**Supplementary Table S2**: The oligonucleotide primer sequences used in this study

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Target gene** | **Primer Name** | **Primer Sequence (5′-3′)** | **Amplicon**  **Size (bp)** | **Reference** |
| *usp*A | *usp*A Up | CCGATACGCTGCCAATCAGT | 884 | [30] |
| *usp*A Down | ACGCAGACCGTAGGCCAGAT |  |
| *uid*A | *uid*A Up | TATGGAATTTCGCCGATTTT | 164 |
| *uid*A Down | TGTTTGCCTCCCTGCTGCGG |  |
| *mcr*-1 | *mcr1*\_320bp\_fw | AGTCCGTTTGTTCTTGTGGC | 320 | [37] |
| *mcr1\_320bp\_rev* | AGATCCTTGGTCTCGGCTTG |
| *mcr*-2 | *mcr2\_700bp\_fw* | CAAGTGTGTTGGTCGCAGTT | 715 |
| *mcr2*\_700bp\_rev | TCTAGCCCGACAAGCATACC |
| *mcr*-3 | *mcr3*\_900bp\_fw | AAATAAAAATTGTTCCGCTTATG | 929 |
| *mcr3*\_900bp\_rev | AATGGAGATCCCCGTTTTT |
| *mcr*-4 | *mcr4*\_1100bp\_fw | TCACTTTCATCACTGCGTTG | 1,116 |
| *mcr4*\_1100bp\_rev | TTGGTCCATGACTACCAATG |
| *mcr*-5 | *MCR5*\_fw | ATGCGGTTGTCTGCATTTATC | 1,644 |
| *MCR5*\_rev | TCATTGTGGTTGTCCTTTTCTG |