

Supplementalry Table

Table S1. Primers used for confirmation, characterization and amplification of virulence genes.

Targeted Strains	Primer Sets	Targeted Genes	Base Pairs	PCR Condition	Cycles	Ref.
Genus	F: GGTGTAGGATGAGACTATATA R: TTCCATCTGCCTCTCCC	Parts of 16S rRNA	439 bp	95°, 94°, 58°, 72°, 72° 5', 30'', 1', 1', 2'	33	[35]
<i>Campylobacter</i>	F: GGTAGCCGCAGCTGCTAAGAT R: AGCCAGTAACGCATATTATAGTAG	<i>cstA</i>	359 bp	95°, 94°, 58°, 72°, 72° 15', 30'', 1'30'', 1', 7'	25	[36]
<i>C. fetus</i>	F: GCTTCGCATAGCTAACAT R: GGTATGATTCTACAAAGCGAG	<i>asK</i>	502 bp	95°, 95°, 50°, 72°, 72° 15', 30'', 1'30'', 1', 7'	25	[36]
<i>C. coli</i>	F: TAGAGAGATAGCAAAAGAGA R: TACACATAATAATCCCACCC	<i>glyA</i>	251 bp	95°, 95°, 46°, 72°, 72° 6', 30'', 30'', 30'' 7'	30	[36]
<i>C. lari</i>	F: CAAATAAAGTTAGAGGTAGAATGT R: CCATAAGCACTAGCTAGCTGAT	<i>cj0414</i>	161 bp	95°, 95°, 50°, 72°, 72° 15', 30'', 1'30'', 1', 7'	25	[36]
<i>C. jejuni</i>	F: GGATTTTCGTATTAACACAAATGGTGC R: CTGTAGTAATCTTAAAACATTTTG	<i>flaA</i>	1723 bp	95°, 94°, 50°, 72°, 72° 4', 1', 1', 1', 5'	35	[3]
Flagellin adherence & colonization	F: TTGAAGGTAATTTAGATATG R: CTAATACCTAAAGTTGAAAC	<i>cadF</i>	400 bp	95°, 94°, 42°, 72°, 72° 4', 1', 1', 1', 5'	35	[3]
<i>C. adherence gene</i>	F: GCGCAAAATATTATCACCC R: TTCACGACTACTATGCGG	<i>iam</i>	519 bp	95°, 94°, 47°, 72°, 72° 4', 1', 1', 1', 5'	35	[37]
Invasion associated marker	F: TTTCCAAATTTAGATGATGC R: GTTCTTTAAATTTTTCATAATGC	<i>ciaB</i>	1165 bp	95°, 94°, 43°, 72°, 72° 4', 1', 1', 1', 5'	35	[38]
<i>C. invasion protein subunit B</i>	F: GAGCGTTTAGAATGGGTGTG R: GCCAGGAATTGATGGCATAG	<i>flgR</i>	390 bp	95°, 94°, 50°, 72°, 72° 4', 1', 1', 1', 5'	35	[39]
Flagellia synthesis & modification	F: GTTGGCACTTGGAATTTGCAAGGC R: GTTAAATCCCCTGCTATCAACCA	<i>cdtB</i>	495 bp	95°, 94°, 55°, 72°, 72° 4', 1', 1', 1', 5'	35	[3]
Cytolethal distending toxin subunit B						

Table S2. Primers sequences used for screening for antimicrobial resistance genes.

Antibiotics	Primer	Primer Sequence (5'–3')	Base Pair	PCR Conditions	Cycle	Ref.
Tetracycline	<i>tetA</i>	F: GCTACATCCTGCTTGCCCTTC R: CATAGATCGCCGTGAAGAGG	201 bp	94°, 94°, 55°, 72°, 72° 5', 1', 1', 1.5', 5'	35	[42]
		F: TTGGTTAGGGGCAAGTTTGT R: GTAATGGGCCAATAACACCG	359 bp	94°, 94°, 55°, 72°, 72° 5', 1', 1', 1.5', 5'	35	[42]
	<i>tetB</i>	F: CTTGAGAGCCTTCAACCCAG R: ATGGTCGTCATCTACCTGCC	418 bp	94°, 94°, 55°, 72°, 72° 5', 1', 1', 1.5', 5'	35	[42]

	<i>tetD</i>	F: AAACCATTACGGCATTCTGC R: GACCGGATACACCATCCATC	300 bp	94°, 94°, 55°, 72°, 72° 5', 1', 1', 1.5', 5'	35	[42]
	<i>tetK</i>	F: GTAGCGACAATAGGTAATAGT R: GTAGTGACAATAAACCTCCTA	460 bp	94°, 94°, 55°, 72°, 72° 5', 1', 1', 1.5', 5'	35	[43]
	<i>tetM</i>	F: AGT GGA GCG ATT ACA GAA R: CAT ATG TCC TGG CGT GTC TA	158 bp	94°, 94°, 55°, 72°, 72° 5', 1', 1', 1.5', 5'	35	[43]
Ciprofloxacin	<i>gyrA</i>	F: CGCGTACTATACGCCATGAACCTA R: ACCGTTGATCACTTCGGTCAGG	441 bp	95°, 94°, 55°, 72°, 72° 3', 1', 1', 1.5', 5'	35	[44]
Erythromycin	<i>ermB</i>	F: CGAGTGAAAAAGTACTCAACC R: GGCGTGTTCATTGCTTGATG	320 bp	94°, 94°, 55°, 72°, 72° 3', 1', 1', 1', 10'	35	[45]
Chloramphenicol	<i>catI</i>	F: AGTTGCTCAATGTACCTATAACC R: TTGTAATTCATTAAGCATTCTGCC	320 bp	94°, 94°, 50°, 72°, 72° 5', 30'', 30'', 1.5', 5'	30	[46]
	<i>catII</i>	F: ACACCTTGCCCTTTATCGTC R: TGAAAGCCATCACATACTGC	543 bp	94°, 94°, 50°, 72°, 72° 5', 30'', 30'', 1.5', 5'	30	[46]
Gentamycin	<i>aac(3)-IIa</i> (<i>aacC2</i>) ^a	F: CGGAAGGCAATAACGGAG R: TCGAACAGGTAGCACTGAG	740 bp	94°, 94°, 50°, 72°, 72° 5', 30'', 30'', 1.5', 5'	30	[46]
Ampicillin	<i>ampC</i>	F: TTCTATCAAMACTGGCARCC R: CCYTTTTATGTACCCAYGA	550 bp	94°, 94°, 45°, 72°, 72° 4', 45'', 45'', 45'', 7'	30	[47]
	GES-1-9 GES-11	F: AGTCGGCTAGACCGGAAAG R: TTTGTCCGTGCTCAGGAT	399 bp	94°, 94°, 55°, 72°, 72° 10', 40'', 40'', 1', 7'	30	[48]
	OXA-48-like	F: GCTTGATCGCCCTCGATT R: GATTTGCTCCGTGGCCGAAA	281 bp	94°, 94°, 55°, 72°, 72° 10', 40'', 40'', 1', 7'	30	[48]
Imipenem	IMP	F: TTGACACTCCATTTACDG R: GATYGAGAATTAAGCCACYCT	139 bp	94°, 94°, 57°, 72°, 72° 10', 40'', 40'', 1', 7'	30	[48]
	VIM	F: GATGGTGTGTTGGTCGCATA R: CGAATGCGCAGCACCAG	390 bp	94°, 94°, 57°, 72°, 72° 10', 40'', 40'', 1', 7'	30	[48]
	KPC	F: CATTCAAGGGCTTTCTTGCTGC R: ACGACGGCATAGTCATTTGC	538 bp	94°, 94°, 57°, 72°, 72° 10', 40'', 40'', 1', 7'	30	[48]