 | related to isp4-oligopeptide transporter [Armillaria ostoyae] | 2.03 |
| chr01\_AA\_00146 | putative hydrophobin [Flammulina velutipes] | 2.03 |
| chr10\_AA\_00911 | uncharacterized protein ARMOST\_09741 [Armillaria ostoyae] | 2.02 |
| chr10\_AA\_01309 | hypothetical protein PHLCEN\_2v2282 [Phlebia centrifuga] | 2.02 |
| chr07\_AA\_00291 | uncharacterized protein ARMOST\_18337 [Armillaria ostoyae] | 2.02 |
| chr11\_AA\_00831 | hypothetical protein GYMLUDRAFT\_71628 [Gymnopus luxurians FD-317 M1] | 2.01 |
| chr08\_AA\_00716 | hypothetical protein ARMGADRAFT\_399850 [Armillaria gallica] | 2.00 |
| chr04\_AA\_00044 | NA | 2.00 |
| chr07\_AA\_00120 | hypothetical protein ARMGADRAFT\_1163980 [Armillaria gallica] | 2.00 |
| chr03\_AA\_00413 | hypothetical protein CYLTODRAFT\_491889 [Cylindrobasidium torrendii FP15055 ss-10] | 1.99 |
| chr10\_AA\_00671 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 1.98 |
| chr11\_AA\_01241 | ubiquinone biosynthesis O-methyltransferase [Cylindrobasidium torrendii FP15055 ss-10] | 1.98 |
| chr07\_AA\_00495 | hypothetical protein PLEOSDRAFT\_1114137 [Pleurotus ostreatus PC15] | 1.97 |
| chr06\_AA\_00683 | amidohydrolase [Armillaria gallica] | 1.97 |
| chr08\_AA\_00542 | hypothetical protein ARMGADRAFT\_1159894 [Armillaria gallica] | 1.96 |
| chr07\_AA\_00115 | hypothetical protein CYLTODRAFT\_357659 [Cylindrobasidium torrendii FP15055 ss-10] | 1.96 |
| chr07\_AA\_00561 | hypothetical protein ARMGADRAFT\_1031622 [Armillaria gallica] | 1.96 |
| chr08\_AA\_01032 | hypothetical protein CYLTODRAFT\_445755 [Cylindrobasidium torrendii FP15055 ss-10] | 1.96 |
| chr10\_AA\_01310 | DUF124-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.96 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | 1.96 |
| chr10\_AA\_01036 | hypothetical protein CYLTODRAFT\_401684 [Cylindrobasidium torrendii FP15055 ss-10] | 1.96 |
| chr08\_AA\_00834 | related to galactinol synthase [Armillaria ostoyae] | 1.95 |
| chr09\_AA\_00826 | hypothetical protein ARMGADRAFT\_1010212 [Armillaria gallica] | 1.94 |
| chr09\_AA\_01103 | Metallo-dependent phosphatase [Armillaria solidipes] | 1.94 |
| chr07\_AA\_01006 | enolase C-terminal domain-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.93 |
| chr11\_AA\_01099 | hypothetical protein CYLTODRAFT\_187395 [Cylindrobasidium torrendii FP15055 ss-10] | 1.93 |
| chr07\_AA\_00645 | aldehyde dehydrogenase [Armillaria gallica] | 1.93 |
| chr03\_AA\_00525 | jacalin-related lectin [Flammulina velutipes] | 1.92 |
| chr09\_AA\_00838 | cytochrome P450 [Armillaria gallica] | 1.92 |
| chr06\_AA\_00346 | hypothetical protein CVT25\_010141 [Psilocybe cyanescens] | 1.91 |
| chr10\_AA\_00584 | NA | 1.91 |
| chr03\_AA\_00259 | class I glutamine amidotransferase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.91 |
| chr08\_AA\_00577 | hypothetical protein ARMSODRAFT\_610398 [Armillaria solidipes] &gt;PBK62736.1 hypothetical protein ARMSODRAFT\_560192 [Armillaria solidipes] | 1.91 |
| chr07\_AA\_00419 | hypothetical protein CYLTODRAFT\_277105 [Cylindrobasidium torrendii FP15055 ss-10] | 1.91 |
| chr10\_AA\_00947 | hypothetical protein AZE42\_04166, partial [Rhizopogon vesiculosus] | 1.91 |
| chr08\_AA\_00018 | putative peroxiredoxin Q [Flammulina velutipes] | 1.90 |
| chr07\_AA\_00826 | Metallo-hydrolase/oxidoreductase [Armillaria gallica] | 1.89 |
| chr09\_AA\_01087 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.89 |
| chr08\_AA\_01176 | hypothetical protein HYPSUDRAFT\_61393 [Hypholoma sublateritium FD-334 SS-4] | 1.89 |
| chr11\_AA\_01549 | hypothetical protein CYLTODRAFT\_455062 [Cylindrobasidium torrendii FP15055 ss-10] | 1.89 |
| chr11\_AA\_01711 | hypothetical protein ARMGADRAFT\_1046867 [Armillaria gallica] | 1.89 |
| chr09\_AA\_01116 | hypothetical protein CYLTODRAFT\_375858 [Cylindrobasidium torrendii FP15055 ss-10] | 1.89 |
| chr11\_AA\_01188 | hypothetical protein CYLTODRAFT\_386603 [Cylindrobasidium torrendii FP15055 ss-10] | 1.89 |
| chr10\_AA\_01213 | hypothetical protein JAAARDRAFT\_210932 [Jaapia argillacea MUCL 33604] | 1.88 |
| chr08\_AA\_01259 | Aldo/keto reductase [Armillaria gallica] | 1.88 |
| chr05\_AA\_00339 | copper radical oxidase [Amanita thiersii Skay4041] | 1.87 |
| chr06\_AA\_00530 | hypothetical protein CYLTODRAFT\_373087 [Cylindrobasidium torrendii FP15055 ss-10] | 1.87 |
| chr10\_AA\_00398 | NA | 1.86 |
| chr03\_AA\_00192 | O-methylsterigmatocystin oxidoreductase [Termitomyces sp. J132] | 1.86 |
| chr11\_AA\_00265 | FAD-linked oxidoreductase [Armillaria solidipes] | 1.85 |
| chr09\_AA\_00354 | NA | 1.85 |
| chr09\_AA\_01246 | NA | 1.85 |
| chr04\_AA\_00090 | alpha/beta-hydrolase [Polyporus brumalis] | 1.85 |
| chr05\_AA\_00668 | homogentisate 1,2-dioxygenase [Armillaria solidipes] | 1.85 |
| chr11\_AA\_00076 | putative beta-glucan synthesis-associated protein [Flammulina velutipes] | 1.85 |
| chr04\_AA\_00050 | hypothetical protein CYLTODRAFT\_421179 [Cylindrobasidium torrendii FP15055 ss-10] | 1.84 |
| chr03\_AA\_00181 | chitin deacetylase [Coprinopsis cinerea okayama7#130] &gt;EAU83261.2 chitin deacetylase [Coprinopsis cinerea okayama7#130] | 1.84 |
| chr04\_AA\_00040 | ornithine aminotransferase [Cylindrobasidium torrendii FP15055 ss-10] | 1.84 |
| chr10\_AA\_01576 | D-arabinitol 2-dehydrogenase [ribulose-forming] [Hypsizygus marmoreus] | 1.84 |
| chr02\_AA\_00129 | hypothetical protein CYLTODRAFT\_366704 [Cylindrobasidium torrendii FP15055 ss-10] | 1.84 |
| chr08\_AA\_00826 | hypothetical protein PLEOSDRAFT\_1062660 [Pleurotus ostreatus PC15] | 1.83 |
| chr08\_AA\_01252 | hypothetical protein ARMGADRAFT\_1059619 [Armillaria gallica] | 1.83 |
| chr07\_AA\_00560 | hypothetical protein CYLTODRAFT\_416229 [Cylindrobasidium torrendii FP15055 ss-10] | 1.83 |
| chr11\_AA\_01644 | hypothetical protein CYLTODRAFT\_438918 [Cylindrobasidium torrendii FP15055 ss-10] | 1.83 |
| chr11\_AA\_00814 | BNR/Asp-box repeat protein [Armillaria solidipes] | 1.82 |
| chr10\_AA\_00252 | hypothetical protein CVT24\_007015 [Panaeolus cyanescens] | 1.82 |
| chr03\_AA\_00414 | putative pheromone receptor [Flammulina velutipes] | 1.82 |
| chr07\_AA\_00194 | putative GNAT family acetyltransferase [Cylindrobasidium torrendii FP15055 ss-10] | 1.81 |
| chr07\_AA\_00917 | glycosyltransferase family 69 protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.81 |
| chr07\_AA\_00666 | hypothetical protein CVT25\_013058 [Psilocybe cyanescens] | 1.81 |
| chr09\_AA\_01324 | uncharacterized protein ARMOST\_03294 [Armillaria ostoyae] | 1.80 |
| chr10\_AA\_00256 | uncharacterized protein ARMOST\_03672 [Armillaria ostoyae] | 1.80 |
| chr09\_AA\_00753 | NA | 1.80 |
| chr04\_AA\_00466 | glycosyltransferase family 90 protein [Amanita muscaria Koide BX008] | 1.79 |
| chr11\_AA\_00701 | uncharacterized protein ARMOST\_05344 [Armillaria ostoyae] | 1.79 |
| chr05\_AA\_00800 | NA | 1.79 |
| chr11\_AA\_00498 | hypothetical protein K443DRAFT\_677394 [Laccaria amethystina LaAM-08-1] | 1.78 |
| chr01\_AA\_00228 | hypothetical protein CYLTODRAFT\_424895 [Cylindrobasidium torrendii FP15055 ss-10] | 1.78 |
| chr07\_AA\_00024 | hypothetical protein CYLTODRAFT\_485887 [Cylindrobasidium torrendii FP15055 ss-10] | 1.78 |
| chr10\_AA\_01214 | NA | 1.78 |
| chr07\_AA\_00859 | hypothetical protein ARMSODRAFT\_875663 [Armillaria solidipes] | 1.78 |
| chr04\_AA\_00509 | hypothetical protein CYLTODRAFT\_397913 [Cylindrobasidium torrendii FP15055 ss-10] | 1.78 |
| chr07\_AA\_00739 | hypothetical protein CYLTODRAFT\_417357 [Cylindrobasidium torrendii FP15055 ss-10] | 1.77 |
| chr07\_AA\_00907 | uncharacterized protein ARMOST\_00985 [Armillaria ostoyae] | 1.77 |
| chr06\_AA\_00308 | hypothetical protein CYLTODRAFT\_397357 [Cylindrobasidium torrendii FP15055 ss-10] | 1.77 |
| chr11\_AA\_01636 | hypothetical protein CYLTODRAFT\_421880 [Cylindrobasidium torrendii FP15055 ss-10] | 1.77 |
| chr08\_AA\_00106 | hypothetical protein ARMGADRAFT\_100162 [Armillaria gallica] | 1.75 |
| chr05\_AA\_00841 | hypothetical protein CYLTODRAFT\_372585 [Cylindrobasidium torrendii FP15055 ss-10] | 1.75 |
| chr07\_AA\_00281 | NAD(P)-binding protein [Armillaria gallica] | 1.74 |
| chr04\_AA\_00052 | hypothetical protein CYLTODRAFT\_421165 [Cylindrobasidium torrendii FP15055 ss-10] | 1.73 |
| chr08\_AA\_01172 | carbohydrate esterase family 1 protein, partial [Cylindrobasidium torrendii FP15055 ss-10] | 1.73 |
| chr01\_AA\_00234 | related to GABA transport protein [Armillaria ostoyae] | 1.73 |
| chr08\_AA\_01026 | cytochrome P450 [Armillaria solidipes] | 1.72 |
| chr08\_AA\_00265 | peroxisomal copper amine oxidase [Armillaria solidipes] | 1.71 |
| chr11\_AA\_01106 | related to stomatin [Armillaria ostoyae] | 1.71 |
| chr10\_AA\_01390 | hypothetical protein CYLTODRAFT\_414265 [Cylindrobasidium torrendii FP15055 ss-10] | 1.71 |
| chr07\_AA\_01044 | uncharacterized protein ARMOST\_19175 [Armillaria ostoyae] | 1.71 |
| chr11\_AA\_01324 | terpenoid synthase [Cylindrobasidium torrendii FP15055 ss-10] | 1.70 |
| chr06\_AA\_00639 | actin-like ATPase domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.70 |
| chr07\_AA\_00029 | OPT-domain-containing protein [Armillaria gallica] | 1.70 |
| chr05\_AA\_00182 | NA | 1.69 |
| chr01\_AA\_00365 | related to lactonohydrolase [Armillaria ostoyae] | 1.68 |
| chr09\_AA\_00088 | uncharacterized protein ARMOST\_21406 [Armillaria ostoyae] | 1.68 |
| chr11\_AA\_01135 | hexose transporter [Armillaria gallica] | 1.68 |
| chr10\_AA\_00912 | hypothetical protein ARMSODRAFT\_948409 [Armillaria solidipes] | 1.67 |
| chr07\_AA\_01032 | glycoside hydrolase family 92 protein [Armillaria gallica] | 1.67 |
| chr07\_AA\_00201 | NA | 1.66 |
| chr05\_AA\_00152 | NA | 1.66 |
| chr09\_AA\_00009 | NA | 1.66 |
| chr11\_AA\_00027 | hypothetical protein CYLTODRAFT\_423477 [Cylindrobasidium torrendii FP15055 ss-10] | 1.66 |
| chr07\_AA\_01060 | Flavocytochrome c [Armillaria gallica] | 1.66 |
| chr09\_AA\_00473 | uncharacterized protein ARMOST\_08501 [Armillaria ostoyae] | 1.66 |
| chr07\_AA\_00274 | related to nucleoside-diphosphate-sugar epimerase family protein [Armillaria ostoyae] | 1.65 |
| chr01\_AA\_00447 | related to permeases of the major facilitator superfamily [Armillaria ostoyae] | 1.65 |
| chr07\_AA\_01018 | putative laccase 17 [Flammulina velutipes] | 1.65 |
| chr11\_AA\_01399 | NA | 1.65 |
| chr10\_AA\_01427 | NA | 1.65 |
| chr06\_AA\_00897 | hypothetical protein WG66\_4545 [Moniliophthora roreri] | 1.64 |
| chr03\_AA\_00191 | NA | 1.64 |
| chr07\_AA\_00098 | hypothetical protein ARMGADRAFT\_926019 [Armillaria gallica] | 1.64 |
| chr01\_AA\_00005 | hypothetical protein K503DRAFT\_771265 [Rhizopogon vinicolor AM-OR11-026] | 1.64 |
| chr06\_AA\_00394 | hypothetical protein PLICRDRAFT\_113002 [Plicaturopsis crispa FD-325 SS-3] | 1.64 |
| chr05\_AA\_00607 | hypothetical protein CYLTODRAFT\_458172 [Cylindrobasidium torrendii FP15055 ss-10] | 1.63 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | 1.63 |
| chr11\_AA\_01256 | uncharacterized protein ARMOST\_07146 [Armillaria ostoyae] | 1.63 |
| chr11\_AA\_00222 | glycoside hydrolase family 18 protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.63 |
| chr09\_AA\_01174 | hypothetical protein ARMSODRAFT\_1089157 [Armillaria solidipes] | 1.63 |
| chr05\_AA\_00112 | hypothetical protein STEHIDRAFT\_155150 [Stereum hirsutum FP-91666 SS1] &gt;EIM87778.1 hypothetical protein STEHIDRAFT\_155150 [Stereum hirsutum FP-91666 SS1] | 1.62 |
| chr07\_AA\_00457 | uncharacterized protein ARMOST\_00617 [Armillaria ostoyae] | 1.62 |
| chr11\_AA\_01733 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.62 |
| chr09\_AA\_01024 | putative peroxysomal citrate synthase [Flammulina velutipes] | 1.62 |
| chr01\_AA\_00217 | NA | 1.61 |
| chr11\_AA\_00300 | NA | 1.61 |
| chr07\_AA\_00773 | uncharacterized protein ARMOST\_00939 [Armillaria ostoyae] | 1.61 |
| chr09\_AA\_00724 | hypothetical protein A7U60\_g7603 [Sanghuangporus baumii] | 1.61 |
| chr10\_AA\_01032 | hypothetical protein CYLTODRAFT\_408716 [Cylindrobasidium torrendii FP15055 ss-10] | 1.61 |
| chr10\_AA\_00164 | dehydrogenase E1 and transketolase domain-containing protein 1 [Cylindrobasidium torrendii FP15055 ss-10] | 1.61 |
| chr01\_AA\_00479 | uncharacterized protein ARMOST\_12330 [Armillaria ostoyae] | 1.60 |
| chr06\_AA\_00670 | NA | 1.60 |
| chr11\_AA\_00752 | hypothetical protein ARMGADRAFT\_1159005 [Armillaria gallica] | 1.59 |
| chr08\_AA\_00856 | cytochrome p450 [Moniliophthora roreri MCA 2997] | 1.59 |
| chr11\_AA\_01115 | probable Delta-1-pyrroline-5-carboxylate dehydrogenase [Armillaria ostoyae] | 1.59 |
| chr11\_AA\_01313 | hypothetical protein Hypma\_000372 [Hypsizygus marmoreus] | 1.59 |
| chr11\_AA\_00670 | hypothetical protein ARMSODRAFT\_956526 [Armillaria solidipes] &gt;SJL02113.1 uncharacterized protein ARMOST\_05437 [Armillaria ostoyae] | 1.58 |
| chr07\_AA\_00827 | hypothetical protein LENED\_003150 [Lentinula edodes] | 1.58 |
| chr05\_AA\_00423 | Geranylgeranyl transferase type-2 subunit beta [Grifola frondosa] | 1.58 |
| chr11\_AA\_00504 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 1.57 |
| chr07\_AA\_01003 | Pkinase-domain-containing protein [Armillaria gallica] | 1.56 |
| chr08\_AA\_01071 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 1.56 |
| chr03\_AA\_00411 | STE-domain-containing protein [Armillaria solidipes] | 1.56 |
| chr11\_AA\_01622 | uncharacterized protein ARMOST\_13792 [Armillaria ostoyae] | 1.56 |
| chr11\_AA\_01015 | acid protease [Armillaria gallica] | 1.56 |
| chr08\_AA\_00847 | acetyl-CoA synthetase-like protein [Armillaria solidipes] | 1.56 |
| chr08\_AA\_00501 | hypothetical protein CYLTODRAFT\_416851 [Cylindrobasidium torrendii FP15055 ss-10] | 1.55 |
| chr10\_AA\_00996 | photo-regulated tyrosinase [Armillaria solidipes] | 1.55 |
| chr05\_AA\_00473 | hypothetical protein CYLTODRAFT\_449880 [Cylindrobasidium torrendii FP15055 ss-10] | 1.55 |
| chr11\_AA\_01732 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.55 |
| chr01\_AA\_00488 | acid protease [Armillaria gallica] | 1.55 |
| chr11\_AA\_01609 | uncharacterized protein ARMOST\_13777 [Armillaria ostoyae] | 1.54 |
| chr05\_AA\_00425 | copper radical oxidase [Cylindrobasidium torrendii FP15055 ss-10] | 1.54 |
| chr11\_AA\_00145 | hypothetical protein CYLTODRAFT\_243491 [Cylindrobasidium torrendii FP15055 ss-10] | 1.54 |
| chr03\_AA\_00376 | uncharacterized protein ARMOST\_10275 [Armillaria ostoyae] | 1.54 |
| chr09\_AA\_00055 | Pyranose dehydrogenase 3 [Hypsizygus marmoreus] | 1.53 |
| chr10\_AA\_01442 | NA | 1.53 |
| chr05\_AA\_00481 | hypothetical protein CYLTODRAFT\_424727 [Cylindrobasidium torrendii FP15055 ss-10] | 1.53 |
| chr07\_AA\_01008 | cytochrome P450 [Armillaria solidipes] | 1.53 |
| chr11\_AA\_00580 | putative laccase 6 [Flammulina velutipes] &gt;AIW01081.1 laccase [Flammulina velutipes] | 1.53 |
| chr03\_AA\_00230 | hypothetical protein CYLTODRAFT\_457867 [Cylindrobasidium torrendii FP15055 ss-10] | 1.52 |
| chr08\_AA\_01215 | hypothetical protein ARMSODRAFT\_1014129 [Armillaria solidipes] &gt;SJL07826.1 uncharacterized protein ARMOST\_11178 [Armillaria ostoyae] | 1.52 |
| chr06\_AA\_00237 | acyl-CoA dehydrogenase NM domain-like protein, partial [Armillaria solidipes] | 1.52 |
| chr08\_AA\_00383 | NAD(P)-binding protein [Armillaria gallica] | 1.52 |
| chr07\_AA\_00203 | NA | 1.52 |
| chr08\_AA\_00936 | MFS general substrate transporter [Armillaria gallica] | 1.52 |
| chr10\_AA\_00651 | hypothetical protein ARMGADRAFT\_897215, partial [Armillaria gallica] | 1.51 |
| chr01\_AA\_00076 | FUN34 transmembrane protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.51 |
| chr08\_AA\_01175 | hypothetical protein HYPSUDRAFT\_61393 [Hypholoma sublateritium FD-334 SS-4] | 1.50 |
| chr01\_AA\_00227 | NA | 1.50 |
| chr11\_AA\_01078 | hypothetical protein CYLTODRAFT\_371110, partial [Cylindrobasidium torrendii FP15055 ss-10] | 1.50 |
| chr11\_AA\_01665 | NA | 1.50 |
| chr09\_AA\_00860 | glycosyltransferase family 90 protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.50 |
| chr09\_AA\_00880 | Pkinase-domain-containing protein [Armillaria solidipes] | 1.49 |
| chr09\_AA\_00704 | hypothetical protein ARMGADRAFT\_1157373 [Armillaria gallica] &gt;SJL10003.1 uncharacterized protein ARMOST\_13385 [Armillaria ostoyae] | 1.49 |
| chr07\_AA\_00817 | DNA glycosylase [Cylindrobasidium torrendii FP15055 ss-10] | 1.49 |
| chr03\_AA\_00412 | NA | 1.49 |
| chr06\_AA\_00426 | hypothetical protein ARMGADRAFT\_984775 [Armillaria gallica] | 1.49 |
| chr08\_AA\_01183 | hypothetical protein ARMSODRAFT\_937831 [Armillaria solidipes] | 1.48 |
| chr09\_AA\_01129 | cytochrome P450 [Armillaria gallica] | 1.48 |
| chr08\_AA\_01040 | hypothetical protein A0H81\_13690 [Grifola frondosa] | 1.48 |
| chr11\_AA\_00495 | hypothetical protein ARMSODRAFT\_946498 [Armillaria solidipes] | 1.48 |
| chr09\_AA\_00182 | uncharacterized protein ARMOST\_20181 [Armillaria ostoyae] | 1.48 |
| chr09\_AA\_01392 | aldolase [Armillaria gallica] | 1.47 |
| chr10\_AA\_01509 | hypothetical protein ARMSODRAFT\_309875 [Armillaria solidipes] | 1.47 |
| chr09\_AA\_01410 | hypothetical protein CYLTODRAFT\_489277 [Cylindrobasidium torrendii FP15055 ss-10] | 1.47 |
| chr01\_AA\_00120 | aldehyde dehydrogenase [Armillaria solidipes] &gt;SJL12506.1 probable Aldehyde dehydrogenase [Armillaria ostoyae] | 1.46 |
| chr11\_AA\_01445 | hypothetical protein ARMSODRAFT\_950555 [Armillaria solidipes] &gt;SJL10115.1 uncharacterized protein ARMOST\_13499 [Armillaria ostoyae] | 1.46 |
| chr08\_AA\_00612 | NA | 1.46 |
| chr08\_AA\_00287 | hypothetical protein PLICRDRAFT\_118622 [Plicaturopsis crispa FD-325 SS-3] | 1.46 |
| chr01\_AA\_00268 | ubiquitin family protein [Moniliophthora roreri MCA 2997] &gt;KTB31855.1 hypothetical protein WG66\_15567 [Moniliophthora roreri] | 1.45 |
| chr03\_AA\_00179 | 6-phosphogluconate dehydrogenase C-terminal domain-like protein [Fistulina hepatica ATCC 64428] | 1.45 |
| chr02\_AA\_00284 | alcohol dehydrogenase [Armillaria solidipes] | 1.45 |
| chr07\_AA\_00951 | acyl-CoA dehydrogenase domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.45 |
| chr08\_AA\_01008 | NA | 1.45 |
| chr10\_AA\_01341 | glucuronyl hydrolase [Armillaria solidipes] | 1.45 |
| chr09\_AA\_01058 | hypothetical protein ARMSODRAFT\_976614 [Armillaria solidipes] | 1.44 |
| chr07\_AA\_01000 | hypothetical protein CYLTODRAFT\_445440 [Cylindrobasidium torrendii FP15055 ss-10] | 1.44 |
| chr01\_AA\_00445 | NA | 1.44 |
| chr11\_AA\_00653 | xylitol dehydrogenase [Armillaria gallica] | 1.44 |
| chr09\_AA\_00859 | uncharacterized protein ARMOST\_13189 [Armillaria ostoyae] | 1.44 |
| chr08\_AA\_00713 | biotin synthase [Armillaria gallica] | 1.43 |
| chr09\_AA\_00139 | hypothetical protein CYLTODRAFT\_424555 [Cylindrobasidium torrendii FP15055 ss-10] | 1.43 |
| chr01\_AA\_00484 | NA | 1.43 |
| chr07\_AA\_01089 | cysteine proteinase [Cylindrobasidium torrendii FP15055 ss-10] | 1.42 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | 1.42 |
| chr05\_AA\_00865 | hypothetical protein CYLTODRAFT\_450275 [Cylindrobasidium torrendii FP15055 ss-10] | 1.41 |
| chr01\_AA\_00360 | P-loop containing nucleoside triphosphate hydrolase protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.41 |
| chr10\_AA\_00148 | sulfate permease [Cylindrobasidium torrendii FP15055 ss-10] | 1.40 |
| chr08\_AA\_01149 | hypothetical protein ARMSODRAFT\_965063 [Armillaria solidipes] | 1.40 |
| chr01\_AA\_00301 | manganese and iron superoxide dismutase [Cylindrobasidium torrendii FP15055 ss-10] | 1.40 |
| chr04\_AA\_00046 | hypothetical protein PILCRDRAFT\_3731 [Piloderma croceum F 1598] | 1.39 |
| chr11\_AA\_01321 | hypothetical protein CYLTODRAFT\_423832 [Cylindrobasidium torrendii FP15055 ss-10] | 1.39 |
| chr01\_AA\_00369 | sugar transporter [Cylindrobasidium torrendii FP15055 ss-10] | 1.38 |
| chr04\_AA\_00481 | putative flavonol reductase/cinnamoyl-CoA reductase [Flammulina velutipes] | 1.38 |
| chr10\_AA\_00616 | hypothetical protein ARMGADRAFT\_1012740 [Armillaria gallica] | 1.38 |
| chr11\_AA\_00042 | kinase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.38 |
| chr08\_AA\_01069 | alpha/beta-hydrolase [Armillaria solidipes] | 1.38 |
| chr08\_AA\_01114 | hypothetical protein CYLTODRAFT\_399177 [Cylindrobasidium torrendii FP15055 ss-10] | 1.37 |
| chr07\_AA\_00055 | metallopeptidase M36 [Flammulina velutipes] | 1.37 |
| chr11\_AA\_00277 | uncharacterized protein ARMOST\_10602 [Armillaria ostoyae] | 1.37 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | 1.37 |
| chr08\_AA\_01155 | related to 3-oxoacyl CoA thiolase [Armillaria ostoyae] | 1.37 |
| chr10\_AA\_00699 | hypothetical protein ARMSODRAFT\_873731 [Armillaria solidipes] | 1.37 |
| chr09\_AA\_01141 | hypothetical protein ARMGADRAFT\_1063089 [Armillaria gallica] | 1.37 |
| chr01\_AA\_00426 | hypothetical protein CYLTODRAFT\_371735 [Cylindrobasidium torrendii FP15055 ss-10] | 1.36 |
| chr10\_AA\_01591 | hypothetical protein AGABI2DRAFT\_179892 [Agaricus bisporus var. bisporus H97] &gt;EKV45447.1 hypothetical protein AGABI2DRAFT\_179892 [Agaricus bisporus var. bisporus H97] | 1.36 |
| chr03\_AA\_00240 | hypothetical protein CYLTODRAFT\_426591 [Cylindrobasidium torrendii FP15055 ss-10] | 1.36 |
| chr01\_AA\_00121 | hypothetical protein CYLTODRAFT\_28398 [Cylindrobasidium torrendii FP15055 ss-10] | 1.36 |
| chr06\_AA\_00927 | Clavaminate synthase-like protein [Armillaria solidipes] | 1.36 |
| chr07\_AA\_00159 | FAD-binding domain-containing protein [Armillaria solidipes] | 1.35 |
| chr11\_AA\_01664 | hypothetical protein CYLTODRAFT\_421876 [Cylindrobasidium torrendii FP15055 ss-10] | 1.35 |
| chr07\_AA\_00772 | related to Allantoinase [Armillaria ostoyae] | 1.35 |
| chr10\_AA\_00517 | hypothetical protein CYLTODRAFT\_256211 [Cylindrobasidium torrendii FP15055 ss-10] | 1.34 |
| chr11\_AA\_00638 | hypothetical protein ARMSODRAFT\_953107 [Armillaria solidipes] | 1.34 |
| chr11\_AA\_00534 | sugar transporter [Cylindrobasidium torrendii FP15055 ss-10] | 1.34 |
| chr07\_AA\_01096 | hypothetical protein CYLTODRAFT\_212928 [Cylindrobasidium torrendii FP15055 ss-10] | 1.33 |
| chr05\_AA\_00156 | hypothetical protein Moror\_2973 [Moniliophthora roreri MCA 2997] &gt;KTB44036.1 hypothetical protein WG66\_3386 [Moniliophthora roreri] | 1.33 |
| chr06\_AA\_00669 | glycoside hydrolase family 47 protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.32 |
| chr08\_AA\_00900 | UPF0103-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.32 |
| chr11\_AA\_00896 | carboxyl transferase [Cylindrobasidium torrendii FP15055 ss-10] | 1.32 |
| chr08\_AA\_01038 | hypothetical protein CYLTODRAFT\_424885 [Cylindrobasidium torrendii FP15055 ss-10] | 1.32 |
| chr09\_AA\_01171 | uncharacterized protein ARMOST\_13025 [Armillaria ostoyae] | 1.31 |
| chr10\_AA\_00746 | hypothetical protein CYLTODRAFT\_419225 [Cylindrobasidium torrendii FP15055 ss-10] | 1.31 |
| chr11\_AA\_00819 | SAICAR synthase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.31 |
| chr01\_AA\_00277 | OPT superfamily oligopeptide transporter [Cylindrobasidium torrendii FP15055 ss-10] | 1.31 |
| chr09\_AA\_00394 | cytochrome P450 [Armillaria gallica] | 1.31 |
| chr08\_AA\_00375 | fumble [Armillaria gallica] | 1.30 |
| chr07\_AA\_00410 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | 1.30 |
| chr08\_AA\_00333 | hypothetical protein ARMGADRAFT\_916371 [Armillaria gallica] | 1.30 |
| chr10\_AA\_00790 | hypothetical protein CYLTODRAFT\_392047 [Cylindrobasidium torrendii FP15055 ss-10] | 1.30 |
| chr06\_AA\_01002 | Pkinase-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.30 |
| chr01\_AA\_00265 | hypothetical protein CYLTODRAFT\_383163 [Cylindrobasidium torrendii FP15055 ss-10] | 1.29 |
| chr09\_AA\_00874 | hypothetical protein CYLTODRAFT\_419025 [Cylindrobasidium torrendii FP15055 ss-10] | 1.29 |
| chr04\_AA\_00507 | NA | 1.27 |
| chr09\_AA\_01004 | proline iminopeptidase [Cylindrobasidium torrendii FP15055 ss-10] | 1.26 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | 1.26 |
| chr09\_AA\_00913 | general substrate transporter [Armillaria solidipes] | 1.26 |
| chr07\_AA\_00328 | PLP-dependent transferase [Cylindrobasidium torrendii FP15055 ss-10] | 1.26 |
| chr02\_AA\_00144 | hexokinase [Cylindrobasidium torrendii FP15055 ss-10] | 1.26 |
| chr11\_AA\_01530 | uncharacterized protein ARMOST\_13587 [Armillaria ostoyae] | 1.26 |
| chr07\_AA\_00756 | SAICAR synthase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.25 |
| chr11\_AA\_00784 | NAD(P)-binding protein [Armillaria solidipes] | 1.24 |
| chr09\_AA\_00352 | ClpP/crotonase [Cylindrobasidium torrendii FP15055 ss-10] | 1.24 |
| chr06\_AA\_00378 | hypothetical protein CYLTODRAFT\_421179 [Cylindrobasidium torrendii FP15055 ss-10] | 1.24 |
| chr04\_AA\_00750 | hypothetical protein PILCRDRAFT\_811913 [Piloderma croceum F 1598] | 1.24 |
| chr11\_AA\_00795 | NAD-P-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.24 |
| chr09\_AA\_00758 | NA | 1.23 |
| chr09\_AA\_00134 | Extradiol ring-cleavage dioxygenase class III enzyme subunit B [Cylindrobasidium torrendii FP15055 ss-10] | 1.23 |
| chr02\_AA\_00058 | hypothetical protein ARMSODRAFT\_706237 [Armillaria solidipes] &gt;SJL01655.1 uncharacterized protein ARMOST\_04978 [Armillaria ostoyae] | 1.23 |
| chr03\_AA\_00298 | hypothetical protein CYLTODRAFT\_458738 [Cylindrobasidium torrendii FP15055 ss-10] | 1.23 |
| chr03\_AA\_00227 | NAD-P-binding protein [Armillaria solidipes] | 1.22 |
| chr11\_AA\_01710 | hypothetical protein K443DRAFT\_681953 [Laccaria amethystina LaAM-08-1] | 1.22 |
| chr06\_AA\_00250 | hypothetical protein CYLTODRAFT\_374506 [Cylindrobasidium torrendii FP15055 ss-10] | 1.22 |
| chr06\_AA\_00511 | hypothetical protein CYLTODRAFT\_487823 [Cylindrobasidium torrendii FP15055 ss-10] | 1.22 |
| chr06\_AA\_00736 | hypothetical protein CYLTODRAFT\_486816 [Cylindrobasidium torrendii FP15055 ss-10] | 1.22 |
| chr09\_AA\_00229 | succinyl-CoA:3-ketoacid-coenzyme A transferase [Cylindrobasidium torrendii FP15055 ss-10] | 1.21 |
| chr11\_AA\_01510 | hypothetical protein ARMGADRAFT\_1015707 [Armillaria gallica] | 1.21 |
| chr09\_AA\_01248 | hypothetical protein WOLCODRAFT\_120682 [Wolfiporia cocos MD-104 SS10] | 1.21 |
| chr07\_AA\_00722 | hypothetical protein K443DRAFT\_93998 [Laccaria amethystina LaAM-08-1] | 1.21 |
| chr01\_AA\_00482 | hypothetical protein ARMGADRAFT\_1083600 [Armillaria gallica] | 1.20 |
| chr08\_AA\_00786 | NA | 1.20 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | 1.19 |
| chr03\_AA\_00407 | NA | 1.19 |
| chr11\_AA\_01042 | acetoin reductase family protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.18 |
| chr03\_AA\_00170 | zf-CSL-domain-containing protein [Armillaria solidipes] &gt;SJL06478.1 related to Diphthamide biosynthesis protein 3 [Armillaria ostoyae] | 1.18 |
| chr08\_AA\_00040 | hypothetical protein ARMSODRAFT\_958370 [Armillaria solidipes] | 1.18 |
| chr09\_AA\_00518 | AAA-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.18 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | 1.17 |
| chr05\_AA\_00197 | heterotrimeric G protein alpha subunit C [Cylindrobasidium torrendii FP15055 ss-10] | 1.16 |
| chr01\_AA\_00457 | hypothetical protein M422DRAFT\_775760, partial [Sphaerobolus stellatus SS14] | 1.16 |
| chr10\_AA\_00573 | WD40 repeat-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.15 |
| chr11\_AA\_00039 | NA | 1.15 |
| chr07\_AA\_00676 | hypothetical protein CYLTODRAFT\_397668 [Cylindrobasidium torrendii FP15055 ss-10] | 1.14 |
| chr11\_AA\_00702 | acetoacetyl-CoA synthetase [Cylindrobasidium torrendii FP15055 ss-10] | 1.13 |
| chr05\_AA\_00421 | ribosomal protein S5 domain 2-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.13 |
| chr11\_AA\_00826 | uncharacterized protein ARMOST\_05512 [Armillaria ostoyae] | 1.13 |
| chr06\_AA\_00682 | hypothetical protein HYDPIDRAFT\_112868 [Hydnomerulius pinastri MD-312] | 1.12 |
| chr10\_AA\_01365 | NA | 1.12 |
| chr07\_AA\_00288 | uncharacterized protein ARMOST\_09162 [Armillaria ostoyae] | 1.10 |
| chr07\_AA\_00380 | ectomycorrhiza-regulated esterase [Armillaria solidipes] | 1.09 |
| chr11\_AA\_01431 | hypothetical protein CYLTODRAFT\_369482 [Cylindrobasidium torrendii FP15055 ss-10] | 1.09 |
| chr10\_AA\_00353 | hypothetical protein CYLTODRAFT\_418182 [Cylindrobasidium torrendii FP15055 ss-10] | 1.08 |
| chr07\_AA\_00675 | multidrug resistance protein 1 [Armillaria gallica] | 1.08 |
| chr08\_AA\_00413 | hypothetical protein ARMGADRAFT\_391312 [Armillaria gallica] | 1.02 |

The first two rows represent gene ID and gene annotation respectively. "NA" represents no annottaion. The third row represents the value of log2(fold change) derived from average value of 1099 differentially expressed genes shared in three treated groups compared to the control group.

Supplementary Table S4. Information of 385 down-regulated genes shared in the three treated groups S1, S2 and S3 compared to the CK group.

|  |  |  |
| --- | --- | --- |
| Gene ID | Annotation | Log2 (fold change) |
| chr08\_AA\_00201 | uncharacterized protein ARMOST\_11116 [Armillaria ostoyae] | -5.72 |
| chr09\_AA\_00526 | NA | -5.41 |
| chr10\_AA\_00645 | hypothetical protein ARMGADRAFT\_1165285 [Armillaria gallica] | -5.21 |
| chr07\_AA\_01075 | hypothetical protein CYLTODRAFT\_477482 [Cylindrobasidium torrendii FP15055 ss-10] | -4.85 |
| chr11\_AA\_01325 | short chain type [Moniliophthora roreri MCA 2997] | -4.79 |
| chr03\_AA\_00311 | related to glycerol-3-phosphate dehydrogenase (NAD) [Armillaria ostoyae] | -4.77 |
| chr10\_AA\_01530 | NA | -4.60 |
| chr10\_AA\_01528 | hypothetical protein CYLTODRAFT\_446046 [Cylindrobasidium torrendii FP15055 ss-10] | -4.54 |
| chr09\_AA\_00682 | hypothetical protein CY34DRAFT\_417575 [Suillus luteus UH-Slu-Lm8-n1] | -4.45 |
| chr09\_AA\_01180 | related to Enoyl-CoA hydratase [Armillaria ostoyae] | -4.30 |
| chr10\_AA\_00930 | NA | -4.23 |
| chr03\_AA\_00312 | related to HOR2-DL-glycerol phosphatase [Armillaria ostoyae] | -4.21 |
| chr07\_AA\_00498 | NA | -4.10 |
| chr02\_AA\_00198 | NA | -4.06 |
| chr07\_AA\_01168 | putative B-(1-6) glucan synthase [Flammulina velutipes] | -4.01 |
| chr08\_AA\_00174 | NA | -3.92 |
| chr07\_AA\_00507 | NA | -3.85 |
| chr06\_AA\_00697 | glycoside hydrolase family 71 protein [Cylindrobasidium torrendii FP15055 ss-10] | -3.84 |
| chr04\_AA\_00460 | NA | -3.84 |
| chr05\_AA\_00280 | NA | -3.78 |
| chr06\_AA\_00240 | hypothetical protein GYMLUDRAFT\_279025 [Gymnopus luxurians FD-317 M1] | -3.68 |
| chr05\_AA\_00688 | terpenoid synthase [Moniliophthora roreri MCA 2997] | -3.66 |
| chr03\_AA\_00235 | NA | -3.56 |
| chr10\_AA\_01262 | hypothetical protein AURDEDRAFT\_175315 [Auricularia subglabra TFB-10046 SS5] | -3.55 |
| chr08\_AA\_01320 | hexose transporter [Cylindrobasidium torrendii FP15055 ss-10] | -3.53 |
| chr09\_AA\_00374 | peptidyl-Lys metalloendopeptidase [Armillaria gallica] | -3.47 |
| chr10\_AA\_00637 | hypothetical protein CYLTODRAFT\_492301 [Cylindrobasidium torrendii FP15055 ss-10] | -3.39 |
| chr11\_AA\_00305 | NA | -3.39 |
| chr09\_AA\_00579 | acid phosphatase/Vanadium-dependent haloperoxidase [Armillaria gallica] | -3.37 |
| chr09\_AA\_01273 | aspartic peptidase A1 [Armillaria gallica] | -3.35 |
| chr07\_AA\_00182 | NA | -3.33 |
| chr03\_AA\_00446 | NA | -3.33 |
| chr08\_AA\_00113 | uncharacterized protein ARMOST\_11486 [Armillaria ostoyae] | -3.32 |
| chr09\_AA\_01215 | calcium/proton exchanger [Cylindrobasidium torrendii FP15055 ss-10] | -3.32 |
| chr08\_AA\_00515 | hypothetical protein ARMSODRAFT\_244836 [Armillaria solidipes] | -3.30 |
| chr06\_AA\_00371 | hypothetical protein ARMGADRAFT\_1162048 [Armillaria gallica] | -3.30 |
| chr11\_AA\_00068 | hypothetical protein Moror\_972 [Moniliophthora roreri MCA 2997] &gt;KTB32292.1 hypothetical protein WG66\_15142 [Moniliophthora roreri] | -3.27 |
| chr02\_AA\_00161 | hypothetical protein ARMSODRAFT\_1002098 [Armillaria solidipes] | -3.24 |
| chr06\_AA\_00608 | glycoside hydrolase family 13 protein [Armillaria gallica] | -3.21 |
| chr10\_AA\_00976 | uncharacterized protein ARMOST\_06141 [Armillaria ostoyae] | -3.16 |
| chr05\_AA\_00546 | hypothetical protein CYLTODRAFT\_435337 [Cylindrobasidium torrendii FP15055 ss-10] | -3.16 |
| chr08\_AA\_00514 | hypothetical protein ARMGADRAFT\_1159913 [Armillaria gallica] | -3.13 |
| chr11\_AA\_01351 | ankyrin [Armillaria solidipes] | -3.13 |
| chr04\_AA\_00707 | uncharacterized protein ARMOST\_14599 [Armillaria ostoyae] | -3.12 |
| chr01\_AA\_00067 | metallo peptidase M36 [Flammulina velutipes] | -3.09 |
| chr01\_AA\_00285 | NA | -3.04 |
| chr10\_AA\_01055 | delta 9-fatty acid desaturase protein [Armillaria solidipes] | -3.01 |
| chr09\_AA\_00344 | related to SnodProt1 precursor [Armillaria ostoyae] | -3.00 |
| chr04\_AA\_00676 | hypothetical protein CYLTODRAFT\_427270 [Cylindrobasidium torrendii FP15055 ss-10] | -3.00 |
| chr05\_AA\_00180 | NA | -2.99 |
| chr02\_AA\_00063 | NA | -2.99 |
| chr09\_AA\_00247 | carboxylic acid transporter protein [Cylindrobasidium torrendii FP15055 ss-10] | -2.98 |
| chr08\_AA\_00516 | hypothetical protein ARMSODRAFT\_948657 [Armillaria solidipes] | -2.96 |
| chr11\_AA\_01388 | MFS general substrate transporter [Armillaria gallica] | -2.96 |
| chr10\_AA\_00610 | MFS general substrate transporter [Armillaria solidipes] | -2.95 |
| chr06\_AA\_00042 | putative nitrilase [Cylindrobasidium torrendii FP15055 ss-10] | -2.92 |
| chr08\_AA\_00325 | hypothetical protein ARMSODRAFT\_874491 [Armillaria solidipes] | -2.91 |
| chr10\_AA\_00351 | lysine/ornithine N-monooxygenase [Cylindrobasidium torrendii FP15055 ss-10] | -2.91 |
| chr11\_AA\_01512 | cytochrome P450 [Armillaria solidipes] | -2.89 |
| chr08\_AA\_00388 | NA | -2.84 |
| chr11\_AA\_00688 | hypothetical protein CYLTODRAFT\_365132 [Cylindrobasidium torrendii FP15055 ss-10] | -2.82 |
| chr06\_AA\_00591 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | -2.82 |
| chr05\_AA\_00859 | hypothetical protein ARMGADRAFT\_1075799 [Armillaria gallica] | -2.81 |
| chr05\_AA\_00905 | putative endo-1,4-beta-xylanase precursor [Flammulina velutipes] | -2.81 |
| chr03\_AA\_00025 | hypothetical protein M413DRAFT\_59902 [Hebeloma cylindrosporum h7] | -2.78 |
| chr06\_AA\_00714 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | -2.78 |
| chr06\_AA\_00228 | NA | -2.77 |
| chr01\_AA\_00443 | hypothetical protein GYMLUDRAFT\_35183 [Gymnopus luxurians FD-317 M1] | -2.77 |
| chr09\_AA\_01311 | phosphate permease [Cylindrobasidium torrendii FP15055 ss-10] | -2.77 |
| chr11\_AA\_00864 | uncharacterized protein ARMOST\_05667 [Armillaria ostoyae] | -2.76 |
| chr06\_AA\_00753 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | -2.76 |
| chr08\_AA\_00041 | NA | -2.75 |
| chr10\_AA\_00510 | MFS general substrate transporter [Armillaria solidipes] | -2.68 |
| chr07\_AA\_00857 | uncharacterized protein ARMOST\_01010 [Armillaria ostoyae] | -2.66 |
| chr05\_AA\_00157 | aromatic peroxygenase [Rhizoctonia solani AG-3 Rhs1AP] | -2.65 |
| chr11\_AA\_01738 | hypothetical protein PHLGIDRAFT\_119585 [Phlebiopsis gigantea 11061\_1 CR5-6] | -2.64 |
| chr08\_AA\_00247 | NA | -2.63 |
| chr08\_AA\_00169 | TPR-like protein [Armillaria solidipes] | -2.61 |
| chr09\_AA\_01310 | agmatinase [Armillaria gallica] | -2.61 |
| chr05\_AA\_00295 | glycoside hydrolase [Armillaria gallica] | -2.60 |
| chr10\_AA\_00695 | hypothetical protein GALMADRAFT\_232387 [Galerina marginata CBS 339.88] | -2.60 |
| chr10\_AA\_00379 | hypothetical protein ARMSODRAFT\_947234 [Armillaria solidipes] | -2.58 |
| chr05\_AA\_00660 | short-chain dehydrogenase [Armillaria gallica] | -2.57 |
| chr10\_AA\_01391 | FMN-linked oxidoreductase [Armillaria solidipes] | -2.52 |
| chr09\_AA\_00345 | related to SnodProt1 precursor [Armillaria ostoyae] | -2.52 |
| chr06\_AA\_00103 | 60S ribosomal protein L37 [Coprinopsis cinerea okayama7#130] &gt;EAU89987.1 ribosomal protein L37e [Coprinopsis cinerea okayama7#130] | -2.51 |
| chr09\_AA\_01175 | kinase-like protein [Armillaria solidipes] | -2.50 |
| chr01\_AA\_00489 | related to synaptic vesicle transporter SVOP and related transporters (major facilitator superfamily) [Armillaria ostoyae] | -2.49 |
| chr02\_AA\_00381 | NA | -2.49 |
| chr11\_AA\_01372 | uncharacterized protein ARMOST\_10662 [Armillaria ostoyae] | -2.48 |
| chr02\_AA\_00162 | cytochrome P450 [Armillaria solidipes] | -2.46 |
| chr11\_AA\_00526 | uncharacterized protein ARMOST\_05138 [Armillaria ostoyae] | -2.46 |
| chr06\_AA\_00249 | probable ribonucleoside-diphosphate reductase small chain [Armillaria ostoyae] | -2.45 |
| chr09\_AA\_00974 | hypothetical protein CYLTODRAFT\_422665 [Cylindrobasidium torrendii FP15055 ss-10] | -2.45 |
| chr04\_AA\_00633 | NA | -2.44 |
| chr10\_AA\_01207 | permease of the major facilitator superfamily [Cylindrobasidium torrendii FP15055 ss-10] | -2.43 |
| chr03\_AA\_00142 | NA | -2.42 |
| chr11\_AA\_01511 | related to cytochrome P450 CYP2 subfamily [Armillaria ostoyae] | -2.40 |
| chr09\_AA\_00731 | NA | -2.40 |
| chr06\_AA\_00668 | putative peptide transporter ptr2 [Hypsizygus marmoreus] | -2.39 |
| chr08\_AA\_00278 | hypothetical protein ARMGADRAFT\_995516 [Armillaria gallica] | -2.34 |
| chr06\_AA\_01007 | NA | -2.33 |
| chr11\_AA\_01366 | hypothetical protein HYDPIDRAFT\_27225 [Hydnomerulius pinastri MD-312] | -2.32 |
| chr07\_AA\_00918 | hypothetical protein CYLTODRAFT\_421928 [Cylindrobasidium torrendii FP15055 ss-10] | -2.32 |
| chr05\_AA\_00497 | hypothetical protein ARMSODRAFT\_492082 [Armillaria solidipes] | -2.29 |
| chr06\_AA\_00752 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | -2.29 |
| chr07\_AA\_00407 | uncharacterized protein ARMOST\_00605 [Armillaria ostoyae] | -2.29 |
| chr11\_AA\_01624 | aquaporin [Armillaria gallica] | -2.29 |
| chr01\_AA\_00045 | hypothetical protein CYLTODRAFT\_387229 [Cylindrobasidium torrendii FP15055 ss-10] | -2.27 |
| chr07\_AA\_00113 | uncharacterized protein ARMOST\_12460 [Armillaria ostoyae] | -2.27 |
| chr07\_AA\_01074 | hypothetical protein CYLTODRAFT\_356116 [Cylindrobasidium torrendii FP15055 ss-10] | -2.25 |
| chr11\_AA\_01323 | hypothetical protein ARMSODRAFT\_981381 [Armillaria solidipes] | -2.23 |
| chr11\_AA\_00656 | NA | -2.22 |
| chr01\_AA\_00499 | hypothetical protein ARMSODRAFT\_961651 [Armillaria solidipes] | -2.21 |
| chr05\_AA\_00685 | related to Cytidine deaminase [Armillaria ostoyae] | -2.20 |
| chr06\_AA\_00948 | hypothetical protein ARMGADRAFT\_985773 [Armillaria gallica] | -2.20 |
| chr08\_AA\_01133 | uncharacterized protein ARMOST\_08917 [Armillaria ostoyae] | -2.19 |
| chr07\_AA\_00295 | P-loop containing nucleoside triphosphate hydrolase protein [Cylindrobasidium torrendii FP15055 ss-10] | -2.18 |
| chr03\_AA\_00518 | putative pheromone receptor [Flammulina velutipes] | -2.18 |
| chr09\_AA\_00723 | Indoleamine 2,3-dioxygenase [Armillaria gallica] | -2.18 |
| chr07\_AA\_01015 | uncharacterized protein ARMOST\_16245 [Armillaria ostoyae] | -2.17 |
| chr07\_AA\_00450 | hypothetical protein CYLTODRAFT\_445037 [Cylindrobasidium torrendii FP15055 ss-10] | -2.17 |
| chr11\_AA\_01739 | NA | -2.16 |
| chr09\_AA\_00263 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | -2.16 |
| chr07\_AA\_00148 | hypothetical protein CYLTODRAFT\_427081 [Cylindrobasidium torrendii FP15055 ss-10] | -2.16 |
| chr08\_AA\_00142 | NA | -2.15 |
| chr05\_AA\_00279 | hypothetical protein ARMSODRAFT\_951210 [Armillaria solidipes] | -2.15 |
| chr10\_AA\_01388 | FMN-linked oxidoreductase [Armillaria gallica] | -2.15 |
| chr05\_AA\_00642 | NA | -2.14 |
| chr06\_AA\_00794 | heme peroxidase, partial [Cylindrobasidium torrendii FP15055 ss-10] | -2.14 |
| chr04\_AA\_00463 | related to tropinone reductase [Armillaria ostoyae] | -2.12 |
| chr07\_AA\_00639 | hypothetical protein ARMSODRAFT\_952112 [Armillaria solidipes] | -2.11 |
| chr09\_AA\_00412 | hypothetical protein CYLTODRAFT\_413158 [Cylindrobasidium torrendii FP15055 ss-10] | -2.09 |
| chr01\_AA\_00485 | NA | -2.08 |
| chr02\_AA\_00281 | NA | -2.08 |
| chr05\_AA\_00608 | kinase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | -2.07 |
| chr10\_AA\_01506 | putative cytochrome P450 [Moniliophthora roreri] | -2.07 |
| chr09\_AA\_01221 | uncharacterized protein ARMOST\_12972 [Armillaria ostoyae] | -2.07 |
| chr05\_AA\_00292 | carbohydrate esterase family 16 protein [Cylindrobasidium torrendii FP15055 ss-10] | -2.05 |
| chr11\_AA\_01672 | uncharacterized protein ARMOST\_16352 [Armillaria ostoyae] | -2.05 |
| chr03\_AA\_00244 | NAD(P)-binding protein [Armillaria solidipes] | -2.05 |
| chr01\_AA\_00161 | hypothetical protein ARMGADRAFT\_622034 [Armillaria gallica] | -2.04 |
| chr01\_AA\_00456 | NA | -2.03 |
| chr10\_AA\_01287 | uncharacterized protein ARMOST\_14737 [Armillaria ostoyae] | -2.02 |
| chr07\_AA\_01116 | NA | -2.02 |
| chr01\_AA\_00122 | polyamine transporter [Cylindrobasidium torrendii FP15055 ss-10] | -2.02 |
| chr07\_AA\_00902 | hypothetical protein ARMSODRAFT\_951934 [Armillaria solidipes] | -2.01 |
| chr08\_AA\_00647 | hypothetical protein CYLTODRAFT\_490559 [Cylindrobasidium torrendii FP15055 ss-10] | -1.99 |
| chr10\_AA\_00592 | hypothetical protein ARMGADRAFT\_827535 [Armillaria gallica] | -1.98 |
| chr11\_AA\_00975 | hypothetical protein ARMSODRAFT\_996151 [Armillaria solidipes] | -1.98 |
| chr08\_AA\_00203 | Caleosin-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.97 |
| chr10\_AA\_01556 | NA | -1.97 |
| chr10\_AA\_01105 | hypothetical protein ARMGADRAFT\_1014692 [Armillaria gallica] | -1.97 |
| chr03\_AA\_00681 | uncharacterized protein ARMOST\_04080 [Armillaria ostoyae] | -1.97 |
| chr10\_AA\_00146 | histon H1 [Flammulina velutipes] | -1.97 |
| chr10\_AA\_00636 | hypothetical protein CYLTODRAFT\_423535 [Cylindrobasidium torrendii FP15055 ss-10] | -1.97 |
| chr11\_AA\_00091 | hypothetical protein ARMGADRAFT\_1070575 [Armillaria gallica] | -1.96 |
| chr10\_AA\_00496 | hypothetical protein CYLTODRAFT\_417203 [Cylindrobasidium torrendii FP15055 ss-10] | -1.96 |
| chr09\_AA\_00339 | hypothetical protein CYLTODRAFT\_489487 [Cylindrobasidium torrendii FP15055 ss-10] | -1.96 |
| chr10\_AA\_00213 | hypothetical protein Moror\_6438 [Moniliophthora roreri MCA 2997] | -1.96 |
| chr08\_AA\_01019 | probable DNA repair protein RAD51 [Armillaria ostoyae] | -1.96 |
| chr10\_AA\_01272 | hypothetical protein GYMLUDRAFT\_88395 [Gymnopus luxurians FD-317 M1] | -1.95 |
| chr11\_AA\_00060 | uncharacterized protein ARMOST\_02888 [Armillaria ostoyae] | -1.95 |
| chr11\_AA\_00071 | NA | -1.94 |
| chr08\_AA\_00188 | hypothetical protein HYPSUDRAFT\_50744 [Hypholoma sublateritium FD-334 SS-4] | -1.94 |
| chr05\_AA\_00641 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | -1.94 |
| chr10\_AA\_00054 | uncharacterized protein ARMOST\_05030 [Armillaria ostoyae] | -1.94 |
| chr07\_AA\_01072 | hypothetical protein ARMGADRAFT\_1168847 [Armillaria gallica] | -1.93 |
| chr03\_AA\_00328 | hypothetical protein SCHCODRAFT\_231913 [Schizophyllum commune H4-8] &gt;EFJ02757.1 hypothetical protein SCHCODRAFT\_231913 [Schizophyllum commune H4-8] | -1.93 |
| chr11\_AA\_00631 | hypothetical protein ARMGADRAFT\_990224 [Armillaria gallica] | -1.92 |
| chr11\_AA\_00225 | NA | -1.92 |
| chr11\_AA\_00985 | hypothetical protein ARMSODRAFT\_956744 [Armillaria solidipes] | -1.92 |
| chr10\_AA\_00631 | sphingolipid C9-methyltransferase [Cylindrobasidium torrendii FP15055 ss-10] | -1.92 |
| chr03\_AA\_00711 | uncharacterized protein ARMOST\_06712 [Armillaria ostoyae] | -1.92 |
| chr01\_AA\_00235 | related to DNA helicase [Armillaria ostoyae] | -1.92 |
| chr09\_AA\_00193 | hypothetical protein CYLTODRAFT\_317886, partial [Cylindrobasidium torrendii FP15055 ss-10] | -1.91 |
| chr10\_AA\_01116 | hypothetical protein ARMGADRAFT\_305201 [Armillaria gallica] | -1.91 |
| chr05\_AA\_00527 | hypothetical protein NEOLEDRAFT\_1026610, partial [Neolentinus lepideus HHB14362 ss-1] | -1.91 |
| chr01\_AA\_00344 | hypothetical protein ARMGADRAFT\_1167792 [Armillaria gallica] | -1.90 |
| chr08\_AA\_00340 | NA | -1.90 |
| chr08\_AA\_00606 | hypothetical protein CYLTODRAFT\_489146 [Cylindrobasidium torrendii FP15055 ss-10] | -1.88 |
| chr09\_AA\_00225 | CDC45-like protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.88 |
| chr10\_AA\_01128 | uncharacterized protein ARMOST\_02528 [Armillaria ostoyae] | -1.87 |
| chr08\_AA\_01004 | hypothetical protein HYPSUDRAFT\_32859 [Hypholoma sublateritium FD-334 SS-4] | -1.87 |
| chr06\_AA\_00265 | NA | -1.87 |
| chr10\_AA\_01577 | uncharacterized protein ARMOST\_14840 [Armillaria ostoyae] | -1.86 |
| chr11\_AA\_01659 | hypothetical protein CYLTODRAFT\_423687 [Cylindrobasidium torrendii FP15055 ss-10] | -1.85 |
| chr11\_AA\_00876 | hypothetical protein CYLTODRAFT\_215242 [Cylindrobasidium torrendii FP15055 ss-10] | -1.85 |
| chr07\_AA\_00552 | hypothetical protein PLEOSDRAFT\_1091553 [Pleurotus ostreatus PC15] | -1.84 |
| chr08\_AA\_00883 | related to DPS1-aspartyl-tRNA synthetase, cytosolic [Armillaria ostoyae] | -1.84 |
| chr05\_AA\_00303 | hypothetical protein CYLTODRAFT\_202455 [Cylindrobasidium torrendii FP15055 ss-10] | -1.84 |
| chr08\_AA\_00465 | hypothetical protein ARMSODRAFT\_1078744 [Armillaria solidipes] | -1.83 |
| chr07\_AA\_01065 | hypothetical protein ARMGADRAFT\_1017035 [Armillaria gallica] | -1.83 |
| chr03\_AA\_00199 | NA | -1.82 |
| chr07\_AA\_01014 | hypothetical protein CYLTODRAFT\_494738 [Cylindrobasidium torrendii FP15055 ss-10] | -1.82 |
| chr11\_AA\_00852 | related to homoserine O-acetyltransferase [Armillaria ostoyae] | -1.81 |
| chr05\_AA\_00493 | mitochondrial carrier [Cylindrobasidium torrendii FP15055 ss-10] | -1.79 |
| chr11\_AA\_00226 | hypothetical protein LENED\_000613 [Lentinula edodes] | -1.77 |
| chr06\_AA\_00340 | uncharacterized protein ARMOST\_06868 [Armillaria ostoyae] | -1.77 |
| chr06\_AA\_00743 | uncharacterized protein ARMOST\_17512 [Armillaria ostoyae] | -1.76 |
| chr06\_AA\_00533 | aldo-keto reductase [Mycena chlorophos] | -1.75 |
| chr07\_AA\_00207 | uncharacterized protein ARMOST\_06588 [Armillaria ostoyae] | -1.74 |
| chr11\_AA\_00126 | hypothetical protein CVT25\_006991 [Psilocybe cyanescens] | -1.73 |
| chr05\_AA\_00444 | uncharacterized protein ARMOST\_10896 [Armillaria ostoyae] | -1.73 |
| chr09\_AA\_01314 | uncharacterized protein ARMOST\_03305 [Armillaria ostoyae] | -1.72 |
| chr07\_AA\_00424 | putative chitin synthase [Flammulina velutipes] | -1.72 |
| chr05\_AA\_00196 | uncharacterized protein ARMOST\_11068 [Armillaria ostoyae] | -1.71 |
| chr10\_AA\_00364 | related to RAD54-DNA-dependent ATPase of the Snf2p family [Armillaria ostoyae] | -1.71 |
| chr11\_AA\_00678 | hypothetical protein ARMSODRAFT\_931426 [Armillaria solidipes] | -1.71 |
| chr10\_AA\_00729 | septin ring protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.70 |
| chr04\_AA\_00269 | NA | -1.70 |
| chr10\_AA\_00688 | MFS general substrate transporter [Stereum hirsutum FP-91666 SS1] &gt;EIM91397.1 MFS general substrate transporter [Stereum hirsutum FP-91666 SS1] | -1.70 |
| chr08\_AA\_00700 | hypothetical protein CYLTODRAFT\_455891 [Cylindrobasidium torrendii FP15055 ss-10] | -1.70 |
| chr11\_AA\_00092 | kinesin-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.69 |
| chr07\_AA\_00480 | hypothetical protein CVT25\_015028 [Psilocybe cyanescens] | -1.69 |
| chr09\_AA\_00967 | related to fatty acid synthase, beta and alpha chains [Armillaria ostoyae] | -1.69 |
| chr08\_AA\_00920 | hypothetical protein ARMSODRAFT\_1079374 [Armillaria solidipes] | -1.68 |
| chr08\_AA\_00952 | hypothetical protein ARMSODRAFT\_949138 [Armillaria solidipes] | -1.68 |
| chr03\_AA\_00676 | primordium development defect 1 [Flammulina velutipes] | -1.68 |
| chr03\_AA\_00098 | hypothetical protein CYLTODRAFT\_318169, partial [Cylindrobasidium torrendii FP15055 ss-10] | -1.68 |
| chr10\_AA\_01311 | putative histone H2A-1 [Cylindrobasidium torrendii FP15055 ss-10] | -1.68 |
| chr07\_AA\_00133 | PALP-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.67 |
| chr05\_AA\_00404 | cytochrome P450 [Armillaria solidipes] | -1.67 |
| chr01\_AA\_00416 | hypothetical protein CYLTODRAFT\_388873 [Cylindrobasidium torrendii FP15055 ss-10] | -1.67 |
| chr11\_AA\_01533 | hypothetical protein AMATHDRAFT\_60323 [Amanita thiersii Skay4041] | -1.66 |
| chr01\_AA\_00163 | putative laccase 2 [Flammulina velutipes] | -1.65 |
| chr09\_AA\_00561 | cytochrome P450 [Armillaria gallica] | -1.65 |
| chr08\_AA\_00747 | NA | -1.65 |
| chr03\_AA\_00234 | Aldo/keto reductase [Armillaria gallica] | -1.65 |
| chr05\_AA\_00250 | hypothetical protein STEHIDRAFT\_98286 [Stereum hirsutum FP-91666 SS1] &gt;EIM85978.1 hypothetical protein STEHIDRAFT\_98286 [Stereum hirsutum FP-91666 SS1] | -1.65 |
| chr08\_AA\_00402 | hypothetical protein CYLTODRAFT\_416993 [Cylindrobasidium torrendii FP15055 ss-10] | -1.65 |
| chr09\_AA\_00430 | FAD/NAD(P)-binding domain-containing protein [Armillaria gallica] | -1.65 |
| chr07\_AA\_00336 | mitochondrial carrier [Armillaria gallica] | -1.64 |
| chr05\_AA\_00830 | putative pheromone receptor [Flammulina velutipes] | -1.64 |
| chr10\_AA\_00129 | DUF537-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.64 |
| chr08\_AA\_01170 | probable ribose-5-phosphate isomerase [Armillaria ostoyae] | -1.63 |
| chr06\_AA\_00914 | hypothetical protein GYMLUDRAFT\_44733 [Gymnopus luxurians FD-317 M1] | -1.63 |
| chr09\_AA\_01090 | hypothetical protein CYLTODRAFT\_408042 [Cylindrobasidium torrendii FP15055 ss-10] | -1.63 |
| chr07\_AA\_01016 | hypothetical protein CYLTODRAFT\_494738 [Cylindrobasidium torrendii FP15055 ss-10] | -1.63 |
| chr07\_AA\_00726 | hypothetical protein CYLTODRAFT\_342910 [Cylindrobasidium torrendii FP15055 ss-10] | -1.63 |
| chr10\_AA\_01356 | hypothetical protein PLEOSDRAFT\_158699 [Pleurotus ostreatus PC15] | -1.63 |
| chr09\_AA\_00878 | uncharacterized protein ARMOST\_13194 [Armillaria ostoyae] | -1.62 |
| chr07\_AA\_00153 | NA | -1.61 |
| chr08\_AA\_00014 | putative peroxiredoxin Q [Flammulina velutipes] | -1.61 |
| chr08\_AA\_00648 | kinesin-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.61 |
| chr11\_AA\_00693 | alpha-ketoacid dehydrogenase kinase [Armillaria gallica] | -1.60 |
| chr09\_AA\_00966 | Gtr1/RagA G protein Gtr2 [Cylindrobasidium torrendii FP15055 ss-10] | -1.60 |
| chr06\_AA\_00664 | hypothetical protein CYLTODRAFT\_440959 [Cylindrobasidium torrendii FP15055 ss-10] | -1.60 |
| chr08\_AA\_00956 | hypothetical protein CYLTODRAFT\_389979 [Cylindrobasidium torrendii FP15055 ss-10] | -1.60 |
| chr05\_AA\_00594 | alpha/beta-hydrolase [Armillaria gallica] | -1.59 |
| chr10\_AA\_01183 | pleiotropic drug resistance ABC transporter [Cylindrobasidium torrendii FP15055 ss-10] | -1.59 |
| chr10\_AA\_00285 | hypothetical protein ARMGADRAFT\_989033 [Armillaria gallica] | -1.59 |
| chr07\_AA\_00051 | uncharacterized protein ARMOST\_00188 [Armillaria ostoyae] | -1.58 |
| chr10\_AA\_00629 | hypothetical protein ARMGADRAFT\_948479 [Armillaria gallica] | -1.58 |
| chr10\_AA\_00283 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | -1.58 |
| chr11\_AA\_01063 | RNA-binding domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.58 |
| chr09\_AA\_00277 | hypothetical protein ARMSODRAFT\_962094 [Armillaria solidipes] | -1.58 |
| chr08\_AA\_00599 | DHS-like NAD/FAD-binding domain-containing protein [Armillaria solidipes] | -1.56 |
| chr04\_AA\_00455 | hypothetical protein CYLTODRAFT\_454483 [Cylindrobasidium torrendii FP15055 ss-10] | -1.56 |
| chr10\_AA\_00528 | 40S ribosomal protein S12 [Armillaria gallica] &gt;SJL00780.1 probable 40S ribosomal protein S12 [Armillaria ostoyae] | -1.54 |
| chr06\_AA\_00595 | cytosine-5--methyltransferase [Cylindrobasidium torrendii FP15055 ss-10] | -1.54 |
| chr08\_AA\_00255 | related to NADP+-dependent malic enzyme [Armillaria ostoyae] | -1.54 |
| chr10\_AA\_00280 | uncharacterized protein ARMOST\_03698 [Armillaria ostoyae] | -1.54 |
| chr11\_AA\_00602 | hypothetical protein CYLTODRAFT\_389217 [Cylindrobasidium torrendii FP15055 ss-10] | -1.54 |
| chr10\_AA\_01472 | histone H2A [Armillaria gallica] | -1.53 |
| chr10\_AA\_00191 | probable TRP2-anthranilate synthase component I [Armillaria ostoyae] | -1.53 |
| chr08\_AA\_00116 | hypothetical protein ARMSODRAFT\_945289 [Armillaria solidipes] | -1.52 |
| chr03\_AA\_00106 | hypothetical protein ARMGADRAFT\_528752 [Armillaria gallica] | -1.52 |
| chr09\_AA\_00853 | NA | -1.51 |
| chr06\_AA\_00641 | related to DNA repair and recombination protein pif1, mitochondrial precursor [Armillaria ostoyae] | -1.51 |
| chr06\_AA\_00415 | terpenoid synthase [Cylindrobasidium torrendii FP15055 ss-10] | -1.50 |
| chr05\_AA\_00526 | hypothetical protein CYLTODRAFT\_419050 [Cylindrobasidium torrendii FP15055 ss-10] | -1.50 |
| chr05\_AA\_00420 | hypothetical protein GALMADRAFT\_138969 [Galerina marginata CBS 339.88] | -1.50 |
| chr08\_AA\_00789 | hypothetical protein HYPSUDRAFT\_75704 [Hypholoma sublateritium FD-334 SS-4] | -1.49 |
| chr07\_AA\_00920 | hypothetical protein CYLTODRAFT\_399491 [Cylindrobasidium torrendii FP15055 ss-10] | -1.49 |
| chr10\_AA\_01212 | FAD/NAD(P)-binding domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.48 |
| chr08\_AA\_00887 | translation elongation factor Tu [Lentinula edodes] | -1.48 |
| chr10\_AA\_00204 | hypothetical protein CYLTODRAFT\_493277 [Cylindrobasidium torrendii FP15055 ss-10] | -1.48 |
| chr08\_AA\_01020 | hypothetical protein ARMGADRAFT\_983908 [Armillaria gallica] | -1.47 |
| chr11\_AA\_00053 | hypothetical protein ARMSODRAFT\_300619 [Armillaria solidipes] | -1.47 |
| chr04\_AA\_00286 | hypothetical protein CYLTODRAFT\_452090 [Cylindrobasidium torrendii FP15055 ss-10] | -1.47 |
| chr08\_AA\_00748 | WD40 repeat-like protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.46 |
| chr05\_AA\_00348 | UbiE/COQ5 methyltransferase [Cylindrobasidium torrendii FP15055 ss-10] | -1.46 |
| chr05\_AA\_00305 | alpha/beta-hydrolase [Armillaria solidipes] | -1.45 |
| chr06\_AA\_00396 | hypothetical protein PLICRDRAFT\_56844 [Plicaturopsis crispa FD-325 SS-3] | -1.45 |
| chr11\_AA\_00304 | hypothetical protein DAEQUDRAFT\_660381, partial [Daedalea quercina L-15889] | -1.45 |
| chr06\_AA\_00636 | hypothetical protein CYLTODRAFT\_440945 [Cylindrobasidium torrendii FP15055 ss-10] | -1.45 |
| chr11\_AA\_01004 | serine peptidase S28 [Flammulina velutipes] | -1.44 |
| chr08\_AA\_00946 | PIN domain-like protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.44 |
| chr09\_AA\_00965 | SPX-domain-containing protein [Armillaria gallica] | -1.43 |
| chr07\_AA\_00870 | HAD-superfamily hydrolase [Armillaria solidipes] | -1.43 |
| chr10\_AA\_00652 | hypothetical protein M413DRAFT\_44499, partial [Hebeloma cylindrosporum h7] | -1.43 |
| chr09\_AA\_01117 | hypothetical protein CVT26\_002629 [Gymnopilus dilepis] | -1.43 |
| chr03\_AA\_00152 | hypothetical protein CYLTODRAFT\_487517 [Cylindrobasidium torrendii FP15055 ss-10] | -1.43 |
| chr10\_AA\_00691 | uncharacterized protein ARMOST\_11173 [Armillaria ostoyae] | -1.42 |
| chr08\_AA\_00085 | putative peroxiredoxin Q [Flammulina velutipes] | -1.42 |
| chr11\_AA\_00127 | putative pectate lyase D, partial [Leucoagaricus sp. SymC.cos] | -1.42 |
| chr09\_AA\_00259 | hypothetical protein ARMSODRAFT\_989925 [Armillaria solidipes] &gt;SJL04724.1 uncharacterized protein ARMOST\_08094 [Armillaria ostoyae] | -1.42 |
| chr11\_AA\_01121 | hypothetical protein CYLTODRAFT\_488150 [Cylindrobasidium torrendii FP15055 ss-10] | -1.42 |
| chr11\_AA\_00735 | hypothetical protein PAXINDRAFT\_166311 [Paxillus involutus ATCC 200175] | -1.40 |
| chr11\_AA\_01536 | hypothetical protein Moror\_3774 [Moniliophthora roreri MCA 2997] | -1.40 |
| chr07\_AA\_00652 | putative UTP--glucose-1-phosphate uridylyltransferase [Hypsizygus marmoreus] | -1.39 |
| chr11\_AA\_01067 | related to PGC1-phosphatidyl glycerol phospholipase C [Armillaria ostoyae] | -1.39 |
| chr08\_AA\_00987 | cell division control/GTP binding protein [Laccaria bicolor S238N-H82] &gt;EDR15555.1 cell division control/GTP binding protein [Laccaria bicolor S238N-H82] | -1.39 |
| chr08\_AA\_00922 | GNS1/SUR4 membrane protein, partial [Cylindrobasidium torrendii FP15055 ss-10] | -1.39 |
| chr07\_AA\_00418 | hypothetical protein AURDEDRAFT\_147076 [Auricularia subglabra TFB-10046 SS5] | -1.38 |
| chr09\_AA\_00254 | PLC-like phosphodiesterase [Armillaria solidipes] | -1.38 |
| chr10\_AA\_01594 | WD40 repeat-like protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.38 |
| chr09\_AA\_00533 | Nop domain-containing protein [Armillaria gallica] | -1.38 |
| chr08\_AA\_00373 | hypothetical protein ARMSODRAFT\_969464 [Armillaria solidipes] | -1.38 |
| chr10\_AA\_01574 | hypothetical protein CYLTODRAFT\_492309 [Cylindrobasidium torrendii FP15055 ss-10] | -1.38 |
| chr06\_AA\_00409 | OPT oligopeptide transporter [Armillaria gallica] | -1.37 |
| chr10\_AA\_00121 | alpha beta-hydrolase [Armillaria gallica] | -1.37 |
| chr06\_AA\_00339 | DUF1212-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.37 |
| chr10\_AA\_00284 | hypothetical protein ARMGADRAFT\_1010402 [Armillaria gallica] | -1.37 |
| chr09\_AA\_01218 | hypothetical protein CYLTODRAFT\_388706 [Cylindrobasidium torrendii FP15055 ss-10] | -1.37 |
| chr08\_AA\_00710 | hypothetical protein ARMGADRAFT\_957046 [Armillaria gallica] | -1.36 |
| chr06\_AA\_00980 | chitin deacetylase [Armillaria gallica] | -1.36 |
| chr10\_AA\_00262 | hypothetical protein CYLTODRAFT\_81489 [Cylindrobasidium torrendii FP15055 ss-10] | -1.35 |
| chr07\_AA\_00173 | peptidyl-tRNA hydrolase [Cylindrobasidium torrendii FP15055 ss-10] | -1.35 |
| chr11\_AA\_00197 | hypothetical protein CERSUDRAFT\_116953 [Gelatoporia subvermispora B] | -1.34 |
| chr09\_AA\_01403 | uncharacterized protein ARMOST\_01927 [Armillaria ostoyae] | -1.34 |
| chr07\_AA\_00539 | hypothetical protein CYLTODRAFT\_416196 [Cylindrobasidium torrendii FP15055 ss-10] | -1.34 |
| chr09\_AA\_00891 | hypothetical protein CYLTODRAFT\_438015 [Cylindrobasidium torrendii FP15055 ss-10] | -1.34 |
| chr10\_AA\_00128 | hypothetical protein CYLTODRAFT\_427543 [Cylindrobasidium torrendii FP15055 ss-10] | -1.34 |
| chr05\_AA\_00125 | hypothetical protein ARMGADRAFT\_1052356 [Armillaria gallica] | -1.34 |
| chr05\_AA\_00548 | hypothetical protein CYLTODRAFT\_451099 [Cylindrobasidium torrendii FP15055 ss-10] | -1.33 |
| chr05\_AA\_00450 | hypothetical protein GYMLUDRAFT\_74308 [Gymnopus luxurians FD-317 M1] | -1.33 |
| chr11\_AA\_01684 | hypothetical protein SERLADRAFT\_479913 [Serpula lacrymans var. lacrymans S7.9] &gt;EGN94040.1 hypothetical protein SERLA73DRAFT\_189201 [Serpula lacrymans var. lacrymans S7.3] &gt;EGO19389.1 hypothetical protein SERLADRAFT\_479913 [Serpula lacrymans var. lacrymans S7.9] | -1.32 |
| chr04\_AA\_00285 | probable CDC31-spindle pole body component, centrin [Armillaria ostoyae] | -1.32 |
| chr04\_AA\_00335 | proliferating cell nuclear antigen [Armillaria gallica] | -1.32 |
| chr11\_AA\_00207 | NA | -1.31 |
| chr05\_AA\_00282 | NA | -1.31 |
| chr03\_AA\_00327 | glycosyltransferase family 3 protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.30 |
| chr11\_AA\_01694 | urea transporter [Laccaria bicolor S238N-H82] &gt;EDR10274.1 urea transporter [Laccaria bicolor S238N-H82] | -1.30 |
| chr06\_AA\_00650 | arginyl-tRNA synthetase [Cylindrobasidium torrendii FP15055 ss-10] | -1.30 |
| chr04\_AA\_00336 | hypothetical protein CYLTODRAFT\_409767 [Cylindrobasidium torrendii FP15055 ss-10] | -1.29 |
| chr03\_AA\_00177 | hypothetical protein ARMGADRAFT\_1075117 [Armillaria gallica] | -1.29 |
| chr07\_AA\_00421 | kinase-like protein [Armillaria gallica] | -1.29 |
| chr11\_AA\_01608 | hypothetical protein ARMGADRAFT\_1067232 [Armillaria gallica] | -1.28 |
| chr08\_AA\_00756 | hypothetical protein CVT24\_006050 [Panaeolus cyanescens] | -1.28 |
| chr01\_AA\_00412 | P-loop containing nucleoside triphosphate hydrolase protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.27 |
| chr05\_AA\_00606 | beta-glucan synthesis-associated protein [Armillaria gallica] | -1.27 |
| chr06\_AA\_00962 | hypothetical protein ARMGADRAFT\_959585 [Armillaria gallica] &gt;SJL13756.1 probable Rpc11-DNA-directed RNA polymerase III subunit C11 [Armillaria ostoyae] | -1.26 |
| chr02\_AA\_00258 | FAD/NAD(P)-binding domain-containing protein [Armillaria solidipes] | -1.26 |
| chr11\_AA\_01461 | ricin B-like lectin [Armillaria gallica] | -1.25 |
| chr03\_AA\_00383 | hypothetical protein CYLTODRAFT\_422417 [Cylindrobasidium torrendii FP15055 ss-10] | -1.24 |
| chr02\_AA\_00145 | predicted protein [Mycena chlorophos] | -1.24 |
| chr01\_AA\_00056 | hypothetical protein ARMSODRAFT\_944675 [Armillaria solidipes] | -1.24 |
| chr01\_AA\_00057 | hypothetical protein ARMGADRAFT\_1026134 [Armillaria gallica] | -1.24 |
| chr07\_AA\_00212 | hypothetical protein CYLTODRAFT\_495068 [Cylindrobasidium torrendii FP15055 ss-10] | -1.24 |
| chr05\_AA\_00475 | uncharacterized protein ARMOST\_10857 [Armillaria ostoyae] | -1.24 |
| chr06\_AA\_00644 | NA | -1.24 |
| chr06\_AA\_00370 | ribonuclease III [Cylindrobasidium torrendii FP15055 ss-10] | -1.23 |
| chr01\_AA\_00424 | hypothetical protein CYLTODRAFT\_55692 [Cylindrobasidium torrendii FP15055 ss-10] | -1.23 |
| chr05\_AA\_00105 | hsp10-like protein [Dichomitus squalens LYAD-421 SS1] &gt;EJF55993.1 hsp10-like protein [Dichomitus squalens LYAD-421 SS1] | -1.22 |
| chr10\_AA\_00305 | kinesin-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.21 |
| chr09\_AA\_01236 | hypothetical protein CYLTODRAFT\_417978 [Cylindrobasidium torrendii FP15055 ss-10] | -1.21 |
| chr07\_AA\_01069 | WD repeat-containing protein slp1 [Cylindrobasidium torrendii FP15055 ss-10] | -1.20 |
| chr11\_AA\_01136 | hypothetical protein CYLTODRAFT\_421620 [Cylindrobasidium torrendii FP15055 ss-10] | -1.20 |
| chr11\_AA\_00098 | hypothetical protein ARMGADRAFT\_979593 [Armillaria gallica] | -1.19 |
| chr06\_AA\_00317 | hypothetical protein CYLTODRAFT\_398740 [Cylindrobasidium torrendii FP15055 ss-10] | -1.19 |
| chr07\_AA\_00432 | hypothetical protein CYLTODRAFT\_433656 [Cylindrobasidium torrendii FP15055 ss-10] | -1.19 |
| chr11\_AA\_00133 | hypothetical protein ARMGADRAFT\_1162737 [Armillaria gallica] | -1.19 |
| chr10\_AA\_00368 | DUF726-domain-containing protein [Armillaria gallica] | -1.19 |
| chr07\_AA\_00434 | hypothetical protein ARMGADRAFT\_1166177 [Armillaria gallica] | -1.18 |
| chr05\_AA\_00565 | uncharacterized protein ARMOST\_06210 [Armillaria ostoyae] | -1.18 |
| chr04\_AA\_00436 | related to RPO41-DNA-directed RNA polymerase, mitochondrial [Armillaria ostoyae] | -1.18 |
| chr07\_AA\_00458 | hypothetical protein ARMSODRAFT\_649359 [Armillaria solidipes] | -1.18 |
| chr10\_AA\_00321 | hypothetical protein CYLTODRAFT\_418149 [Cylindrobasidium torrendii FP15055 ss-10] | -1.18 |
| chr04\_AA\_00494 | related to KRE6-glucan synthase subunit [Armillaria ostoyae] | -1.18 |
| chr01\_AA\_00245 | hypothetical protein CYLTODRAFT\_343854, partial [Cylindrobasidium torrendii FP15055 ss-10] | -1.18 |
| chr06\_AA\_00655 | hypothetical protein GLOTRDRAFT\_140973 [Gloeophyllum trabeum ATCC 11539] &gt;EPQ51580.1 hypothetical protein GLOTRDRAFT\_140973 [Gloeophyllum trabeum ATCC 11539] | -1.17 |
| chr11\_AA\_01028 | hypothetical protein CYLTODRAFT\_485083 [Cylindrobasidium torrendii FP15055 ss-10] | -1.17 |
| chr08\_AA\_00626 | hypothetical protein ARMGADRAFT\_1006661 [Armillaria gallica] | -1.16 |
| chr07\_AA\_00226 | P-loop containing nucleoside triphosphate hydrolase protein [Mycena chlorophos] | -1.15 |
| chr10\_AA\_00735 | glycoside hydrolase family 31 protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.15 |
| chr09\_AA\_00680 | hypothetical protein CYLTODRAFT\_395198 [Cylindrobasidium torrendii FP15055 ss-10] | -1.14 |
| chr05\_AA\_00342 | hypothetical protein ARMGADRAFT\_987831 [Armillaria gallica] | -1.14 |
| chr06\_AA\_00369 | hypothetical protein CYLTODRAFT\_379951 [Cylindrobasidium torrendii FP15055 ss-10] | -1.12 |
| chr06\_AA\_00411 | Nitrate/Nitrite transporter [Heterobasidion irregulare TC 32-1] &gt;ETW81289.1 Nitrate/Nitrite transporter [Heterobasidion irregulare TC 32-1] | -1.11 |
| chr11\_AA\_01032 | FAD/NAD(P)-binding domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.10 |
| chr07\_AA\_00522 | hypothetical protein CYLTODRAFT\_484594 [Cylindrobasidium torrendii FP15055 ss-10] | -1.09 |
| chr08\_AA\_00282 | beta-tubulin 2 [Cylindrobasidium torrendii FP15055 ss-10] | -1.08 |
| chr04\_AA\_00456 | hypothetical protein CYLTODRAFT\_376171 [Cylindrobasidium torrendii FP15055 ss-10] | -1.05 |

The first two rows represent gene ID and gene annotation respectively. "NA" represents no annotation information. The third row represents the value of log2(fold change) derived from average value of 1099 differentially expressed genes shared in three treated groups compared to the control group.

Supplementary Table S5. Information of the 256 differentially expressed genes in MEblue module.

|  |  |  |  |
| --- | --- | --- | --- |
| Gene ID | Gene annotation | Log2(fold change) | Correlation value |
| chr09\_AA\_01190 | potassium/sodium eff [Cylindrobasidium torrendii FP15055 ss-10] | 6.84 | 151.16 |
| chr10\_AA\_00944 | general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 6.81 | 217.37 |
| chr10\_AA\_01322 | putative laccase 5 [Flammulina velutipes] | 6.65 | 126.40 |
| chr06\_AA\_00666 | hypothetical protein [Flammulina velutipes] | 6.46 | 128.12 |
| chr01\_AA\_00442 | hypothetical protein ARMGADRAFT\_970088 [Armillaria gallica] | 6.23 | 235.84 |
| chr06\_AA\_00433 | putative ectomycorrhiza-upregulated exo-beta-1,3-glucanase GH5 [Flammulina velutipes] | 6.22 | 152.92 |
| chr09\_AA\_00051 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 6.18 | 241.06 |
| chr01\_AA\_00428 | putative protein lysine methyltransferase [Moniliophthora roreri MCA 2997] | 6.02 | 176.38 |
| chr09\_AA\_00955 | putative endo-1,4-beta-xylanase precursor [Flammulina velutipes] | 6.02 | 128.52 |
| chr01\_AA\_00233 | related to D-arabinitol 2-dehydrogenase [Armillaria ostoyae] | 5.96 | 71.53 |
| chr11\_AA\_00581 | laccase [Flammulina velutipes] | 5.96 | 98.19 |
| chr02\_AA\_00108 | asparaginase [Flammulina velutipes] | 5.84 | 174.06 |
| chr01\_AA\_00232 | NAD(P)-binding protein [Armillaria gallica] | 5.57 | 101.40 |
| chr09\_AA\_00719 | hypothetical protein PLEOSDRAFT\_1093927 [Pleurotus ostreatus PC15] | 5.40 | 146.96 |
| chr09\_AA\_00831 | hypothetical protein CYLTODRAFT\_417837 [Cylindrobasidium torrendii FP15055 ss-10] | 5.36 | 50.56 |
| chr09\_AA\_00052 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 5.30 | 165.36 |
| chr09\_AA\_00100 | hypothetical protein K503DRAFT\_238266 [Rhizopogon vinicolor AM-OR11-026] | 5.29 | 232.55 |
| chr07\_AA\_00617 | NAD-dependent formate dehydrogenase [Moniliophthora perniciosa] | 5.22 | 172.54 |
| chr07\_AA\_00601 | hypothetical protein GYMLUDRAFT\_71620 [Gymnopus luxurians FD-317 M1] | 5.13 | 200.95 |
| chr07\_AA\_00567 | hypothetical protein CYLTODRAFT\_406012 [Cylindrobasidium torrendii FP15055 ss-10] | 5.12 | 164.37 |
| chr11\_AA\_01002 | related to dehydrogenase [Armillaria ostoyae] | 4.98 | 16.52 |
| chr11\_AA\_00499 | GroES-like protein [Armillaria solidipes] | 4.94 | 266.35 |
| chr06\_AA\_00694 | Zinc-regulated transporter 1 [Hypsizygus marmoreus] | 4.69 | 171.75 |
| chr11\_AA\_01685 | 1-aminocyclopropane-1-carboxylate deaminase [Armillaria solidipes] | 4.66 | 187.74 |
| chr11\_AA\_01046 | hypothetical protein CYLTODRAFT\_428160 [Cylindrobasidium torrendii FP15055 ss-10] | 4.58 | 245.50 |
| chr09\_AA\_00190 | putative exo-beta-1,3-glucanase [Flammulina velutipes] | 4.50 | 113.83 |
| chr08\_AA\_00984 | cytochrome P450 monooxygenase pc-bph [Armillaria gallica] | 4.30 | 234.70 |
| chr11\_AA\_01097 | glycoside hydrolase family 3 protein [Cylindrobasidium torrendii FP15055 ss-10] | 4.27 | 209.86 |
| chr07\_AA\_00804 | uncharacterized protein ARMOST\_19843 [Armillaria ostoyae] | 4.19 | 56.62 |
| chr03\_AA\_00325 | hypothetical protein CYLTODRAFT\_421760 [Cylindrobasidium torrendii FP15055 ss-10] | 4.15 | 168.97 |
| chr09\_AA\_00892 | hypothetical protein CYLTODRAFT\_431446 [Cylindrobasidium torrendii FP15055 ss-10] | 4.09 | 251.43 |
| chr11\_AA\_00595 | chitin deacetylase [Armillaria gallica] | 4.07 | 54.78 |
| chr09\_AA\_00191 | exo-beta-1,3-glucanase [Armillaria solidipes] | 4.06 | 112.52 |
| chr03\_AA\_00294 | hypothetical protein CYLTODRAFT\_489528 [Cylindrobasidium torrendii FP15055 ss-10] | 4.04 | 200.00 |
| chr07\_AA\_00156 | uncharacterized protein ARMOST\_00326 [Armillaria ostoyae] | 3.99 | 137.55 |
| chr09\_AA\_01099 | general substrate transporter [Armillaria gallica] | 3.96 | 209.49 |
| chr05\_AA\_00370 | hypothetical protein GALMADRAFT\_90776 [Galerina marginata CBS 339.88] | 3.95 | 258.76 |
| chr04\_AA\_00484 | hypothetical protein CYLTODRAFT\_422976 [Cylindrobasidium torrendii FP15055 ss-10] | 3.90 | 237.94 |
| chr11\_AA\_00094 | homogentisate 1,2-dioxygenase [Armillaria solidipes] | 3.87 | 230.55 |
| chr09\_AA\_01114 | glutathione S-transferase family, partial [Flammulina velutipes] | 3.80 | 21.40 |
| chr01\_AA\_00310 | hypothetical protein GYMLUDRAFT\_150603 [Gymnopus luxurians FD-317 M1] | 3.79 | 222.54 |
| chr08\_AA\_01046 | MFS general substrate transporter [Armillaria gallica] | 3.79 | 238.87 |
| chr10\_AA\_01157 | glycoside hydrolase family 53 protein [Cylindrobasidium torrendii FP15055 ss-10] | 3.79 | 188.58 |
| chr06\_AA\_00366 | uncharacterized protein ARMOST\_02422 [Armillaria ostoyae] | 3.70 | 137.12 |
| chr06\_AA\_00949 | hypothetical protein CYLTODRAFT\_427642 [Cylindrobasidium torrendii FP15055 ss-10] | 3.64 | 164.78 |
| chr06\_AA\_01031 | glycoside hydrolase family 43 protein [Periconia macrospinosa] | 3.60 | 208.06 |
| chr09\_AA\_00964 | hypothetical protein CYLTODRAFT\_421025 [Cylindrobasidium torrendii FP15055 ss-10] | 3.58 | 73.66 |
| chr11\_AA\_01456 | uncharacterized protein ARMOST\_16541 [Armillaria ostoyae] | 3.58 | 236.36 |
| chr08\_AA\_00621 | hypothetical protein ARMGADRAFT\_982650 [Armillaria gallica] | 3.54 | 207.16 |
| chr07\_AA\_00829 | general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 3.52 | 219.84 |
| chr10\_AA\_00733 | Zinc-regulated transporter 1 [Hypsizygus marmoreus] | 3.44 | 151.40 |
| chr04\_AA\_00045 | hypothetical protein ARMGADRAFT\_1084273 [Armillaria gallica] | 3.41 | 109.51 |
| chr08\_AA\_00496 | amidase signature enzyme [Sanghuangporus baumii] | 3.41 | 122.06 |
| chr09\_AA\_00126 | glycoside hydrolase family 6 protein [Cylindrobasidium torrendii FP15055 ss-10] | 3.41 | 9.80 |
| chr05\_AA\_00224 | carotenoid ester lipase precursor [Cylindrobasidium torrendii FP15055 ss-10] | 3.38 | 80.48 |
| chr05\_AA\_00860 | hypothetical protein ARMGADRAFT\_633196 [Armillaria gallica] | 3.31 | 228.71 |
| chr06\_AA\_00524 | hypothetical protein ARMGADRAFT\_1111301 [Armillaria gallica] | 3.30 | 200.26 |
| chr02\_AA\_00057 | hypothetical protein ARMSODRAFT\_931909 [Armillaria solidipes] &gt;SJL01654.1 uncharacterized protein ARMOST\_04977 [Armillaria ostoyae] | 3.26 | 158.43 |
| chr11\_AA\_00233 | hypothetical protein ARMGADRAFT\_977028 [Armillaria gallica] | 3.13 | 171.15 |
| chr09\_AA\_01224 | uncharacterized protein ARMOST\_22339 [Armillaria ostoyae] | 3.12 | 164.55 |
| chr09\_AA\_00312 | putative beta-glucosidase [Flammulina velutipes] | 3.11 | 168.21 |
| chr05\_AA\_00845 | general substrate transporter [Armillaria gallica] | 3.05 | 223.09 |
| chr08\_AA\_01257 | hypothetical protein ARMSODRAFT\_949486 [Armillaria solidipes] | 2.99 | 260.80 |
| chr04\_AA\_00685 | hypothetical protein CYLTODRAFT\_369578 [Cylindrobasidium torrendii FP15055 ss-10] | 2.99 | 225.39 |
| chr08\_AA\_01077 | GroES-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.97 | 57.14 |
| chr09\_AA\_00162 | hypothetical protein ARMGADRAFT\_961910 [Armillaria gallica] | 2.96 | 257.73 |
| chr11\_AA\_00878 | hypothetical protein CYLTODRAFT\_430286 [Cylindrobasidium torrendii FP15055 ss-10] | 2.91 | 260.60 |
| chr09\_AA\_00036 | hypothetical protein ARMGADRAFT\_1070289 [Armillaria gallica] | 2.87 | 158.83 |
| chr11\_AA\_00928 | putative malate synthase [Flammulina velutipes] | 2.86 | 190.66 |
| chr09\_AA\_00271 | Endo-1,4-beta-xylanase 6 [Hypsizygus marmoreus] | 2.83 | 9.76 |
| chr05\_AA\_00599 | glycoside hydrolase family 2 protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.80 | 194.94 |
| chr08\_AA\_00338 | DUF1479-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.78 | 260.48 |
| chr04\_AA\_00291 | hypothetical protein ARMGADRAFT\_1063603 [Armillaria gallica] | 2.77 | 92.23 |
| chr10\_AA\_00499 | hypothetical protein WG66\_16220 [Moniliophthora roreri] | 2.75 | 211.53 |
| chr08\_AA\_00260 | CDF-like metal transporter [Armillaria solidipes] | 2.74 | 225.57 |
| chr09\_AA\_00023 | hypothetical protein WG66\_107 [Moniliophthora roreri] | 2.73 | 77.01 |
| chr11\_AA\_00997 | Annexin [Cylindrobasidium torrendii FP15055 ss-10] | 2.71 | 208.07 |
| chr06\_AA\_00707 | glycerol kinase [Armillaria solidipes] | 2.69 | 203.06 |
| chr11\_AA\_00103 | hypothetical protein M413DRAFT\_370146 [Hebeloma cylindrosporum h7] | 2.68 | 253.73 |
| chr11\_AA\_01731 | benzoquinone reductase [Cylindrobasidium torrendii FP15055 ss-10] | 2.68 | 98.19 |
| chr06\_AA\_00315 | mitochondrial carrier [Cylindrobasidium torrendii FP15055 ss-10] | 2.67 | 263.41 |
| chr01\_AA\_00035 | uncharacterized protein ARMOST\_05935 [Armillaria ostoyae] | 2.63 | 160.25 |
| chr10\_AA\_01414 | hypothetical protein ARMSODRAFT\_995949 [Armillaria solidipes] | 2.62 | 37.39 |
| chr04\_AA\_00470 | hypothetical protein PLICRDRAFT\_179967 [Plicaturopsis crispa FD-325 SS-3] | 2.61 | 123.90 |
| chr05\_AA\_00686 | glycoside hydrolase family 95 protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.61 | 205.99 |
| chr10\_AA\_01309 | hypothetical protein PHLCEN\_2v2282 [Phlebia centrifuga] | 2.60 | 84.48 |
| chr09\_AA\_00551 | hypothetical protein CYLTODRAFT\_392634 [Cylindrobasidium torrendii FP15055 ss-10] | 2.59 | 117.28 |
| chr07\_AA\_00703 | potassium/sodium eff [Cylindrobasidium torrendii FP15055 ss-10] | 2.58 | 270.93 |
| chr05\_AA\_00118 | glycoside hydrolase family 37 protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.57 | 231.93 |
| chr03\_AA\_00403 | hypothetical protein CYLTODRAFT\_424860 [Cylindrobasidium torrendii FP15055 ss-10] | 2.56 | 245.23 |
| chr05\_AA\_00317 | hypothetical protein CYLTODRAFT\_450559 [Cylindrobasidium torrendii FP15055 ss-10] | 2.54 | 212.36 |
| chr08\_AA\_01091 | uncharacterized protein ARMOST\_03386 [Armillaria ostoyae] | 2.50 | 257.47 |
| chr08\_AA\_01081 | uncharacterized protein ARMOST\_20173 [Armillaria ostoyae] | 2.49 | 218.70 |
| chr01\_AA\_00436 | hypothetical protein ARMSODRAFT\_960465 [Armillaria solidipes] | 2.49 | 229.10 |
| chr10\_AA\_00270 | branched-chain alpha-keto acid dehydrogenase E1-alpha subunit [Cylindrobasidium torrendii FP15055 ss-10] | 2.47 | 254.26 |
| chr02\_AA\_00121 | vacuolar amino acid permease [Armillaria gallica] | 2.46 | 130.99 |
| chr06\_AA\_00703 | hypothetical protein CYLTODRAFT\_398145 [Cylindrobasidium torrendii FP15055 ss-10] | 2.43 | 257.46 |
| chr09\_AA\_00095 | hypothetical protein CYLTODRAFT\_422329 [Cylindrobasidium torrendii FP15055 ss-10] | 2.43 | 250.61 |
| chr10\_AA\_01231 | hypothetical protein ARMSODRAFT\_1019532 [Armillaria solidipes] | 2.41 | 219.92 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | 2.40 | 287.71 |
| chr10\_AA\_01201 | acyltransferase ChoActase/COT/CPT [Armillaria gallica] | 2.39 | 232.43 |
| chr10\_AA\_00662 | Ureohydrolase [Armillaria gallica] | 2.36 | 188.94 |
| chr11\_AA\_01686 | hypothetical protein CYLTODRAFT\_348076 [Cylindrobasidium torrendii FP15055 ss-10] | 2.35 | 156.03 |
| chr11\_AA\_00606 | hypothetical protein CYLTODRAFT\_418833 [Cylindrobasidium torrendii FP15055 ss-10] | 2.34 | 246.72 |
| chr07\_AA\_01051 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 2.34 | 208.78 |
| chr10\_AA\_00134 | hypothetical protein CYLTODRAFT\_349864 [Cylindrobasidium torrendii FP15055 ss-10] | 2.33 | 231.34 |
| chr06\_AA\_00970 | glycoside hydrolase family 5 protein [Pleurotus ostreatus PC15] | 2.30 | 76.81 |
| chr05\_AA\_00082 | glycoside hydrolase family 20 protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.30 | 186.30 |
| chr11\_AA\_00790 | uncharacterized protein ARMOST\_05401 [Armillaria ostoyae] | 2.29 | 175.83 |
| chr09\_AA\_00762 | transketolase [Armillaria solidipes] | 2.29 | 189.20 |
| chr09\_AA\_01214 | hypothetical protein CYLTODRAFT\_417942 [Cylindrobasidium torrendii FP15055 ss-10] | 2.29 | 214.53 |
| chr02\_AA\_00393 | related to GRE2-methylglyoxal reductase (NADPH-dependent) [Armillaria ostoyae] | 2.28 | 177.14 |
| chr07\_AA\_00414 | MFS general substrate transporter [Armillaria gallica] | 2.26 | 188.29 |
| chr07\_AA\_01020 | extracellular GDSL-like lipase/acylhydrolase [Glonium stellatum] | 2.26 | 201.88 |
| chr05\_AA\_00056 | glycoside hydrolase family 20 protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.24 | 173.83 |
| chr05\_AA\_00715 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.24 | 75.35 |
| chr07\_AA\_00464 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | 2.23 | 225.58 |
| chr03\_AA\_00291 | hypothetical protein ARMGADRAFT\_1170747 [Armillaria gallica] | 2.22 | 202.36 |
| chr10\_AA\_00667 | hypothetical protein CYLTODRAFT\_379376 [Cylindrobasidium torrendii FP15055 ss-10] | 2.22 | 34.90 |
| chr10\_AA\_01310 | DUF124-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.20 | 65.46 |
| chr01\_AA\_00418 | aromatic compound dioxygenase [Cylindrobasidium torrendii FP15055 ss-10] | 2.16 | 230.99 |
| chr03\_AA\_00380 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.16 | 88.52 |
| chr10\_AA\_01056 | hypothetical protein ARMGADRAFT\_1020988 [Armillaria gallica] | 2.16 | 159.66 |
| chr09\_AA\_00406 | uncharacterized protein ARMOST\_17180 [Armillaria ostoyae] | 2.14 | 215.81 |
| chr09\_AA\_01225 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.14 | 85.03 |
| chr09\_AA\_00816 | mandelate racemase muconate lactonizing enzyme family protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.12 | 152.90 |
| chr08\_AA\_00542 | hypothetical protein ARMGADRAFT\_1159894 [Armillaria gallica] | 2.11 | 182.73 |
| chr07\_AA\_01021 | hypothetical protein PLEOSDRAFT\_1096996 [Pleurotus ostreatus PC15] | 2.10 | 102.60 |
| chr10\_AA\_00220 | hypothetical protein ARMGADRAFT\_962646, partial [Armillaria gallica] | 2.08 | 280.35 |
| chr10\_AA\_01143 | uncharacterized protein ARMOST\_08409 [Armillaria ostoyae] | 2.08 | 159.29 |
| chr10\_AA\_00912 | hypothetical protein ARMSODRAFT\_948409 [Armillaria solidipes] | 2.08 | 71.18 |
| chr11\_AA\_00719 | hypothetical protein ARMGADRAFT\_1019784, partial [Armillaria gallica] | 2.04 | 177.29 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | 2.04 | 290.52 |
| chr02\_AA\_00341 | oxidoreductase [Armillaria solidipes] | 2.02 | 259.11 |
| chr05\_AA\_00812 | acid protease [Armillaria gallica] | 1.99 | 214.06 |
| chr09\_AA\_01106 | multidrug transporter [Cylindrobasidium torrendii FP15055 ss-10] | 1.95 | 124.59 |
| chr01\_AA\_00397 | putative isomerase YbhE [Cylindrobasidium torrendii FP15055 ss-10] | 1.94 | 188.18 |
| chr09\_AA\_00838 | cytochrome P450 [Armillaria gallica] | 1.94 | 101.42 |
| chr08\_AA\_00847 | acetyl-CoA synthetase-like protein [Armillaria solidipes] | 1.94 | 84.22 |
| chr07\_AA\_00098 | hypothetical protein ARMGADRAFT\_926019 [Armillaria gallica] | 1.90 | 52.63 |
| chr07\_AA\_00419 | hypothetical protein CYLTODRAFT\_277105 [Cylindrobasidium torrendii FP15055 ss-10] | 1.90 | 162.23 |
| chr10\_AA\_00441 | alpha/beta-hydrolase [Armillaria solidipes] | 1.90 | 263.94 |
| chr07\_AA\_00645 | aldehyde dehydrogenase [Armillaria gallica] | 1.89 | 242.55 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | 1.87 | 284.74 |
| chr07\_AA\_00561 | hypothetical protein ARMGADRAFT\_1031622 [Armillaria gallica] | 1.86 | 210.38 |
| chr07\_AA\_00739 | hypothetical protein CYLTODRAFT\_417357 [Cylindrobasidium torrendii FP15055 ss-10] | 1.85 | 255.08 |
| chr08\_AA\_01176 | hypothetical protein HYPSUDRAFT\_61393 [Hypholoma sublateritium FD-334 SS-4] | 1.85 | 237.18 |
| chr11\_AA\_01644 | hypothetical protein CYLTODRAFT\_438918 [Cylindrobasidium torrendii FP15055 ss-10] | 1.84 | 151.70 |
| chr08\_AA\_00948 | probable glutamate dehydrogenase, NAD(+)-specific [Armillaria ostoyae] | 1.84 | 196.82 |
| chr09\_AA\_00860 | glycosyltransferase family 90 protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.83 | 70.85 |
| chr09\_AA\_01103 | Metallo-dependent phosphatase [Armillaria solidipes] | 1.83 | 253.14 |
| chr10\_AA\_01063 | glycoside hydrolase family 43 protein [Amanita thiersii Skay4041] | 1.83 | 150.42 |
| chr08\_AA\_00651 | related to isp4-oligopeptide transporter [Armillaria ostoyae] | 1.83 | 165.94 |
| chr10\_AA\_00256 | uncharacterized protein ARMOST\_03672 [Armillaria ostoyae] | 1.82 | 217.07 |
| chr06\_AA\_00683 | amidohydrolase [Armillaria gallica] | 1.81 | 113.51 |
| chr11\_AA\_00265 | FAD-linked oxidoreductase [Armillaria solidipes] | 1.80 | 247.36 |
| chr11\_AA\_01106 | related to stomatin [Armillaria ostoyae] | 1.79 | 193.35 |
| chr10\_AA\_01664 | hypothetical protein CYLTODRAFT\_404266 [Cylindrobasidium torrendii FP15055 ss-10] | 1.77 | 183.06 |
| chr05\_AA\_00719 | lipolytic enzyme [Coprinopsis cinerea okayama7#130] &gt;EAU92167.1 lipolytic enzyme [Coprinopsis cinerea okayama7#130] | 1.77 | 10.21 |
| chr11\_AA\_01711 | hypothetical protein ARMGADRAFT\_1046867 [Armillaria gallica] | 1.76 | 281.10 |
| chr07\_AA\_00560 | hypothetical protein CYLTODRAFT\_416229 [Cylindrobasidium torrendii FP15055 ss-10] | 1.76 | 256.15 |
| chr11\_AA\_00701 | uncharacterized protein ARMOST\_05344 [Armillaria ostoyae] | 1.76 | 137.17 |
| chr08\_AA\_00018 | putative peroxiredoxin Q [Flammulina velutipes] | 1.75 | 253.69 |
| chr04\_AA\_00052 | hypothetical protein CYLTODRAFT\_421165 [Cylindrobasidium torrendii FP15055 ss-10] | 1.75 | 125.29 |
| chr08\_AA\_01259 | Aldo/keto reductase [Armillaria gallica] | 1.74 | 276.12 |
| chr07\_AA\_00826 | Metallo-hydrolase/oxidoreductase [Armillaria gallica] | 1.74 | 187.75 |
| chr11\_AA\_01324 | terpenoid synthase [Cylindrobasidium torrendii FP15055 ss-10] | 1.73 | 235.42 |
| chr11\_AA\_01636 | hypothetical protein CYLTODRAFT\_421880 [Cylindrobasidium torrendii FP15055 ss-10] | 1.72 | 255.32 |
| chr02\_AA\_00129 | hypothetical protein CYLTODRAFT\_366704 [Cylindrobasidium torrendii FP15055 ss-10] | 1.71 | 207.68 |
| chr08\_AA\_00106 | hypothetical protein ARMGADRAFT\_100162 [Armillaria gallica] | 1.70 | 162.90 |
| chr10\_AA\_01576 | D-arabinitol 2-dehydrogenase [ribulose-forming] [Hypsizygus marmoreus] | 1.69 | 208.25 |
| chr01\_AA\_00121 | hypothetical protein CYLTODRAFT\_28398 [Cylindrobasidium torrendii FP15055 ss-10] | 1.69 | 108.32 |
| chr07\_AA\_01006 | enolase C-terminal domain-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.67 | 102.89 |
| chr10\_AA\_01213 | hypothetical protein JAAARDRAFT\_210932 [Jaapia argillacea MUCL 33604] | 1.66 | 249.95 |
| chr06\_AA\_00426 | hypothetical protein ARMGADRAFT\_984775 [Armillaria gallica] | 1.65 | 80.98 |
| chr01\_AA\_00479 | uncharacterized protein ARMOST\_12330 [Armillaria ostoyae] | 1.65 | 256.41 |
| chr07\_AA\_00907 | uncharacterized protein ARMOST\_00985 [Armillaria ostoyae] | 1.65 | 228.07 |
| chr08\_AA\_00856 | cytochrome p450 [Moniliophthora roreri MCA 2997] | 1.65 | 220.84 |
| chr07\_AA\_00281 | NAD(P)-binding protein [Armillaria gallica] | 1.64 | 267.60 |
| chr09\_AA\_01324 | uncharacterized protein ARMOST\_03294 [Armillaria ostoyae] | 1.64 | 75.75 |
| chr10\_AA\_00164 | dehydrogenase E1 and transketolase domain-containing protein 1 [Cylindrobasidium torrendii FP15055 ss-10] | 1.63 | 256.29 |
| chr09\_AA\_00410 | hypothetical protein AMATHDRAFT\_73341 [Amanita thiersii Skay4041] | 1.62 | 111.82 |
| chr11\_AA\_01733 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.62 | 263.67 |
| chr11\_AA\_00027 | hypothetical protein CYLTODRAFT\_423477 [Cylindrobasidium torrendii FP15055 ss-10] | 1.61 | 100.27 |
| chr08\_AA\_01097 | hypothetical protein GYMLUDRAFT\_32937 [Gymnopus luxurians FD-317 M1] | 1.59 | 122.19 |
| chr11\_AA\_01732 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.57 | 256.62 |
| chr05\_AA\_00112 | hypothetical protein STEHIDRAFT\_155150 [Stereum hirsutum FP-91666 SS1] &gt;EIM87778.1 hypothetical protein STEHIDRAFT\_155150 [Stereum hirsutum FP-91666 SS1] | 1.57 | 184.71 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | 1.56 | 287.32 |
| chr05\_AA\_00607 | hypothetical protein CYLTODRAFT\_458172 [Cylindrobasidium torrendii FP15055 ss-10] | 1.56 | 148.71 |
| chr11\_AA\_00145 | hypothetical protein CYLTODRAFT\_243491 [Cylindrobasidium torrendii FP15055 ss-10] | 1.55 | 165.76 |
| chr08\_AA\_00287 | hypothetical protein PLICRDRAFT\_118622 [Plicaturopsis crispa FD-325 SS-3] | 1.55 | 209.77 |
| chr06\_AA\_00308 | hypothetical protein CYLTODRAFT\_397357 [Cylindrobasidium torrendii FP15055 ss-10] | 1.55 | 124.99 |
| chr08\_AA\_00501 | hypothetical protein CYLTODRAFT\_416851 [Cylindrobasidium torrendii FP15055 ss-10] | 1.55 | 244.15 |
| chr11\_AA\_00504 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 1.52 | 266.66 |
| chr06\_AA\_00237 | acyl-CoA dehydrogenase NM domain-like protein, partial [Armillaria solidipes] | 1.52 | 266.39 |
| chr09\_AA\_00139 | hypothetical protein CYLTODRAFT\_424555 [Cylindrobasidium torrendii FP15055 ss-10] | 1.51 | 142.32 |
| chr09\_AA\_01058 | hypothetical protein ARMSODRAFT\_976614 [Armillaria solidipes] | 1.51 | 243.69 |
| chr05\_AA\_00156 | hypothetical protein Moror\_2973 [Moniliophthora roreri MCA 2997] &gt;KTB44036.1 hypothetical protein WG66\_3386 [Moniliophthora roreri] | 1.51 | 101.60 |
| chr11\_AA\_01313 | hypothetical protein Hypma\_000372 [Hypsizygus marmoreus] | 1.50 | 235.00 |
| chr05\_AA\_00481 | hypothetical protein CYLTODRAFT\_424727 [Cylindrobasidium torrendii FP15055 ss-10] | 1.49 | 261.35 |
| chr10\_AA\_01390 | hypothetical protein CYLTODRAFT\_414265 [Cylindrobasidium torrendii FP15055 ss-10] | 1.48 | 77.23 |
| chr07\_AA\_01003 | Pkinase-domain-containing protein [Armillaria gallica] | 1.47 | 127.50 |
| chr05\_AA\_00473 | hypothetical protein CYLTODRAFT\_449880 [Cylindrobasidium torrendii FP15055 ss-10] | 1.45 | 196.48 |
| chr07\_AA\_01044 | uncharacterized protein ARMOST\_19175 [Armillaria ostoyae] | 1.43 | 190.04 |
| chr08\_AA\_00383 | NAD(P)-binding protein [Armillaria gallica] | 1.42 | 100.13 |
| chr07\_AA\_01008 | cytochrome P450 [Armillaria solidipes] | 1.41 | 60.64 |
| chr03\_AA\_00240 | hypothetical protein CYLTODRAFT\_426591 [Cylindrobasidium torrendii FP15055 ss-10] | 1.40 | 191.58 |
| chr02\_AA\_00284 | alcohol dehydrogenase [Armillaria solidipes] | 1.40 | 103.93 |
| chr08\_AA\_00936 | MFS general substrate transporter [Armillaria gallica] | 1.39 | 236.36 |
| chr09\_AA\_01141 | hypothetical protein ARMGADRAFT\_1063089 [Armillaria gallica] | 1.37 | 260.77 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | 1.37 | 281.87 |
| chr08\_AA\_01172 | carbohydrate esterase family 1 protein, partial [Cylindrobasidium torrendii FP15055 ss-10] | 1.37 | 163.25 |
| chr10\_AA\_01341 | glucuronyl hydrolase [Armillaria solidipes] | 1.35 | 186.60 |
| chr11\_AA\_00638 | hypothetical protein ARMSODRAFT\_953107 [Armillaria solidipes] | 1.33 | 240.76 |
| chr09\_AA\_01410 | hypothetical protein CYLTODRAFT\_489277 [Cylindrobasidium torrendii FP15055 ss-10] | 1.33 | 92.92 |
| chr11\_AA\_01445 | hypothetical protein ARMSODRAFT\_950555 [Armillaria solidipes] &gt;SJL10115.1 uncharacterized protein ARMOST\_13499 [Armillaria ostoyae] | 1.32 | 89.74 |
| chr11\_AA\_00042 | kinase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.32 | 274.94 |
| chr09\_AA\_00229 | succinyl-CoA:3-ketoacid-coenzyme A transferase [Cylindrobasidium torrendii FP15055 ss-10] | 1.31 | 203.67 |
| chr10\_AA\_00517 | hypothetical protein CYLTODRAFT\_256211 [Cylindrobasidium torrendii FP15055 ss-10] | 1.30 | 256.01 |
| chr07\_AA\_00951 | acyl-CoA dehydrogenase domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.30 | 208.38 |
| chr01\_AA\_00265 | hypothetical protein CYLTODRAFT\_383163 [Cylindrobasidium torrendii FP15055 ss-10] | 1.30 | 243.02 |
| chr07\_AA\_00159 | FAD-binding domain-containing protein [Armillaria solidipes] | 1.30 | 115.01 |
| chr08\_AA\_01155 | related to 3-oxoacyl CoA thiolase [Armillaria ostoyae] | 1.30 | 242.87 |
| chr11\_AA\_00277 | uncharacterized protein ARMOST\_10602 [Armillaria ostoyae] | 1.29 | 183.29 |
| chr10\_AA\_00651 | hypothetical protein ARMGADRAFT\_897215, partial [Armillaria gallica] | 1.29 | 189.96 |
| chr01\_AA\_00277 | OPT superfamily oligopeptide transporter [Cylindrobasidium torrendii FP15055 ss-10] | 1.29 | 214.03 |
| chr11\_AA\_01664 | hypothetical protein CYLTODRAFT\_421876 [Cylindrobasidium torrendii FP15055 ss-10] | 1.28 | 227.11 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | 1.28 | 280.84 |
| chr07\_AA\_01089 | cysteine proteinase [Cylindrobasidium torrendii FP15055 ss-10] | 1.26 | 274.79 |
| chr11\_AA\_01042 | acetoin reductase family protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.25 | 125.88 |
| chr01\_AA\_00301 | manganese and iron superoxide dismutase [Cylindrobasidium torrendii FP15055 ss-10] | 1.25 | 64.36 |
| chr09\_AA\_01392 | aldolase [Armillaria gallica] | 1.21 | 57.94 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | 1.20 | 291.42 |
| chr06\_AA\_00511 | hypothetical protein CYLTODRAFT\_487823 [Cylindrobasidium torrendii FP15055 ss-10] | 1.20 | 210.02 |
| chr03\_AA\_00298 | hypothetical protein CYLTODRAFT\_458738 [Cylindrobasidium torrendii FP15055 ss-10] | 1.17 | 234.25 |
| chr06\_AA\_00682 | hypothetical protein HYDPIDRAFT\_112868 [Hydnomerulius pinastri MD-312] | 1.16 | 183.70 |
| chr07\_AA\_00722 | hypothetical protein K443DRAFT\_93998 [Laccaria amethystina LaAM-08-1] | 1.15 | 224.70 |
| chr07\_AA\_00827 | hypothetical protein LENED\_003150 [Lentinula edodes] | 1.14 | 156.50 |
| chr07\_AA\_00756 | SAICAR synthase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.13 | 168.36 |
| chr07\_AA\_00675 | multidrug resistance protein 1 [Armillaria gallica] | 1.13 | 110.27 |
| chr11\_AA\_01510 | hypothetical protein ARMGADRAFT\_1015707 [Armillaria gallica] | 1.11 | 146.20 |
| chr08\_AA\_01069 | alpha/beta-hydrolase [Armillaria solidipes] | 1.09 | 141.21 |
| chr05\_AA\_00421 | ribosomal protein S5 domain 2-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.08 | 166.11 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | 1.08 | 288.78 |
| chr01\_AA\_00426 | hypothetical protein CYLTODRAFT\_371735 [Cylindrobasidium torrendii FP15055 ss-10] | 1.07 | 204.46 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | 1.07 | 288.25 |
| chr09\_AA\_00518 | AAA-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 1.07 | 260.72 |
| chr07\_AA\_00380 | ectomycorrhiza-regulated esterase [Armillaria solidipes] | 1.04 | 216.13 |
| chr08\_AA\_00413 | hypothetical protein ARMGADRAFT\_391312 [Armillaria gallica] | 1.01 | 205.20 |
| chr04\_AA\_00456 | hypothetical protein CYLTODRAFT\_376171 [Cylindrobasidium torrendii FP15055 ss-10] | -1.01 | 249.05 |
| chr10\_AA\_00735 | glycoside hydrolase family 31 protein [Cylindrobasidium torrendii FP15055 ss-10] | -1.04 | 211.20 |
| chr11\_AA\_01461 | ricin B-like lectin [Armillaria gallica] | -1.09 | 218.89 |
| chr09\_AA\_00680 | hypothetical protein CYLTODRAFT\_395198 [Cylindrobasidium torrendii FP15055 ss-10] | -1.11 | 260.26 |
| chr01\_AA\_00056 | hypothetical protein ARMSODRAFT\_944675 [Armillaria solidipes] | -1.16 | 208.56 |
| chr01\_AA\_00057 | hypothetical protein ARMGADRAFT\_1026134 [Armillaria gallica] | -1.19 | 235.44 |
| chr05\_AA\_00527 | hypothetical protein NEOLEDRAFT\_1026610, partial [Neolentinus lepideus HHB14362 ss-1] | -1.54 | 202.30 |

The first two rows represent gene ID and gene annotation respectively. "NA" represents no annotation information. The third row represents the value of log2(fold change) derived from average value of 1,099 differentially expressed genes shared in three treated groups compared to the control group. The fourth row represents the connectivity value, standing for connectivity of every hub gene in the MEblue module.

Supplementary Table S6. Information of 859 edges in the co-expression network.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Gene1 | Gene1\_annotation | Gene2 | Gene2\_annotation | Weight |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01046 | MFS general substrate transporter [Armillaria gallica] | 0.217404189 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01069 | alpha/beta-hydrolase [Armillaria solidipes] | 0.120331821 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01077 | GroES-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.109853792 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01081 | uncharacterized protein ARMOST\_20173 [Armillaria ostoyae] | 0.251015162 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01091 | uncharacterized protein ARMOST\_03386 [Armillaria ostoyae] | 0.250393489 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01097 | hypothetical protein GYMLUDRAFT\_32937 [Gymnopus luxurians FD-317 M1] | 0.186448141 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01155 | related to 3-oxoacyl CoA thiolase [Armillaria ostoyae] | 0.163862111 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01172 | carbohydrate esterase family 1 protein, partial [Cylindrobasidium torrendii FP15055 ss-10] | 0.147348614 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01176 | hypothetical protein HYPSUDRAFT\_61393 [Hypholoma sublateritium FD-334 SS-4] | 0.242149859 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01257 | hypothetical protein ARMSODRAFT\_949486 [Armillaria solidipes] | 0.294244609 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01259 | Aldo/keto reductase [Armillaria gallica] | 0.253022423 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00036 | hypothetical protein ARMGADRAFT\_1070289 [Armillaria gallica] | 0.172049402 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00051 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.272866089 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00052 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.252087774 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00095 | hypothetical protein CYLTODRAFT\_422329 [Cylindrobasidium torrendii FP15055 ss-10] | 0.230140623 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00100 | hypothetical protein K503DRAFT\_238266 [Rhizopogon vinicolor AM-OR11-026] | 0.22067171 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00139 | hypothetical protein CYLTODRAFT\_424555 [Cylindrobasidium torrendii FP15055 ss-10] | 0.1105647 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00162 | hypothetical protein ARMGADRAFT\_961910 [Armillaria gallica] | 0.228295167 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00190 | putative exo-beta-1,3-glucanase [Flammulina velutipes] | 0.152528369 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00191 | exo-beta-1,3-glucanase [Armillaria solidipes] | 0.14999023 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00229 | succinyl-CoA:3-ketoacid-coenzyme A transferase [Cylindrobasidium torrendii FP15055 ss-10] | 0.178779278 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | 0.278613472 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00312 | putative beta-glucosidase [Flammulina velutipes] | 0.212011925 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00406 | uncharacterized protein ARMOST\_17180 [Armillaria ostoyae] | 0.27391632 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00518 | AAA-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.276953543 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00551 | hypothetical protein CYLTODRAFT\_392634 [Cylindrobasidium torrendii FP15055 ss-10] | 0.119780936 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00680 | hypothetical protein CYLTODRAFT\_395198 [Cylindrobasidium torrendii FP15055 ss-10] | 0.24007311 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00719 | hypothetical protein PLEOSDRAFT\_1093927 [Pleurotus ostreatus PC15] | 0.24081154 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00762 | transketolase [Armillaria solidipes] | 0.103835471 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00816 | mandelate racemase muconate lactonizing enzyme family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.122735574 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00838 | cytochrome P450 [Armillaria gallica] | 0.189567818 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00892 | hypothetical protein CYLTODRAFT\_431446 [Cylindrobasidium torrendii FP15055 ss-10] | 0.258022519 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00955 | putative endo-1,4-beta-xylanase precursor [Flammulina velutipes] | 0.149990638 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01058 | hypothetical protein ARMSODRAFT\_976614 [Armillaria solidipes] | 0.2807245 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01099 | general substrate transporter [Armillaria gallica] | 0.191679458 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01103 | Metallo-dependent phosphatase [Armillaria solidipes] | 0.220875977 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01106 | multidrug transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.165573383 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01141 | hypothetical protein ARMGADRAFT\_1063089 [Armillaria gallica] | 0.243103642 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01190 | potassium/sodium eff [Cylindrobasidium torrendii FP15055 ss-10] | 0.19334503 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01214 | hypothetical protein CYLTODRAFT\_417942 [Cylindrobasidium torrendii FP15055 ss-10] | 0.214195141 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01224 | uncharacterized protein ARMOST\_22339 [Armillaria ostoyae] | 0.146468382 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01225 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.127355519 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01410 | hypothetical protein CYLTODRAFT\_489277 [Cylindrobasidium torrendii FP15055 ss-10] | 0.178241918 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00134 | hypothetical protein CYLTODRAFT\_349864 [Cylindrobasidium torrendii FP15055 ss-10] | 0.170097176 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00164 | dehydrogenase E1 and transketolase domain-containing protein 1 [Cylindrobasidium torrendii FP15055 ss-10] | 0.215779219 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00220 | hypothetical protein ARMGADRAFT\_962646, partial [Armillaria gallica] | 0.280934962 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00256 | uncharacterized protein ARMOST\_03672 [Armillaria ostoyae] | 0.222930886 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00270 | branched-chain alpha-keto acid dehydrogenase E1-alpha subunit [Cylindrobasidium torrendii FP15055 ss-10] | 0.258032074 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00441 | alpha/beta-hydrolase [Armillaria solidipes] | 0.273844542 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00499 | hypothetical protein WG66\_16220 [Moniliophthora roreri] | 0.234498071 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00517 | hypothetical protein CYLTODRAFT\_256211 [Cylindrobasidium torrendii FP15055 ss-10] | 0.22388645 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00651 | hypothetical protein ARMGADRAFT\_897215, partial [Armillaria gallica] | 0.243214708 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00662 | Ureohydrolase [Armillaria gallica] | 0.261367144 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | 0.265924454 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00735 | glycoside hydrolase family 31 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.17212492 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00912 | hypothetical protein ARMSODRAFT\_948409 [Armillaria solidipes] | 0.117444469 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00944 | general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.224810858 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01056 | hypothetical protein ARMGADRAFT\_1020988 [Armillaria gallica] | 0.197097734 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01063 | glycoside hydrolase family 43 protein [Amanita thiersii Skay4041] | 0.211731256 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01143 | uncharacterized protein ARMOST\_08409 [Armillaria ostoyae] | 0.23825473 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01157 | glycoside hydrolase family 53 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.236126902 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01201 | acyltransferase ChoActase/COT/CPT [Armillaria gallica] | 0.158225166 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01213 | hypothetical protein JAAARDRAFT\_210932 [Jaapia argillacea MUCL 33604] | 0.245495406 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01231 | hypothetical protein ARMSODRAFT\_1019532 [Armillaria solidipes] | 0.208551899 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01309 | hypothetical protein PHLCEN\_2v2282 [Phlebia centrifuga] | 0.206094293 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01322 | putative laccase 5 [Flammulina velutipes] | 0.135940589 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01341 | glucuronyl hydrolase [Armillaria solidipes] | 0.255369306 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01576 | D-arabinitol 2-dehydrogenase [ribulose-forming] [Hypsizygus marmoreus] | 0.138110484 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01664 | hypothetical protein CYLTODRAFT\_404266 [Cylindrobasidium torrendii FP15055 ss-10] | 0.249292633 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00042 | kinase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.216795509 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00094 | homogentisate 1,2-dioxygenase [Armillaria solidipes] | 0.266675712 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00103 | hypothetical protein M413DRAFT\_370146 [Hebeloma cylindrosporum h7] | 0.20879576 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00233 | hypothetical protein ARMGADRAFT\_977028 [Armillaria gallica] | 0.230767233 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00265 | FAD-linked oxidoreductase [Armillaria solidipes] | 0.194893659 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00277 | uncharacterized protein ARMOST\_10602 [Armillaria ostoyae] | 0.203958721 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00499 | GroES-like protein [Armillaria solidipes] | 0.267039548 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00504 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.267795322 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00581 | laccase [Flammulina velutipes] | 0.11552464 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00606 | hypothetical protein CYLTODRAFT\_418833 [Cylindrobasidium torrendii FP15055 ss-10] | 0.166823523 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00638 | hypothetical protein ARMSODRAFT\_953107 [Armillaria solidipes] | 0.244386277 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00719 | hypothetical protein ARMGADRAFT\_1019784, partial [Armillaria gallica] | 0.197582158 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | 0.298950619 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00790 | uncharacterized protein ARMOST\_05401 [Armillaria ostoyae] | 0.119397113 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00878 | hypothetical protein CYLTODRAFT\_430286 [Cylindrobasidium torrendii FP15055 ss-10] | 0.216910679 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00928 | putative malate synthase [Flammulina velutipes] | 0.22052917 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00997 | Annexin [Cylindrobasidium torrendii FP15055 ss-10] | 0.197661398 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.270739419 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01042 | acetoin reductase family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.135407081 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01046 | hypothetical protein CYLTODRAFT\_428160 [Cylindrobasidium torrendii FP15055 ss-10] | 0.180674646 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01097 | glycoside hydrolase family 3 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.15241103 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01106 | related to stomatin [Armillaria ostoyae] | 0.152899136 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01313 | hypothetical protein Hypma\_000372 [Hypsizygus marmoreus] | 0.268187947 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01324 | terpenoid synthase [Cylindrobasidium torrendii FP15055 ss-10] | 0.260576999 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01456 | uncharacterized protein ARMOST\_16541 [Armillaria ostoyae] | 0.196008101 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01461 | ricin B-like lectin [Armillaria gallica] | 0.194734191 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01636 | hypothetical protein CYLTODRAFT\_421880 [Cylindrobasidium torrendii FP15055 ss-10] | 0.19864105 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01644 | hypothetical protein CYLTODRAFT\_438918 [Cylindrobasidium torrendii FP15055 ss-10] | 0.174881714 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01664 | hypothetical protein CYLTODRAFT\_421876 [Cylindrobasidium torrendii FP15055 ss-10] | 0.147351254 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01685 | 1-aminocyclopropane-1-carboxylate deaminase [Armillaria solidipes] | 0.161151596 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01686 | hypothetical protein CYLTODRAFT\_348076 [Cylindrobasidium torrendii FP15055 ss-10] | 0.280723115 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01711 | hypothetical protein ARMGADRAFT\_1046867 [Armillaria gallica] | 0.263937691 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01731 | benzoquinone reductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.140978765 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01732 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.196980489 |
| chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01733 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.203555239 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01042 | acetoin reductase family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.144557294 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01046 | hypothetical protein CYLTODRAFT\_428160 [Cylindrobasidium torrendii FP15055 ss-10] | 0.194116965 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01097 | glycoside hydrolase family 3 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.154577155 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01106 | related to stomatin [Armillaria ostoyae] | 0.166486305 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01313 | hypothetical protein Hypma\_000372 [Hypsizygus marmoreus] | 0.262287218 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01324 | terpenoid synthase [Cylindrobasidium torrendii FP15055 ss-10] | 0.213795713 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01456 | uncharacterized protein ARMOST\_16541 [Armillaria ostoyae] | 0.198146859 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01461 | ricin B-like lectin [Armillaria gallica] | 0.183710189 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01636 | hypothetical protein CYLTODRAFT\_421880 [Cylindrobasidium torrendii FP15055 ss-10] | 0.221441734 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01644 | hypothetical protein CYLTODRAFT\_438918 [Cylindrobasidium torrendii FP15055 ss-10] | 0.167735089 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01664 | hypothetical protein CYLTODRAFT\_421876 [Cylindrobasidium torrendii FP15055 ss-10] | 0.159099282 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01685 | 1-aminocyclopropane-1-carboxylate deaminase [Armillaria solidipes] | 0.16347996 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01686 | hypothetical protein CYLTODRAFT\_348076 [Cylindrobasidium torrendii FP15055 ss-10] | 0.270625716 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01711 | hypothetical protein ARMGADRAFT\_1046867 [Armillaria gallica] | 0.278544962 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01731 | benzoquinone reductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.127636808 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01732 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.192346238 |
| chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01733 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.208859744 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_00733 | Zinc-regulated transporter 1 [Hypsizygus marmoreus] | 0.189680508 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_00735 | glycoside hydrolase family 31 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.202518169 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_00944 | general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.26762573 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_01056 | hypothetical protein ARMGADRAFT\_1020988 [Armillaria gallica] | 0.131876217 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_01063 | glycoside hydrolase family 43 protein [Amanita thiersii Skay4041] | 0.27215411 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_01143 | uncharacterized protein ARMOST\_08409 [Armillaria ostoyae] | 0.260900941 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_01157 | glycoside hydrolase family 53 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.317435921 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_01201 | acyltransferase ChoActase/COT/CPT [Armillaria gallica] | 0.270345753 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_01213 | hypothetical protein JAAARDRAFT\_210932 [Jaapia argillacea MUCL 33604] | 0.20939695 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_01231 | hypothetical protein ARMSODRAFT\_1019532 [Armillaria solidipes] | 0.255111781 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_01309 | hypothetical protein PHLCEN\_2v2282 [Phlebia centrifuga] | 0.125620013 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_01322 | putative laccase 5 [Flammulina velutipes] | 0.108881975 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_01341 | glucuronyl hydrolase [Armillaria solidipes] | 0.316246532 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_01576 | D-arabinitol 2-dehydrogenase [ribulose-forming] [Hypsizygus marmoreus] | 0.257601296 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr10\_AA\_01664 | hypothetical protein CYLTODRAFT\_404266 [Cylindrobasidium torrendii FP15055 ss-10] | 0.306590828 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00027 | hypothetical protein CYLTODRAFT\_423477 [Cylindrobasidium torrendii FP15055 ss-10] | 0.133225324 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00042 | kinase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.292581414 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00094 | homogentisate 1,2-dioxygenase [Armillaria solidipes] | 0.177087949 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00103 | hypothetical protein M413DRAFT\_370146 [Hebeloma cylindrosporum h7] | 0.292886743 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00145 | hypothetical protein CYLTODRAFT\_243491 [Cylindrobasidium torrendii FP15055 ss-10] | 0.188021275 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00233 | hypothetical protein ARMGADRAFT\_977028 [Armillaria gallica] | 0.143502813 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00265 | FAD-linked oxidoreductase [Armillaria solidipes] | 0.271121836 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00277 | uncharacterized protein ARMOST\_10602 [Armillaria ostoyae] | 0.141549958 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00499 | GroES-like protein [Armillaria solidipes] | 0.275623365 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00504 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.292675236 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00606 | hypothetical protein CYLTODRAFT\_418833 [Cylindrobasidium torrendii FP15055 ss-10] | 0.262162254 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00638 | hypothetical protein ARMSODRAFT\_953107 [Armillaria solidipes] | 0.180655794 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00701 | uncharacterized protein ARMOST\_05344 [Armillaria ostoyae] | 0.175782263 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00719 | hypothetical protein ARMGADRAFT\_1019784, partial [Armillaria gallica] | 0.133416118 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | 0.343658709 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00790 | uncharacterized protein ARMOST\_05401 [Armillaria ostoyae] | 0.243019451 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00878 | hypothetical protein CYLTODRAFT\_430286 [Cylindrobasidium torrendii FP15055 ss-10] | 0.282325736 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00928 | putative malate synthase [Flammulina velutipes] | 0.30368841 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_00997 | Annexin [Cylindrobasidium torrendii FP15055 ss-10] | 0.230377628 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.27888494 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01042 | acetoin reductase family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.166153259 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01046 | hypothetical protein CYLTODRAFT\_428160 [Cylindrobasidium torrendii FP15055 ss-10] | 0.258689771 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01097 | glycoside hydrolase family 3 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.262887522 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01106 | related to stomatin [Armillaria ostoyae] | 0.204131866 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01313 | hypothetical protein Hypma\_000372 [Hypsizygus marmoreus] | 0.237800996 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01324 | terpenoid synthase [Cylindrobasidium torrendii FP15055 ss-10] | 0.176138365 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01445 | hypothetical protein ARMSODRAFT\_950555 [Armillaria solidipes] &gt;SJL10115.1 uncharacterized protein ARMOST\_13499 [Armillaria ostoyae] | 0.147429918 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01456 | uncharacterized protein ARMOST\_16541 [Armillaria ostoyae] | 0.210950626 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01461 | ricin B-like lectin [Armillaria gallica] | 0.226231807 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01510 | hypothetical protein ARMGADRAFT\_1015707 [Armillaria gallica] | 0.186958536 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01636 | hypothetical protein CYLTODRAFT\_421880 [Cylindrobasidium torrendii FP15055 ss-10] | 0.248111132 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01644 | hypothetical protein CYLTODRAFT\_438918 [Cylindrobasidium torrendii FP15055 ss-10] | 0.128827309 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01664 | hypothetical protein CYLTODRAFT\_421876 [Cylindrobasidium torrendii FP15055 ss-10] | 0.24786329 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01685 | 1-aminocyclopropane-1-carboxylate deaminase [Armillaria solidipes] | 0.204843151 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01686 | hypothetical protein CYLTODRAFT\_348076 [Cylindrobasidium torrendii FP15055 ss-10] | 0.22862488 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01711 | hypothetical protein ARMGADRAFT\_1046867 [Armillaria gallica] | 0.272990894 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01732 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.238934958 |
| chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | chr11\_AA\_01733 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.239373291 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_00312 | putative beta-glucosidase [Flammulina velutipes] | 0.22414486 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_00406 | uncharacterized protein ARMOST\_17180 [Armillaria ostoyae] | 0.275631541 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_00518 | AAA-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.294819004 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_00551 | hypothetical protein CYLTODRAFT\_392634 [Cylindrobasidium torrendii FP15055 ss-10] | 0.120551583 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_00680 | hypothetical protein CYLTODRAFT\_395198 [Cylindrobasidium torrendii FP15055 ss-10] | 0.253973235 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_00719 | hypothetical protein PLEOSDRAFT\_1093927 [Pleurotus ostreatus PC15] | 0.205481786 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_00816 | mandelate racemase muconate lactonizing enzyme family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.109709168 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_00838 | cytochrome P450 [Armillaria gallica] | 0.193092155 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_00892 | hypothetical protein CYLTODRAFT\_431446 [Cylindrobasidium torrendii FP15055 ss-10] | 0.246434993 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_00955 | putative endo-1,4-beta-xylanase precursor [Flammulina velutipes] | 0.162306682 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_01058 | hypothetical protein ARMSODRAFT\_976614 [Armillaria solidipes] | 0.281005579 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_01099 | general substrate transporter [Armillaria gallica] | 0.165480815 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_01103 | Metallo-dependent phosphatase [Armillaria solidipes] | 0.19758601 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_01106 | multidrug transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.121780698 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_01141 | hypothetical protein ARMGADRAFT\_1063089 [Armillaria gallica] | 0.262922995 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_01190 | potassium/sodium eff [Cylindrobasidium torrendii FP15055 ss-10] | 0.202237876 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_01214 | hypothetical protein CYLTODRAFT\_417942 [Cylindrobasidium torrendii FP15055 ss-10] | 0.203838054 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_01224 | uncharacterized protein ARMOST\_22339 [Armillaria ostoyae] | 0.115464428 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_01225 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.145171107 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_01324 | uncharacterized protein ARMOST\_03294 [Armillaria ostoyae] | 0.113981878 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr09\_AA\_01410 | hypothetical protein CYLTODRAFT\_489277 [Cylindrobasidium torrendii FP15055 ss-10] | 0.224368267 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_00134 | hypothetical protein CYLTODRAFT\_349864 [Cylindrobasidium torrendii FP15055 ss-10] | 0.175229549 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_00164 | dehydrogenase E1 and transketolase domain-containing protein 1 [Cylindrobasidium torrendii FP15055 ss-10] | 0.199295627 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_00220 | hypothetical protein ARMGADRAFT\_962646, partial [Armillaria gallica] | 0.277140173 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_00256 | uncharacterized protein ARMOST\_03672 [Armillaria ostoyae] | 0.242469341 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_00270 | branched-chain alpha-keto acid dehydrogenase E1-alpha subunit [Cylindrobasidium torrendii FP15055 ss-10] | 0.268765255 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_00441 | alpha/beta-hydrolase [Armillaria solidipes] | 0.267341069 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_00499 | hypothetical protein WG66\_16220 [Moniliophthora roreri] | 0.207315153 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_00517 | hypothetical protein CYLTODRAFT\_256211 [Cylindrobasidium torrendii FP15055 ss-10] | 0.247639392 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_00651 | hypothetical protein ARMGADRAFT\_897215, partial [Armillaria gallica] | 0.219213511 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_00662 | Ureohydrolase [Armillaria gallica] | 0.245105009 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | 0.243993698 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_00735 | glycoside hydrolase family 31 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.192081825 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_00912 | hypothetical protein ARMSODRAFT\_948409 [Armillaria solidipes] | 0.140483447 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_00944 | general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.199072013 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_01056 | hypothetical protein ARMGADRAFT\_1020988 [Armillaria gallica] | 0.241608063 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_01063 | glycoside hydrolase family 43 protein [Amanita thiersii Skay4041] | 0.181560747 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_01143 | uncharacterized protein ARMOST\_08409 [Armillaria ostoyae] | 0.228445183 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_01157 | glycoside hydrolase family 53 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.203762777 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_01201 | acyltransferase ChoActase/COT/CPT [Armillaria gallica] | 0.135937293 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_01213 | hypothetical protein JAAARDRAFT\_210932 [Jaapia argillacea MUCL 33604] | 0.288408654 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_01231 | hypothetical protein ARMSODRAFT\_1019532 [Armillaria solidipes] | 0.210873444 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_01309 | hypothetical protein PHLCEN\_2v2282 [Phlebia centrifuga] | 0.203053191 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_01322 | putative laccase 5 [Flammulina velutipes] | 0.146082144 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_01341 | glucuronyl hydrolase [Armillaria solidipes] | 0.209175566 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_01390 | hypothetical protein CYLTODRAFT\_414265 [Cylindrobasidium torrendii FP15055 ss-10] | 0.112557816 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_01576 | D-arabinitol 2-dehydrogenase [ribulose-forming] [Hypsizygus marmoreus] | 0.118758041 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr10\_AA\_01664 | hypothetical protein CYLTODRAFT\_404266 [Cylindrobasidium torrendii FP15055 ss-10] | 0.220819517 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00042 | kinase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.192608948 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00094 | homogentisate 1,2-dioxygenase [Armillaria solidipes] | 0.292137718 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00103 | hypothetical protein M413DRAFT\_370146 [Hebeloma cylindrosporum h7] | 0.204341626 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00233 | hypothetical protein ARMGADRAFT\_977028 [Armillaria gallica] | 0.281673962 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00265 | FAD-linked oxidoreductase [Armillaria solidipes] | 0.180612172 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00277 | uncharacterized protein ARMOST\_10602 [Armillaria ostoyae] | 0.251819743 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00499 | GroES-like protein [Armillaria solidipes] | 0.274576019 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00504 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.249885616 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00581 | laccase [Flammulina velutipes] | 0.124944821 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00606 | hypothetical protein CYLTODRAFT\_418833 [Cylindrobasidium torrendii FP15055 ss-10] | 0.148724123 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00638 | hypothetical protein ARMSODRAFT\_953107 [Armillaria solidipes] | 0.273745938 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00719 | hypothetical protein ARMGADRAFT\_1019784, partial [Armillaria gallica] | 0.227513857 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | 0.282006284 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00790 | uncharacterized protein ARMOST\_05401 [Armillaria ostoyae] | 0.102328246 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00878 | hypothetical protein CYLTODRAFT\_430286 [Cylindrobasidium torrendii FP15055 ss-10] | 0.21950421 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00928 | putative malate synthase [Flammulina velutipes] | 0.217086871 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_00997 | Annexin [Cylindrobasidium torrendii FP15055 ss-10] | 0.191821563 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.274647276 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01042 | acetoin reductase family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.144674166 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01046 | hypothetical protein CYLTODRAFT\_428160 [Cylindrobasidium torrendii FP15055 ss-10] | 0.173337209 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01097 | glycoside hydrolase family 3 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.124327368 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01106 | related to stomatin [Armillaria ostoyae] | 0.145130962 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01313 | hypothetical protein Hypma\_000372 [Hypsizygus marmoreus] | 0.288087399 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01324 | terpenoid synthase [Cylindrobasidium torrendii FP15055 ss-10] | 0.283133156 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01456 | uncharacterized protein ARMOST\_16541 [Armillaria ostoyae] | 0.197137323 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01461 | ricin B-like lectin [Armillaria gallica] | 0.203244371 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01636 | hypothetical protein CYLTODRAFT\_421880 [Cylindrobasidium torrendii FP15055 ss-10] | 0.184918297 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01644 | hypothetical protein CYLTODRAFT\_438918 [Cylindrobasidium torrendii FP15055 ss-10] | 0.221249019 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01664 | hypothetical protein CYLTODRAFT\_421876 [Cylindrobasidium torrendii FP15055 ss-10] | 0.13308971 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01685 | 1-aminocyclopropane-1-carboxylate deaminase [Armillaria solidipes] | 0.16424469 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01686 | hypothetical protein CYLTODRAFT\_348076 [Cylindrobasidium torrendii FP15055 ss-10] | 0.252263937 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01711 | hypothetical protein ARMGADRAFT\_1046867 [Armillaria gallica] | 0.267416159 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01731 | benzoquinone reductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.167947907 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01732 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.183483669 |
| chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | chr11\_AA\_01733 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.191609973 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00936 | MFS general substrate transporter [Armillaria gallica] | 0.21043837 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | 0.340182168 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00052 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.317928396 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | 0.306224709 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01664 | hypothetical protein CYLTODRAFT\_404266 [Cylindrobasidium torrendii FP15055 ss-10] | 0.306177205 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01157 | glycoside hydrolase family 53 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.299414708 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01341 | glucuronyl hydrolase [Armillaria solidipes] | 0.294525843 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01143 | uncharacterized protein ARMOST\_08409 [Armillaria ostoyae] | 0.294071292 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00051 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.291836496 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00651 | hypothetical protein ARMGADRAFT\_897215, partial [Armillaria gallica] | 0.285601074 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00042 | kinase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.28475182 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00662 | Ureohydrolase [Armillaria gallica] | 0.28341031 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00499 | hypothetical protein WG66\_16220 [Moniliophthora roreri] | 0.283253571 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01103 | Metallo-dependent phosphatase [Armillaria solidipes] | 0.27909326 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01711 | hypothetical protein ARMGADRAFT\_1046867 [Armillaria gallica] | 0.273412527 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00504 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.2688623 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00441 | alpha/beta-hydrolase [Armillaria solidipes] | 0.268184998 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01091 | uncharacterized protein ARMOST\_03386 [Armillaria ostoyae] | 0.26791624 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01636 | hypothetical protein CYLTODRAFT\_421880 [Cylindrobasidium torrendii FP15055 ss-10] | 0.257437199 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01214 | hypothetical protein CYLTODRAFT\_417942 [Cylindrobasidium torrendii FP15055 ss-10] | 0.255745707 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00928 | putative malate synthase [Flammulina velutipes] | 0.25466938 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.254242245 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01686 | hypothetical protein CYLTODRAFT\_348076 [Cylindrobasidium torrendii FP15055 ss-10] | 0.254059109 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01257 | hypothetical protein ARMSODRAFT\_949486 [Armillaria solidipes] | 0.253167168 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | 0.25284542 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00164 | dehydrogenase E1 and transketolase domain-containing protein 1 [Cylindrobasidium torrendii FP15055 ss-10] | 0.250445244 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01097 | hypothetical protein GYMLUDRAFT\_32937 [Gymnopus luxurians FD-317 M1] | 0.249465583 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00719 | hypothetical protein PLEOSDRAFT\_1093927 [Pleurotus ostreatus PC15] | 0.248533639 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01231 | hypothetical protein ARMSODRAFT\_1019532 [Armillaria solidipes] | 0.247023897 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00036 | hypothetical protein ARMGADRAFT\_1070289 [Armillaria gallica] | 0.246924369 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00499 | GroES-like protein [Armillaria solidipes] | 0.246358016 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01155 | related to 3-oxoacyl CoA thiolase [Armillaria ostoyae] | 0.245145253 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00606 | hypothetical protein CYLTODRAFT\_418833 [Cylindrobasidium torrendii FP15055 ss-10] | 0.244269671 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00878 | hypothetical protein CYLTODRAFT\_430286 [Cylindrobasidium torrendii FP15055 ss-10] | 0.24189433 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01313 | hypothetical protein Hypma\_000372 [Hypsizygus marmoreus] | 0.240134019 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | 0.23977207 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00892 | hypothetical protein CYLTODRAFT\_431446 [Cylindrobasidium torrendii FP15055 ss-10] | 0.239184473 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01190 | potassium/sodium eff [Cylindrobasidium torrendii FP15055 ss-10] | 0.238770299 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00944 | general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.236533687 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00103 | hypothetical protein M413DRAFT\_370146 [Hebeloma cylindrosporum h7] | 0.236322315 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01259 | Aldo/keto reductase [Armillaria gallica] | 0.235312267 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01046 | MFS general substrate transporter [Armillaria gallica] | 0.235223805 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00838 | cytochrome P450 [Armillaria gallica] | 0.231789901 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00220 | hypothetical protein ARMGADRAFT\_962646, partial [Armillaria gallica] | 0.229868064 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01046 | hypothetical protein CYLTODRAFT\_428160 [Cylindrobasidium torrendii FP15055 ss-10] | 0.229112122 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00162 | hypothetical protein ARMGADRAFT\_961910 [Armillaria gallica] | 0.229044133 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00265 | FAD-linked oxidoreductase [Armillaria solidipes] | 0.224412835 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00270 | branched-chain alpha-keto acid dehydrogenase E1-alpha subunit [Cylindrobasidium torrendii FP15055 ss-10] | 0.223759328 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00191 | exo-beta-1,3-glucanase [Armillaria solidipes] | 0.222389911 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00190 | putative exo-beta-1,3-glucanase [Flammulina velutipes] | 0.221767627 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01733 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.219017694 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01099 | general substrate transporter [Armillaria gallica] | 0.21765669 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00984 | cytochrome P450 monooxygenase pc-bph [Armillaria gallica] | 0.217635949 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00518 | AAA-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.215259194 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00948 | probable glutamate dehydrogenase, NAD(+)-specific [Armillaria ostoyae] | 0.213047722 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01097 | glycoside hydrolase family 3 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.213041739 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01664 | hypothetical protein CYLTODRAFT\_421876 [Cylindrobasidium torrendii FP15055 ss-10] | 0.211400741 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01732 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.210755279 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01058 | hypothetical protein ARMSODRAFT\_976614 [Armillaria solidipes] | 0.210650085 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00680 | hypothetical protein CYLTODRAFT\_395198 [Cylindrobasidium torrendii FP15055 ss-10] | 0.210380218 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00997 | Annexin [Cylindrobasidium torrendii FP15055 ss-10] | 0.209410425 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00229 | succinyl-CoA:3-ketoacid-coenzyme A transferase [Cylindrobasidium torrendii FP15055 ss-10] | 0.204838015 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01224 | uncharacterized protein ARMOST\_22339 [Armillaria ostoyae] | 0.20275113 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00095 | hypothetical protein CYLTODRAFT\_422329 [Cylindrobasidium torrendii FP15055 ss-10] | 0.199988167 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01201 | acyltransferase ChoActase/COT/CPT [Armillaria gallica] | 0.199619513 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01456 | uncharacterized protein ARMOST\_16541 [Armillaria ostoyae] | 0.199130379 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01106 | multidrug transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.197764908 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01063 | glycoside hydrolase family 43 protein [Amanita thiersii Skay4041] | 0.196534132 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01576 | D-arabinitol 2-dehydrogenase [ribulose-forming] [Hypsizygus marmoreus] | 0.191553616 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00406 | uncharacterized protein ARMOST\_17180 [Armillaria ostoyae] | 0.189432609 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01106 | related to stomatin [Armillaria ostoyae] | 0.187645776 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00517 | hypothetical protein CYLTODRAFT\_256211 [Cylindrobasidium torrendii FP15055 ss-10] | 0.186631222 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00134 | hypothetical protein CYLTODRAFT\_349864 [Cylindrobasidium torrendii FP15055 ss-10] | 0.18222519 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01069 | alpha/beta-hydrolase [Armillaria solidipes] | 0.181470653 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01213 | hypothetical protein JAAARDRAFT\_210932 [Jaapia argillacea MUCL 33604] | 0.176489194 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00790 | uncharacterized protein ARMOST\_05401 [Armillaria ostoyae] | 0.175414261 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00100 | hypothetical protein K503DRAFT\_238266 [Rhizopogon vinicolor AM-OR11-026] | 0.171885372 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01141 | hypothetical protein ARMGADRAFT\_1063089 [Armillaria gallica] | 0.169785364 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00733 | Zinc-regulated transporter 1 [Hypsizygus marmoreus] | 0.169706665 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01172 | carbohydrate esterase family 1 protein, partial [Cylindrobasidium torrendii FP15055 ss-10] | 0.164913998 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01042 | acetoin reductase family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.162874205 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00256 | uncharacterized protein ARMOST\_03672 [Armillaria ostoyae] | 0.16260099 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00762 | transketolase [Armillaria solidipes] | 0.162089641 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01176 | hypothetical protein HYPSUDRAFT\_61393 [Hypholoma sublateritium FD-334 SS-4] | 0.161649521 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00094 | homogentisate 1,2-dioxygenase [Armillaria solidipes] | 0.15897855 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00145 | hypothetical protein CYLTODRAFT\_243491 [Cylindrobasidium torrendii FP15055 ss-10] | 0.157068575 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01324 | terpenoid synthase [Cylindrobasidium torrendii FP15055 ss-10] | 0.15591916 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01461 | ricin B-like lectin [Armillaria gallica] | 0.155149248 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00735 | glycoside hydrolase family 31 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.152032207 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00410 | hypothetical protein AMATHDRAFT\_73341 [Amanita thiersii Skay4041] | 0.147996529 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00638 | hypothetical protein ARMSODRAFT\_953107 [Armillaria solidipes] | 0.147571637 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01685 | 1-aminocyclopropane-1-carboxylate deaminase [Armillaria solidipes] | 0.1459427 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01081 | uncharacterized protein ARMOST\_20173 [Armillaria ostoyae] | 0.145390208 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00233 | hypothetical protein ARMGADRAFT\_977028 [Armillaria gallica] | 0.144757508 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00955 | putative endo-1,4-beta-xylanase precursor [Flammulina velutipes] | 0.141443458 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00816 | mandelate racemase muconate lactonizing enzyme family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.141186481 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00701 | uncharacterized protein ARMOST\_05344 [Armillaria ostoyae] | 0.139772686 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00312 | putative beta-glucosidase [Flammulina velutipes] | 0.12746722 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01077 | GroES-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.126925946 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01510 | hypothetical protein ARMGADRAFT\_1015707 [Armillaria gallica] | 0.126898217 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01309 | hypothetical protein PHLCEN\_2v2282 [Phlebia centrifuga] | 0.123869637 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01410 | hypothetical protein CYLTODRAFT\_489277 [Cylindrobasidium torrendii FP15055 ss-10] | 0.120307187 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00719 | hypothetical protein ARMGADRAFT\_1019784, partial [Armillaria gallica] | 0.115065345 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00277 | uncharacterized protein ARMOST\_10602 [Armillaria ostoyae] | 0.113426308 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01644 | hypothetical protein CYLTODRAFT\_438918 [Cylindrobasidium torrendii FP15055 ss-10] | 0.111186817 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01056 | hypothetical protein ARMGADRAFT\_1020988 [Armillaria gallica] | 0.108885879 |
| chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00023 | hypothetical protein WG66\_107 [Moniliophthora roreri] | 0.107791527 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_00790 | uncharacterized protein ARMOST\_05401 [Armillaria ostoyae] | 0.270684903 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_00878 | hypothetical protein CYLTODRAFT\_430286 [Cylindrobasidium torrendii FP15055 ss-10] | 0.332888215 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_00928 | putative malate synthase [Flammulina velutipes] | 0.344057784 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_00997 | Annexin [Cylindrobasidium torrendii FP15055 ss-10] | 0.283242262 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.313680276 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01042 | acetoin reductase family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.226872824 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01046 | hypothetical protein CYLTODRAFT\_428160 [Cylindrobasidium torrendii FP15055 ss-10] | 0.310511005 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01097 | glycoside hydrolase family 3 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.285135179 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01106 | related to stomatin [Armillaria ostoyae] | 0.258964522 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01313 | hypothetical protein Hypma\_000372 [Hypsizygus marmoreus] | 0.272752882 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01324 | terpenoid synthase [Cylindrobasidium torrendii FP15055 ss-10] | 0.20123578 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01445 | hypothetical protein ARMSODRAFT\_950555 [Armillaria solidipes] &gt;SJL10115.1 uncharacterized protein ARMOST\_13499 [Armillaria ostoyae] | 0.135115861 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01456 | uncharacterized protein ARMOST\_16541 [Armillaria ostoyae] | 0.260607794 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01461 | ricin B-like lectin [Armillaria gallica] | 0.278345718 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01510 | hypothetical protein ARMGADRAFT\_1015707 [Armillaria gallica] | 0.232335573 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01636 | hypothetical protein CYLTODRAFT\_421880 [Cylindrobasidium torrendii FP15055 ss-10] | 0.303389876 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01644 | hypothetical protein CYLTODRAFT\_438918 [Cylindrobasidium torrendii FP15055 ss-10] | 0.164698013 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01664 | hypothetical protein CYLTODRAFT\_421876 [Cylindrobasidium torrendii FP15055 ss-10] | 0.298499354 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01685 | 1-aminocyclopropane-1-carboxylate deaminase [Armillaria solidipes] | 0.254656501 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01686 | hypothetical protein CYLTODRAFT\_348076 [Cylindrobasidium torrendii FP15055 ss-10] | 0.209496004 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01711 | hypothetical protein ARMGADRAFT\_1046867 [Armillaria gallica] | 0.325436555 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01731 | benzoquinone reductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.111774512 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01732 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.282744751 |
| chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | chr11\_AA\_01733 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.285986348 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr02\_AA\_00341 | oxidoreductase [Armillaria solidipes] | 0.227488956 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr02\_AA\_00393 | related to GRE2-methylglyoxal reductase (NADPH-dependent) [Armillaria ostoyae] | 0.129042502 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr03\_AA\_00240 | hypothetical protein CYLTODRAFT\_426591 [Cylindrobasidium torrendii FP15055 ss-10] | 0.166362065 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr03\_AA\_00291 | hypothetical protein ARMGADRAFT\_1170747 [Armillaria gallica] | 0.188602515 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr03\_AA\_00294 | hypothetical protein CYLTODRAFT\_489528 [Cylindrobasidium torrendii FP15055 ss-10] | 0.18377361 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr03\_AA\_00298 | hypothetical protein CYLTODRAFT\_458738 [Cylindrobasidium torrendii FP15055 ss-10] | 0.158504596 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr03\_AA\_00325 | hypothetical protein CYLTODRAFT\_421760 [Cylindrobasidium torrendii FP15055 ss-10] | 0.298118065 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr03\_AA\_00403 | hypothetical protein CYLTODRAFT\_424860 [Cylindrobasidium torrendii FP15055 ss-10] | 0.184420742 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr04\_AA\_00052 | hypothetical protein CYLTODRAFT\_421165 [Cylindrobasidium torrendii FP15055 ss-10] | 0.151641369 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr04\_AA\_00456 | hypothetical protein CYLTODRAFT\_376171 [Cylindrobasidium torrendii FP15055 ss-10] | 0.158926107 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr04\_AA\_00470 | hypothetical protein PLICRDRAFT\_179967 [Plicaturopsis crispa FD-325 SS-3] | 0.113235539 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr04\_AA\_00484 | hypothetical protein CYLTODRAFT\_422976 [Cylindrobasidium torrendii FP15055 ss-10] | 0.239186616 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr04\_AA\_00685 | hypothetical protein CYLTODRAFT\_369578 [Cylindrobasidium torrendii FP15055 ss-10] | 0.166438635 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00056 | glycoside hydrolase family 20 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.21488546 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00082 | glycoside hydrolase family 20 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.235014473 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00112 | hypothetical protein STEHIDRAFT\_155150 [Stereum hirsutum FP-91666 SS1] &gt;EIM87778.1 hypothetical protein STEHIDRAFT\_155150 [Stereum hirsutum FP-91666 SS1] | 0.151699156 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00118 | glycoside hydrolase family 37 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.211672827 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00317 | hypothetical protein CYLTODRAFT\_450559 [Cylindrobasidium torrendii FP15055 ss-10] | 0.271233467 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00370 | hypothetical protein GALMADRAFT\_90776 [Galerina marginata CBS 339.88] | 0.200139656 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00421 | ribosomal protein S5 domain 2-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.130248022 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00473 | hypothetical protein CYLTODRAFT\_449880 [Cylindrobasidium torrendii FP15055 ss-10] | 0.170973203 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00481 | hypothetical protein CYLTODRAFT\_424727 [Cylindrobasidium torrendii FP15055 ss-10] | 0.241768835 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00527 | hypothetical protein NEOLEDRAFT\_1026610, partial [Neolentinus lepideus HHB14362 ss-1] | 0.151011482 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00599 | glycoside hydrolase family 2 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.192400236 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00607 | hypothetical protein CYLTODRAFT\_458172 [Cylindrobasidium torrendii FP15055 ss-10] | 0.117367438 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00686 | glycoside hydrolase family 95 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.27052172 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00812 | acid protease [Armillaria gallica] | 0.124957577 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00845 | general substrate transporter [Armillaria gallica] | 0.181364293 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr05\_AA\_00860 | hypothetical protein ARMGADRAFT\_633196 [Armillaria gallica] | 0.269147301 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00237 | acyl-CoA dehydrogenase NM domain-like protein, partial [Armillaria solidipes] | 0.291923222 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00308 | hypothetical protein CYLTODRAFT\_397357 [Cylindrobasidium torrendii FP15055 ss-10] | 0.107825238 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00315 | mitochondrial carrier [Cylindrobasidium torrendii FP15055 ss-10] | 0.232275516 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00366 | uncharacterized protein ARMOST\_02422 [Armillaria ostoyae] | 0.117429311 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00433 | putative ectomycorrhiza-upregulated exo-beta-1,3-glucanase GH5 [Flammulina velutipes] | 0.181754879 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00511 | hypothetical protein CYLTODRAFT\_487823 [Cylindrobasidium torrendii FP15055 ss-10] | 0.231468064 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00524 | hypothetical protein ARMGADRAFT\_1111301 [Armillaria gallica] | 0.153747824 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00666 | hypothetical protein [Flammulina velutipes] | 0.115792146 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00682 | hypothetical protein HYDPIDRAFT\_112868 [Hydnomerulius pinastri MD-312] | 0.111983931 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00694 | Zinc-regulated transporter 1 [Hypsizygus marmoreus] | 0.183062345 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00703 | hypothetical protein CYLTODRAFT\_398145 [Cylindrobasidium torrendii FP15055 ss-10] | 0.241586628 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00707 | glycerol kinase [Armillaria solidipes] | 0.228386905 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | 0.253620824 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00949 | hypothetical protein CYLTODRAFT\_427642 [Cylindrobasidium torrendii FP15055 ss-10] | 0.145748483 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_01031 | glycoside hydrolase family 43 protein [Periconia macrospinosa] | 0.166019872 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00156 | uncharacterized protein ARMOST\_00326 [Armillaria ostoyae] | 0.237107399 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00159 | FAD-binding domain-containing protein [Armillaria solidipes] | 0.108373651 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00281 | NAD(P)-binding protein [Armillaria gallica] | 0.252702065 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00380 | ectomycorrhiza-regulated esterase [Armillaria solidipes] | 0.179528867 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00414 | MFS general substrate transporter [Armillaria gallica] | 0.239927401 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00419 | hypothetical protein CYLTODRAFT\_277105 [Cylindrobasidium torrendii FP15055 ss-10] | 0.107405747 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00464 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | 0.147290718 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00560 | hypothetical protein CYLTODRAFT\_416229 [Cylindrobasidium torrendii FP15055 ss-10] | 0.253343331 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00561 | hypothetical protein ARMGADRAFT\_1031622 [Armillaria gallica] | 0.12650683 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00567 | hypothetical protein CYLTODRAFT\_406012 [Cylindrobasidium torrendii FP15055 ss-10] | 0.124634244 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00601 | hypothetical protein GYMLUDRAFT\_71620 [Gymnopus luxurians FD-317 M1] | 0.13260454 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00617 | NAD-dependent formate dehydrogenase [Moniliophthora perniciosa] | 0.282835664 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00645 | aldehyde dehydrogenase [Armillaria gallica] | 0.177070945 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00703 | potassium/sodium eff [Cylindrobasidium torrendii FP15055 ss-10] | 0.259748138 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00722 | hypothetical protein K443DRAFT\_93998 [Laccaria amethystina LaAM-08-1] | 0.202166721 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00739 | hypothetical protein CYLTODRAFT\_417357 [Cylindrobasidium torrendii FP15055 ss-10] | 0.235979705 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00756 | SAICAR synthase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.138274877 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00826 | Metallo-hydrolase/oxidoreductase [Armillaria gallica] | 0.146567065 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00827 | hypothetical protein LENED\_003150 [Lentinula edodes] | 0.20669002 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00829 | general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.20060531 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00907 | uncharacterized protein ARMOST\_00985 [Armillaria ostoyae] | 0.207983232 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00951 | acyl-CoA dehydrogenase domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.146843958 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_01020 | extracellular GDSL-like lipase/acylhydrolase [Glonium stellatum] | 0.201065193 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_01021 | hypothetical protein PLEOSDRAFT\_1096996 [Pleurotus ostreatus PC15] | 0.22439598 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_01044 | uncharacterized protein ARMOST\_19175 [Armillaria ostoyae] | 0.249404522 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_01051 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.189935104 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_01089 | cysteine proteinase [Cylindrobasidium torrendii FP15055 ss-10] | 0.256427858 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00018 | putative peroxiredoxin Q [Flammulina velutipes] | 0.222754925 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00106 | hypothetical protein ARMGADRAFT\_100162 [Armillaria gallica] | 0.151578454 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00260 | CDF-like metal transporter [Armillaria solidipes] | 0.179601495 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00287 | hypothetical protein PLICRDRAFT\_118622 [Plicaturopsis crispa FD-325 SS-3] | 0.143851837 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00338 | DUF1479-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.274113951 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00383 | NAD(P)-binding protein [Armillaria gallica] | 0.103037622 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00413 | hypothetical protein ARMGADRAFT\_391312 [Armillaria gallica] | 0.180349139 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00501 | hypothetical protein CYLTODRAFT\_416851 [Cylindrobasidium torrendii FP15055 ss-10] | 0.231479831 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00542 | hypothetical protein ARMGADRAFT\_1159894 [Armillaria gallica] | 0.227734482 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00621 | hypothetical protein ARMGADRAFT\_982650 [Armillaria gallica] | 0.219376282 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00651 | related to isp4-oligopeptide transporter [Armillaria ostoyae] | 0.165843423 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | 0.297006505 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00856 | cytochrome p450 [Moniliophthora roreri MCA 2997] | 0.162465743 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | 0.268708598 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00936 | MFS general substrate transporter [Armillaria gallica] | 0.204266802 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00948 | probable glutamate dehydrogenase, NAD(+)-specific [Armillaria ostoyae] | 0.193335803 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00984 | cytochrome P450 monooxygenase pc-bph [Armillaria gallica] | 0.205347279 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | 0.262020897 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01046 | MFS general substrate transporter [Armillaria gallica] | 0.229087068 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01069 | alpha/beta-hydrolase [Armillaria solidipes] | 0.153571582 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01077 | GroES-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.124135248 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01081 | uncharacterized protein ARMOST\_20173 [Armillaria ostoyae] | 0.151943692 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01091 | uncharacterized protein ARMOST\_03386 [Armillaria ostoyae] | 0.260468743 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01097 | hypothetical protein GYMLUDRAFT\_32937 [Gymnopus luxurians FD-317 M1] | 0.225595023 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01155 | related to 3-oxoacyl CoA thiolase [Armillaria ostoyae] | 0.235846826 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01172 | carbohydrate esterase family 1 protein, partial [Cylindrobasidium torrendii FP15055 ss-10] | 0.147569786 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01176 | hypothetical protein HYPSUDRAFT\_61393 [Hypholoma sublateritium FD-334 SS-4] | 0.167711729 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01257 | hypothetical protein ARMSODRAFT\_949486 [Armillaria solidipes] | 0.260564651 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01259 | Aldo/keto reductase [Armillaria gallica] | 0.235426384 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00036 | hypothetical protein ARMGADRAFT\_1070289 [Armillaria gallica] | 0.225720769 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00051 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.282683246 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00052 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.309321349 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00095 | hypothetical protein CYLTODRAFT\_422329 [Cylindrobasidium torrendii FP15055 ss-10] | 0.202304734 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00100 | hypothetical protein K503DRAFT\_238266 [Rhizopogon vinicolor AM-OR11-026] | 0.171259972 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00162 | hypothetical protein ARMGADRAFT\_961910 [Armillaria gallica] | 0.22477545 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00190 | putative exo-beta-1,3-glucanase [Flammulina velutipes] | 0.194977033 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00191 | exo-beta-1,3-glucanase [Armillaria solidipes] | 0.194650969 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00229 | succinyl-CoA:3-ketoacid-coenzyme A transferase [Cylindrobasidium torrendii FP15055 ss-10] | 0.199385023 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | 0.247827433 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00312 | putative beta-glucosidase [Flammulina velutipes] | 0.136324982 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00406 | uncharacterized protein ARMOST\_17180 [Armillaria ostoyae] | 0.196736549 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00410 | hypothetical protein AMATHDRAFT\_73341 [Amanita thiersii Skay4041] | 0.123904404 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00518 | AAA-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.222002627 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00680 | hypothetical protein CYLTODRAFT\_395198 [Cylindrobasidium torrendii FP15055 ss-10] | 0.213757139 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00719 | hypothetical protein PLEOSDRAFT\_1093927 [Pleurotus ostreatus PC15] | 0.260970873 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00762 | transketolase [Armillaria solidipes] | 0.147687826 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00816 | mandelate racemase muconate lactonizing enzyme family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.125771058 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00838 | cytochrome P450 [Armillaria gallica] | 0.212627719 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00892 | hypothetical protein CYLTODRAFT\_431446 [Cylindrobasidium torrendii FP15055 ss-10] | 0.232624409 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00955 | putative endo-1,4-beta-xylanase precursor [Flammulina velutipes] | 0.147110476 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01058 | hypothetical protein ARMSODRAFT\_976614 [Armillaria solidipes] | 0.217288874 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01099 | general substrate transporter [Armillaria gallica] | 0.201713187 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01103 | Metallo-dependent phosphatase [Armillaria solidipes] | 0.265248138 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01106 | multidrug transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.190149769 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01141 | hypothetical protein ARMGADRAFT\_1063089 [Armillaria gallica] | 0.168915274 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01190 | potassium/sodium eff [Cylindrobasidium torrendii FP15055 ss-10] | 0.226559165 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01214 | hypothetical protein CYLTODRAFT\_417942 [Cylindrobasidium torrendii FP15055 ss-10] | 0.231932965 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01224 | uncharacterized protein ARMOST\_22339 [Armillaria ostoyae] | 0.182961761 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01410 | hypothetical protein CYLTODRAFT\_489277 [Cylindrobasidium torrendii FP15055 ss-10] | 0.115850384 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00134 | hypothetical protein CYLTODRAFT\_349864 [Cylindrobasidium torrendii FP15055 ss-10] | 0.179113554 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00164 | dehydrogenase E1 and transketolase domain-containing protein 1 [Cylindrobasidium torrendii FP15055 ss-10] | 0.238339359 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00220 | hypothetical protein ARMGADRAFT\_962646, partial [Armillaria gallica] | 0.231159531 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00256 | uncharacterized protein ARMOST\_03672 [Armillaria ostoyae] | 0.160086155 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00270 | branched-chain alpha-keto acid dehydrogenase E1-alpha subunit [Cylindrobasidium torrendii FP15055 ss-10] | 0.224794032 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00441 | alpha/beta-hydrolase [Armillaria solidipes] | 0.268723323 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00499 | hypothetical protein WG66\_16220 [Moniliophthora roreri] | 0.265215095 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00517 | hypothetical protein CYLTODRAFT\_256211 [Cylindrobasidium torrendii FP15055 ss-10] | 0.189893042 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00651 | hypothetical protein ARMGADRAFT\_897215, partial [Armillaria gallica] | 0.272841544 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00662 | Ureohydrolase [Armillaria gallica] | 0.27488554 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | 0.301448221 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00733 | Zinc-regulated transporter 1 [Hypsizygus marmoreus] | 0.153327739 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00735 | glycoside hydrolase family 31 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.143935347 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00944 | general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.238134089 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01056 | hypothetical protein ARMGADRAFT\_1020988 [Armillaria gallica] | 0.114664092 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01063 | glycoside hydrolase family 43 protein [Amanita thiersii Skay4041] | 0.192931132 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01143 | uncharacterized protein ARMOST\_08409 [Armillaria ostoyae] | 0.276422682 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01157 | glycoside hydrolase family 53 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.283061017 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01201 | acyltransferase ChoActase/COT/CPT [Armillaria gallica] | 0.18425622 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01213 | hypothetical protein JAAARDRAFT\_210932 [Jaapia argillacea MUCL 33604] | 0.175684973 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01231 | hypothetical protein ARMSODRAFT\_1019532 [Armillaria solidipes] | 0.235036287 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01309 | hypothetical protein PHLCEN\_2v2282 [Phlebia centrifuga] | 0.127144447 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01341 | glucuronyl hydrolase [Armillaria solidipes] | 0.285263563 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01576 | D-arabinitol 2-dehydrogenase [ribulose-forming] [Hypsizygus marmoreus] | 0.177300237 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01664 | hypothetical protein CYLTODRAFT\_404266 [Cylindrobasidium torrendii FP15055 ss-10] | 0.296389798 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00042 | kinase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.278660942 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00094 | homogentisate 1,2-dioxygenase [Armillaria solidipes] | 0.169529472 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00103 | hypothetical protein M413DRAFT\_370146 [Hebeloma cylindrosporum h7] | 0.229789956 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00145 | hypothetical protein CYLTODRAFT\_243491 [Cylindrobasidium torrendii FP15055 ss-10] | 0.145438174 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00233 | hypothetical protein ARMGADRAFT\_977028 [Armillaria gallica] | 0.158214089 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00265 | FAD-linked oxidoreductase [Armillaria solidipes] | 0.204845038 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00277 | uncharacterized protein ARMOST\_10602 [Armillaria ostoyae] | 0.114228472 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00499 | GroES-like protein [Armillaria solidipes] | 0.23684416 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00504 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.266804418 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00606 | hypothetical protein CYLTODRAFT\_418833 [Cylindrobasidium torrendii FP15055 ss-10] | 0.231282817 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00638 | hypothetical protein ARMSODRAFT\_953107 [Armillaria solidipes] | 0.15017919 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00701 | uncharacterized protein ARMOST\_05344 [Armillaria ostoyae] | 0.125794057 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00719 | hypothetical protein ARMGADRAFT\_1019784, partial [Armillaria gallica] | 0.115412095 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | 0.331523591 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00790 | uncharacterized protein ARMOST\_05401 [Armillaria ostoyae] | 0.152690479 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00878 | hypothetical protein CYLTODRAFT\_430286 [Cylindrobasidium torrendii FP15055 ss-10] | 0.228575725 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00928 | putative malate synthase [Flammulina velutipes] | 0.237953993 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00997 | Annexin [Cylindrobasidium torrendii FP15055 ss-10] | 0.200941785 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.257538092 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01042 | acetoin reductase family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.158430188 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01046 | hypothetical protein CYLTODRAFT\_428160 [Cylindrobasidium torrendii FP15055 ss-10] | 0.222000477 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01097 | glycoside hydrolase family 3 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.196804533 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01106 | related to stomatin [Armillaria ostoyae] | 0.177198671 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01313 | hypothetical protein Hypma\_000372 [Hypsizygus marmoreus] | 0.245634605 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01324 | terpenoid synthase [Cylindrobasidium torrendii FP15055 ss-10] | 0.164179403 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01456 | uncharacterized protein ARMOST\_16541 [Armillaria ostoyae] | 0.198199712 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01461 | ricin B-like lectin [Armillaria gallica] | 0.151021709 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01510 | hypothetical protein ARMGADRAFT\_1015707 [Armillaria gallica] | 0.113360617 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01636 | hypothetical protein CYLTODRAFT\_421880 [Cylindrobasidium torrendii FP15055 ss-10] | 0.248510324 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01644 | hypothetical protein CYLTODRAFT\_438918 [Cylindrobasidium torrendii FP15055 ss-10] | 0.114306805 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01664 | hypothetical protein CYLTODRAFT\_421876 [Cylindrobasidium torrendii FP15055 ss-10] | 0.199508379 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01685 | 1-aminocyclopropane-1-carboxylate deaminase [Armillaria solidipes] | 0.136525489 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01686 | hypothetical protein CYLTODRAFT\_348076 [Cylindrobasidium torrendii FP15055 ss-10] | 0.262666015 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01711 | hypothetical protein ARMGADRAFT\_1046867 [Armillaria gallica] | 0.27207836 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01732 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.212026783 |
| chr02\_AA\_00171 | hypothetical protein CYLTODRAFT\_425697 [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01733 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.218760366 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_00856 | cytochrome p450 [Moniliophthora roreri MCA 2997] | 0.23440294 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | 0.294991574 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_00936 | MFS general substrate transporter [Armillaria gallica] | 0.257895547 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_00948 | probable glutamate dehydrogenase, NAD(+)-specific [Armillaria ostoyae] | 0.211877283 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_00984 | cytochrome P450 monooxygenase pc-bph [Armillaria gallica] | 0.256481636 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | 0.278699038 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_01046 | MFS general substrate transporter [Armillaria gallica] | 0.276351221 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_01069 | alpha/beta-hydrolase [Armillaria solidipes] | 0.177445718 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_01077 | GroES-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.185660946 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_01081 | uncharacterized protein ARMOST\_20173 [Armillaria ostoyae] | 0.180052208 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_01091 | uncharacterized protein ARMOST\_03386 [Armillaria ostoyae] | 0.288914212 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_01097 | hypothetical protein GYMLUDRAFT\_32937 [Gymnopus luxurians FD-317 M1] | 0.176873325 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_01155 | related to 3-oxoacyl CoA thiolase [Armillaria ostoyae] | 0.258344218 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_01172 | carbohydrate esterase family 1 protein, partial [Cylindrobasidium torrendii FP15055 ss-10] | 0.195586095 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_01176 | hypothetical protein HYPSUDRAFT\_61393 [Hypholoma sublateritium FD-334 SS-4] | 0.255433828 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_01257 | hypothetical protein ARMSODRAFT\_949486 [Armillaria solidipes] | 0.276424661 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr08\_AA\_01259 | Aldo/keto reductase [Armillaria gallica] | 0.280178956 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00023 | hypothetical protein WG66\_107 [Moniliophthora roreri] | 0.112188828 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00036 | hypothetical protein ARMGADRAFT\_1070289 [Armillaria gallica] | 0.174981217 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00051 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.273417923 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00052 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.253240979 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00095 | hypothetical protein CYLTODRAFT\_422329 [Cylindrobasidium torrendii FP15055 ss-10] | 0.274668328 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00100 | hypothetical protein K503DRAFT\_238266 [Rhizopogon vinicolor AM-OR11-026] | 0.254424158 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00139 | hypothetical protein CYLTODRAFT\_424555 [Cylindrobasidium torrendii FP15055 ss-10] | 0.174750818 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00162 | hypothetical protein ARMGADRAFT\_961910 [Armillaria gallica] | 0.299509243 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00190 | putative exo-beta-1,3-glucanase [Flammulina velutipes] | 0.149108116 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00191 | exo-beta-1,3-glucanase [Armillaria solidipes] | 0.150748829 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00229 | succinyl-CoA:3-ketoacid-coenzyme A transferase [Cylindrobasidium torrendii FP15055 ss-10] | 0.263349468 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | 0.264615484 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00312 | putative beta-glucosidase [Flammulina velutipes] | 0.197436638 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00406 | uncharacterized protein ARMOST\_17180 [Armillaria ostoyae] | 0.209962522 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00410 | hypothetical protein AMATHDRAFT\_73341 [Amanita thiersii Skay4041] | 0.104271623 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00518 | AAA-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.235967288 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00551 | hypothetical protein CYLTODRAFT\_392634 [Cylindrobasidium torrendii FP15055 ss-10] | 0.185417437 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00680 | hypothetical protein CYLTODRAFT\_395198 [Cylindrobasidium torrendii FP15055 ss-10] | 0.278882584 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00719 | hypothetical protein PLEOSDRAFT\_1093927 [Pleurotus ostreatus PC15] | 0.270602697 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00762 | transketolase [Armillaria solidipes] | 0.19545069 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00816 | mandelate racemase muconate lactonizing enzyme family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.192533055 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00838 | cytochrome P450 [Armillaria gallica] | 0.239483945 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00892 | hypothetical protein CYLTODRAFT\_431446 [Cylindrobasidium torrendii FP15055 ss-10] | 0.267943846 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_00955 | putative endo-1,4-beta-xylanase precursor [Flammulina velutipes] | 0.218403487 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_01058 | hypothetical protein ARMSODRAFT\_976614 [Armillaria solidipes] | 0.266568697 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_01099 | general substrate transporter [Armillaria gallica] | 0.231563587 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_01103 | Metallo-dependent phosphatase [Armillaria solidipes] | 0.289125912 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_01106 | multidrug transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.148462434 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_01141 | hypothetical protein ARMGADRAFT\_1063089 [Armillaria gallica] | 0.246339073 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_01190 | potassium/sodium eff [Cylindrobasidium torrendii FP15055 ss-10] | 0.267217148 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_01214 | hypothetical protein CYLTODRAFT\_417942 [Cylindrobasidium torrendii FP15055 ss-10] | 0.273111956 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_01224 | uncharacterized protein ARMOST\_22339 [Armillaria ostoyae] | 0.165723056 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_01225 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.159933362 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_01324 | uncharacterized protein ARMOST\_03294 [Armillaria ostoyae] | 0.121310011 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr09\_AA\_01410 | hypothetical protein CYLTODRAFT\_489277 [Cylindrobasidium torrendii FP15055 ss-10] | 0.158818809 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00134 | hypothetical protein CYLTODRAFT\_349864 [Cylindrobasidium torrendii FP15055 ss-10] | 0.275076542 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00164 | dehydrogenase E1 and transketolase domain-containing protein 1 [Cylindrobasidium torrendii FP15055 ss-10] | 0.29169015 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00220 | hypothetical protein ARMGADRAFT\_962646, partial [Armillaria gallica] | 0.27361884 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00256 | uncharacterized protein ARMOST\_03672 [Armillaria ostoyae] | 0.246114799 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00270 | branched-chain alpha-keto acid dehydrogenase E1-alpha subunit [Cylindrobasidium torrendii FP15055 ss-10] | 0.281139789 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00441 | alpha/beta-hydrolase [Armillaria solidipes] | 0.283278597 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00499 | hypothetical protein WG66\_16220 [Moniliophthora roreri] | 0.27111132 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00517 | hypothetical protein CYLTODRAFT\_256211 [Cylindrobasidium torrendii FP15055 ss-10] | 0.262343032 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00651 | hypothetical protein ARMGADRAFT\_897215, partial [Armillaria gallica] | 0.250606771 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00662 | Ureohydrolase [Armillaria gallica] | 0.281158058 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | 0.291655973 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00733 | Zinc-regulated transporter 1 [Hypsizygus marmoreus] | 0.185662909 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00735 | glycoside hydrolase family 31 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.261253409 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00912 | hypothetical protein ARMSODRAFT\_948409 [Armillaria solidipes] | 0.103241341 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_00944 | general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.278317761 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_01056 | hypothetical protein ARMGADRAFT\_1020988 [Armillaria gallica] | 0.177768987 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_01063 | glycoside hydrolase family 43 protein [Amanita thiersii Skay4041] | 0.221432823 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_01143 | uncharacterized protein ARMOST\_08409 [Armillaria ostoyae] | 0.254193847 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_01157 | glycoside hydrolase family 53 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.241734442 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_01201 | acyltransferase ChoActase/COT/CPT [Armillaria gallica] | 0.244570645 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_01213 | hypothetical protein JAAARDRAFT\_210932 [Jaapia argillacea MUCL 33604] | 0.234257894 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_01231 | hypothetical protein ARMSODRAFT\_1019532 [Armillaria solidipes] | 0.279093168 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_01309 | hypothetical protein PHLCEN\_2v2282 [Phlebia centrifuga] | 0.15797543 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_01310 | DUF124-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.106315566 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_01322 | putative laccase 5 [Flammulina velutipes] | 0.169782255 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_01341 | glucuronyl hydrolase [Armillaria solidipes] | 0.241386007 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_01576 | D-arabinitol 2-dehydrogenase [ribulose-forming] [Hypsizygus marmoreus] | 0.227053066 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr10\_AA\_01664 | hypothetical protein CYLTODRAFT\_404266 [Cylindrobasidium torrendii FP15055 ss-10] | 0.25769082 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00042 | kinase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.295623638 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00094 | homogentisate 1,2-dioxygenase [Armillaria solidipes] | 0.200473408 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00103 | hypothetical protein M413DRAFT\_370146 [Hebeloma cylindrosporum h7] | 0.279725287 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00145 | hypothetical protein CYLTODRAFT\_243491 [Cylindrobasidium torrendii FP15055 ss-10] | 0.187214279 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00233 | hypothetical protein ARMGADRAFT\_977028 [Armillaria gallica] | 0.193401278 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00265 | FAD-linked oxidoreductase [Armillaria solidipes] | 0.271880225 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00277 | uncharacterized protein ARMOST\_10602 [Armillaria ostoyae] | 0.16953016 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00499 | GroES-like protein [Armillaria solidipes] | 0.276685614 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00504 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.286085051 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00581 | laccase [Flammulina velutipes] | 0.107916078 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00606 | hypothetical protein CYLTODRAFT\_418833 [Cylindrobasidium torrendii FP15055 ss-10] | 0.257138552 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00638 | hypothetical protein ARMSODRAFT\_953107 [Armillaria solidipes] | 0.214869276 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00701 | uncharacterized protein ARMOST\_05344 [Armillaria ostoyae] | 0.169295677 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00719 | hypothetical protein ARMGADRAFT\_1019784, partial [Armillaria gallica] | 0.185956123 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | 0.326030328 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00790 | uncharacterized protein ARMOST\_05401 [Armillaria ostoyae] | 0.202210764 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00878 | hypothetical protein CYLTODRAFT\_430286 [Cylindrobasidium torrendii FP15055 ss-10] | 0.283463434 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00928 | putative malate synthase [Flammulina velutipes] | 0.265955548 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_00997 | Annexin [Cylindrobasidium torrendii FP15055 ss-10] | 0.295220868 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.288178903 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01042 | acetoin reductase family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.220001526 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01046 | hypothetical protein CYLTODRAFT\_428160 [Cylindrobasidium torrendii FP15055 ss-10] | 0.277481036 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01097 | glycoside hydrolase family 3 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.225806282 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01106 | related to stomatin [Armillaria ostoyae] | 0.263911004 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01313 | hypothetical protein Hypma\_000372 [Hypsizygus marmoreus] | 0.270450793 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01324 | terpenoid synthase [Cylindrobasidium torrendii FP15055 ss-10] | 0.20977126 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01456 | uncharacterized protein ARMOST\_16541 [Armillaria ostoyae] | 0.275454737 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01461 | ricin B-like lectin [Armillaria gallica] | 0.255872028 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01510 | hypothetical protein ARMGADRAFT\_1015707 [Armillaria gallica] | 0.179175707 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01636 | hypothetical protein CYLTODRAFT\_421880 [Cylindrobasidium torrendii FP15055 ss-10] | 0.28371303 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01644 | hypothetical protein CYLTODRAFT\_438918 [Cylindrobasidium torrendii FP15055 ss-10] | 0.200333327 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01664 | hypothetical protein CYLTODRAFT\_421876 [Cylindrobasidium torrendii FP15055 ss-10] | 0.249194236 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01685 | 1-aminocyclopropane-1-carboxylate deaminase [Armillaria solidipes] | 0.256699556 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01686 | hypothetical protein CYLTODRAFT\_348076 [Cylindrobasidium torrendii FP15055 ss-10] | 0.208079492 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01711 | hypothetical protein ARMGADRAFT\_1046867 [Armillaria gallica] | 0.297438568 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01731 | benzoquinone reductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.143726629 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01732 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.282261579 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | chr11\_AA\_01733 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.28098972 |
| chr11\_AA\_01711 | hypothetical protein ARMGADRAFT\_1046867 [Armillaria gallica] | chr11\_AA\_01731 | benzoquinone reductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.14563098 |
| chr11\_AA\_01711 | hypothetical protein ARMGADRAFT\_1046867 [Armillaria gallica] | chr11\_AA\_01732 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.231058976 |
| chr11\_AA\_01711 | hypothetical protein ARMGADRAFT\_1046867 [Armillaria gallica] | chr11\_AA\_01733 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.23701906 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_00949 | hypothetical protein CYLTODRAFT\_427642 [Cylindrobasidium torrendii FP15055 ss-10] | 0.209657615 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr06\_AA\_01031 | glycoside hydrolase family 43 protein [Periconia macrospinosa] | 0.143280005 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00098 | hypothetical protein ARMGADRAFT\_926019 [Armillaria gallica] | 0.113984376 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00156 | uncharacterized protein ARMOST\_00326 [Armillaria ostoyae] | 0.24098164 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00159 | FAD-binding domain-containing protein [Armillaria solidipes] | 0.211906711 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00281 | NAD(P)-binding protein [Armillaria gallica] | 0.273470203 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00380 | ectomycorrhiza-regulated esterase [Armillaria solidipes] | 0.255561049 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00414 | MFS general substrate transporter [Armillaria gallica] | 0.246642194 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00419 | hypothetical protein CYLTODRAFT\_277105 [Cylindrobasidium torrendii FP15055 ss-10] | 0.177610127 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00464 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | 0.225934219 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00560 | hypothetical protein CYLTODRAFT\_416229 [Cylindrobasidium torrendii FP15055 ss-10] | 0.222379946 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00561 | hypothetical protein ARMGADRAFT\_1031622 [Armillaria gallica] | 0.211653187 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00567 | hypothetical protein CYLTODRAFT\_406012 [Cylindrobasidium torrendii FP15055 ss-10] | 0.181339886 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00601 | hypothetical protein GYMLUDRAFT\_71620 [Gymnopus luxurians FD-317 M1] | 0.200303268 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00617 | NAD-dependent formate dehydrogenase [Moniliophthora perniciosa] | 0.202380533 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00645 | aldehyde dehydrogenase [Armillaria gallica] | 0.242047891 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00675 | multidrug resistance protein 1 [Armillaria gallica] | 0.114088988 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00703 | potassium/sodium eff [Cylindrobasidium torrendii FP15055 ss-10] | 0.249983421 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00722 | hypothetical protein K443DRAFT\_93998 [Laccaria amethystina LaAM-08-1] | 0.258392948 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00739 | hypothetical protein CYLTODRAFT\_417357 [Cylindrobasidium torrendii FP15055 ss-10] | 0.217822908 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00756 | SAICAR synthase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.120070198 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00826 | Metallo-hydrolase/oxidoreductase [Armillaria gallica] | 0.175407201 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00827 | hypothetical protein LENED\_003150 [Lentinula edodes] | 0.155974237 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00829 | general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.183924172 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00907 | uncharacterized protein ARMOST\_00985 [Armillaria ostoyae] | 0.179345203 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_00951 | acyl-CoA dehydrogenase domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.21934958 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_01020 | extracellular GDSL-like lipase/acylhydrolase [Glonium stellatum] | 0.177975712 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_01021 | hypothetical protein PLEOSDRAFT\_1096996 [Pleurotus ostreatus PC15] | 0.158025296 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_01044 | uncharacterized protein ARMOST\_19175 [Armillaria ostoyae] | 0.216079523 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_01051 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.164212957 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr07\_AA\_01089 | cysteine proteinase [Cylindrobasidium torrendii FP15055 ss-10] | 0.291878433 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00018 | putative peroxiredoxin Q [Flammulina velutipes] | 0.233491045 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00106 | hypothetical protein ARMGADRAFT\_100162 [Armillaria gallica] | 0.105989982 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00260 | CDF-like metal transporter [Armillaria solidipes] | 0.212280685 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00287 | hypothetical protein PLICRDRAFT\_118622 [Plicaturopsis crispa FD-325 SS-3] | 0.198459662 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00338 | DUF1479-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.24221986 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00413 | hypothetical protein ARMGADRAFT\_391312 [Armillaria gallica] | 0.239319051 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00496 | amidase signature enzyme [Sanghuangporus baumii] | 0.138046275 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00501 | hypothetical protein CYLTODRAFT\_416851 [Cylindrobasidium torrendii FP15055 ss-10] | 0.237417768 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00542 | hypothetical protein ARMGADRAFT\_1159894 [Armillaria gallica] | 0.272499756 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00621 | hypothetical protein ARMGADRAFT\_982650 [Armillaria gallica] | 0.226417067 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00651 | related to isp4-oligopeptide transporter [Armillaria ostoyae] | 0.159503115 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00687 | Clavaminate synthase-like protein [Armillaria solidipes] | 0.292595437 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00856 | cytochrome p450 [Moniliophthora roreri MCA 2997] | 0.222830665 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00858 | cytochrome P450 [Cylindrobasidium torrendii FP15055 ss-10] | 0.25457094 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00936 | MFS general substrate transporter [Armillaria gallica] | 0.180317263 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00948 | probable glutamate dehydrogenase, NAD(+)-specific [Armillaria ostoyae] | 0.187677898 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_00984 | cytochrome P450 monooxygenase pc-bph [Armillaria gallica] | 0.18597182 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01027 | hypothetical protein CYLTODRAFT\_357890 [Cylindrobasidium torrendii FP15055 ss-10] | 0.253973016 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01046 | MFS general substrate transporter [Armillaria gallica] | 0.208382589 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01069 | alpha/beta-hydrolase [Armillaria solidipes] | 0.137571114 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01077 | GroES-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.156503909 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01081 | uncharacterized protein ARMOST\_20173 [Armillaria ostoyae] | 0.199690093 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01091 | uncharacterized protein ARMOST\_03386 [Armillaria ostoyae] | 0.233425952 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01097 | hypothetical protein GYMLUDRAFT\_32937 [Gymnopus luxurians FD-317 M1] | 0.181614262 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01155 | related to 3-oxoacyl CoA thiolase [Armillaria ostoyae] | 0.183774736 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01172 | carbohydrate esterase family 1 protein, partial [Cylindrobasidium torrendii FP15055 ss-10] | 0.149214977 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01176 | hypothetical protein HYPSUDRAFT\_61393 [Hypholoma sublateritium FD-334 SS-4] | 0.228118941 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01257 | hypothetical protein ARMSODRAFT\_949486 [Armillaria solidipes] | 0.255992144 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr08\_AA\_01259 | Aldo/keto reductase [Armillaria gallica] | 0.259568976 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00036 | hypothetical protein ARMGADRAFT\_1070289 [Armillaria gallica] | 0.146236232 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00051 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.252477981 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00052 | GMC oxidoreductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.243564278 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00095 | hypothetical protein CYLTODRAFT\_422329 [Cylindrobasidium torrendii FP15055 ss-10] | 0.244751407 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00100 | hypothetical protein K503DRAFT\_238266 [Rhizopogon vinicolor AM-OR11-026] | 0.231291265 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00139 | hypothetical protein CYLTODRAFT\_424555 [Cylindrobasidium torrendii FP15055 ss-10] | 0.143721996 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00162 | hypothetical protein ARMGADRAFT\_961910 [Armillaria gallica] | 0.252028521 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00190 | putative exo-beta-1,3-glucanase [Flammulina velutipes] | 0.142971933 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00191 | exo-beta-1,3-glucanase [Armillaria solidipes] | 0.14308062 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00229 | succinyl-CoA:3-ketoacid-coenzyme A transferase [Cylindrobasidium torrendii FP15055 ss-10] | 0.213998737 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00241 | SNF2 chromatin remodeling protein [Armillaria solidipes] | 0.259339078 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00312 | putative beta-glucosidase [Flammulina velutipes] | 0.183943408 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00406 | uncharacterized protein ARMOST\_17180 [Armillaria ostoyae] | 0.208186768 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00518 | AAA-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.246845022 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00551 | hypothetical protein CYLTODRAFT\_392634 [Cylindrobasidium torrendii FP15055 ss-10] | 0.133706367 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00680 | hypothetical protein CYLTODRAFT\_395198 [Cylindrobasidium torrendii FP15055 ss-10] | 0.255951573 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00719 | hypothetical protein PLEOSDRAFT\_1093927 [Pleurotus ostreatus PC15] | 0.213115195 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00762 | transketolase [Armillaria solidipes] | 0.122159627 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00816 | mandelate racemase muconate lactonizing enzyme family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.129968313 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00838 | cytochrome P450 [Armillaria gallica] | 0.258109125 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00892 | hypothetical protein CYLTODRAFT\_431446 [Cylindrobasidium torrendii FP15055 ss-10] | 0.237932718 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_00955 | putative endo-1,4-beta-xylanase precursor [Flammulina velutipes] | 0.169685463 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01058 | hypothetical protein ARMSODRAFT\_976614 [Armillaria solidipes] | 0.24346036 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01099 | general substrate transporter [Armillaria gallica] | 0.174919269 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01103 | Metallo-dependent phosphatase [Armillaria solidipes] | 0.229989942 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01106 | multidrug transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.111275323 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01141 | hypothetical protein ARMGADRAFT\_1063089 [Armillaria gallica] | 0.237860327 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01190 | potassium/sodium eff [Cylindrobasidium torrendii FP15055 ss-10] | 0.252058024 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01214 | hypothetical protein CYLTODRAFT\_417942 [Cylindrobasidium torrendii FP15055 ss-10] | 0.239824483 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01224 | uncharacterized protein ARMOST\_22339 [Armillaria ostoyae] | 0.125502946 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01225 | NAD(P)-binding protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.160110644 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01324 | uncharacterized protein ARMOST\_03294 [Armillaria ostoyae] | 0.103461725 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr09\_AA\_01410 | hypothetical protein CYLTODRAFT\_489277 [Cylindrobasidium torrendii FP15055 ss-10] | 0.21768577 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00134 | hypothetical protein CYLTODRAFT\_349864 [Cylindrobasidium torrendii FP15055 ss-10] | 0.218688374 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00164 | dehydrogenase E1 and transketolase domain-containing protein 1 [Cylindrobasidium torrendii FP15055 ss-10] | 0.239286911 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00220 | hypothetical protein ARMGADRAFT\_962646, partial [Armillaria gallica] | 0.246806937 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00256 | uncharacterized protein ARMOST\_03672 [Armillaria ostoyae] | 0.226700852 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00270 | branched-chain alpha-keto acid dehydrogenase E1-alpha subunit [Cylindrobasidium torrendii FP15055 ss-10] | 0.269348911 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00441 | alpha/beta-hydrolase [Armillaria solidipes] | 0.255729985 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00499 | hypothetical protein WG66\_16220 [Moniliophthora roreri] | 0.230101537 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00517 | hypothetical protein CYLTODRAFT\_256211 [Cylindrobasidium torrendii FP15055 ss-10] | 0.233912851 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00651 | hypothetical protein ARMGADRAFT\_897215, partial [Armillaria gallica] | 0.232522039 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00662 | Ureohydrolase [Armillaria gallica] | 0.27564701 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00693 | hypothetical protein ARMSODRAFT\_947720 [Armillaria solidipes] | 0.260739061 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00733 | Zinc-regulated transporter 1 [Hypsizygus marmoreus] | 0.120347079 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00735 | glycoside hydrolase family 31 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.219198493 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00912 | hypothetical protein ARMSODRAFT\_948409 [Armillaria solidipes] | 0.105197716 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_00944 | general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.204645379 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01056 | hypothetical protein ARMGADRAFT\_1020988 [Armillaria gallica] | 0.182250371 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01063 | glycoside hydrolase family 43 protein [Amanita thiersii Skay4041] | 0.171337142 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01143 | uncharacterized protein ARMOST\_08409 [Armillaria ostoyae] | 0.266250383 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01157 | glycoside hydrolase family 53 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.216415743 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01201 | acyltransferase ChoActase/COT/CPT [Armillaria gallica] | 0.169349593 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01213 | hypothetical protein JAAARDRAFT\_210932 [Jaapia argillacea MUCL 33604] | 0.25262569 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01231 | hypothetical protein ARMSODRAFT\_1019532 [Armillaria solidipes] | 0.249124876 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01309 | hypothetical protein PHLCEN\_2v2282 [Phlebia centrifuga] | 0.163696958 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01310 | DUF124-domain-containing protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.111739112 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01322 | putative laccase 5 [Flammulina velutipes] | 0.132918287 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01341 | glucuronyl hydrolase [Armillaria solidipes] | 0.204405593 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01390 | hypothetical protein CYLTODRAFT\_414265 [Cylindrobasidium torrendii FP15055 ss-10] | 0.101849068 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01576 | D-arabinitol 2-dehydrogenase [ribulose-forming] [Hypsizygus marmoreus] | 0.150350439 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr10\_AA\_01664 | hypothetical protein CYLTODRAFT\_404266 [Cylindrobasidium torrendii FP15055 ss-10] | 0.239224819 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00042 | kinase-like protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.227807261 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00094 | homogentisate 1,2-dioxygenase [Armillaria solidipes] | 0.213432205 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00103 | hypothetical protein M413DRAFT\_370146 [Hebeloma cylindrosporum h7] | 0.22688012 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00145 | hypothetical protein CYLTODRAFT\_243491 [Cylindrobasidium torrendii FP15055 ss-10] | 0.113114872 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00233 | hypothetical protein ARMGADRAFT\_977028 [Armillaria gallica] | 0.219461175 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00265 | FAD-linked oxidoreductase [Armillaria solidipes] | 0.220539422 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00277 | uncharacterized protein ARMOST\_10602 [Armillaria ostoyae] | 0.195751299 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00499 | GroES-like protein [Armillaria solidipes] | 0.273670316 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00504 | MFS general substrate transporter [Cylindrobasidium torrendii FP15055 ss-10] | 0.246516162 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00606 | hypothetical protein CYLTODRAFT\_418833 [Cylindrobasidium torrendii FP15055 ss-10] | 0.190282602 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00638 | hypothetical protein ARMSODRAFT\_953107 [Armillaria solidipes] | 0.216310324 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00701 | uncharacterized protein ARMOST\_05344 [Armillaria ostoyae] | 0.108206127 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00719 | hypothetical protein ARMGADRAFT\_1019784, partial [Armillaria gallica] | 0.199670253 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00724 | WD40 repeat-like protein [Armillaria solidipes] | 0.316138045 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00790 | uncharacterized protein ARMOST\_05401 [Armillaria ostoyae] | 0.138522128 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00878 | hypothetical protein CYLTODRAFT\_430286 [Cylindrobasidium torrendii FP15055 ss-10] | 0.243668476 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00928 | putative malate synthase [Flammulina velutipes] | 0.233035855 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_00997 | Annexin [Cylindrobasidium torrendii FP15055 ss-10] | 0.240691062 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01033 | glycoside hydrolase family 51 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.267707507 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01042 | acetoin reductase family protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.184003532 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01046 | hypothetical protein CYLTODRAFT\_428160 [Cylindrobasidium torrendii FP15055 ss-10] | 0.215292987 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01097 | glycoside hydrolase family 3 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.15337217 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01106 | related to stomatin [Armillaria ostoyae] | 0.198648103 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01313 | hypothetical protein Hypma\_000372 [Hypsizygus marmoreus] | 0.27075897 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01324 | terpenoid synthase [Cylindrobasidium torrendii FP15055 ss-10] | 0.214480384 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01456 | uncharacterized protein ARMOST\_16541 [Armillaria ostoyae] | 0.224264475 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01461 | ricin B-like lectin [Armillaria gallica] | 0.211196225 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01510 | hypothetical protein ARMGADRAFT\_1015707 [Armillaria gallica] | 0.110517164 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01636 | hypothetical protein CYLTODRAFT\_421880 [Cylindrobasidium torrendii FP15055 ss-10] | 0.232082494 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01644 | hypothetical protein CYLTODRAFT\_438918 [Cylindrobasidium torrendii FP15055 ss-10] | 0.199346971 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01664 | hypothetical protein CYLTODRAFT\_421876 [Cylindrobasidium torrendii FP15055 ss-10] | 0.178434434 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01685 | 1-aminocyclopropane-1-carboxylate deaminase [Armillaria solidipes] | 0.193365344 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01686 | hypothetical protein CYLTODRAFT\_348076 [Cylindrobasidium torrendii FP15055 ss-10] | 0.219769794 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01711 | hypothetical protein ARMGADRAFT\_1046867 [Armillaria gallica] | 0.279578751 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01731 | benzoquinone reductase [Cylindrobasidium torrendii FP15055 ss-10] | 0.157075017 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01732 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.208591244 |
| chr06\_AA\_00738 | pyridoxal phosphate-dependent enzyme, beta subunit [Cylindrobasidium torrendii FP15055 ss-10] | chr11\_AA\_01733 | glycoside hydrolase family 76 protein [Cylindrobasidium torrendii FP15055 ss-10] | 0.212078557 |

Gene1 represent hub nodes while gene2 represent associated nodes in the co-expression network. The value of weight represents the correlation between two genes in a edge.

Supplementary Table S7. Information of 19 stress response related genes

|  |  |  |
| --- | --- | --- |
| Gene ID | Gene annotation | log2(fold change） |
| chr09\_AA\_00190 | exo-beta-1,3-glucanase | 5.18 |
| chr09\_AA\_00191 | exo-beta-1,3-glucanase | 4.71 |
| chr06\_AA\_00433 | exo-beta-1,3-glucanase | 6.02 |
| chr11\_AA\_00595 | chitin deacetylase | 3.51 |
| chr08\_AA\_00984 | cytochrome P450 | 4.32 |
| chr07\_AA\_00464 | cytochrome P450 | 2.16 |
| chr08\_AA\_00856 | cytochrome p450 | 1.59 |
| chr07\_AA\_01008 | cytochrome p450 | 1.53 |
| chr09\_AA\_00838 | cytochrome P450 | 1.92 |
| chr08\_AA\_00858 | cytochrome P450 | 2.50 |
| chr09\_AA\_01114 | glutathione S-transferase | 3.26 |
| chr08\_AA\_00687 | Clavaminate synthase-like protein | 1.42 |
| chr11\_AA\_00504 | MFS general substrate transporter | 1.57 |
| chr08\_AA\_01046 | MFS general substrate transporter | 3.78 |
| chr08\_AA\_00936 | MFS general substrate transporter | 1.52 |
| chr07\_AA\_01051 | MFS general substrate transporter | 2.53 |
| chr07\_AA\_00414 | MFS general substrate transporter | 2.51 |
| chr08\_AA\_01259 | Aldo/keto reductase | 1.88 |
| chr10\_AA\_00996 | tyrosinase | 1.55 |