

Supplementary Table 1. Primer sequences, PCR protocols and sizes of PCR-amplified target genes of *E. coli* pathotypes.

Target Strains	Target Genes	Primer Sequence (5'→3')	Reaction Conditions (°C)	Cycles	Amplicon Size (bp)	Positive Control
EPEC	<i>eae</i>	TCAATGCAGTTCCGTTATCAGTT GTAAAGTCCGTTACCCCAACCTG	95°, 94°, 55°, 68°, 72° 15', 45'', 45'', 2', 5'	35	482	DSM 8695
ETEC	<i>lt</i>	GCACACGGAGCTCCTCAGTC TCC TTCATCCTTTCAATGGCTTT	95°, 94°, 58°, 72°, 72° 3', 30'', 1', 1', 10'	35	218	DSM 10973
EAEC	<i>eagg</i>	AGACTCTGGCGAAAGACTGTATC ATGGCTGTCTGTAATAGATGAGAAC	95°, 94°, 55°, 68°, 72° 15', 45'', 45'', 2', 5'	35	194	DSM 10974
UPEC	<i>papC</i>	GACGGCTGTACTGCAGGGTGGCG ATATCCTTTCTGCAGGGATGCAATA	94°, 94°, 55°, 72°, 72° 2', 1', 1', 1', 5'	30	382	DSM 4816
NMEC	<i>ibeA</i>	TGGAACCCGCTCGTAATATAC CTGCCTGTTCAAGCATTGCA	95°, 94°, 58°, 72°, 72° 3', 30'', 1', 1', 10'	30	342	DSM 10819
DAEC	<i>daaE</i>	GAACGTTGGTTAATGTGGGGTAA TATTCACCGGTCGGTTATCAGT	94°, 92°, 59°, 72°, 72° 2', 30'', 30'', 30'', 5'	30	542	-
EIEC	<i>ipaH</i>	CTC GGCACGTTTTAATAGTCTGG GTGGAGAGCTGAAGTTTCTCTGC	95°, 95°, 55°, 72°, 72° 5', 45'', 45'', 45'', 10'	30	320	DSM 9025