

**S5 Table.** Sequences of primers used for the construction of the *E. coli* allele-replacement strains.

<b>Primer Description</b>	<b>Primer sequence<sup>a</sup></b>
Forward primer for <i>fpr</i>	<b>TCGGTACCCGGGGATCGC</b> AGC GAA GTT GAC GTG CTG
Reverse primer for <i>fpr</i>	<b>CCGGTCGACTCTAGAG</b> CGG TAT CCG TCC GGT GAG
Forward primer for <i>mprA</i>	<b>TCGGTACCCGGGGATCGCGGCCGC</b> GCG GTA GGT ATT TTG CTC
Reverse primer for <i>mprA</i>	<b>CCGGTCGACTCTAGAGGATCC</b> TCT GTC GGG TCG AGA GTG
Forward primer for <i>ompC</i>	<b>TCGGTACCCGGGGATCGCGGCCGC</b> CGG GAG TTA TTC TAG TTG C
Reverse primer for <i>ompC</i>	<b>CCGGTCGACTCTAGAGGATCC</b> TTG TCG TCC AGC AGG TTG

**a** The sequence in **bold** overlaps with the pKOV plasmid, and is required for the Gibson Assembly.