**Table S2**. Additional proteins differentially expressed in SigX overexpressing strain.

|  |  |  |  |
| --- | --- | --- | --- |
| **Protein (gene)** | **Functiona** | **ALB04 3h/ ALB01 3hb** | **ALB04 28h/ ALB013hc** |
| **Metabolic pathways other than fatty acid biosynthesis** | | | |
| PA14\_29110 (*cysK*) | cysteine synthase A | 19.50 | 4.43 |
| PA14\_23500 (*tyrB*) | aromatic amino acid aminotransferase | 2.09 | 1.06 |
| PA14\_43970 (*lpdG*) | dihydrolipoamide dehydrogenase (operon *sucAB-lpdG;* Krebs cycle) | 2.05 | 1.35 |
| PA14\_44010 (*sucA*) | 2-oxoglutarate dehydrogenase E1 component (operon *sucAB-lpdG;* Krebs cycle) | 1.84 | 0.4 |
| PA14\_43940 (*sucD*) | succinyl-CoA synthetase subunit alpha (Krebs cycle) | 1.47 | 0.9 |
| PA14\_43950 (*sucC*) | succinyl-CoA synthetase subunit beta (Krebs cycle) | 1.38 | 0.93 |
| PA14\_09420 (*phzF1*) or PA14\_39890 (*phzF2*) | phenazine biosynthesis protein PhzF | 0.64 | 1.68 |
| PA14\_09450 (*phzD1*) or PA14\_39925 (*phzD2*) | phenazine biosynthesis protein PhzD | 0.61 | 1.54 |
| **Regulatory function** | | | |
| PA14\_08710 (*nusG*) | transcription antitermination protein NusG | 1.42 | 0.17 |
| PA14\_22470 | LysR family transcriptional regulator | 0.67 | 2.04 |
| **Translation and protein metabolism** | | | |
| PA14\_46950 | putative ATP-binding component of ABC transporter | 6.50 | 1.84 |
| PA14\_41240 (*clpP*) | ATP-dependent Clp protease proteolytic subunit | 4.26 | 0.6 |
| PA14\_27210 (*efp*) | elongation factor P | 2.15 | 1.21 |
| PA14\_05450 | 16S ribosomal RNA methyltransferase RsmE | 1.63 | 4.29 |
| PA14\_08830 (*tufA*) or PA14\_08680 (*tufB*) | elongation factor Tu | 1.29 | 2.22 |
| PA14\_57010 (*groEL*) | chaperonin GroEL | 1.21 | 4.02 |
| PA14\_28650 (*thrS*) | threonyl-tRNA synthetase | 0.72 | 3.18 |
| PA14\_08970 (*rplE*) | 50S ribosomal protein L5 | 0.67 | 2.53 |
| PA14\_01710 (*ahpC*) | alkyl hydroperoxide reductase | 0.72 | 1.95 |
| PA14\_53250 (*cbpD*) | chitin-binding protein CbpD | 0.61 | 4.38 |
| PA14\_53070 (*hpd*) | 4-hydroxyphenylpyruvate dioxygenase | 0.72 | 1.82 |
| PA14\_16250 (*lasB*) | elastase LasB | 0.90 | 3.68 |
| PA14\_01760 (*nuh*) | nonspecific ribonucleoside hydrolase (gene close to *ahpC*) | 0.28 | 3.15 |
| **Hypothetical** | | | |
| PA14\_11890 | hypothetical protein (Rossman fold: NAD(P) binding) | 3.22 | 5.63 |
| PA14\_41730 | hypothetical protein | 0.50 | 2.0 |

a As annotated [8,81,82]

b fold change in protein amounts in SigX overexpressing cells after 3h of arabinose induction in comparison to the control strain (ALB01) after 3h of arabinose induction.

c fold change in protein amounts in SigX overexpressing cells after 28h of arabinose induction in comparison to the control strain (ALB01) after 3h of arabinose induction.