**Table S8. Transcripts of melanin synthesis proteins.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PaNo** | **Annotation in the *P. anserina* genome database** | **FC (grisea/wt)** | **Tpm (wt)** | **Tpm (grisea)** | **P value** |
| Pa\_2\_510 | PaPKS1 melanin biosynthesis polyketide synthase encoded by the PaPKS1 gene | 0.38 | 19.88 | 7.58 | 0.000 |
| Pa\_5\_11880 | Putative tetrahydroxy­naphthalene reductase | 0.11 | 40.67 | 4.35 | 0.000 |
| Pa\_7\_11610 | Putative scytalone dehydratase | 0.30 | 7.44 | 2.24 | 0.000 |
| Pa\_5\_1990 | Putative hydroxynaphthalene reductase | 0.24 | 31.56 | 7.44 | 0.000 |
| Pa\_1\_15470 | Putative laccase precursor | 0.23 | 79.28 | 18.52 | 0.000 |
| Pa\_5\_1200 | Laccase-2 precursor | (ns) | 0.26 | 0.14 | 0.693 |
| Pa\_5\_4140 | Putative laccase precursor | 0.04 | 86.98 | 3.65 | 0.000 |
| Pa\_5\_4660 | Putative laccase precursor | - | - | - | - |
| Pa\_5\_9860 | Putative laccase precursor | 6.99 | 2.95 | 20.62 | 0.000 |
| Pa\_6\_10630 | Putative laccase precursor | - | - | - | - |
| Pa\_6\_7880 | Putative laccase precursor | 0.37 | 5656.32 | 2070.17 | 0.000 |
| Pa\_7\_3560 | Putative laccase precursor | 1.78 | 1.03 | 1.82 | 0.201 |
| Pa\_7\_4200 | Putative laccase precursor | - | - | - | - |

PaNo: accession number in the *P. anserina* genome database as found by the blast search. FC: the difference of expression comparing grisea mutant strain to wild type (fold change). Tpm: the number of transcript molecules normalized as tags per million. P value: the significance level of differential expression comparing the *Podospora* grisea mutant strain to the wild type. (ns) indicates a non-significant differential expression (p>0.01).