

Supplementary Table 1. Primer sequences of WT FliC and FliC₄₃₁₋₄₃₉-derived APLs used for construction of recombinant *Listeria monocytogenes*. Underlined section indicates nucleotide substitutions used to generate each APL.

	Coding Sequence	Non-coding Sequence
WT FliC	5'-cgttcaactccgctattaccaacctaggcaacgg-3'	5'-ccgttgccaaggttggtgatggcagagtcgaaacgtgca-3'
FliC_{L438I}	5'-cgttcaactccgctatcaccaacataggcaacgg-3'	5'-ccgttgccctatggtgatagcggagtgaaacgtgca-3'
FliC_{N432D}	5'-cgttc <u>gact</u> ctgccatcaccaacctggcaacgg-3'	5'-ccgtgcccaggttagtgatggcagagtcgaaacgtgca-3'
FliC_{N432E}	5'-cgttt <u>gaat</u> ctgctatcactaacctgggcaacgg-3'	5'-ccgtgcccaggttagtgatagcagattcaaaacgtgca-3'
FliC_{S433F}	5'-cgttcaact <u>ttg</u> ctatcaccaacctgggcaacgg-3'	5'-ccgtgcccaggttggtgatagcaaagtgaaacgtgca-3'
Ag85B₂₄₄₋₂₅₂	5'-gcgtacaacgccgcgggcgggcacaaacgccgtggg-3'	5'-cccacggcggttgccccgccgcggcggtgtacgctgca-3'