

Table S1. Primer sequences for classifying *E. coli* strains into phylogroups, PCR conditions and amplicon sizes.

Primer Name	Primer Sequences	Target Gene	Annealing Temperature (°C)	Size of PCR Product (bp)	Reference
chuA.1b	5'-ATGGTACCGGACGAACCAAC-3'	<i>chuA</i>	59	288	Clermont et al 2013 [31]
chuA.2	5'-TGCCGCCAGTACCAAAGACA-3'				
yjaA.1b	5'-CAAACGTGAAGTGTGTCAGGAG-3'	<i>yjaA</i>	59	211	Clermont et al 2000 [44]
yjaA.2b	5'-AATGCGTTCCTCAACCTGTG-3'				
TspE4C2.1b	5'-CACTATTCGTAAGGTCATCC-3'	<i>TspE4C2</i>	59	152	Clermont et al 2013 [31]
TspE4C2.2b	5'-AGTTTATCGCTGCGGGTCGC-3'				
AceK.f	5'-AACGCTATTCGCCAGCTTGC-3'	<i>arpA</i>	59	400	Clermont et al 2013 [31]
ArpA1.r	5'-TCTCCCCATACCGTACGCTA-3'				
ArpAgpE.f	5'-GATTCCATCTTGTCAAAATATGCC-3'	<i>arpA</i>	57	301	Lescat et al 2013 [47]
ArpAgpE.r	5'-GAAAAGAAAAAGAATTCCCAAGAG-3'				
trpAgpC.1	5'-AGTTTTATGCCCAGTGCGAG-3'	<i>trpA</i>	57	219	Lescat et al 2013 [47]
trpAgpC.2	5'-TCTGCGCCGGTCACGCCC-3'				
trpBA.f	5'-CGGCGATAAAGACATCTTCAC-3'	<i>trpA</i>	57	489	Clermont et al 2008 [48]
trpBA.r	5'-GCAACGCGGCCTGGCGGAAG-3'				
ybgD.1	5'-TATGCGGCTGATGAAGGATC-3'	<i>ybgD</i>	57	177	Clermont et al 2019 [32]
ybgD.2	5'-GTTGACTAAGCGCAGGTCGA-3'				
cfaB.1	5'-CTAACGTGATGCTGCTCTG-3'	<i>cfaB</i>	57	384	Clermont et al 2019 [32]
cfaB.2	5'-TGCTAACTACGCCACGGTAG-3'				