

**S1 File.** MIC distribution for *Campylobacter* isolates

Antimicrobial Agents	Species	MIC Range (mg/L)	ECOFF (mg/L) <sup>1</sup>	Isolates per MIC (mg/L)											Resistant Isolates (%)	
				0.12	0.25	0.5	1	2	4	8	16	32	64	128		>128
Tetracycline	<i>C. coli</i>	0.5-64	2								1	4	19	109		133 (100)
	<i>C. jejuni</i>		1			2	1		3	1	8	13	9		35 (95)	
Ciprofloxacin	<i>C. coli</i>	0.12-16	0.5			1			21	42	50	19				132 (99)
	<i>C. jejuni</i>		0.5	4		1	1	3	17	11						32 (88)
Nalidixic Acid	<i>C. coli</i>	1-64	16							1		17	72	43		132 (99)
	<i>C. jejuni</i>		16						3	1		15	16	2		33 (89)
Erythromycin	<i>C. coli</i>	1-128	8				49	2		1	2	5	5	17	52	81 (61)
	<i>C. jejuni</i>		4				33			1			1	2		4 (11)
Streptomycin	<i>C. coli</i>	0.25-16	4		2	12	30	9		1	5	74				80 (60)
	<i>C. jejuni</i>		4		16	16	3					2				2 (5)
Gentamicin	<i>C. coli</i>	0.12-16	2	11	79	29	1				6	7				13 (10)
	<i>C. jejuni</i>		2	23	11	3										

<sup>1</sup>EUCAST: *C.coli* and *C. jejuni* data from the EUCAST MIC distribution website last accessed 2 June 2017

**S2 File.** Genetic annotation of the genomic islands identified in *Campylobacter* isolates from this study.

Strain	Gene or ORF	Protein	Homologous Protein <sup>a</sup>	Amino Acid Identity (%)	Annotation/Blast hit
C. coli ZTA14/01086	<i>tet(O)</i>	639	639	639/639(100)	TetM/TetW/TetO/TetS family tetracycline resistance ribosomal protection protein [ <i>Campylobacter</i> ] / WP_021137831
	<i>pnp</i>	256	256	255/256(99)	Phosphorylase [ <i>Campylobacter coli</i> ] / WP_057033214
	<i>aad9</i>	259	160	160/160(100)	Aminoglycoside nucleotidyltransferase ANT9 [ <i>Campylobacter</i> ]/ WP_057031337
			68	57/68(84)	
	<i>erm(B)</i>	245	245	243/245(99)	23S rRNA (adenine(2058)-N(6))-methyltransferase Erm(B) [ <i>Campylobacter coli</i> ] / WP_060794049
	<i>orf1</i>	85	288	42/42(100)	Aminoglycoside nucleotidyltransferase ANT6 [Firmicutes] / WP_006426509
	<i>orf2</i>	108	108	105/108(97)	Hypothetical protein [ <i>Campylobacter coli</i> ] / WP_072238494
	<i>orf3</i>	81	81	81/81(100)	Hypothetical protein [Bacteroidales] / WP_032585129
<i>tet(O)</i>	639	295	294/295(99)	TetM/TetW/TetO/TetS family tetracycline resistance ribosomal protection protein [ <i>Campylobacter coli</i> ] / WP_002812495	
C. coli ZTA14/01426	<i>aph(2'')-IIIa</i>	303	306	301/303(99)	Aminoglycoside O-phosphotransferase APH(2'')-IIIa [ <i>Campylobacter coli</i> ] / WP_057037356
	<i>aph(3'')-IIIa</i>	264	264	264/264(100)	Aminoglycoside O-phosphotransferase APH(3'')-IIIa [Bacteria] / WP_001096887
	<i>pnp</i>	256	256	254/256(99)	phosphorylase [ <i>Campylobacter coli</i> ] / WP_057033214
	<i>aad9</i>	218	218	218/218(100)	Streptomycin 3''-adenylyltransferase [ <i>Campylobacter coli</i> CVM N29716] / ERF99003
	<i>orf4</i>	139	139	138/139(99)	ATPase associated with various cellular activities family protein [ <i>Clostridioides difficile</i> ] / WP_021397753
	<i>erm(B)</i>	245	245	244/245(99)	23S rRNA (adenine(2058)-N(6))-methyltransferase Erm(B) [ <i>Campylobacter coli</i> ] / WP_060794049
	<i>ant6</i>	288	288	287/288(99)	Aminoglycoside nucleotidyltransferase ANT6 [Firmicutes] / WP_006426509

<sup>a</sup>Homologous protein from the organism listed in the annotation/Blast hit column

**S3 File.** Host and geographical distribution of the *erm(B)* alleles identified.

Allele	Specie	Country	Host	GeneBank ID	
1	<i>Campylobacter coli</i> (reference)	China	Swine	KC575115	
	<i>Campylobacter coli</i> <sup>1</sup>	Spain	Turkey	This study	
	<i>Campylobacter coli</i>	China	Swine	KJ610808	
	<i>Campylobacter coli</i>	China	Human	KC876752	
	<i>Campylobacter coli</i>	China	Human	KC876751	
	<i>Campylobacter coli</i>	China	Human	KC876750	
	<i>Campylobacter coli</i>	China	Chicken	KC876748	
	<i>Enterococcus faecium</i>	Japan	Human	NG_047804	
	<i>Enterococcus faecium</i>	China	Wild boar	KJ645709	
	<i>Enterococcus faecium</i>	Japan	Human	JN899585	
	<i>Enterococcus faecium</i>	Japan	Human	JN899583	
	<i>Enterococcus faecium</i>	Japan	Human	JN899582	
	<i>Enterococcus faecium</i>		Human	HM565169	
	<i>Enterococcus hirae</i>	China	Food	CP015517	
	<i>Lactobacillus plantarum</i>	France	Food	FJ374272	
	<i>Staphylococcus aureus</i>	Taiwan	Human	LC102479	
	<i>Staphylococcus aureus</i>	Taiwan	Human	LC125352	
	<i>Streptococcus pyogenes</i>	Italy	Human	FN677480	
	<i>Streptococcus suis</i>	China	Wild boar	CP017142	
	<i>Streptococcus suis</i>	China	Swine	KT336321	
	<i>Streptococcus suis</i>	China	Swine	CP015557	
	<i>Streptococcus suis</i>	Canada	Swine	CP011419	
	<i>Streptococcus suis</i>	China	Swine	CP003922	
	<i>Streptococcus suis</i>	China	Swine	CP002644	
	<i>Streptococcus suis</i>	China	Swine	CP002640	
	<i>Streptococcus suis</i>	China	Swine	CP002465	
	<i>Streptococcus suis</i>	Italy	Human	FN997652	
	<i>Streptococcus suis</i>	Italy	Human	FN677479	
	<i>Streptococcus suis</i>	Vietnam	Human	FM252032	
	2 (A299G)	<i>Anaerostipes hadrus</i>	China	Human	CP012098
		<i>Arcanobacterium pyogenes</i>	United States		AY334073
		<i>Campylobacter coli</i> <sup>2</sup>	Spain	Chicken	KT953380
<i>Peptoclostridium difficile</i>		Germany	Human	HG475346	
<i>Peptoclostridium difficile</i>		Germany	Human	HF678446	
<i>Peptoclostridium difficile</i>		Italy	Human	HF678445	
<i>Peptoclostridium difficile</i>		United States	Human	FN668944	
<i>Peptoclostridium difficile</i>		Ireland	Human	FN668375	
<i>Peptoclostridium difficile</i>		United States	Cattle	FN665654	
<i>Peptoclostridium difficile</i>		Italy	Human	AM072511	
<i>Peptoclostridium difficile</i>		Italy	Human	AJ968665	
<i>Clostridium perfringens</i>		Canada	Chicken	JQ655732	
<i>Eggerthella spp.</i>		Japan	Human	AP012211	

	<i>Enterococcus faecalis</i>	Taiwan	Human	AB563188
	<i>Enterococcus faecium</i>	Australia	Human	LT598667
	<i>Enterococcus faecium</i>	China	Swine	KX156279
	<i>Enterococcus faecium</i>	China	Swine	KX156278
	<i>Enterococcus faecium</i>	Germany	Human	CP011830
	<i>Enterococcus faecium</i>	China	Wild boar	KJ645709
	<i>Enterococcus faecium</i>	China	Swine	KF421157
	<i>Enterococcus faecium</i>	Japan	Human	JN899587
	<i>Lactococcus garvieae</i>	Japan	Fish	AB290882
	<i>Macrococcus caseolyticus</i>	Japan	Human	AP009486
	<i>Peptoclostridium difficile</i>	Spain	Environment	LK933416
	<i>Peptoclostridium difficile</i>	Spain	Environment	LK932404
	<i>Staphylococcus aureus</i>	Germany	Cattle	FN806789
	<i>Staphylococcus aureus</i>	China	Swine	JX560992
	<i>Staphylococcus intermedius</i>	Switzerland	Dog	AF239773
3 (A353G)	<i>Campylobacter coli</i> <sup>3</sup>	Spain	Turkey	This study
	<i>Enterococcus faecium</i>	South Korea	Human	CP019210
	<i>Enterococcus faecium</i>	United States	Human	CP018072
	<i>Enterococcus faecium</i>	United States	Human	CP012468
	<i>Enterococcus faecium</i>	Australia	Human	LT603681
	<i>Enterococcus faecium</i>	United States	Human	CP013996
	<i>Enterococcus faecium</i>	Australia	Human	KR066794
	<i>Enterococcus faecium</i>	Australia	Human	CP006623
	<i>Enterococcus faecium</i>	Japan	Human	JN899586
	<i>Enterococcus faecium</i>	Japan	Human	JN899584
	<i>Selenomonas spp.</i>	United States	Human	CP014240
	<i>Staphylococcus pseudointermedius</i>	United States	Dog	CP015626
	<i>Staphylococcus pseudointermedius</i>	United States	Dog	CP016073
	<i>Staphylococcus pseudointermedius</i>	Spain	Dog	JF909978
	<i>Streptococcus pneumoniae</i>	France	Human	HG799498
	<i>Streptococcus pneumoniae</i>	Germany	Human	HG799489
	<i>Streptococcus pneumoniae</i>	Canada	Human	CP002925
	<i>Streptococcus pneumoniae</i>	Italy	Human	FN667862
	<i>Streptococcus pneumoniae</i>	Taiwan	Human	CP001033
	<i>Streptococcus suis</i>	Canada	Swine	CP012731
	<i>Streptococcus suis</i>	China	Swine	CP002644
4 (C726T)	<i>Campylobacter jejuni</i>	China	Chicken	KF864551

<sup>1</sup>*C. coli* ZTA14/01426, <sup>2</sup>*C. coli* ZTA09/02204, <sup>3</sup>*C. coli* ZTA14/01086