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| **Plasmids** | **Characteristics** | **Reference** |
| pKD3 | Carries an FRT-Cm-FRT cassette (CmR) | [24] |
| pKD4 | Carries an FRT-Km-FRT cassette (KmR) |
| pKD46 | Carries the λ-Red genes under control of ParaB; temperature sensitive replication (CbR) |
| pCX340 | Plasmid pCX340 (TcR) carrying *β-lactamase* gene | [27] |
| pCX340sopD (pICC612) | Plasmid pCX340 carrying *sopD* *β-lactamase* fusion (TcR) |
| pFPVmCherry | Plasmid carrying mCherry ORF (CbR) (Addgene) | [28] |
| pEGFP-actin | Plasmid encoding EGFP-actin | [49] |
| pACYC177 | Plasmid pACYC177 (KmR CbR) | [50] |
| pACYC177*sipA* | Plasmid pACYC177 carrying *sipA* from SE LA5 (CbR) | This study |
| pACYC177*sopA* | Plasmid pACYC177 carrying *sopA* from SE LA5 (CbR) | This study |
| pBR322 | Plasmid pBR322 (TcR CbR) | [51] |
| pBR322*sopE* | Plasmid pBR322 carrying *sopE* from SE LA5 (TcR) | This study |
| **Primers** | **Sequence** | **Reference** |
| hilA-F | 5’-GGTTTAATCGTCCGGTCGTAGTG-3’ | [30] |
| hilA-R | 5’-CCTGATCCTGCATCTGAAAAGG-3’ |
| invF4-RT | 5’-GCGCCATCGATAAATGCCAGT-3’ |
| invF1 | 5’-GGTGCTGACAACTATGCTAAATACGCAGG-3’ | This study |
| sipA2 | 5’-AGGGAACGGTGTGGAGGTAT-3’ |
| sipA7 | 5’-CCAACGCAATGGCGAGTCAC-3’ | [30] |
| tufA-F | 5’-TGTTCCGCAAACTGCTGGACG-3’ |
| tufA-R | 5’-ATGGTGCCCGGCTTAGCCAGTA-3’ |
| invA-P1 | 5’-TTATATTGTTTTTATAACATTCACTGACTTGCTATCT  GCTATCTCACCGAGTGTAGGCTGGAGCTGCTTC-3’ | This study |
| invA-P2 | 5’-GTGCTGCTTTCTCTACTTAACAGTGCTCGTTTACGA  CCTGAATTACTGATCATATGAATATCCTCCTTAG-3’ |