**Table S2 List of the** **Primer sequences used in this study**

|  |  |  |  |
| --- | --- | --- | --- |
| Primers | | sequence (5′→ 3′) a | |
| For disruption cassette construction | | | |
| 60bp-F | atcaatacctggtacacctggttttagagctagaaatagc | | |
| 60bp-R | caggtgtaccaggtattgatgatcatttatctttcactgc | | |
| HOM2r-F | GATCATTTATCTTTCACTGC | | |
| HOM2r-R | GTTTTAGAGCTAGAAATAGC | | |
| HT-F1 | TCATTCTGTTGTTGGCAAAT | | |
| HT-R1 | CTTTTAGGCAGACAACAGGAACAATCAATG | | |
| HT-F2 | TCCTGTTGTCTGCCTAAAAGAATACGTCTG | | |
| HT-R2 | CTTGCTAGTAAGATTTCGGC | | |
| For PCR verification | | | |
| HOM2-A | agaaaattgctggtgttttg | | |
| HOM2-D | atcactacgctctctgttta | | |
| For Real-Time qPCR | | |  |
| ACT1-F | TACTCCGTCTGGATTGGTGGTTC | | |
| ACT1-R | AGATGGACCACTTTCGTCGTATT | | |
| HOM2-F | ctcaggtgctggtttctccc | | |
| HOM2-R | tggtctcccattccatcttgtc | | |

a Overlaping sequence for fusion PCR is underlined