**Table S5.** Validation of RNA sequencing results by qRT-PCR analysis 1.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Gene** | **Product** | **Fold change (Fe)** | | **Fold change (Co)** | |
| RNA seq | qRT-PCR | RNA seq | qRT-PCR |
| SSUSC84\_RS00185 | MreC | 7.937 | 10.319 | 2.787 | 4.473 |
| SSUSC84\_RS00550 | adenylate kinase | 11.783 | 15.619 | 3.190 | 5.702 |
| SSUSC84\_RS01570 | PmtA | 182.089 | 57.774 | 338.544 | 122.095 |
| SSUSC84\_RS03045 | carbamate kinase | 0.033 | 0.035 | 0.179 | 0.164 |
| SSUSC84\_RS03050 | ArcD | 0.027 | 0.025 | 0.134 | 0.078 |
| SSUSC84\_RS06475 | CcpA | 0.476 | 0.517 | 0.466 | 0.491 |
| SSUSC84\_RS07245 | SodA | 0.070 | 0.112 | 0.489 | 0.780 |

1 Fe and Co represent ferrous iron and cobalt treatment, respectively.