

Supplementary Table S3. Antimicrobial susceptibility results for NDM-Kpn clinical isolates vs Resistance genes and STs

Strain	Date	ST ¹	Antibiotic MIC values (mg/L) ²										Resistance genes
			CZA	ETP	IPM	MEM	GEN	AMK	CIP	TZP	SXT	COL	
NDM-Kpn-1	22/05/19	11	>256, R	>1, R	>8, R	>8, R	2, S	≤4, S	>1, R	>16/4, R	≤1/19, S	0.125, S	<i>aac(6)-Ib, fosA_3, oqxA, oqxB, dfrA14</i>
NDM-Kpn-2	12/07/19	11	>256, R	>1, R	>8, R	>8, R	≤1, S	32, R	>1, R	>16/4, R	>4/76, R	0.5, S	<i>fosA_3, oqxA, oqxB, dfrA14</i>
NDM-Kpn-3	18/07/19	15	>256, R	>1, R	>8, R	>8, R	>16, R	32, R	≥4, R	>16/4, R	>4/76, R	0.5, S	<i>aac(6)-Ib, rmtC, fosA_3, oqxA, oqxB, sul1, sul2, dfrA14</i>
NDM-Kpn-4	29/07/19	147	>256, R	>1, R	>8, R	>8, R	>16, R	32, R	≥4, R	>16/4, R	>4/76, R	16, R	<i>aph(3')-VI, aac(6')-Ib, aadA1, armA, aac(6')-Ib-cr, fosA_3, fosA_5, msr(E), mph(A), mph(E), catB3, qnrS1, oqxA, oqxB, ARR-3, sul1, sul2, dfrA5</i>
NDM-Kpn-5	29/08/19	383	>256, R	>1, R	>8, R	>8, R	2, S	32, R	≥4, R	>16/4, R	>4/76, R	0.5, S	<i>aph(3')-VI, aac(6')-Ib, aadA1, aph(3')-Ia, armA, fosA_3, fosA_5, msr(E), mph(A), mph(E), catA1, qnrS1, oqxA, oqxB, sul1, sul2, tet(A), dfrA5</i>
NDM-Kpn-6	13/09/19	15	>256, R	>1, R	>8, R	>8, R	>16, R	32, R	≥4, R	>16/4, R	>4/76, R	2, S	<i>aac(6')-Ib, rmtC, fosA_3, oqxA, oqxB, sul1, sul2, dfrA14</i>
NDM-Kpn-7	27/09/19	307	>256, R	>1, R	>8, R	>8, R	>4, R	8, S	>1, R	>16/4, R	>4/76, R	0.5, S	<i>aph(6)-Id, aac(6')-II, aph(3')-VI, aac(3')-II, aac(6')-Ib-cr, aph(3')-Ib, fosA_3, catB3, qnrB1, qnrS1, oqxA, oqxB, sul1, sul2, tet(A), dfrA14</i>
NDM-Kpn-8	14/11/19	15	>256, R	>1, R	>8, R	>8, R	>16, R	32, R	≥4, R	>16/4, R	>4/76, R	16, R	<i>aac(6')-Ib, rmtC, fosA_3, oqxA, oqxB, sul1, sul2</i>
NDM-Kpn-9	18/11/19	4853	>256, R	>1, R	>8, R	>8, R	>16, R	32, R	≥4, R	>16/4, R	>4/76, R	0.5, S	<i>aph(6)-Id, aac(3')-IIa, aac(6')-Ib, aph(3')-VI, aph(3')-Ib, rmtC, mph(A), fosA_3, catA1, oqxA, oqxB, sul1, tet(A)</i>
NDM-Kpn-10	18/11/19	383	>256, R	>1, R	>8, R	>8, R	>16, R	32, R	≥4, R	>16/4, R	>4/76, R	0.5, S	<i>aph(6)-Id, aac(6')-Ib, aph(3')-VI, rmtC, mph(A), aac(6')-Ib-cr, aph(3')-Ib, fosA_3, catA1, qnrS1, oqxA, oqxB, sul1, sul2, tet(A)</i>
NDM-Kpn-11	30/12/19	17	>256, R	>1, R	>8, R	>8, R	>16, R	4, S	≥4, R	>16/4, R	>4/76, R	0.5, S	<i>aph(6)-Id, aac(3')-IIa, addA1, aac(6')-Ib-cr, fosA_3, catB3, qnrB1, oqxA, oqxB, sul1, sul2, tet(A), dfrA15</i>
NDM-Kpn-12	06/02/20	147	>256, R	>1, R	>8, R	>8, R	>16, R	32, R	≥4, R	>16/4, R	>4/76, R	0.5, S	<i>aac(6')-Ib, aph(3')-VI, aph(3')-Ia aac(6')-Ib-cr, aadA1, armA, msr(E), mph(A), mph(E), fosA_5, catB3, qnrS1, oqxA, oqxB, ARR-3, sul1, sul2, dfrA5</i>
NDM-Kpn-13	17/02/20	383	>256, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	≤1/19, S	0.5, S	<i>aph(6)-Id, aph(3')-Ib, rmtF, mph(A), fosA_3, fosA_5, catA1, qnrB1, oqxA, oqxB, AAR-2, tet(A)</i>
NDM-Kpn-14	22/04/20	147	>256, R	>1, R	>8, R	>8, R	≤1, S	≤4, S	>1, R	>16/4, R	>4/76, R	0.25, S	<i>aadA1, aac(6')-Ib-cr, fosA_3, fosA_5, catB3, qnrB1, oqxA, oqxB, sul1, dfrA15</i>
NDM-Kpn-15	23/04/20	383	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	≤1/19, S	4, R	<i>aph(6)-Id, aph(3')-Ib, rmtF, mph(A), fosA_3, fosA_5, catA1, qnrB1, oqxA, oqxB, AAR-2, tet(A)</i>
NDM -Kpn-16	05/05/20	147	>256, R	>1, R	>8, R	>8, R	≤1, S	≤4, S	>1, R	>16/4, R	>4/76, R	0.25, S	<i>aadA1, aac(6')-Ib-cr, fosA_3, fosA_5, catB3, qnrB1, oqxA, oqxB, sul1, dfrA1</i>
NDM -Kpn-17	30/06/20	29	>256, R	>1, R	>8, R	>8, R	>16, R	8, S	≥4, R	>16/4, R	>4/76, R	0.5, S	<i>aac(6')-II, aph(3')-VI, acc(3)-II, aadA16, aac(6')-Ib-cr, fosA_3, floR_2, qnrB6, qnrS1, oqxA, oqxB, ARR-3, sul1, sul2, tet(A), tet(D), dfrA27</i>
NDM -Kpn-18	06/10/20	383	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	≤1/19, S	8, R	<i>aac(6')-Ib, aph(3')-Ib, rmtF, strA, strB, mph(A), oqxA, oqxB, fosA_3, fosA_5, catA1, qnrB1, AAR-2, tet(A)</i>
NDM -Kpn-19	11/02/21	395	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	0.5, S	<i>aph(3')-VI, armA, aac(6')-Ib-cr, qacE, oqxA, oqxB, fosA_3, msr(E), mph(A), mph(E), catB3, catA1, qnrS1, sul1, sul2, tet(A), dfrA5, dfrA1</i>

NDM -Kpn-20	19/02/21	395	>256, R	>2, R	>8, R	>8, R	>8, R	>16, R	>1, R	>16/4, R	>4/76, R	0.5, S	<i>aph(3')-VI, armA, aac(6')-Ib-cr, qacE, oqxA, oqxB, fosA_3, msr(E), mph(A), mph(E), catB3, catA1, qnrS1, sul1, sul2, tet(A), dfrA5, dfrA1</i>
NDM -Kpn-21	03/03/21	147	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	0.25, S	<i>aph(3')-VI, acc(6')-Ib, ant(3')-Ia, aph(3')-Ia, armA, aac(6')-Ib-cr, qac(E), oqxA, oqxB, fosA_5, msr(E), mph(E), mph(A), catB3, qnrB1, sul1, sul2, ARR-3, dfrA5</i>
NDM -Kpn-22	08/03/21	11	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	2, R	<i>acc(6')-Ib, aac(6')-Ib-cr, aac(3)-IIa, oqxA, oqxB, fosA_3, catB3, dfrA14</i>
NDM -Kpn-23	23/03/21	147	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	4, R	<i>ant(3'')-Ia, armA, rmtB, qacE, oqxA, oqxB, fosA_5, erm(B), msr(E), mph(A), mph(E), ere(A), cmlA1, qnrB1, ARR-2, sul1, dfrA12</i>
NDM -Kpn-24	01/04/21	395	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	2, S	<i>aph(3')-VI, armA, aac(6')-Ib-cr, qac(E), oqxA, oqxB, fosA_3, msr(E), mph(A), mph(E), catB3, catA1, qnrS1, sul1, sul2, tet(A), dfrA5, dfrA1</i>
NDM -Kpn-25	01/04/21	147	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	4, R	<i>ant(3'')-Ia, aadA2, armA, rmtB, qacE, oqxA, oqxB, fosA_5, erm(B), msr(E), mph(A), mph(E), ere(A), cmlA1, qnrB1, ARR-2, sul1, dfrA12</i>
NDM -Kpn-26	08/04/21	147	>256, R	>1, R	>8, R	>8, R	≤ 1, S	≤ 4, S	>1, R	>16/4, R	≤ 1/19, S	16, R	<i>ant(3'')-Ia, aadA2, armA, rmtB, qacE, oqxA, oqxB, fosA_5, erm(B), msr(E), mph(A), mph(E), ere(A), cmlA1, qnrB1, ARR-2, sul1, dfrA12</i>
NDM -Kpn-27	30/04/21	147	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	16, R	<i>ant(3'')-Ia, aadA2, armA, rmtB, qacE, oqxA, oqxB, fosA_5, erm(B), msr(E), mph(A), mph(E), ere(A), cmlA1, qnrB1, ARR-2, sul1, dfrA12</i>
NMD-Kpn-28	15/06/21	11	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	2, R	<i>aac(6')-Ib, aac(6')-Ib-cr, aadA2, aac(3')-IIa, qac(E), oqxA, oqxB, fosA_3, mph(A), catB3, sul1, dfrA12, dfrA14</i>
NDM -Kpn-29	17/06/21	147	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	16, R	<i>ant(3'')-Ia, aadA2, armA, rmtB, qacE, oqxA, oqxB, fosA_5, erm(B), msr(E), mph(A), mph(E), ere(A), cmlA1, qnrB1, ARR-2, sul1, dfrA12</i>
NDM -Kpn-30	17/09/21	395	>256, R	>2, R	>8, R	>8, R	>8, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S	<i>aph(3')-VI, armA, aac(6')-Ib-cr, qac(E), oqxA, oqxB, fosA_3, msr(E), mph(A), mph(E), catB3, catA1, qnrS1, sul1, sul2, tet(A), dfrA5, dfrA1</i>
NDM -Kpn-31	23/11/21	147	>256, R	>2, R	>8, R	>8, R	≤ 1, S	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S	<i>aph(6)-Id, aph(3')-VI, acc(2')-Ib, acc(6')-Ib, aadA1, aph(3')-Ia, armA, aac(6')-Ib-cr, qac(E), oqxA, oqxB, fosA_3, fosA_5, msr(E), mph(A), mph(E), erm(37), catB3, qnrB1, sul1, sul2, ARR-3, dfrA5</i>
NDM-Kpn-32	10/03/22	147	>256, R	>2, R	>8, R	>8, R	≤ 1, S	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S	<i>aph(3')-VI, aph(3')-Ia, armA, oqxA, oqxB, fosA_3, fosA_5, msr(E), mph(A), mph(E), qnrS1, sul2,</i>
NDM-Kpn-33	31/03/22	512	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-Ia, acc(6')-Ib, aadA2, rmtC, qac(E), oqxA, oqxB, fosA_3, msr(E), mph(A), mph(E), catA1, qnrB1, sul1, dfrA12</i>
NDM-Kpn-34	28/03/22	512	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-Ia, acc(6')-Ib3, aadA2, rmtC, qac(E), oqxA, oqxB, fosA_3, msr(E), mph(A), catA1, sul1, dfrA12</i>
NDM-Kpn-35	15/04/22	395	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, armA, aac(6')-Ib-cr, qac(E), oqxA, oqxB, fosA_3, msr(E), mph(A), mph(E), catB3, catA1, qnrS1, sul1, sul2, dfrA5</i>
NDM-Kpn-36	18/05/22	11	>256, R	>1, R	>8, R	>8, R	>16, R	>16, R	>=4, R	>64/4, R	≤ 1/19, S	1, S	<i>aac(6')-Ib, aac(6')-Ib-cr, aac(3')-IIa, qac(E), oqxA, oqxB, fosA_3, catB3, dfrA14</i>
NDM-Kpn-37	24/05/22	11	>256, R	>1, R	>8, R	>8, R	2, S	16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aac(6')-Ib, aac(6')-Ib-cr, aac(3')-Ia, qac(E), oqxA, oqxB, fosA_3, catB3, dfrA14</i>
NDM-Kpn-38	13/06/22	512	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	0.5, S	<i>aph(3')-Ia, acc(6')-Ib3, aadA2, rmtC, qac(E), oqxA, oqxB, fosA_3, mph(A), catA1, sul1, dfrA12</i>
NDM-Kpn-39	30/06/22	11	>256, R	>2, R	8, R	>8, R	>8, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S	<i>aac(3')-IIa, aac(6')-Ib-cr, aadA2, aph(3')-Ia, rmtF, qac(E), oqxA, oqxB, fosA_3, mph(A), catB3, qnrB1, ARR-2, sul1, dfrA12</i>

NDM-Kpn-40	25/07/22	23	>256, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, qac(E), oqxA, oqxB, fosA_3, mph(A), catA1, sul1, sul2, qnrS1, dfrA5, tet(A)</i>
NDM-Kpn-41	26/07/22	147	>256, R	>1, R	>8, R	>8, R	>8, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S	<i>aadA1, aph(3')-VI, armA, aac(6')-Ib-cr, qac(E), oqxA, oqxB, fosA_5, msr(E), mph(A), mph(E), catB3, qnrS1, AAR-3, sul1, sul2, dfrA5</i>
NDM-Kpn-42	05/08/22	11	>256, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aac(3')-IIa, aac(6')-Ib-cr, aac(6')-Ib, oqxA, oqxB, fosA_3, catB3, dfrA14</i>
NDM-Kpn-43	09/08/22	11	>256, R	>1, R	>8, R	>8, R	>4, R	8, S	>1, R	>16/4, R	≤ 1/19, S	0.5, S	<i>ant(2'')-Ia, aac(6')-Ib, aac(6')-Ib-cr, aph(3')-Ia, oqxA, oqxB, fosA_3, catB3, qnrB19, dfrA14</i>
NDM-Kpn-44	15/08/22	512	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	16, R	<i>aph(3')-Ia, acc(6')-Ib, aadA2, rmtC, qac(E), oqxA, oqxB, fosA_3, mph(A), catA1, sul1, dfrA12</i>
NDM-Kpn-45	22/08/22	147	>256, R	>2, R	>8, R	>8, R	>8, R	8, S	>1, R	>64/4, R	≤ 1/19, S	0.5, S	<i>aph(3')-VI, ant(3'')-Ia, aac(6')-Ib-cr, acc(6')-Ib, acc(3)-IIa, qac(E), oqxA, oqxB, fosA_5, ere(A), catB3, catA1, cmlA1, qnrS1, AAR-2, sul1, tet(A)</i>
NDM-Kpn-46	22/08/22	147	>256, R	>1, R	>8, R	>8, R	32, R	8, S	>8, R	>64/4, R	≤ 1/19, S	1, S	<i>aph(3')-VI, ant(3'')-Ia, aac(6')-Ib-cr, acc(6')-Ib, acc(3)-IIa, qac(E), oqxA, oqxB, fosA_5, ere(A), catB3, catA1, cmlA1, qnrS1, AAR-2, sul1, tet(A)</i>
NDM-Kpn-47	22/08/22	11	>256, R	>2, R	>8, R	>8, R	>8, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S	<i>aadA2, aph(3')-Ia, rmtB, aac(6')-Ib-cr, qacE, oqxA, oqxB, fosA_5, mph(A), catB3, catA1, qnrB4, ARR-3, sul1, dfrA12</i>
NDM-Kpn-48	25/08/22	147	>256, R	>1, R	>8, R	>8, R	≥16, R	16, R	≥4, R	>64/4, R	≤ 1/19, S	0.5, S	<i>aph(3')-VI, ant(3'')-Ia, aac(6')-Ib-cr, acc(6')-Ib, acc(3)-IIa, qac(E), oqxA, oqxB, fosA_5, ere(A), catB3, catA1, cmlA1, qnrS1, AAR-2, sul1, tet(A)</i>
NDM-Kpn-49	23/08/22	147	>256, R	>1, R	>8, R	>8, R	2, S	16, R	>1, R	>16/4, R	≤ 1/19, S	0.25, S	<i>aph(3')-VI, aadA1, aac(6')-Ib-cr, acc(3)-IIa, qac(E), oqxA, oqxB, fosA_5, qnrS1, AAR-3, sul1</i>
NDM-Kpn-50	06/09/22	11	>256, R	>2, R	>8, R	>8, R	>8, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S	<i>aadA2, aph(3')-Ia, rmtB, aac(6')-Ib-cr, qacE, oqxA, oqxB, fosA_5, mph(A), catB3, catA1, qnrB4, ARR-3, sul1, dfrA12</i>
NDM-Kpn-51	06/09/22	147	>256, R	>2, R	>8, R	>8, R	>8, R	16, R	>1, R	>64/4, R	≤ 1/19, S	0.5, S	<i>aph(3')-VI, ant(3'')-Ia, aac(6')-Ib-cr, acc(6')-Ib, acc(3)-IIa, qac(E), oqxA, oqxB, fosA_5, ere(A), catB3, catA1, cmlA1, qnrS1, AAR-2, sul1, tet(A)</i>
NDM-Kpn-52	06/09/22	11	>256, R	>2, R	>8, R	>8, R	>8, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S	<i>aadA2, aph(3')-I, rmtB, aac(6')-Ib-cr, qacE, oqxA, oqxB, fosA_5, mph(A), catB3, catA1, qnrB4, ARR-3, sul1, dfrA12</i>
NDM-Kpn-53	09/09/22	395	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, armA, aac(6')-Ib-cr, qac(E), oqxA, oqxB, fosA_5, msr(E), mph(A), mph(E), catB3, catA1, qnrS1, sul1, sul2, dfrA5</i>
NDM-Kpn-54	20/09/22	15	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	≤ 1/19, S	1, S	<i>aac(6')-Ib3, rmtC, qac(E), oqxA, oqxB, fosA_5, sul1</i>
NDM-Kpn-55	25/11/22	147	>256, R	>1, R	>8, R	>8, R	>8, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S	<i>aadA2, aac(6')-Ib-cr, rmtB, qacE, oqxA, oqxB, fosA_5, mph(A), erm(B), catB3, qnrS1, ARR-3, sul1, dfrA12</i>
NDM-Kpn-56	19/01/23	147	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, aadA2, armA, qac(E), oqxA, oqxB, fosA_5, msr(E), mph(A), mph(E), sul1, tet(A), dfrA12</i>
NDM-Kpn-57	02/02/23	395	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, aac(6')-Ib-cr, armA1, qac(E), oqxA1, oqxB1, fosA_3, msr(E), mph(A), mph(E), catB3, catA1, qnrS1, sul1, sul2, dfrA5</i>
NDM-Kpn-58	14/02/23	15	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	≤ 1/19, S	1, S	<i>aac(6')-Ib-3, rmtC, qac(E), oqxA, oqxB, fosA_3, sul1</i>
NDM-Kpn-59	21/02/23	147	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	16, R	<i>aph(3')-VI, armA1, qac(E), oqxA1, oqxB1, fosA_5, msr(E), mph(A), mph(E), catB3, qnrS1, ARR-3, sul1, sul2, dfrA5</i>
NDM-Kpn-60	23/02/23	147	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	1, S	<i>aph(3')-VI, aac(6')-Ib, ant(3'')-Ia, armA1, aac(6')-Ib-cr, qac(E), oqxA1, oqxB1, fosA_5, msr(E), mph(A), mph(E), catB3, qnrS1, ARR-3, sul1, sul2, dfrA5</i>
NDM-Kpn-61	01/03/23	147	>256, R	>1, R	>8, R	>8, R	≥16, R	32, R	≥4, R	>64/4, R	>4/76, R	8, R	<i>aph(3')-VI, aac(6')-Ib, ant(3'')-Ia, armA1, aac(6')-Ib-cr, qac(E), oqxA1, oqxB1, fosA_3, fosA_5, msr(E), mph(A), mph(E), catB3, qnrS1, ARR-3, sul1, sul2, dfrA5</i>

NDM-Kpn-62	01/03/23	11	>256, R	>1, R	>8, R	>8, R	>=32, R	16, R	>=8, R	>64/4, R	>4/76, R	1, S	<i>aac(6')-Ib-cr, aac(6')-Ib-1, acc(3)-IIa, oqxAl, oqxBl, fosA_3, catB3, dfrA14</i>
NDM-Kpn-63	19/05/23	11	>256, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>64/4, R	≤ 1/19, S	0.5, S	<i>aac(6')-Ib-1, aac(6')-Ib-cr, acc(3)-IIa, oqxAl, oqxBl, fosA_3, catB3, dfrA14</i>
NDM-Kpn-64	19/05/23	1805	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	1, R	>64/4, R	>4/76, R	0.5, S	<i>aph(3')-VI, armA1, qacE, oqxAl, oqxBl, fosA_3, msr(E), mph(A), mph(E), qnrS1, sul1, sul2, dfrA5</i>
NDM-Kpn-65	23/05/23	147	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S	<i>aph(3')-VI, aadA2, armA, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), sul1, tet(A), dfrA12</i>
NDM-Kpn-66	29/05/23	147	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	4, R	<i>aph(3')-VI, aac(6')-Ib-1, ant(3'')-Ia, armA1, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), catB3, qnrS1, ARR-3, sul1, sul2, dfrA5</i>
NDM-Kpn-67	29/05/23	147	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, aac(6')-Ib-1, aadA1, armA1, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), catB3, qnrS1, ARR-3, sul1, sul2, dfrA5</i>
NDM-Kpn-68	29/05/23	147	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	0.25, S	<i>aph(3')-VI, aac(6')-Ib-1, ant(3'')-Ia, armA1, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), catB3, qnrS1, ARR-3, sul1, sul2, dfrA5</i>
NDM-Kpn-69	29/05/23	147	>256, R	>1, R	>8, R	>8, R	2, S	8, S	>1, R	>16/4, R	>4/76, R	4, R	<i>aph(3')-VI, aac(6')-Ib-1, ant(3'')-Ia, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), catB3, qnrS1, ARR-3, sul1, sul2, dfrA5</i>
NDM-Kpn-70	29/05/23	11	>256, R	>1, R	>8, R	>8, R	>4, R	>8, R	>1, R	>16/4, R	≤ 1/19, S	1, S	<i>aac(6')-Ib-1, ant(3'')-Ia, aac(6')-Ib-cr, aac(3)-IIa, oqxAl, oqxBl, fosA_5, catB3, dfrA14</i>
NDM-Kpn-71	30/05/23	1805	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, armA1, qacE, oqxAl, oqxBl, fosA_3, msr(E), mph(A), mph(E), qnrS1, sul1, sul2, tet(D), dfrA5</i>
NDM-Kpn-72	06/06/23	147	>256, R	>2, R	>8, R	>8, R	>8, R	>16, R	>1, R	>128, R	>4/76, R	0.5, S	<i>aph(6')-Id, aadA2, aac(6')-Ib-cr, rmtB, aph(3')-Ib, qacE, oqxAl, oqxBl, fosA_5, mph(A), erm(B), catB3, qnrB1, sul1, sul2, dfrA12</i>
NDM-Kpn-73	09/06/23	11	>256, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aac(6')-Ib-1, aac(6')-Ib-cr, aac(3)-IIa, oqxAl, oqxBl, fosA_5, catB3, dfrA14</i>
NDM-Kpn-74	19/06/23	147	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	1, S	<i>aph(3')-VI, aadA2, armA1, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), sul1, tet(A), dfrA12</i>
NDM-Kpn-75	04/07/23	147	>256, R	>1, R	>8, R	>8, R	2, S	16, R	1, R	>64/4, R	≤ 1/19, S	1, S	<i>aph(3')-VI, aac(6')-Ib-1, aadA1, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_5, catB3, qnrS1, ARR-3, sul1</i>
NDM-Kpn-76	04/07/23	1805	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, armA1, qacE, oqxAl, oqxBl, fosA_3, msr(E), mph(A), mph(E), qnrS1, sul1, sul2, tet(D), dfrA5</i>
NDM-Kpn-77	04/07/23	147	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, aadA2, armA1, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), sul1, tet(A), dfrA12</i>
NDM-Kpn-78	11/07/23	234	>256, R	>1, R	>8, R	>8, R	≤ 1, S	≤ 4, S	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(6)-Id, aadA2, aph(3')-Ib, qacE, oqxAl, oqxBl, fosA_3, mph(A), catA2, qnrS1, sul1, sul2, dfrA12</i>
NDM-Kpn-79	26/07/23	1805	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	64/4, R	>4/76, R	1, S	<i>aph(3')-VI, armA1, qacE, oqxAl, oqxBl, fosA_3, msr(E), mph(A), mph(E), qnrS1, sul1, sul2, tet(D), dfrA5</i>
NDM-Kpn-80	02/08/23	1117	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>ant(2'')-Ia, aadA1, armA, qacE, oqxAl, oqxBl, fosA3, fosA6, msr(E), mph(E), cmlA5, ARR-2, sul1, sul3, dfrA12</i>
NDM-Kpn-81	02/08/23	147	>8/4, R	>1, R	>8, R	>8, R	>=16, R	>16, R	>=4, R	>64/4, R	>4/76, R	1, S	<i>aph(3')-VI, aac(6')-Ib-1, ant(3'')-Ia, aac(6')-Ib-cr, aadA2, armA, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), qnrS1, catB3, sul1, sul2, dfrA5</i>
NDM-Kpn-82	12/08/23	147	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, aadA2, armA, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), sul1, tet(A), dfrA12</i>
NDM-Kpn-83	16/08/23	147	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	1, S	<i>aph(3')-VI, aadA2, armA, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), sul1, tet(A), dfrA12</i>

NDM-Kpn-84	22/08/23	11	>8/4, R	>1, R	>8, R	>8, R	32, R	8, S	>8, R	>64/4, R	≤ 1/19, S	1, S	<i>aac(6')-Ib, aac(6')-Ib-cr, aac(3')-IIa, oqxAl, oqxBl, fosA_3, catB3, dfrA14</i>
NDM-Kpn-85	22/08/23	147	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, aadA2, armA, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), sul1, tet(A), dfrA12</i>
NDM-Kpn-86	04/09/23	147	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	4, R	<i>aph(3')-VI, aac(6')-Ib-1, ant(3'')-Ia, aac(6')-Ib-cr, armA, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), qnrS1, catB3, ARR-3, sul1, sul2, dfrA5</i>
NDM-Kpn-87	08/09/23	147	>8/4, R	>1, R	>8, R	>8, R	1, S	8, S	>8, R	>64/4, R	>4/76, R	1, S	<i>aph(3')-VI, aac(6')-Ib-1, ant(3'')-Ia, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_5, mph(A), qnrS1, catB2, ARR-3, sul1, dfrA12</i>
NDM-Kpn-88	08/09/23	147	>8/4, R	>1, R	>8, R	>8, R	1, S	>16, R	>8, R	>64/4, R	>4/76, R	1, S	<i>aph(3')-VI, aph(3')-XV, aac(6')-Ib-1, ant(3'')-Ia, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_5, mph(A), qnrS1, catB2, ARR-3, sul1, dfrA14</i>
NDM-Kpn-89	12/09/23	11	256/4 R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	≤ 1/19, S	1, S	<i>ant(2'')-Ia, aac(6')-Ib, aph(3')-Ia, oqxAl, oqxBl, fosA_3, qnrB19, dfrA14</i>
NDM-Kpn-90	12/09/23	147	256/4 R	>1, R	>8, R	>8, R	2, S	16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, aph(3')-XV, aac(6')-Ib-1, ant(3'')-Ia, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_5, mph(A), qnrS1, catB2, ARR-3, sul1, dfrA14</i>
NDM-Kpn-91	19/09/23	147	>16/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, aadA2, armA, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), sul1, tet(A), dfrA12</i>
NDM-Kpn-92	20/09/23	1805	≥16, R	>1, R	>8, R	>8, R	≥16, R	>16, R	>1, R	>64/4, R	>4/76, R	1, S	<i>aph(3')-VI, armA, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), sul1, sul2, tet(D), dfrA5</i>
NDM-Kpn-93	27/09/23	147	>8/4, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	≤1/19, S	0.5, S	<i>aph(3')-XV, aac(6')-Ib-1, ant(3'')-Ia, qacE, oqxAl, oqxBl, fosA_5, mph(A), qnrS1, catB2, sul1, dfrA14</i>
NDM-Kpn-94	28/09/23	147	>128, R	>8, R	>8, R	>8, R	≥16, R	32, R	≥4, R	>64/4, R	≥320, R	0.5, S	<i>aph(3')-VI, armA, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), qnrS1, catB3, ARR-3, sul1, sul2, dfrA5</i>
NDM-Kpn-95	03/10/23	1805	>128, R	>8, R	>8, R	>8, R	32, R	>16, R	1, R	>64/4, R	>4/76, R	1, S	<i>aph(3')-VI, armA, qacE, oqxAl, oqxBl, fosA_3, msr(E), mph(A), mph(E), sul1, sul2, tet(D), dfrA5</i>
NDM-Kpn-96	06/10/23	147	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, aadA2, armA, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), sul1, tet(A), dfrA12</i>
NDM-Kpn-97	18/10/23	3299	>8/4, R	>2, R	>8, R	>8, R	>4, R	>32, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aac(6')-Ib3, ant(3'')-Ia, aph(3')-Ia, aph(3')-Ib, rmtC, qac(E), oqxAl, oqxBl, fosA_5, erm(B), mph(A), catA2, qnrS1, sul1, sul2, tet(A), dfrA12</i>
NDM-Kpn-98	24/10/23	11	>8/4, R	>1, R	>8, R	>8, R	≥16, R	>16, R	≥4, R	>64/4, R	≤ 1/19, S	0.5, S	<i>ant(2'')-Ia, aac(6')-Ib, aph(3')-Ia, aac(6')-Ib-cr, oqxAl, oqxBl, fosA_5, catB3, qnrB19, dfrA14</i>
NDM-Kpn-99	10/11/23	11	256/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	≤ 1/19, S	1, S	<i>aac(6')-Ib, aac(6')-Ib-cr, oqxAl, oqxBl, fosA_3, catB3, dfrA14</i>
NDM-Kpn-100	15/11/23	4081	>8/4, R	>1, R	>8, R	>8, R	1, S	≤1, S	>1, R	>64/4, R	>4/76, R	1, S	<i>aadA2, qacE, oqxAl, oqxBl, fosA_6, sul1, dfrA12</i>
NDM-Kpn-101	15/11/23	395	>8/4, R	>1, R	>8, R	>8, R	>32, R	>32, R	>8, R	>64/4, R	>4/76, R	1, S	<i>aac(6')-Ib-cr, rmtC, qacE, oqxAl, oqxBl, fosA_3, catB3, qnrS1, tet(A), dfrA1</i>
NDM-Kpn-102	15/11/23	147	>8/4, R	>2, R	>8, R	>8, R	≤1, S	8, S	>1, R	>64/4, R	>4/76, R	0.5, S	<i>aph(3')-VI, aac(6')-Ib-1, ant(3'')-Ia, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_5, mph(A), qnrS1, catB2, ARR-3, sul1, dfrA14</i>
NDM-Kpn-103	24/11/23	147	256/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, aadA2, armA, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), sul1, tet(A), dfrA12</i>
NDM-Kpn-104	24/11/23	11	>8/4, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	≤ 1/19, S	1, S	<i>aac(6')-Ib, aac(6')-Ib-cr, oqxAl, oqxBl, fosA_3, catB3, dfrA14</i>
NDM-Kpn-105	24/11/23	1805	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, armA, msr(E), mph(A), mph(E), qnrS1, sul1, sul2, tet(D), dfrA5</i>
NDM-Kpn-106	24/11/23	11	>8/4, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	≤ 1/19, S	1, S	<i>aac(6')-Ib, aac(6')-Ib-cr, aac(3')-IIa, oqxAl, oqxBl, fosA_3, catB3, dfrA14</i>

NDM-Kpn-107	24/11/23	383	>8/4, R	>1, R	>8, R	>8, R	2, S	8, S	>1, R	>16/4 R	≤ 1/19, S	1, S	<i>aac(6')-Ib, aph(3')-Ia, aph(3')-Ib, aph(3')-VI, aph(6')-Id, aadA1, oqxAl, oqxBl, fosA_3, catB3, mph(A), catA1, qnrS1, sul2, tet(A)</i>
NDM-Kpn-108	24/11/23	11	>8/4, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4 R	≤ 1/19, S	1, S	<i>ant(2'')-Ia, aac(6')-Ib, aph(3')-Ia, aac(6')-Ib-cr, aac(3')-IIa, oqxAl, oqxBl, fosA_3, catB3, qnrB19, dfrA14</i>
NDM-Kpn-109	24/11/23	11	>8/4, R	>1, R	>8, R	>8, R	2, S	16, R	>1, R	>16/4, R	≤ 1/19, S	1, S	<i>aac(6')-Ib, aac(6')-Ib-cr, oqxAl, oqxBl, fosA_3, catB3, dfrA14</i>
NDM-Kpn-110	24/11/23	11	>8/4, R	>1, R	>8, R	>8, R	2, S	16, R	>1, R	>16/4, R	≤ 1/19, S	1, S	<i>aac(6')-Ib, aac(6')-Ib-cr, oqxAl, oqxBl, fosA_3, catB3, dfrA14</i>
NDM-Kpn-111	24/11/23	147	>8/4, R	>1, R	>8, R	>8, R	2, S	16, R	>1, R	>16/4, R	≤ 1/19, S	1, S	<i>aac(6')-Ib, aph(3')-VI, aadA1, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_5, catB3, qnrS1, ARR-3, sul1</i>
NDM-Kpn-112	24/11/23	147	>8/4, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(6')-Id, aac(6')-Ib, aac(3')-II, aph(3')-VI, aph(3'')-Ib, aadA1, qacE, oqxAl, oqxBl, fosA_5, mph(A), floR, catA1, qnrS1, sul1, sul2, tet(A), dfrA5</i>
NDM-Kpn-113	24/11/23	147	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, aadA1, armA, qacE, oqxAl, fosA_5, msrE, mph(A), mph(E), sul1, tet(A), dfrA12</i>
NDM-Kpn-114	24/11/23	11	>8/4, R	>1, R	>8, R	>8, R	2, S	>8, R	>1, R	>16/4, R	≤ 1/19, S	1, S	<i>aac(6')-Ib, aac(6')-Ib-cr, oqxAl, oqxBl, fosA_3, catB3, dfrA14</i>
NDM-Kpn-115	24/11/23	11	>8/4, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	≤ 1/19, S	1, S	<i>ant(2'')-Ia, aac(6')-Ib, aph(3')-Ia, aac(6')-Ib-cr, aac(3')-IIa, oqxAl, oqxBl, fosA_3, catB3, qnrB19, dfrA14</i>
NDM-Kpn-116	24/11/23	147	>8/4, R	>1, R	>8, R	>8, R	2, S	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S	<i>aph(3')-VI, aac(6')-Ib-1, ant(3'')-Ia, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_5, mph(A), qnrS1, catB2, ARR-3, sul1, dfrA14</i>
NDM-Kpn-117	20/11/23	14	>8/4, R	>1, R	>8, R	>8, R	≤ 1, S	8, S	>1, R	>64/4, R	>4/76, R	0.25, S	<i>aac(6')-II, aph(3')-VI, qacE, oqxAl, oqxBl, fosA_3, qnrS1, sul1</i>
NDM-Kpn-118	29/11/23	11	>8/4, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aac(6')-Ib, aac(6')-Ib-cr, oqxAl, oqxBl, fosA_3, catB3, dfrA14</i>
NDM-Kpn-119	01/12/23	147	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	0.25, S	<i>aph(3')-VI, aph(3')-Ia, armA, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_5, mph(A), mph(E), qnrS1, catB3, ARR-3, sul1, sul2, dfrA14</i>
NDM-Kpn-120	12/12/23	147	256/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	4, R	<i>aph(3')-VI, aac(6')-Ib, ant(3'')-Ia, armA, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_5, msrE, mph(A), mph(E), catB3, qnrS1, ARR-3, sul1, sul2, dfrA5</i>
NDM-Kpn-121	07/12/23	147	256/4, R	>1, R	>8, R	>8, R	>4, R	>8, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, aadA2, armA, qacE, oqxAl, oqxBl, fosA_5, msr(E), mph(A), mph(E), sul1, tet(A), dfrA12</i>
NDM-Kpn-122	14/12/23	395	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(6')-Id, aph(3')-VI, aph(3')-VIa, armA, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_3, msr(E), mph(A), mph(E), qnrS1, catB3, catA1, sul1, sul2, tet(A), dfrA5, dfrA1</i>
NDM-Kpn-123	15/12/23	147	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>8, R	>64/4, R	>4/76, R	1, S	<i>aph(3')-VI, aac(6')-Ib-1, ant(3'')-Ia, aac(6')-Ib-cr, qacE, oqxAl, oqxBl, fosA_5, mph(A), qnrS1, catB2, ARR-3, sul1, dfrA14</i>
NDM-Kpn-124	20/12/23	6118	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aac(6')-Ib, aph(3')-Ia, aph(3')-Ib, aph(3')-VI, aph(6')-Id, aadA1, armA, qacE, oqxAl, oqxBl, fosA_3, catB3, msr(E), mph(A), mph(E), catA1, qnrS1, sul1, sul2, tet(A), dfrA5</i>
NDM-Kpn-125	20/12/23	11	>8/4, R	>1, R	>8, R	>8, R	2, S	16, R	>1, R	>16/4, R	≤ 1/19, S	1, S	<i>aac(6')-Ib, aac(6')-Ib-cr, oqxAl, oqxBl, fosA_3, catB3, dfrA14</i>
NDM-Kpn-126	20/12/23	147	>8/4, R	>1, R	>8, R	>8, R	2, S	>16, R	>1, R	>16/4, R	>4/76, R	1, S	<i>aph(3')-VI, aadA2, armA, qacE, oqxAl, fosA_5, msr(E), mph(A), mph(E), sul1, tet(A), dfrA12</i>

¹ST: Sequence Type; ²CZA, ceftazidime/avibactam; ERT, ertapenem; IPM, imipenem; MEM, meropenem; GEN, gentamicin; AMK, amikacin; CIP, ciprofloxacin; TZP, piperacillin-tazobactam; SXT, trimethoprim-sulfametossazole; COL, colistin; S, susceptible; R, resistant.