Supplementary Table S1. List of primers used in this study.

Genes	Primer name	Primer sequence (5' to 3')	Product size	Temperature	Reference
Resistance					
bla$_{OXA-48}$	OXAC-G48F	TGTRTTAGCCTTATCGGC	678 bp	55 ºC	This study
	OXAC-G48R	TCYAGTTCAACCCAACCG			
bla$_{KPC}$	KPCn-F	CTGTCTTGTCTCTCATGG	784 bp	55 ºC	Modified from (1)
	KPCn-R	TGTCATCCTTGTTAGGCG			
bla$_{IMI}$	IMIn-F	ACAGGCCAATACAAAGGG	606 bp	55 ºC	This study
	IMIn-R	TACGCTAGCACGAATACG			
bla$_{NDM}$	NDM-F	GGCCGTATGAGTGATTGC	775 bp	55 ºC	This study
	NDM-R	TATTATGCACCCGGTCGC			
bla$_{IMP}$	IMP-F	ATAGRGTGGCTTAATTCTC	230 bp	55 ºC	Modified from (2)
	IMP-R	GGTTTAARAAAACAACCACC			
bla$_{VIM}$	VIM-G2F	TGGTCGCATATCGCAACG	500 bp	55 ºC	Modified from (2)
	VIM-G2R	GGCCATTCAGCCAGATCG			
bla$_{TEM}$	TEM-P3	AGTGTCGACTTACCAATGCTTAATCAGT	942bp	55 ºC	(3)
	TEM-P4	AAAGAATTCTAAATACATTCAAATATG			
bla$_{SHV}$	SHV-A	CGCCGGGTTATTCTTATTTGTCGC	1017 bp	60 ºC	(4)
	SHV-B	TCTTTCCGATGCCGCCGCCAGTCA			
bla$_{CTX-M}$	CTX-M-G1F	AAAAATCACTGCGCCAGTTC	415 bp	52 ºC	(5)
	CTX-M-G1R	AGCTTATTCATCGCCACGTT			
	CTX-M-G2F	TTT GCG ATG TGC AGT ACC AGT AA	391 bp	52 ºC	(5)
	CTX-M-G2R	CCA GCG TCA GAT TTT TCA GG			
	CTX-M-G9F	CAA AGA GAG TGC AAC GGA TG	205 bp	52 ºC	(5)

	CTX-M-G9R	ATT GGA AAG CGT TCA TCA CC			
aac(6')-Ib	Aac6-Ib-F	TGCGATGCTCTATGAGTGGCTA	481 bp	55 ºC	This study
	Aac6-Ib-R	CTCGAATGCCTGGCGTGTTT			
qnrA	QnrA-F	CTAATCCGGCAGCACTATTA	661 bp	55 ºC	(6)
	QnrA-R	GGGTATGGATATTATTGATAAAG			
qnrB	QnrB-F	GGCACTGAATTTATCGGC	431 bp	55 ºC	(7)
	QnrB-R	TCCGAATTGGTCAGATCG			
qnrS	QnrS-F	CCTACAATCATACATATCGGC	621bp	55 ºC	(7)
	QnrS-R	GCTTCGAGAATCAGTTCTTGC			
Virulence (Klebsiella)					
fimH	fim-1	GCT CTG GCC GAT AC(C/T) AC(C/G) ACG G	423 bp	55 ºC	(8)
	fim-2	GC(G/A) (A/T)A (G/A)T AAC G(T/C) GCC TGG AAC GG			
mrkD	mrkD-1	TAT (T/C)G(G/T) CTT AAT GGC GCT GG	920 bp	50 ºC	(8)
	mrkD-2	TAA TCG TAC GTC AGG TTA AAG A(C/T)C			
wabG	wabG-F	CGG ACT GGC AGA TCC ATA TC	683 bp	53 ºC	(8)
	wabG-R	ACC ATC GGC CAT TTG ATA GA			
uge	uge-F	GAT CAT CCG GTC TCC CTG TA	534 bp	53 ºC	(9)
	uge-R	TCT TCA CGC CTT CCT TCA CT			
ureA	ureA-F	GCT GAC TTA AGA GAA CGT TAT G	337 bp	55 ºC	(8)
	ureA-R	GAT CAT GGC GCT ACC T(C/T) A			
rmpA	rmpA-F	ACT GGG CTA CCT CTG CTT CA	535 bp	46 ºC	(8)
	rmpA-R	CTT GCA TGA GCC ATC TTT CA			
magA	magA-F	GGT GCT CTT TAC ATC ATT GC	1283 bp	50 ºC	(10)
	magA-R	GCA ATG GCC ATT TGC GTT AG			
wzy	wzy-F	GACCCGATATTCATACTTGACAGAG	641 bp	55 ºC	(11)
	wzy-R	CCTGAAGTAAAATCGTAAATAGATGGC			

kfuBC	kfuB-F1179	GAA GTG ACG CTG TTT CTG GC	797 bp	55 ºC	(12)
	kfuC-R649	TTT CGT GTG GCC AGT GAC TC			
clbB	clbB-F	GATTTGGATACTGGCGATAACCG	579 bp	55 ºC	(13)
	clbB-R	CCATTTCCCGTTTGAGCACAC			
clbN	clbN-F	GTTTTTGCTCGCCAGATAGTCATTC	733 bp	55 ºC	(13)
	clbN-R	CAGTTCGGGTATGTGTGGAAGG			
allS	1416R	CCG TTA GGC AAT CCA GAC	1090 bp	49 ºC	(14)
	336F2	TCT GAT TTA (A/T)CC CAC ATT			
Plasmid addiction systems					
pemK	PemK-up	AAC GAG AAT GGC TGG ATG C	232 bp	54 ºC	(15)
	PemK-low	CCA ACG ACA CCG CAA AGC			
ccdAB	CcdA-up	AGG AAG GGA TGG CTG AGG T	230 bp	54 ºC	(15)
	CcdB-low	GGT AAA GTT CAC GGG AGA C			
relE	RelE-up	AAA AAC CCG ATG GCG ACA G	370 bp	57 ºC	(15)
	RelE-low	TGA TAG ACC AGG CGA AAA C			
parDE	ParD-up	ACG GAC CAG CAG CAC CAG	534 bp	58 ºC	(15)
	ParE-low	AGC CCT TGA GCC TGT CGG			
vagCD	VagC-up	GGG ACC TGG ATT TTG ATG G	210 bp	53 ºC	(15)
	VagD-low	GAG CAG ATG TTG GTG TCG			
hok-sok	Hok-up	AGA TAG CCC CGT AGT AAG TT	203 bp	54 ºC	(15)
	Sok-low	GAT TTT CGT GTC AGA TAA GTG			
pndCA	PndC-up	TCA ATC AAC CAG GGC TCT	140 bp	52 ºC	(15)
	PndA-low	CCT CAC CAT CCA GAC AAA A			
srnBC	SrnB-up	ACT GAT TGT AGC CTC TTC TTT	171 bp	54 ºC	(15)
	SrnC-low	CAC CAC TGT ATT TCC CCT GT			
Plasmid partition systems					

ParMRC-F	GGTTTCTTTCGTCAGCAGCTCACA	1081bp	55 ºC	This study
ParMRC-R	CCGAACAGCTTCAAACGCGAGT			
SopAB-F	GGCACAGCCTCGATGTATCAC	1232bp	55 ºC	This study
SopAB-R	GGCTTGTATAACGCAGGCCA			
ParAB-F	GCTCCGACTGAACCGGGAA	1738bp	55 ºC	This study
ParAB-R	GCGAAAGTATCCGACAGCAA			

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