Supplementary data

Table S1. Mechanisms of colistin resistance, carbapenemase content and MICs of ceftazidimeavibactam, aztreonam and combination of ceftazidime/avibactam + aztreonam of the colistinresistant and carbapenemase-producing *K. pneumoniae* isolates.

			MICs (mg/L)		
Isolates	Resistance mechanisms to colistin	Carbapenemase	CZA	ATM	CZA+ATM
11 l8	IS5 between +74 and +75 of mgrB gene	KPC-3	6	-	-
20 C9	IS5 between +74 and +75 of mgrB gene	KPC-3	2	-	-
13.45	ISKpn26-like between +74 and +75 of mgrB gene	KPC-2	1.5	-	-
16.72	Full deletion of mgrB gene	KPC-2	1.5	-	-
21.43	Premature termination of MgrB	KPC-2	1	-	-
C1	IS10R into mgrB promotor between -26 and -27	KPC-2	1.5	-	-
C3	T157P substitution in PmrB	KPC-3	1	-	-
C7	G183V substitution in CrrB	KPC-2	0.75	-	-
C9	IS5 between +74 and +75 of <i>mgrB</i> gene	KPC-2	1.5	-	-
C11	Premature termination of MgrB	KPC-2	1.5	-	-
T1b	IS5 between +74 and +75 of mgrB gene	KPC-2	1	-	-
12 E2	N42Y and K43I substitutions in MgrB	OXA-48	0.5	-	-
15.72	G53S substitution in PmrA	OXA-48	0.5	-	-
12.32	IS1R into mgrB promotor between -45 and -46	OXA-48	1	-	-
14.5	Deletion of one nucleotide in <i>mgrB</i> at position 74	OXA-48	0.5	-	_
14.22	Deletion of one nucleotide in <i>mgrB</i> at position 23	OXA-48	2	-	_
15.20	IS1R between +21 and +22 of mgrB gene	OXA-48	0.38	-	_
16.43	IS5-like between +74 and +75 of <i>mgrB</i> gene	OXA-48	0.00	_	_
18.5	IS 1R into mgrB promotor between -45 and -46	OXA-48	0.72	_	_
18.60	Full deletion of mgrB gene	OXA-48	0.5	_	_
19.3	ISKpn14-like into mgrB promotor between -45 and -46	OXA-48	1.5	_	_
20.10	Duplication of 19 nt between +84 and +85 of <i>mgrB</i> gene	OXA-48	0.19		_
20.10	IS 102-like between +36 and +37 of mgrB gene	OXA-48	0.19	-	-
20.10	M27K substitution in MgrB	OXA-48 OXA-48	0.25 1.5	-	-
22.53	IS1R into mgrB promotor between -61 and -62	OXA-48 OXA-48	1.5	-	-
22.55		OXA-48 OXA-48	0.38	-	-
22.70 Af47	Premature termination of MgrB	OXA-48 OXA-48	0.38	-	-
	Full deletion of <i>mgrB</i> gene			-	-
T2 T7	T157P substitution in PmrB	OXA-48	1.5	-	-
T7	L17Q substitution in PmrB	OXA-48	0.5	-	-
T153	IS2 between +64 and +65 of <i>mgrB</i> gene	OXA-48	0.75	-	-
T163	IS2 between +44 and +45 of <i>mgrB</i> gene	OXA-48	0.75	-	-
T166	IS 1R between +123 and +124 of mgrB gene	OXA-48	1	-	-
T167	IS <i>Kpn14</i> between +77 and +78 of <i>mgrB</i> gene	OXA-48	0.5	-	-
T191	T157P substitution in PmrB	OXA-48	0.12	-	-
T232	Premature termination of MgrB	OXA-48	0.75	-	-
T286	W47R substitution in MgrB	OXA-48	0.75	-	-
T65	IS1R into mgrB promotor between -45 and -46	OXA-48	1.5	-	-
T82	T157P substitution in PmrB	OXA-48	3	-	-
T83	IS1R between +44 and +45 of mgrB gene	OXA-48	2	-	-
T101	R16C substitution in PhoQ	OXA-48	3	-	-
T104	IS1R between +44 and +45 of mgrB gene	OXA-48	3	-	-
T106	ISKpn14 into mgrB promotor between -28 and -29	OXA-48	0.38	-	-
T332A	ISKpn14 into mgrB promotor between -28 and -29	OXA-48	0.75	-	-
Af18	Deletion of one nucleotide in <i>mgrB</i> at position 70	OXA-181	1.5	-	-
Af39	IS903B between +76 and +77 of mgrB gene	OXA-181	0.75	-	-
Af44	P151L substitution in CrrB	OXA-181	0.25	-	-

Af53	Unknown	OXA-181	0.38	-	-			
Af54	Full deletion of <i>mgrB</i> gene	OXA-181	1	-	-			
VOLb	IS1R between +118 and +119 of mgrB gene	NDM	>256	6	1			
5241	Full deletion of <i>mgrB</i> gene	NDM	>256	24	0.25			
LECL	IS903B between +69 and +70 of mgrB gene	NDM	>256	>256	0.25			
Af25	Premature termination of MgrB	NDM	>256	64	0.19			
Af37	G53S substitution in PmrA	NDM	>256	>256	2			
Af43	Deletion of 10 nt between +48 and +57 of <i>mgrB</i> gene	NDM	>256	0.19	0.12			
T335	W20R substitution in MgrB	NDM	>256	>256	0.094			
T346	Deletion 11 nt between +22 and +32 of <i>mgrB</i> gene	NDM	>256	>256	0.5			
14.36	IS1R into mgrB promotor between -36 and -37	OXA-48+NDM	>256	>256	1.5			
T4	IS903B between +69 and +70 of mgrB gene	OXA-48+NDM	>256	>256	0.38			
T5	ISKpn14 into mgrB promotor between -27 and -28	OXA-48+NDM	>256	>256	0.25			
T105	T157P substitution in PmrB	OXA-48+NDM	>256	>256	0.38			
T111	ISKpn26-like between +74 and +75 of mgrB gene	OXA-48+NDM	>256	>256	0.38			
T113	T157P substitution in PmrB	OXA-48+NDM	>256	>256	0.38			
Af56	Premature termination of MgrB	OXA-181+NDM	>256	>256	0.5			
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MIC, Minimum Inhibitory Concentrations ; CZA, Ceftazidime/avibactam; ATM, Aztreonam