**Supplemental Table 4.** AveragedRNA expression levels (FPKM) from vegetative mycelium of a liquid shaken culture of *A. niger* N402. Culture conditions and RNA isolation, sequencing and analysis were performed as described in Material and Methods with the following modifications. Conidia (109) were grown in a 1 liter Erlenmeyer for 20 h at 250 rpm and 30 °C in 250 ml TM (Kusters-van Someren et al., 1991) with 25 mM maltose as carbon source. Micro-colonies were washed with ST and H2O and growth was prolonged for 4 h in 250 ml MM with 25 mM maltose. Mycelium of biological duplicates was fixed in 70 % ethanol, taken up in 0.1 ml RNA*later* (Qiagen, www.qiagen.com)*,* and frozen in liquid N2. Mycelium was homogenized in a stainless steel grinding jar using a TissueLyser II (Qiagen). RNA was isolated using the NucleoSpin RNA II kit (Macherey-Nagel; [www.mn-net.com](http://www.mn-net.com)) and sequenced at ServiceXS (www.servicexs.com) using an Illumina HiSeq2500 system.

|  |  |  |
| --- | --- | --- |
| ProteinId | Name | FPKM |
| 1143632 | *mtdA* | 78,84 |
| 1180887 | *ctcB* | 4,15 |
| 1152313 | *cfc1* | 0,78 |
| 1209349 | *conJ* | 58,73 |
| 1128422 | *fhk1* | 8,43 |
| 1155727 | *catA* | 5,52 |
| 1145517 | *gpdA* | 5676,90 |
| 1123425 | *cpcC* | 27,81 |
| 1144666 | *mpdA* | 1054,56 |
| 1166799 | *glaA* | 1628,45 |

Kusters-van Someren, M.A., Harmsen, J.A.M., Kester, H.C.M., Visser J., 1991. Structure of the Aspergillus niger pelA gene and its expression in Aspergillus niger and Aspergillus nidulans. Curr. Genet. 20, 293-299.