

Table S1. PCR Primers used in this study. Nucleotides introduced to create restriction enzyme sites are underlined. All primers were synthesized by GENEWIZ, Inc., Suzhou, China.

Primer name	Primer sequence(5'-3')	Product	Description
pSL309-up-fwd	CGGGATCCGACGCTTGGTTTTGCACTTG	522 bp	
pSL309-up-rev	TGGCGCTGTTCTATAACTTTCCATGTTTCGCTAGCT		
pSL309-dn-fwd	GAAAGTTATAGAACAGCGCCAAAGAAGCATT	578 bp	Used for construction of <i>flhB</i> null mutant
pSL309-dn-rev	AACTGCAGAATCTTTAATTGATGTGGCACGC		
pSL309-a-front	ATACTTTTTTTGTAGTGATATTCTTGTCG		
pSL340-up-fwd	CGGGGTACCTACGTTCTCCAATGAAGACGGTTTAGT	553 bp	
pSL340-up-rev	ATTGCTCCACTTTTTTTGTCACTCCCTAGCTCTCATGA		
pSL340-dn-fwd	GAGTGACAAAAAAGTGGAGCAATTACTAGAGAAAAATATCAC	580 bp	Used for construction of <i>fliM</i> null mutant
pSL340-dn-rev	GCGCTGCAGTTATCAACAGGAATGAGTTGCATTAAATT		
pSL340-a-front	AGTATTCTCACCAACTTCTGATGGCA		
pSL342-up-fwd	CGGGGTACCCTCACCAGAAATCGTTAATATCGAAACC	486 bp	
pSL342-up-rev	TTCGCACATTTTTTCTACCTCTCCTGCTCTGTCCGC		
pSL342-dn-fwd	GAGAGGTAGAAAAAATGTGCGAAAACCTTGACTGATG	470 bp	Used for construction of <i>fliY</i> null mutant
pSL342-dn-rev	CGGCTGCAGATTCTGCGTCATCCAACCTCGGCT		
pSL342-a-front	TCGATTTAGCTTATATCATTTATATTCATGAATGTT		
pSL316-fwd	CATGCCATGGTTGGCGAAGGATAATAAAACGGAA	1066 bp	Used for complementation of the <i>flhB</i> deletion
pSL316-rev	CGCGGATCCTTAGAACTTGATTTTGTCTGCGTCCA		

pSL348-fwd	CATG <u>CCATGG</u> CTATGAGCGATAAAATTAAGTCAAGAACAAATT	1014 bp	Used for complementation of the <i>fliM</i> deletion
pSL348-rev	CGC <u>GGATCC</u> CTACCTCTCCTGCTCTGTCCGC		
pSL349-fwd	CATG <u>CCATGG</u> CTGTGGAGCAATTACTAGAGAAAAATATCAC	1569 bp	Used for complementation of the <i>fliY</i> deletion
pSL349-rev	CGC <u>GGATC</u> CTCACCTTACTAACTCAGTCATTTGTATGCC		
pSL331-fwd	CGC <u>CATATG</u> AAGGGATTATACATTGGCGCAGC	792 bp	Used for recombinant FlgG expression in <i>E. coli</i>
pSL331-rev	CCG <u>CTCGAG</u> CTGACGAATTAATCCAGTTGCTTCTTT		
pSL332-fwd	CGC <u>CATATG</u> CCTAAATCAGAAATAAGAAAATTACTTCAAGAAAT	933 bp	Used for recombinant MogR expression in <i>E. coli</i>
pSL332-rev	CCG <u>CTCGAG</u> CATTTGTTTATAATTTTCTTTGAATACACCAAGT		
pSL333-fwd	CGC <u>CATATG</u> CGGCCGTTAATTTCGATTTGTATG	1926 bp	Used for recombinant GmaR expression in <i>E. coli</i>
pSL333-rev	CCG <u>CTCGAG</u> TCGATTGTTTGTAAACAGTGTCTTGAAGC		
pSL339-fwd	CGGGG <u>TACCAT</u> GGGAAAACATTTAGTAGAAAAGATGGAA	1242 bp	Used for recombinant FlhF expression in <i>E. coli</i>
pSL339-rev	CGC <u>GGATC</u> CTCATTCCTACTACCTGCCTCCTATCC		
pSL341-fwd	CGGGG <u>TACCAT</u> GAGCGATAAAATTAAGTCAAGAACAAATTGA	1011 bp	Used for recombinant FliM expression in <i>E. coli</i>
pSL341-rev	CGC <u>GGATC</u> CTACCTCTCCTGCTCTGTCCGCC		
pSL343-fwd	CGGGG <u>TACCGAG</u> CAATTACTAGAGAAAAATATCACGCAA	1563 bp	Used for recombinant FliY expression in <i>E. coli</i>
pSL343-rev	CGC <u>GGATC</u> CTCACCTTACTAACTCAGTCATTTGTATGCC		
pSL344-fwd	CGGGG <u>TACCAT</u> GAAAGTAAATACTAATATCATTAGCTTGAAAACACA	882 bp	Used for recombinant FlaA expression in <i>E. coli</i>
pSL344-rev	CGC <u>GGATC</u> CTTAGCTGTTAATTAATTGAGTTAACATTTGCG		
pSL345-fwd	CGGGG <u>TACCAT</u> GCAAGCTTGGAACGATACACAC	405 bp	Used for recombinant FliS expression in <i>E. coli</i>
pSL345-rev	CGC <u>GGATC</u> CTCAGCCAAATGTGTCTTTGCTTGAT		
