

Table S1 Primers used in the study.

Genes	Primer sequence (5' 3')	Annealing temperature (°C)	Amplicon size (bp)
<i>bla_{KPC}</i>	F: GCTACACCTAGCTCCACCTTC	52	1050
	R: TCAGTGCTCTACAGAAAACC		
<i>bla_{NDM}</i>	F: GGTTTGGCGATCTGGTTTTTC	52	621
	R: CGGAATGGCTCACGATC		
<i>bla_{IMP}</i>	F: CATGGTTTGGTGGTTCTTGT	50	488
	R: ATAATTTGGCGGACTTTGGC		
<i>bla_{VIM}</i>	F: GATGGTGTTTGGTCGCATA	58	390
	R: CGAATGCGCAGCACCAG		
<i>bla_{OXA-48}</i>	F: TTGGTGGCATCGATTATCGG	58	744
	R: GAGCACTTCTTTTGTGATGGC		
<i>bla_{CTX-M-1}</i>	F: AAAAATCACTGCGTCAGTTCAC	55	867
	R: ACAAACCGTTGGTGACGATT		
<i>bla_{CTX-M-9}</i>	F: TAT TGGGAGTTTGAGATGGT	50	933
	R: TCCTTCAACTCA GCAAAAGT		
<i>bla_{SHV}</i>	F: AGCCGCTTGAGCAAATTAAC	60	713
	R: ATCCCGCAGATAAATCACCAC		
<i>bla_{TEM}</i>	F: CATTTCCGTGTCGCCCTTATTC	60	800
	R: CGTTCATCCATAGTTGCCTGAC		
<i>ompC</i>	F: GAGAATGGACTTGCCGACTG	55	1289
	R: CGAACGGTCGCAAGAGTA		
<i>ompF</i>	F: CAGAACTTATTGACGGCAG	55	1410
	R: CGGGACGTTTCATCGGCAC		
<i>fosA3</i>	F: CGGGAGGAAAAGTCATGCTG	51	209
	R: ATAGTCGCTTTCCTGAGGGG		
<i>fosA</i>	F: CAAGTGAATAAAGGCGCTT	56	241
	R: ACCTACATGAACCTCCAAC		
<i>mcr-1</i>	F: GCTCGGTCAGTCCGTTTG	56	1626
	R: GAATGCGGTGCGGTCTTT		

R: AATGGAGATCCCCGTTTTT

Table S2 mCIM results for isolates tested in our study¹

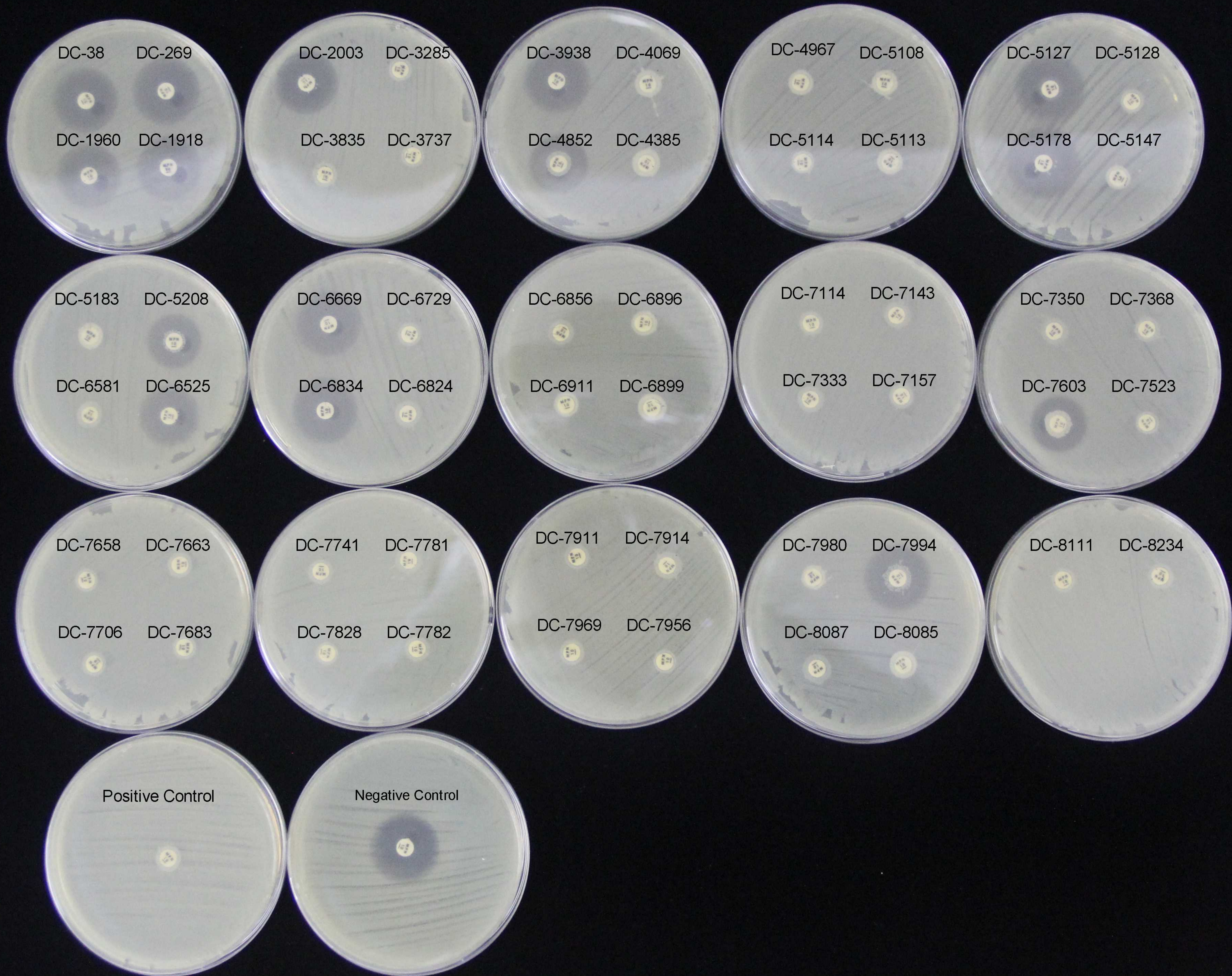
Isolates	mCIM zone diameter (mm)	mCIM result ²
DC-38	19	Neg ³
DC-269	21	Neg
DC-1918	19	Neg
DC-1960	20	Neg
DC-2003	21	Neg
DC-3285	6	Pos ⁴
DC-3737	6	Pos
DC-3835	6	Pos
DC-3938	21	Neg
DC-4069	6	Pos
DC-4385	6	Pos
DC-4852	20	Neg
DC-4967	6	Pos
DC-5108	6	Pos
DC-5113	6	Pos
DC-5114	6	Pos
DC-5127	22	Neg
DC-5128	6	Pos
DC-5147	6	Pos
DC-5178	22	Neg
DC-5183	6	Pos
DC-5208	19	Neg
DC-6525	20	Neg
DC-6581	6	Pos
DC-6669	20	Neg
DC-6729	6	Pos
DC-6824	6	Pos
DC-6834	22	Neg
DC-6856	6	Pos
DC-6896	6	Pos
DC-6899	6	Pos

DC-6911	6	Pos
DC-7114	6	Pos
DC-7143	6	Pos
DC-7157	6	Pos
DC-7333	6	Pos
DC-7350	6	Pos
DC-7368	6	Pos
DC-7523	6	Pos
DC-7603	19	Neg
DC-7658	6	Pos
DC-7663	6	Pos
DC-7683	6	Pos
DC-7706	6	Pos
DC-7741	6	Pos
DC-7781	6	Pos
DC-7782	6	Pos
DC-7828	6	Pos
DC-7911	6	Pos
DC-7914	6	Pos
DC-7956	6	Pos
DC-7969	6	Pos
DC-7980	6	Pos
DC-7994	21	Neg
DC-8085	6	Pos
DC-8087	6	Pos
DC-8111	6	Pos
DC-8234	6	Pos

¹mCIM, modified carbapenem inactivation method; ²mCIM result, Results were interpreted as positive when the zone diameter of 6-15 mm or presence of pinpoint colonies within a 16-18 mm zone. If the zone of inhibition was 19 mm or more the isolate was determined to be carbapenemase negative. For isolates with a zone size of 16-18 mm the carbapenemase status was recorded as indeterminate; ²Neg, negative; ³Pos, positive.

Figure legend

Figure S1 Modified carbapenem inactivation method (mCIM) for phenotypic detection of carbapenemase production among the analyzed isolates. A positive control (*Klebsiella pneumoniae* ATCC BAA-1705) and a negative control (*Klebsiella pneumoniae* ATCC BAA-1706) were tested in parallel. Results were interpreted as positive when the zone diameter of 6-15 mm or presence of pinpoint colonies within a 16-18 mm zone. If the zone of inhibition was 19 mm or more the isolate was determined to be carbapenemase negative. For isolates with a zone size of 16-18 mm the carbapenemase status was recorded as indeterminate.



DC-38 DC-269

DC-2003 DC-3285

DC-3938 DC-4069

DC-4967 DC-5108

DC-5127 DC-5128

DC-1960 DC-1918

DC-3835 DC-3737

DC-4852 DC-4385

DC-5114 DC-5113

DC-5178 DC-5147

DC-5183 DC-5208

DC-6669 DC-6729

DC-6856 DC-6896

DC-7114 DC-7143

DC-7350 DC-7368

DC-6581 DC-6525

DC-6834 DC-6824

DC-6911 DC-6899

DC-7333 DC-7157

DC-7603 DC-7523

DC-7658 DC-7663

DC-7741 DC-7781

DC-7911 DC-7914

DC-7980 DC-7994

DC-8111 DC-8234

DC-7706 DC-7683

DC-7828 DC-7782

DC-7969 DC-7956

DC-8087 DC-8085

Positive Control

Negative Control