**Table S1.** Primers used in this study

| Primer name | Sequence (5’-3’) | Gene target | Reference |
| --- | --- | --- | --- |
| Primers for the construction of pBACpAK entrapment vectors |
| *cI*-*tetA*(F)-*Xho*I | GCCCCC**CTCGAG**CAGCCAGCAGAGAATTAAGG | *cI*-*tetA* on pAK1 entrapment vector | This study |
| *cI*-*tetA*(R)-*Xho*I | GCGGCG**CTCGAG**GATAGCCGCTGCTGGTTT | *cI*-*tetA* on pAK1 entrapment vector | This study |
| Primers to check the insertion within *cI*-*tetA* selection cartridge |
| ERIS | GCAAGACTGGCATGATAAGG | *cI*-*tetA* (reverse primer) | Bartosik et al., 2003 |
| *cI*-*tetA*-F1 | CAGCCAGCAGAGAATTAAGG | *cI*-*tetA* (forward primer) | This study |
| Primers for TU verification PCR |
| Response-Reg-F1 | GGGGTTGTTCTTGGCATTCC | Response regulator genes on IS*26*-*dfrA8* TU | This study |
| Response-Reg-R1 | ATACAACCTCCACAAACGGC | Response regulator genes on IS*26*-*dfrA8* TU | This study |
| Primers for sequencing |
| M13F | GTAAAACGACGGCCAG | M13 forward sequencing (pGEM-T easy) | Universal |
| M13R | CAGGAAACAGCTATGAC | M13 forward sequencing (pGEM-T easy) | Universal |
| 2026-2-F1 | TTCAGTTTGCCATGATCGCA | IS*26* extension primer | This study |
| 2033-3-F1 | ACCTGCCGTCGTTTTGATTT | IS*Sbo1* extension primer | This study |
| 2033-3-F2 | CGCTACCTGGGTCGTTATCT | IS*Sbo1* extension primer | This study |
| 1444-1-R1 | ATTTCCACCGCGCATTACTC | IS*903*B extension primer | This study |
| 2026-5-13-F1 | CTACGTGAAGGTCAATGGCC | IS*26*-*dfrA8* extension primer | This study |
| 2026-5-13-R1 | CAGATCGTCCATGGAATCGC | IS*26*-*dfrA8* extension primer | This study |