Supplementary File S1. Sequence of initiator oligonucleotides used for amplifying genes associated with STEC, EPEC, ETEC, ExPEC, EIEC, and EAEC groups, along with the fragment size acquired, annealing temperature, control samples, and references.

Pathotype	Virulence Factor	Gene	Sequence	Size (bp)	Pairing temperature (°C)	Positive control strain	Reference
STEC	Stx1	*stxA*	for 5' TTAGACTTCTCGACTGCAAAG	530	60	EcL 6611	[12]
			rev 5' TGTTGTACGAAATCCCCTCTG				
	Stx2all Shiga-like toxin type ll subunit A and B	*stx2A*	for 5' TTATATCTGCGCCGGGTCTG	326			
			rev 5' AGACGAAGATGGTCAAAACG				
EPEC	EAE (intimin)	*eae*	for 5' CATTATGGAACGGCAGAGGT	790			[13]
			rev 5' ATCTTCTGCGTACTGCGTTCA				
	Bundle forming pili fimbria	*bfp*	for 5' GGAAGTCAAATTCATGGGGGTAT	300		EcL2348/69	[14]
			rev 5' GGAATCAGACGCAGACTGGTAGT				
ETEC	STa	*estA*	for 5' TCCCCTCTTTTAGTCAGTCAACTG	163			[15]
			rev 5' GCACAGGCAGGATTACAACAAAGT				
	STb	*estB*	for 5' GCAATAAGGTTGAGGTGAT	368			[16]
			rev 5' GCCTGCAGTGAGAAATGGAC				
	LT	*eltB*	for 5' TTACGGCGTTACTATCCTCTCTA	275		EcL7805	[17]
			rev 5' GGTCTCGGTCAGATATGTGATTC				
	F4 K88ab1 and K88ab2	*faeG*	for 5' ATC GGT GGT AGT ATC ACT GC	601			[18]
			rev 5' AAC CTG CGA CGT CAA CAA GA				
ExPEC	CNF-1	*cnf*	for 5′ TCG TTA TAA AAT CAA ACA GTG	633	55	EcL13421	[19]
			rev 5' CTT TAC AAT ATT GAC ATG CTG				
	P fimbria	*papC*	for 5' TGA TAT CAC GCA GTC AGT AGC	338			
			rev 5' CCG GCC ATA TTC ACA TAA C				
	Aerobactin	*iucD*	for 5' AAGTGTCGATTTTATTGGTGTA	778		EcL 3110	[20]
			rev 5' CCATCCGATGTCAGTTTTCTG				
	temperature-sensitive hemagglutinin	*tsh*	for 5' GGTGGTGCACTGGAGTGG	620			[21]
			rev 5' AGTCCAGCGTGATAGTGG				
	S fimbriae adhesin	*sfa*	for 5' CTCCGGAGAACTGGGTGCATCTTAC	410	63	18147	[22]
			rev 5' CGGAGGAGTAATTACAAACCTGGCA				
	afimbrial adhesin VIII	*afa*	for 5'GGCAGAGGGCCGGCAACAGGC	594		18162	
			rev 5' CCCGTAACGCGCCAGCATCTC				
	protectins group II caps. polysacc. syn.	*kpsM II*	for 5'GCGCATTTGCTGATACTGTTG	570	63	O1:K7:H7	[22]
			rev 5' AGGTAGTTCAGACTCACACCT				
EIEC		*ipaH*	for 5' GTT CCT TGA CCG CCT TTC CGA TAC CGT C	620	60	H84-8226	[23]
			rev 5' GCC GGT CAG CCA CCC TCT GAG AGT AC				
		ial	for 5'CTG GAT GGT ATG GTG AGG	320			[24]
			rev 5' GGA GGC CAA CAA TTA TTT CC				
EAEC		*aaiC*	for 5' ATTGTCCTCAGGCATTTCAC	215	60	17.2	[25]
			rev 5' ACGACAACCCCTGATAAACAA				
		aatA	for 5' CTG GCG AAA GAC TGT ATC AT	629			[26]
			rev 5' CAA TGT ATA GAA ATC CGC TGT T				
		aggR	for 5' CTA ATT GTA CAA TCG ATG TA	457			
			rev 5' AGA GTC CAT CTC TTT GAT AAG				