

**Table S2.** Strains, plasmids, and primers used in this study.

Strain/plasmid/primer	Description
Bacterial strain	
EPEC025	Wild-type strain
EPEC025 $\Delta$ wzy	Deletion of EPEC025 <i>wzy</i> gene
EPEC025 $\Delta$ wzy:: <i>wzy</i>	EPEC025 $\Delta$ wzy complemented with pBD33- <i>wzy</i>
Plasmid	
pRE112	Allelic exchange vector with <i>sacB</i> , chloramphenicol resistant
pRE112-updown	pRE112 fused with EPEC025 <i>wzy</i> up- and down- homologous sequences
pBD33	Expression vector with chloramphenicol selection
pBD33- <i>wzy</i>	pBD33 inserted with EPEC025 <i>wzy</i> plus Shine-Dalgarno box
Primer	Nucleotide sequences (5'-3') <sup>a</sup>
112F	CATCGTATTTCTGGTGCGTACCCTGATAAATGCTTCAATAATGG, forward primer for pRE112 linearization
112R	ATTGCGGCTAAAGCGTTAGTCAACAGCTCATTTTCAGAAATGG, reverse primer for pRE112 linearization
upF	CCATTATTGAAGCATTATCAGGGTACGCACCAGAAATACGATG, forward primer for <i>wzy</i> upload sequence
upR	AACTCTTGATACCAGCGGAGGTATCGCATAGCCAACA, reverse primer for <i>wzy</i> upload sequence
downF	TGTTGGCTATGCGATACCTCCGCTGGTATCAAGAGTT, forward primer for <i>wzy</i> download sequence
downR	CCATTCTGAAATGAGCTGTTGACTAACGCTTTAGCCGCAAT, reverse primer for <i>wzy</i> download sequence
wzycF	CGGGGTACC <b>AGGAGG</b> AAAAATGAAAAGAAATTTTATATACTGT, forward primer for <i>wzy</i> cloning, digested with KpnI
wzycR	CCCAAGCTTTTAATTGGCAAGATTAATCCT, reverse primer for <i>wzy</i> cloning, digested with HindIII

<sup>a</sup> Boldface characters indicate Shine-Dalgarno box and restriction sites are italic.