**S2 Table**. **Selected genes and primers for quantitative real-time PCR.**

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| --- | --- | --- | --- | --- |
| Gene | Protein | Primers | Primer sequences (5’-3’) | Amplicon length (bp) |
| BBC27\_RS01105 | Flagellar motor protein MotA | Mot-F | TTCCCATCACGGACAGGTC | 149 |
| Mot-R | TAATCGTGCCGAACAAACC |
| BBC27\_RS01890 | Transporter | Trans-F | TCTTCACTGGCTTCAATACGCATTAT | 104 |
| Trans-R | CGTCGCTTCGGTGCTGTTG |
| BBC27\_RS03710 | Molecular chaperone HtpG | Htp-F | AGCGGCGATCAGACCAAAG | 141 |
| Htp-R | CGACTCCCAGCGAATACCAT |
| BBC27\_RS06525 | Lipid carrier-like protein | Lipc-F | GCGGATTTCCATCAGATAGCG | 175 |
| Lipc-R | CTTCGAGGCGTAGTGCGAGT |
| BBC27\_RS09040 | Bacterioferritin | Dps-F | CTGTACGAAGAAGCCGCCAACT | 111 |
| Dps-R | GCCATCCAGATCACGCAAG |
| BBC27\_RS12050 | Cold-shock protein | Csp-F | CAACTGGCACAGTAAAGTGGTTC | 105 |
| Csp-R | TGCCCTGGATAGCAGAGTGAT |
| BBC27\_RS14205 | Hypothetical protein | RS14205-F | CTGCTCTGCCGCCTCATACTCT | 83 |
| RS14205-R | CCGTCCTGAATCTGGCTTTGG |
| BBC27\_RS14280 | Rusticyanin | Rus-F | TGGACTTCAAAGCTCGGGAATG | 204 |
| Rus-R | GGCGGTCACTGTGGGTATGG |
| BBC27\_RS02885 | Glycine cleavage system protein H | Glycle-F | ATGACCTCCTATGCCTGTGCG | 139 |
| Glycle -R | TGACGGGACTCTTCAACGG |
| BBC27\_RS14305 | Hypothetical protein | RS14305-F | TAATGACTTGCCCAAATGGAC | 109 |
| RS14305-R | GGTGCGACTACGGTGCTAAT |
| BBC27\_RS07200 | Iron-sulfur cluster scaffold-like protein | Irsusca-F | TGCTTGTTGCGGTAATCCTCG | 181 |
| Irsusca -R | CGGCTATTGCGTCCAGTTCG |
| BBC27\_RS10970 | Hypothetical protein | RS10970-F | CGGTGAGTAGCCTCGCTTTACTG | 138 |
| RS10970-R | GCATCCACAGAATAATCCCTAGAGC |
| BBC27\_RS14810 | Heterodisulfide reductase  subunit B, partial | HdrB-F | GACAACAGCACGCAGCAGG | 214 |
| HdrB-R | GATCGTCGGTGATACGGTGG |
| BBC27\_RS04065 | Glucan biosynthesis protein D | Glucan-F | GTCAAGATTGCGGTTATTGGTAGG | 134 |
| Glucan-R | GGCGATTCACCAGTTATGAGG |
| BBC27\_RS11770 | Isoprenylcysteine carboxyl methyltransferase | Isocam-F | GAAGGCATTCGTCAGGATGTG | 106 |
| Isocam-R | GCTGTCGTTTGGTTGCTTG |
| BBC27\_RS02015 | 50S ribosomal protein L10 | L10-F | GCAGTGGTGGCAGAGTATCG | 228 |
| L10-R | CTTTGCGTGGTCGGTGAAG |
| BBC27\_RS01390 | Phosphate ABC transporter substrate-binding protein PstS | Pst-F | CCTGTGCCCTGGGTGGTAAT | 141 |
| Pst-R | GTATGCCCTGCCTGCTTCG |
| BBC27\_RS03165 | Translation initiation factor IF-1 | Transif-F | CGATAAATGATGCGACCCT | 205 |
| Transif-R | CGAAAGAAGATACCCTGGAAAT |
| BBC27\_RS03215 | 50S ribosomal protein L24 | L24-F | CACTTTCTGCCCGTCCTCA | 150 |
| L24-R | CGGCACGTTCGTCCTGAT |
| BBC27\_RS14785 | Elongation factor Tu | Tu-F | TACGTCGGTGGTACGGAAGT | 227 |
| Tu-R | GCAAGATTCTGGATCAGGGTC |
| BBC27\_RS03245 | 50S ribosomal protein L22 | L22-F | GCGACGACAACGGTGATAT | 238 |
| L22-R | TGGGTAAGGCACTGGAGAT |
| BBC27\_RS03145 | DNA-directed RNA polymerase subunit alpha | Drpm-F | AATTGTCGAGCCGCATCC | 116 |
| Drpm-R | TCAGAAGTCGGAGCAGGAG |
| BBC27\_RS11495 | Ribulose-bisphosphate carboxylase large subunit | Rubpl-F | GCCCAAACTCGGTCTATCTG | 240 |
| Rubpl-R | TCTGCCCGTTCATACATTTC |
| BBC27\_RS10915 | Hypothetical protein | RS10915-F | AGTGACCTTGGCGGTGTT | 238 |
| RS10915-R | CCATCTCGTTATCGCTTTACTCAT |
| BBC27\_RS04775 | Triose-phosphate isomerase | Tripi-F | CAGGTCACCCAGAAAGTTAAGGT | 147 |
| Tripi-R | GAGATTCAACAGCGGCAAG |
| BBC27\_RS12850 | Glyceraldehyde-3-phosphate dehydrogenase | Gapdh-F | CCCTCGTTGACCTCACCTGTATC | 161 |
| Gapdh-R | GGTGGAGGAGTGCGGATTATGG |