

Supplemental material

Table S1. PCR primers for screening of carbapenemase and β -lactamase genes in this study.

Type	Gene	Primers	Length	Ref
Carbapenemases				
CphA	<i>bla</i> _{CphA}	cphA 4-F: CATGGTCTATTTTCGGGGCCA cphA 603-R: GCCTTGATCAGCTCTTCGTAGTGATC	600	1
BEL	<i>bla</i> _{BEL}	BEL-F: CGA CAA TGC CGC AGC TAA CC BEL-R: CAG AAG CAA TTA ATA ACG CCC	449	2
KPC	<i>bla</i> _{KPC}	KPC-F: ATGTCACTGTATCGCCGTC KPC-R: TTA CTGCCCCGTTGACGCC	902	3
SME	<i>bla</i> _{SME}	SME-F1: GAGGAAGACTTTGATGGGAGGAT SME-R1: TCCCCTCAGGACCGCCAAG	334	4
IMI	<i>bla</i> _{IMI}	IMI-F: TGCGGTCGATTGGAGATAAA IMI-R: CGATTCTTGAAGCTTCTGCG	399	4
BIC	<i>bla</i> _{BIC}	BIC-F: TATGCAGCTCCTTTAAGGGC BIC-R: TCATTGGCGGTGCCGTACAC	537	5
IMP	<i>bla</i> _{IMP}	IMP-F: GTTTATGTTTCATACWTCG IMP-R: GGTTTAAAYAAAACAACCAC	432	6
VIM	<i>bla</i> _{VIM}	VIM-F: TTTGGTTCGCATATCGCAACG VIM-R: CCATTCAGCCAGATCGGCAT	500	6
NDM	<i>bla</i> _{NDM}	NDM-F: ATGGAATTGCCCAATATTATGCAC NDM-R: TCAGCGCAGCTTGTCGGC	813	7
SPM	<i>bla</i> _{SPM}	SPM-F: AAAATCTGGGTACGCAAACG SPM-R: ACATTATCCGCTGGAACAGG	271	5
DIM	<i>bla</i> _{DIM}	DIM-F: GCTTGTCTTCGCTTGCTAACG DIM-R: CGTTCGGCTGGATTGATTTG	699	5
GIM	<i>bla</i> _{GIM}	GIM-F: TCGACACACCTTGGTCTGAA GIM-R: AACTTCCAACCTTTGCCATGC	477	5
SIM	<i>bla</i> _{SIM}	SIM-F: TACAAGGGATTTCGGCATCG SIM-R: TAATGGCCTGTTCCCATGTG	570	5
AIM	<i>bla</i> _{AIM}	AIM-F: CTGAAGGTGTACGGAAACAC AIM-R: GTTCGGCCACCTCGAATTG	322	5
SMB	<i>bla</i> _{SMB}	SMB-F: CAGCAGCCATTACCATCTA SMB-R: GAAGACCACGTCCTTGCACT	492	8
OXA	<i>bla</i> _{OXA-23-like}	OXA-23-F: TCTGGTTGTACGGTTCAGC OXA-23-R: AGTCTTTCCAAAAATTTTG	606	6
	<i>bla</i> _{OXA-24-like}	OXA-24-F: ATGAAAAAATTTATACTTCC OXA-24-R: TTAAATGATTCCAAGATTTTC		6
	<i>bla</i> _{OXA-48-like}	OXA-48-F: TTGGTGGCATCGATTATCGG OXA-48-R: GAGCACTTCTTTTGTGATGGC	744	9

	<i>bla</i> _{OXA-58-like}	OXA-58-F: AAGTATTGGGGCTTGTGCTG OXA-58-R: CCCCTCTGCGCTCTACATAC	599	10
	<i>bla</i> _{OXA-143-like}	OXA-143-F: TGGCACTTTCAGCAGTTCCT OXA-143-R: TAATCTTGAGGGGGCCAACC	149	11
	<i>bla</i> _{OXA-235-like}	OXA-235-F: TTGTTGCCTTTACTTAGTTGC OXA-235-R: CAAAATTTTAAGACGGATCG	768	12
	<i>bla</i> _{OXA-114}	OXA-114-F: CGCATCCTGTTCCAGCA OXA-114-R: GTGCCGGTCTTGCCATAC	509	13
Extended-spectrum β-lactamases				
CTX-M	<i>bla</i> _{CTX-M}	CTX-M-F: TTTGCGATGTGCAGTACCAGTAA CTX-M-R: CGATATCGTTGGTGGTGCCATA		14
	universal			
	<i>bla</i> _{CTX-M-1} group	CTX-M-1GF: AAAAATCACTGCGCCAGTTC CTX-M-1GR: AGCTTATTCATCGCCACGTT	415	15
	<i>bla</i> _{CTX-M-2} group	CTX-M-2GF: CGACGCTACCCCTGCTATT CTX-M-2GR: CCAGCGTCAGATTTTTCAGG	552	15
	<i>bla</i> _{CTX-M-8} group	CTX-M-8GF: TCGCGTTAAGCGGATGATGC CTX-M-8GR: AACCCACGATGTGGGTAGC	666	15
	<i>bla</i> _{CTX-M-9} group	CTX-M-9GF: CAAAGAGAGTGCAACGGATG CTX-M-9GR: ATTGGAAAGCGTTCATCACC	205	15
	<i>bla</i> _{CTX-M-25} group	CTX-M-25GF: GCACGATGACATTCGGG CTX-M-25GR: AACCCACGATGTGGGTAGC	327	15
DHA	<i>bla</i> _{DHA}	DHA-F: AACTTTCACAGGTGTGCTGGGT DHA-R: CCGTACGCATACTGGCTTTGC	405	16
FOX-5	<i>bla</i> _{FOX}	FOX-F: ATGCCAATTCATTCACCAC FOX-R: ATKTTGGAMGCCTTGAACCTCG		17
AmpC	<i>bla</i> _{AmpC}	AmpC-F: ATCAAAACTGGCAGCCG AmpC-R: GAGCCCGTTTTATGGACCCA	170	18
TEM	<i>bla</i> _{TEM}	TEM-F: ATGAGTATTCAACATTTCCGTG TEM-R: TTACCAATGCTTAATCAGTGAG	861	14
SHV	<i>bla</i> _{SHV}	SHV-F: ATTTGTCGCTTCTTTACTCGC SHV-R: TTTATGGCGTTACCTTTGACC		14
GES	<i>bla</i> _{GES}	GES-ESBL-F: AGTCGGCTAGACCGGAAAG GES-ESBL-R: TTTGTCCGTGCTCAGGAT	399	19
PER	<i>bla</i> _{PER}	PER-F: ATGAATGTCATTATAAAAG PER-R: TTGGGCTTAGGGCAG	927	6
PSE	<i>bla</i> _{PSE}	PSE-F: AATGGCAATCAGCGCTTCCC PSE-R: GGGGCTTGATGCTCACTCCA	586	20
VEB	<i>bla</i> _{VEB}	VEB-F: CATTTCCCGATGCAAAGCGT VEB-R: CGAAGTTTCTTTGGACTCTG	648	19
OXA	<i>bla</i> _{OXA-1} group	OXA-1-F: GGCACCAGATTCAACTTTCAAG OXA-1-R: GACCCCAAGTTTCCTGTAAGTG	564	19

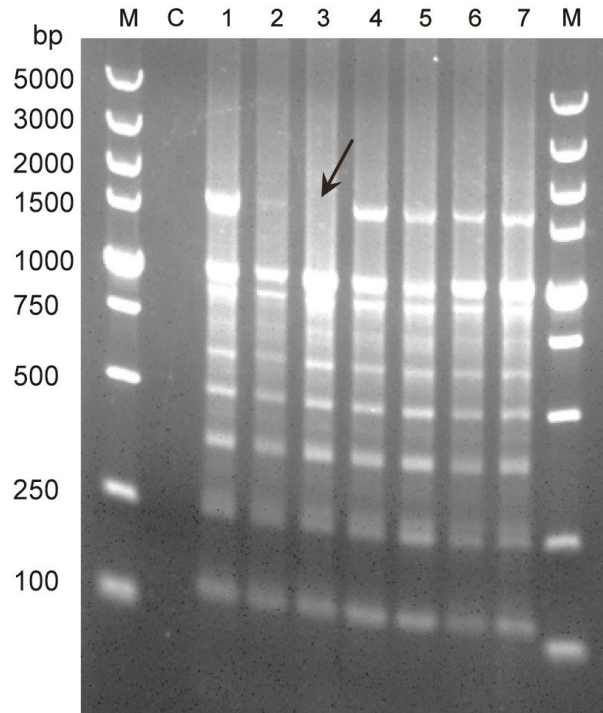


Figure S1. ERIC-PCR fingerprint pattern of seven clinical isolates. M, molecular marker; C, negative control; Lane1, Ro25687; lane2, Ro25277; lane3, Ro24724; lane 4, Ro24522; lane 5, Ro24362; lane 6, Ro24005; lane 7, Ro23980A. The arrow shows the band only absent from strain Ro24724.

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