

**Table S1.** Nucleotide sequences of primers and sizes of the PCR products for the examined antibiotic resistance and virulence genes.

Gene	Nucleotide sequence of primer	Size of the PCR product (bp)	Reference
<i>ampC</i>	AMPCf 5' ATT CGT ATG CTG GAT CTC GCC ACC 3' AMPCr 5' CAT GAC CCA GTT CGC CAT ATC CTG 3'	395	[64]
<i>blaCMY2</i>	CMY2f 5' TGA TGC AGG AGC AGG CTA TTC CA 3' CMY2r 5' CTA ACG TCA TCG GGG ATC TGC 3'	323	[65]
<i>blaCTX-M</i>	CTXMf 5' ATG TGC AGY ACC AGT AAR GTK ATG GC 3' CTXMr 5' TGG GTR AAR TAR GTS ACC AGA AYC AGC GG 3'	593	[66]
<i>blaKPC</i>	KPCf 5' ATG TCA CTG TAT CGC CGT C 3' KPCr 5' AAT CCC TCG AGC GCG AGT 3'	863	[65]
<i>blaNDM</i>	NDMf 5' GGT GCA TGC CCG GTG AAA TC 3' NDMr 5' ATG CTG GCC TTG GGG AAC G 3'	660	[65]
<i>blaSHV</i>	SHVf 5' CTT TAT CGG CCC TCA CTC AA 3' SHVr 5' AGG TGC TCA TCA TGG GAA AG 3'	237	[66]
<i>blaTEM</i>	TEMf 5' CGC CGC ATA CAC TAT TCT CAG AAT GA 3' TEMr 5' ACG CTC ACC GGC TCC AGA TTT AT 3'	445	[66]
<i>blaVIM</i>	VIMf 5' GTT TGG TCG CAT ATC GCA AC 3' VIMr 5' AAT GCG CAG CAC CAG GAT AGA A 3'	382	[65]
<i>blaZ</i>	BLAZf 5' TTA AAG TCT TAC CGA AAG CAG 3' BLAZr 5' TAA GAG ATT TGC CTA TGC TT 3'	377	[67]
<i>mecA</i>	MECAf 5' CCT AGT AAA GCT CCG GAA 3' MECAr 5' CTA GTC CAT TCG GTC CA 3'	314	[68]
<i>cnf2</i>	CNF2f 5' GTG AGG CTC AAC GAG ATT ATG CAC TG 3'	839	[69]

	CNF2r 5' CCA CGC TTC TTC TTC AGT TGT TCC TC 3'		
<i>csgD</i>	CSGDf 5' TGA AAR YTG GCC GCA TAT CAA TG 3' CSGDr 5' ACG CCT GAG GTT ATC GTT TGC C 3'	355	[70]
<i>eaeA</i>	EAEAf 5' TGA GCG GCT GGC ATG AGT CAT AC 3' EAEAr 5' TCG ATC CCC ATC GTC ACC AGA GG 3'	241	[69]
<i>espB</i>	ESPBf 5' GCC GCT CTG ATT GGT GGT GCT 3' ESPBr 5' TGG CGT TGA ACC GGA AAT CCT 3'	387	[71]
<i>kfu</i>	KFUf 5' GAA GTG ACG CTG TTT GTG GC 3' KFUr 5' TTT CGT GTG GCC AGT GAC TC 3'	797	[72]
<i>LTI</i>	LTI f 5' TGG ATT CAT CAT GCA CCA CAA GG 3' LTI r 5' CCA TTT CTC TTT TGC CTG CCA TC 3'	360	[69]
<i>magA</i>	MAGAf 5' GGT GCT CTT TAC ATC ATT GC 3' MAGAr 5' GCA ATG GCC ATT TGC GTT AG 3'	1,280	[72]
<i>STII</i>	STII f 5' CCC CCT CTC TTT TGC ACT TCT TTC C 3' STII r 5' TGC TCC AGC AGT ACC ATC TCT AAC CC 3'	423	[69]
<i>uge</i>	UGEf 5' TCT TCA CGC CTT CCT TCA CT 3' UGEr 5' GAT CAT CCG GTC TCC CTG TA 3'	534	[72]
<i>vt2e</i>	VT2Ef 5' CCA GAA TGT CAG ATA ACT GGC GAC 3' VT2Er 5' GCT GAG CAC TTT GTA ACA ATG GCT G 3'	322	[69]

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