

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

**Transposon mutagenesis and amplification for hybridization**

<b>Primer</b>	<b>Sequence</b>
KAN-2(F)	ATGAGCCATATTCAACGGGAAA
KAN-2(R)	CGAGCATCAAATGAAACTGCAA
MEKAN2-B	GGTTGAGATGTGTATAAGAGACAG
CCT24VN	CCTTTTTTTTTTTTTTTTTTTTTTTTVN
DOPR2	CAACGCAGACCGTTCCGTGGCA
KAN2FP1-B	GTCCACCTACAACAAAGCTCTCATCAACC

**Mutagenesis**

<b>Primer</b>	<b>Sequence</b>
SEN1001_(H1+P1)	AATTTTACAAATGAATGGAGGGTTGCACATGGTAAATCGCGTGCAGGCTGGAGCTGCTTC
SEN1001_(H2+P2)	CTTGTAACGTTATTTACTCTCATCTGCGACAATGAGAGCCATATGAATATCCTCCTTAG
SEN1001_Out5	TCTCGATTGCGCATGTAGTC
SEN1976_(H2+P2)	ACAGTTAACATTATTGGCATGCATATAATCTTCTGTAATTCATATGAATATCCTCCTTAG
SEN1999_(H1+P1)	TTTTTAGGGAAAAGAATGACAAAAAGATTGCCTGTCGCGGAGATAGTGCAGGCTGGAGCTGCTTC
SEN1999_Out5	TGAACGATCTTCCTGTGCTG
SEN1977_(H1+P1)	GGGGCACTTTATGCCCTTTTTGGATCATATTTTCAGATGGTGTAGGCTGGAGCTGCTTC
SEN1977_(H2+P2)	ATTAATAAGTCATTGTGCCTGAACGATATAATTCATGGCCATATGAATATCCTCCTTAG
SEN1977_Out5	AGCGCAAGCGGAAAGTAATA

SEN2145B_(H1+P1)	GGAAGAGATTATGAAACGTTCACTTATTGCTGCTTCTGTAGTGCAGGCTGGAGCTGCTTC
SEN2144A_(H2+P2)	TACCGCATAAATTTAATTATAAGATACCACGATTAATGCTTTTCGACATATGAATATCCTCCTTAG
SEN2145B_Out5	GGTGATAGCACCCGACAGAT
SEN4292_(H1+P1)	ATATATAGGTGTAATATGGCAATCATTATTTCCACCGTAAGTAGCGTGCAGGCTGGAGCTGCTTC
SEN4290_(H2+P2)	TCATATAACATTATAAATTC AACGAGGTGAGTTTTGTGCTGCATATGAATATCCTCCTTAG
SEN4292_Out5	AACACCAGTACCGCATCCTC
K1	CAGTCATAGCCGAATAGCCT
C3	CAGCTGAACGGTCTGGTTATAGG

### Cloning of *SEN1001*

Primer	Sequence
SEN1001_Out3_BamHI	CGGGATCCCGTTATTTACTCTCATCTGCGA
SEN1001_Out5_BamHI	CGGGATCCTCCTTTACTGGGAAAAGCAA
NFB9-MCS_Out5	CGGGCCTCTTCGCTATTACG
NFB9-MCS_Out3	GGCACCCCAGGCTTTACACT
LepA_F	CGTAATCATGGTCATAGCTGTTTCC
LepA_R	ACTTCAAGATCCATTTCCATCG
T7	TAATACGACTCACTATAGGG
SP6	ATTTAGGTGACACTATAGAA

Underlined text indicates the region that anneals to the 5' or 3' end of the antibiotic resistance cassette used for the mutagenesis.