**Supplemental Table 1.** Set of primers used in this study.

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| --- | --- | --- |
| **Gene target** | **Primer sequence (5' - 3')** | **Reference** |
| *bla*CMY-2 | ATGATGAAAAAATCGTTATGC | (Mammeri et al., 2010) |
| TTATTGCAGCTTTTCAAGAATGC |
| group *bla*CTX-M-1 | TTAGGAARTGTGCCGCTGYA | (Dallenne et al., 2010) |
| CGATATCGTTGGTGGTRCCAT |
| group *bla*CTX-M-2 | CGTTAACGGCACGATGAC | (Dallenne et al., 2010) |
| CGATATCGTTGGTGGTRCCAT |
| group *bla*CTX-M-9 | TCAAGCCTGCCGATCTGGT | (Dallenne et al., 2010) |
| TGATTCTCGCCGCTGAAG |
| group *bla*CTX-M-8/-25 | AACRCRCAGACGCTCTAC | (Dallenne et al., 2010) |
| TCGAGCCGGAASGTGTYAT |
| *aac(3)-Ia* | GACATAAGCCTGTTCGGTT | (Akers et al., 2010) |
| CCCGCTTTCTCGTAGCA |
| *aac(3)-IIa* | ATGCATACGCGGAAGGC | (Akers et al., 2010) |
| TGCTGGCACGATCGGAG |
| *aac(6′)-Ib* | TATGAGTGGCTAAATCGAT | (Akers et al., 2010) |
| CCCGCTTTCTCGTAGCA |
| *aac(6')-Ih* | TGCCGATATCTGAATC | (Akers et al., 2010) |
| ACACCACACGTTCAG |
| *aph(3’)-Ia*  | CGAGCATCAAATGAAACTGC | (Akers et al., 2010) |
| GCGTTGCCAATGATGTTACAG |
| *aph(3')-VI* | CGGAAACAGCGTTTTAGA | (Akers et al., 2010) |
| TTCCTTTTGTCAGGTC |
| *ant(2'')-Ia* | ATCTGCCGCTCTGGAT | (Akers et al., 2010) |
| CGAGCCTGTAGGACT |
| *qrnA* |  AGAGGATTTCTCACGCCAGG | (Cattoir et al., 2007) |
| TGCCAGGCACAGATCTTGAC |
| *qrnB* | GGMATHGAAATTCGCCACTG | (Cattoir et al., 2007) |
| TTTGCYGYYCGCCAGTCGAA |
| *qrnS* | GCAAGTTCATTGAACAGGGT  | (Cattoir et al., 2007) |
| TCTAAACCGTCGAGTTCGGCG |
| *qrnC* | GGGTTGTACATTTATTGAATC | (Wang et al., 2009) |
|  TCCACTTTACGAGGTTCT |
| *qrnD* | TTTTCGCTAACTAACTCGC | (Zhao et al., 2010) |
| GAAAGGATAAACAGGCAAAT |
| *qepA* | CGGCGGCGTGTTGCTGGAGTTCTT | (Ma et al., 2009) |
| CCGACAGGCCCACGACGAGGATGC |
| *oqxAB* | CCCTGGACCGCACATAAAG | (Zhao et al., 2010) |
| AAAGAACAAGATTCACCGCAAC |
| *tet(A)* | GCTACATCCTGCTTGCCTTC | (Ng et al., 2001) |
| CATAGATCGCCGTGAAGAGG |
| *tet(B)* | TTGGTTAGGGGCAAGTTTTG | (Ng et al., 2001) |
| GTAATGGGCCAATAACACCG |
| *tet(C)* | CTTGAGAGCCTTCAACCCAG | (Ng et al., 2001) |
| ATGGTCGTCATCTACCTGCC |
| *dfrIa* | GTGAAACTATCACTAATGG | (Navia et al., 2003) |
| TTAACCCTTTTGCCAGATTT |
| *dfrVII* | TTGAAAATTTCATTGATTG | (Navia et al., 2003) |
| TTAGCCTTTTTTCCAAATCT |
| *dfrXII* | GGTGSGCAGAAGATTTTTCGC  | (Navia et al., 2003) |
| TGGGAAGAAGGCGTCACCCTC |
| *Sul1* | CGGCGTGGGCTACCTGAACG | (Vrints et al., 2009) |
| GCCGATCGCGTGAAGTTCCG |
| *Sul2* | GCGCTCAAGGCAGATGGCATT | (Vrints et al., 2009) |
| GCGTTTGATACCGGCACCCGT |
| *floR* | CACGTTGAGCCTCTATATGG | (Ng et al., 1999) |
| ATGCAGAAGTAGAACGCGAC |
| *cat* | CCACCGTTGATATATCCC | (Guerra et al., 2001) |
| CCTGCCACTCATCGCAGT |
| *cmlA* | CCGCCACGGTGTTGTTGTTATC | (Van et al., 2008) |
| CACCTTGCCTGCCCATCATTAG |
| *fimH* | TGCAGAACGGATAAGCCGTGG | (Johnson and Stell, 2000) |
| GCAGTCACCTGCCCTCCGGT |
| *papEF* | GCAACAGCAACGCTGGTTGCATCAT | (Yamamoto et al., 1995) |
| AGAGAGAGCCACTCTTATACGGACA |
| *papG I* | TTAGCTGGATGGCACAATG | (Mora et al., 2013) |
| TTGTCCATGTATCCCATTCAT |
| *papG II* | GGGCATTGCTACGGTAACCTG | (Mora et al., 2013) |
| CGCTATTAATAGACAGATCACC |
| *papG III* | CGGCAACTTTAAGCTATGTG | (Mora et al., 2013) |
| TGTACCATCTCATCGTTGTCTC |
| *sfa/focDE* | CTCCGGAGAACTGGGTGCATCTTAC | (Le Bouguénec et al., 1992) |
| CGGAGGAGTAATTACAAACCTGGCA |
| *sfaS* | GTGGATACGACGATTACTGTG | (Johnson and Stell, 2000) |
| CCGCCAGCATTCCCTGTATTC |
| *focG* | CAGCACAGGCAGTGGATACGA | (Johnson and Stell, 2000) |
| GAATGTCGCCTGCCCATTGCT |
| *afa/draBC* | GCTGGGCAGCAAACTGATAACTCTC | (Le Bouguénec et al., 1992) |
| CATCAAGCTGTTTGTTCGTCCGCCG |
| *nfaE* | GCTTACTGATTCTGGGATGGA | (Johnson and Stell, 2000) |
| CGGTGGCCGAGTCATATGCCA |
| *kpsMT II K1* | TAGCAAACGTTCTATTGGTGC | (Johnson and Stell, 2000) |
| CATCCAGACGATAAGCATGAGCA |
| *kpsMT II K5* | CAGTATCAGCAATCGTTCTGTA | (Johnson and Stell, 2000) |
| CATCCAGACGATAAGCATGAGCA |
| *hlyA* | AACAAGGATAAGCACTGTTCTGGCT | (Yamamoto et al., 1995) |
| ACCATATAAGCGGTCATTCCCGTCA |
| *cnf1* | AAGATGGAGTTTCCTATGCAGGAG | (Yamamoto et al., 1995) |
| CATTCAGAGTCCTGCCCTCATTATT |
| *cdtB* | GAAAGTAAATGGAATATAAATGTCCG | (Tóth et al., 2003) |
| AAATCACCAAGAATCATCCAGTTA |
| *sat* | GCAGCTACCGCAATAGGAGGT | (Johnson et al., 2003) |
| CATTCAGAGTACCGGGGCCTA |
| *vat* | GAACACAGTTCATCTGATCTCC | (Parham et al., 2005) |
| GAATATATCAAATTGGTCCCCC |
| *fyuA* | TGATTAACCCCGCGACGGGAA | (Johnson et al., 2003) |
| CGCAGTAGGCACGATGTTGTA | (Russo et al., 1999) |
| *iutA* | GGCTGGACATCATGGGAACTGG | (Johnson et al., 1998) |
| CGTCGGGAACGGGTAGAATCG |
| *iroN* | AAGTCAAAGCAGGGGTTGCCCG | (Johnson et al., 2000) |
| GACGCCGACATTAAGACGCAG |
| *gadA* | GATGAAATGGCGTTGGCGCAAG | (Doumith et al., 2012) |
| GGCGGAAGTCCCAGACGATATCC |
| *chuA* | ATGATCATCGCGGCGTGCTG | (Doumith et al., 2012) |
| AAACGCGCTCGCGCCTAAT |
| *yjaA* | TGTTCGCGATCTTGAAAGCAAACGT | (Doumith et al., 2012) |
| ACCTGTGACAAACCGCCCTCA |
| TSPE4.C2 | GCGGGTGAGACAGAAACGCG | (Doumith et al., 2012) |
| TTGTCGTGAGTTGCGAACCCG |

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