**Table S2.** Primers used in the qRT-PCR experiment.

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| --- | --- | --- |
| **Gene name** | **Gene description** | **Forward/ Reverse (5’-3’)** |
| *nifAc* | Nitrogen fixing regulator gene located on DOA9 chromosome | GCACCCCGGCGACACCGGCTTTG/ GGTGTCGAACACGTCGCTATTG |
| *nifAp* | Nitrogen fixing regulator gene located on DOA9 plasmid | CGGTGCTCTTACGAGGCGAGAC/ CCAGTAGCGGAATGACGCTCAGG |
| *nifDKc* | Operon of nitrogenase structural genes on DOA9 chromosome | GGGTCGGATGCATCAAGCAAG/ GTTGCTAGGCTCATACGAATATC |
| *nifDKp* | Operon of nitrogenase structural genes on DOA9 plasmid | CTCGCAGCGCCCTCGACAATAG/ CTTCTCCGGATAGACCTTCAAG |
| *nifHc* | Nitrogenase structural gene on DOA9 chromosome | CGACCACGTCACAGAACAC/ CCTTGTAGCCGACCTTCATG |
| *nifHp* | Nitrogenase structural gene on DOA9 plasmid | AAGGGTGGTATCGGCAAATC/ GCAGCGGATGTTCTGGTAG |
| *dnaK* | Housekeeping gene use as internal gene in this experiment | GAAGTGCTGCGCATCATCAA/ TCCTTCTGGAATTCGTCGGC |