Table S5 Gene expression level of *C. glutamicum* EGFP compared to *C. glutamicum* BZH 001

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Gene Function | Gene ID | Name | Product | Log2FoldChange (E / WT) | RT-PCR(-ΔΔCt) |
| Protein synthesis/ transport | NCgl2993 | *rpmH* | 50S ribosomal protein L34 | 1.74 | 2.63±0.2 |
| NCgl0838 | *rpmF* | 50S ribosomal protein L32 | 3.07 | - |
| NCgl0833 | *rpmG* | 50S ribosomal protein L33 | -4.60 | -3.0±0.32 |
| NCgl2261 | *rpsT* | 30S ribosomal protein S20 | 2.11 | - |
| NCgl1522 | *SecG* | preprotein translocase subunit | 3.06 | 4.14±0.15 |
| NCgl0457 | *SecE* | preprotein translocase subunit | 2.92 | 3.37±0.03 |
| NCgl1595 | *YajC* | preprotein translocase subunit | 1.19 | - |
| NCgl0909 | - | ABC transporter ATPase | 4.93 | 6.21±0.31 |
| NCgl1937 | - | ABC transporter ATPase | -1.93 | -2.9±0.11 |
| Cold shock protein | NCgl0303 | *-* | cold shock protein | 4.23 | 3.13±0.05 |
| Carbon metabolism | NCgl2008 | *-* | pyruvate kinase | 1.62 | 2.97±0.15 |
| NCgl1858 | - | Phosphoenolpyruvate-protein kinase | 1.57 | ± |
| NCgl2248 | - | isocitrate lyase | 1.56 | - |
| NCgl2632 | - | similar to acetyl-CoA acetyltransferases | -3.48 | -4.0±0.27 |
| Energy metabolism | NCgl1166 | *atpC* | ATP synthase F0F1 subunit epsilon | 1.49 | 1.86±0.09 |
| NCgl1159 | *-* | ATP synthase F0F1 subunit A | 1.01 | 1.91±0.02 |