Table S1. Primers used in this study for amplification of the virulence factors of pathotypes of *Escherichia coli*

Virulence factor	Primers	Pathotype	T_a(ºC)[a]	Amplicon (bp)	Oligonucleotide sequence (5´--> 3')	Reference
β-D-GUD	*uidA*-F	All	55	168	TGTGCCRGGMAGTTTTAAC	this study
	uidA-R				TGATTATTKACCCACACTTTG	
Shiga toxin 1	*stx*1-F	EHEC	55	107	GCAAAGAMGTATGTWGATTCG	this study
	*stx*1-R				GWGCCACTATCAATCATCAG	
Shiga toxin 2	*stx*2-F	EHEC	55	82	AATGCAAATCAGTCGTCAC	this study
	*stx*2-R				TGCATCTCTGGTCATTGTAT	
Shiga toxin 2 (variant)	*stx*2-F var	EHEC	55	82	GATGCAGATTRRKCGYCAT	this study
	*stx*2-R var				TGATGCGCGGGTCATGGAAC	
Intimin	*eae*-F	EHEC/EPEC	52	92	GCTATAACRTCTTCATTGATC	this study
	eae-R				RCTACTTTTRAAATAGTCTCG	
Enterohaemolysin	*ehx*A-F	EHEC/EPEC	55	86	GCACCACAACTTGAYAAACT	this study
	*ehx*A-R				CCAGATTATTACCTACATTYTCAG	
ST	*est*-F	ETEC	54	69/72	TGAAAGCATGAATRGTAGCAA	this study
	est-R				TTAATAACATSSAGCACAGG	
ST variant	*est*-F var	ETEC	54	69/73	TCAGAAAATATGAAYAACACATT	this study
	est-R var				TAATAGCACCCGGTACAAG	

LT	*elt*-F	ETEC	54	142	GGYAAAAGAGAAATGGTTAT	this study
	elt-R				TCTCGGTCAGATATGYGATTC	
Bundle- forming pilus (*bfp*A)	*bfp*A-F	EPEC	53	109	CMGGTGTGATGTTTTACTAC	this study
	*bfp*A-R				TGCCCAATATACARACCAT	
Invasion plasmid (*spa*24)	p*Inv*-F	EIEC	53	159	CCAATCACAATATCAGTACCA	this study
	p*Inv*-R				AAAGAGCCTTATTACCCATAT	
Enteroaggregative regulator	aggR-F	EAEC	56	94	TTTATCGCAATCAGATTAARC	this study
	aggR-R				GGACAACTRCAAGCATCTAC	
rbf_{O157}	rbf_{O157}-F	EHEC	55	125	CAAAAGGAAACTATATTCAGAAGT	(18)
	rbf_{O157}-R				CGATATACCTAACGCTAACAA	
$fliC_{H7}$	$fliC_{H7}$-F	EHEC	55	91	CGACAGGTCTTTATGATCTGA	(18)
	$fliC_{H7}$-R				ACTGTGACTTTATCGCCATT	
$wzxO_{104}$	wzx_{O104}-F	EAEC	55	99	GCGCAAAGAATTTCAACTT	(19)
	wzx_{O104}-R				TGTAAAATCCTTTAAACTATACG	
$fliC_{H4}$	$fliC_{H4}$-F	EAEC	55	192	CTGGGGGTAAACAAGTCAA	(19)
	$fliC_{H4}$-R				CCAGTGCTTTTAACGGATC	

[a] T_a, annealing temperature.

Table S2. Antimicrobial resistance rates found in *Escherichia coli* isolates depending on the host species.

Antimicrobial	**Concentration range (mg/L)**	**Cut-off**[a]	**Pigs**		**Broiler**		**Cattle**			
			Non-O157:H7[b] (n=278) [c]		Non-O157:H7 (n=196)		Non-O157:H7 (n=256)		O157:H7 (n= 50)	
			NR	%R	NR	%R	NR	%R	NR	%R
Ampicillin	0.5-32	8	192	69.1	139	70.9	40	15.6	17	34.0
Cefotaxime	0.06-4	0.25	3	1.1	51	26.0	0	0.0	0	0.0
Ceftazidime	0.25-16	0.5	4	1.4	45	23.0	0	0.0	0	0.0
Nalidixic Acid	4-64	16	51	18.3	164	83.7	8	3.1	17	34.0
Ciprofloxacin	0.008-8	0.06	81	29.1	169	86.2	9	3.5	17	34.0
Streptomycin	2-128	16	211	75.9	133	67.9	91	35.5	32	64.0
Kanamycin	4-128	8	45	16.2	24	12.2	7	2.7	13	26.0
Gentamicin	0.25-32	2	20	7.2	20	10.2	8	3.1	17	34.0
Chloramphenicol	2-64	16	76	27.3	37	18.9	25	9.8	18	36.0
Florphenicol	2-64	16	5	1.8	1	0.5	15	5.9	1	2.0

Tetracycline	1-64	8	251	90.3	147	75.0	125	48.8	32	64.0
Sulphonamide	8-1024	64	195	70.1	105	53.6	90	35.2	32	64.0
Trimethoprim	0.5-32	2	198	71.2	93	47.4	45	17.6	32	64.0
Colistin	2-4	2	0	0.0	0	0.0	0	0.0	0	0.0

Abbreviations: NR, number of resistant isolates; %R, percentage of resistant isolates; NA, Not applicable.

[a] EUCAST cut-off values (http://www.eucast.org/mic_distributions/)

[b] Non-O157:H7: *E. coli* belonging to other serotypes different than O157:H7.

[c] For colistin in pigs only 156 isolates were tested.