

**Table S1.** Specific oligonucleotides used in this study

<b>Gene</b>	<b>Sequence (5' - 3')</b>	<b>Amplicon size</b>	<b>Reference</b>
<i>ybbw</i>	F:tgattggcaaaatctggccg R:atactggcaatcagtagccg	670 pb	[43,44]
CTX-M1&8	F:tgtgcagyaccagtaargykatg R:tarrrtsaccagaayvagcggc	583 pb	[48]
CTX-M2	F:cgagtggcagtagcagtaagg R:cgatatacgttggtggtgc	540 bp	[48]
CTX-M9	F:atggtgacaaagagagtgcaa R:aatatcattggtggtgccgtag	747 pb	[48]
CTX-M151	F:gcgccatgataggtacg R:aaagtaagtcacaataaccagcg	786 pb	[48]
TEM	F:caacattttcgtgtcgccc R:gcttaatcagtgaggcacc	844 pb	[48]
SHV	F:tattatctccctgtagcca R:cgctctgcttggtagtc	783 pb	[48]
<i>qepA</i>	F:gaggtccagcagcgggtag R: caactgctgagcccgtag	617 pb	[49]
<i>aac(6')-Ib-cr</i>	F: ttcgatgctctatgagtggtta R:ctcgaatgcctggcgtgttt	482 pb	[49]