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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table S4** |  |  |  |  |  |  |  |  |  |  |
| Target genes, primers and cycling conditions for the real-time PCR assays used. |
| **Primer** | **Gene** | **Sequence (5' to 3')** | **Primer** | **Annealing** | **Cycles** | **Detection format** | **Reference** |
| **amount (pmol)** | **temp. (°C)** |
| 341F | 16S rDNA | CCT ACG GGA GGC AGC AG | 6.0 | 60 | 30 | SYBR Green | *49* |
| 534R | ATT ACC GCG GCT GCT GGC A |
| tetA-F2-L | *tetA* | CAG CCT CAA TTT CCT GAC GGG CtG \* | 4.0 | 60 | 45 | LUX | *50* |
| tetA-R2 | GAA GCG AGC GGG TTG AGA G |
| tetB-F1-L | *tetB* | CAG CAA GTG CGC TTT GGA TGC tG \* | 4.0 | 60 | 45 | LUX | *50* |
| tetB-R1 | TGA GGT GGT ATC GGC AAT GA |
| erm(B)-91f | *ermB* | GAT ACC GTT TAC GAA ATT GG | 5.0 | 58 ‡ | 45 ‡ | SYBR Green | *51* |
| erm(B)-454r | GAA TCG AGA CTT GAG TGT GC |
| sulI-FW | *sulI* | CGC ACC GGA AAC ATC GCT GCA C | 4.0 | 65 | 50 | SYBR Green | *48* |
| sulI-RV | TGA AGT TCC GCC GCA AGG CTC G |
| dfr1s-f | *dfr1* | ATG GAG TGC CAA AGG TGA AC | 10 | 62 | 40 | SYBR Green | *52* |
| dfr1s-r | TAT CTC CCC ACC ACC TGA AA |
| int1.F | *intI1* | GGG TCA AGG ATC TGG ATT TCG | 10 | 55 | 45 | SYBR Green | *53* |
| int1.R | ACA TGC GTG TAA ATC ATC GTC G |
| \* Lower-case letter 't' denotes a thymine base with a FAM dye attached. |
| † Probe is modified with a FAM dye at the 5'-end and a Black Hole Quencher at the 3'-end. |
| ‡ Initial touchdown step of 63 °C – 1 °C / cycle, for 5 cycles |

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