

Supplementary Table S1. Antimicrobial susceptibility results for NDM-Kpn clinical isolates

Strain	Date	Sample	Antibiotic MIC values (mg/L) ¹									
			CZA	ETP	IPM	MEM	GEN	AMK	CIP	TZP	SXT	COL
NDM-Kpn-1	22/05/19	Rectal swab	>256, R	>1, R	>8, R	>8, R	2, S	≤4, S	>1, R	>16/4, R	≤1/19, S	0.125, S
NDM-Kpn-2	12/07/19	Rectal swab	>256, R	>1, R	>8, R	>8, R	≤1, S	32, R	>1, R	>16/4, R	>4/76, R	0.5, S
NDM-Kpn-3	18/07/19	Wound swab	>256, R	>1, R	>8, R	>8, R	>16, R	32, R	≥4, R	>16/4, R	>4/76, R	0.5, S
NDM-Kpn-4	29/07/19	Wound swab	>256, R	>1, R	>8, R	>8, R	>16, R	32, R	≥4, R	>16/4, R	>4/76, R	16, R
NDM-Kpn-5	29/08/19	Wound swab	>256, R	>1, R	>8, R	>8, R	2, S	32, R	≥4, R	>16/4, R	>4/76, R	0.5, S
NDM-Kpn-6	13/09/19	Blood	>256, R	>1, R	>8, R	>8, R	>16, R	32, R	≥4, R	>16/4, R	>4/76, R	2, S
NDM-Kpn-7	27/09/19	Wound swab	>256, R	>1, R	>8, R	>8, R	>4, R	8, S	>1, R	>16/4, R	>4/76, R	0.5, S
NDM-Kpn-8	14/11/19	Drainage	>256, R	>1, R	>8, R	>8, R	>16, R	32, R	≥4, R	>16/4, R	>4/76, R	16, R
NDM-Kpn-9	18/11/19	Rectal swab	>256, R	>1, R	>8, R	>8, R	>16, R	32, R	≥4, R	>16/4, R	>4/76, R	0.5, S
NDM-Kpn-10	18/11/19	Rectal swab	>256, R	>1, R	>8, R	>8, R	>16, R	32, R	≥4, R	>16/4, R	>4/76, R	0.5, S
NDM-Kpn-11	30/12/19	Wound swab	>256, R	>1, R	>8, R	>8, R	>16, R	4, S	≥4, R	>16/4, R	>4/76, R	0.5, S
NDM-Kpn-12	06/02/20	Blood	>256, R	>1, R	>8, R	>8, R	>16, R	32, R	≥4, R	>16/4, R	>4/76, R	0.5, S
NDM-Kpn-13	17/02/20	Femoral cath.	>256, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	≤1/19, S	0.5, S
NDM-Kpn-14	22/04/20	Rectal swab	>256, R	>1, R	>8, R	>8, R	≤1, S	≤4, S	>1, R	>16/4, R	>4/76, R	0.25, S
NDM-Kpn-15	23/04/20	Blood	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	≤1/19, S	4, R
NDM-Kpn-16	05/05/20	BAL	>256, R	>1, R	>8, R	>8, R	≤1, S	≤4, S	>1, R	>16/4, R	>4/76, R	0.25, S
NDM-Kpn-17	30/06/20	Rectal swab	>256, R	>1, R	>8, R	>8, R	>16, R	8, S	≥4, R	>16/4, R	>4/76, R	0.5, S
NDM-Kpn-18	06/10/20	Urine	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	≤1/19, S	8, R
NDM-Kpn-19	11/02/21	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	0.5, S
NDM-Kpn-20	19/02/21	Rectal swab	>256, R	>2, R	>8, R	>8, R	>8, R	>16, R	>1, R	>16/4, R	>4/76, R	0.5, S
NDM-Kpn-21	03/03/21	Urine	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	0.25, S
NDM-Kpn-22	08/03/21	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	2, R
NDM-Kpn-23	23/03/21	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	4, R
NDM-Kpn-24	01/04/21	Drainage	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	2, S
NDM-Kpn-25	01/04/21	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	4, R
NDM-Kpn-26	08/04/21	Rectal swab	>256, R	>1, R	>8, R	>8, R	≤1, S	≥4, S	>1, R	>16/4, R	≤1/19, S	16, R
NDM-Kpn-27	30/04/21	Urine	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	16, R
NMD-Kpn-28	15/06/21	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	2, R
NDM-Kpn-29	17/06/21	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	16, R
NDM-Kpn-30	17/09/21	BAL	>256, R	>2, R	>8, R	>8, R	>8, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S
NDM-Kpn-31	23/11/21	Rectal swab	>256, R	>2, R	>8, R	>8, R	≤1, S	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S
NDM-Kpn-32	10/03/22	Rectal swab	>256, R	>2, R	>8, R	>8, R	≤1, S	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S
NDM-Kpn-33	31/03/22	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-34	28/03/22	BAL	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-35	15/04/22	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-36	18/05/22	Blood	>256, R	>1, R	>8, R	>8, R	>16, R	>16, R	≥4, R	>64/4, R	≤1/19, S	1, S
NDM-Kpn-37	24/05/22	Urine	>256, R	>1, R	>8, R	>8, R	2, S	16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-38	13/06/22	BAL	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	0.5, S
NDM-Kpn-39	30/06/22	Rectal swab	>256, R	>2, R	8, R	>8, R	>8, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S
NDM-Kpn-40	25/07/22	Blood	>256, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-41	26/07/22	Blood	>256, R	>1, R	>8, R	>8, R	>8, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S
NDM-Kpn-42	05/08/22	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-43	09/08/22	Blood	>256, R	>1, R	>8, R	>8, R	>4, R	8, S	>1, R	>16/4, R	≤1/19, S	0.5, S
NDM-Kpn-44	15/08/22	BAL	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	16, R
NDM-Kpn-45	22/08/22	Rectal swab	>256, R	>2, R	>8, R	>8, R	>8, R	8, S	>1, R	>64/4, R	≤1/19, S	0.5, S
NDM-Kpn-46	22/08/22	Rectal swab	>256, R	>1, R	>8, R	>8, R	32, R	8, S	>8, R	>64/4, R	≤1/19, S	1, S
NDM-Kpn-47	22/08/22	Rectal swab	>256, R	>2, R	>8, R	>8, R	>8, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S
NDM-Kpn-48	25/08/22	Urine	>256, R	>1, R	>8, R	>8, R	≥16, R	16, R	≥4, R	>64/4, R	≤1/19, S	0.5, S
NDM-Kpn-49	23/08/22	Urine	>256, R	>1, R	>8, R	>8, R	2, S	16, R	>1, R	>16/4, R	≤1/19, S	0.25, S

NDM-Kpn-50	06/09/22	Rectal swab	>256, R	>2, R	>8, R	>8, R	>8, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S
NDM-Kpn-51	06/09/22	Rectal swab	>256, R	>2, R	>8, R	>8, R	>8, R	16, R	>1, R	>64/4, R	≤ 1/19, S	0.5, S
NDM-Kpn-52	06/09/22	Rectal swab	>256, R	>2, R	>8, R	>8, R	>8, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S
NDM-Kpn-53	09/09/22	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-54	20/09/22	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	≤ 1/19, S	1, S
NDM-Kpn-55	25/11/22	Wound swab	>256, R	>1, R	>8, R	>8, R	>8, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S
NDM-Kpn-56	19/01/23	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-57	02/02/23	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-58	14/02/23	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	≤ 1/19, S	1, S
NDM-Kpn-59	21/02/23	Blood	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	16, R
NDM-Kpn-60	23/02/23	Urine	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	1, S
NDM-Kpn-61	01/03/23	Blood	>256, R	>1, R	>8, R	>8, R	≥ 16, R	32, R	≥ 4, R	>64/4, R	>4/76, R	8, R
NDM-Kpn-62	01/03/23	Blood	>256, R	>1, R	>8, R	>8, R	≥ 32, R	16, R	≥ 8, R	>64/4, R	>4/76, R	1, S
NDM-Kpn-63	19/05/23	Urine	>256, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>64/4, R	≤ 1/19, S	0.5, S
NDM-Kpn-64	19/05/23	Urethral swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	1, R	>64/4, R	>4/76, R	0.5, S
NDM-Kpn-65	23/05/23	Urine	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S
NDM-Kpn-66	29/05/23	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	4, R
NDM-Kpn-67	29/05/23	Urine	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-68	29/05/23	Urine	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	0.25, S
NDM-Kpn-69	29/05/23	Urine	>256, R	>1, R	>8, R	>8, R	2, S	8, S	>1, R	>16/4, R	>4/76, R	4, R
NDM-Kpn-70	29/05/23	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>8, R	>1, R	>16/4, R	≤ 1/19, S	1, S
NDM-Kpn-71	30/05/23	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-72	06/06/23	Rectal swab	>256, R	>2, R	>8, R	>8, R	>8, R	>16, R	>1, R	>128, R	>4/76, R	0.5, S
NDM-Kpn-73	09/06/23	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-74	19/06/23	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	1, S
NDM-Kpn-75	04/07/23	Rectal swab	>256, R	>1, R	>8, R	>8, R	2, S	16, R	1, R	>64/4, R	≤ 1/19, S	1, S
NDM-Kpn-76	04/07/23	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-77	04/07/23	Rectal swab	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-78	11/07/23	Rectal swab	>256, R	>1, R	>8, R	>8, R	≤ 1, S	≤ 4, S	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-79	26/07/23	Urine	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	64/4, R	>4/76, R	1, S
NDM-Kpn-80	02/08/23	Urine	>256, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-81	02/08/23	Rectal swab	>8/4, R	>1, R	>8, R	>8, R	≥ 16, R	>16, R	≥ 4, R	>64/4, R	>4/76, R	1, S
NDM-Kpn-82	12/08/23	Rectal swab	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-83	16/08/23	Rectal swab	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	1, S
NDM-Kpn-84	22/08/23	Urine	>8/4, R	>1, R	>8, R	>8, R	32, R	8, S	>8, R	>64/4, R	≤ 1/19, S	1, S
NDM-Kpn-85	22/08/23	Rectal swab	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-86	04/09/23	Rectal swab	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	4, R
NDM-Kpn-87	08/09/23	Vaginal swab	>8/4, R	>1, R	>8, R	>8, R	1, S	8, S	>8, R	>64/4, R	>4/76, R	1, S
NDM-Kpn-88	08/09/23	Bronchial Aspirate	>8/4, R	>1, R	>8, R	>8, R	1, S	>16, R	>8, R	>64/4, R	>4/76, R	1, S
NDM-Kpn-89	12/09/23	Rectal swab	256/4 R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	≤ 1/19, S	1, S
NDM-Kpn-90	12/09/23	Rectal swab	256/4 R	>1, R	>8, R	>8, R	2, S	16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-91	19/09/23	Urine	>16/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-92	20/09/23	Blood	≥ 16, R	>1, R	>8, R	>8, R	≥ 16, R	>16, R	>1, R	>64/4, R	>4/76, R	1, S
NDM-Kpn-93	27/09/23	Urine	>8/4, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	≤ 1/19, S	0.5, S
NDM-Kpn-94	28/09/23	Wound swab	>128, R	>8, R	>8, R	>8, R	≥ 16, R	32, R	≥ 4, R	>64/4, R	≥ 320, R	0.5, S
NDM-Kpn-95	03/10/23	Urine	>128, R	>8, R	>8, R	>8, R	32, R	>16, R	1, R	>64/4, R	>4/76, R	1, S
NDM-Kpn-96	06/10/23	Urine	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-97	18/10/23	Blood	>8/4, R	>2, R	>8, R	>8, R	>4, R	>32, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-98	24/10/23	Urine	>8/4, R	>1, R	>8, R	>8, R	≥ 16, R	>16, R	≥ 4, R	>64/4, R	≤ 1/19, S	0.5, S
NDM-Kpn-99	10/11/23	Rectal swab	256/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	≤ 1/19, S	1, S
NDM-Kpn-100	15/11/23	Rectal swab	>8/4, R	>1, R	>8, R	>8, R	1, S	≤ 1, S	>1, R	>64/4, R	>4/76, R	1, S

NDM-Kpn-101	15/11/23	Bronchial Aspirate	>8/4, R	>1, R	>8, R	>8, R	>32, R	>32, R	>8, R	>64/4, R	>4/76, R	1, S
NDM-Kpn-102	15/11/23	Urine	>8/4, R	>2, R	>8, R	>8, R	<=1, S	8, S	>1, R	>64/4, R	>4/76, R	0.5, S
NDM-Kpn-103	24/11/23	Rectal swab	256/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4 R	>4/76, R	1, S
NDM-Kpn-104	24/11/23	Urine	>8/4, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4 R	≤ 1/19, S	1, S
NDM-Kpn-105	24/11/23	Urine	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	1, R	>16/4 R	>4/76, R	1, S
NDM-Kpn-106	24/11/23	Urine	>8/4, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4 R	≤ 1/19, S	1, S
NDM-Kpn-107	24/11/23	Rectal swab	>8/4, R	>1, R	>8, R	>8, R	2, S	8, S	>1, R	>16/4 R	≤ 1/19, S	1, S
NDM-Kpn-108	24/11/23	Urine	>8/4, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4 R	≤ 1/19, S	1, S
NDM-Kpn-109	24/11/23	Urine	>8/4, R	>1, R	>8, R	>8, R	2, S	16, R	>1, R	>16/4, R	≤ 1/19, S	1, S
NDM-Kpn-110	24/11/23	Rectal swab	>8/4, R	>1, R	>8, R	>8, R	2, S	16, R	>1, R	>16/4, R	≤ 1/19, S	1, S
NDM-Kpn-111	24/11/23	Wound swab	>8/4, R	>1, R	>8, R	>8, R	2, S	16, R	>1, R	>16/4, R	≤ 1/19, S	1, S
NDM-Kpn-112	24/11/23	Blood	>8/4, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-113	24/11/23	Rectal swab	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-114	24/11/23	Rectal swab	>8/4, R	>1, R	>8, R	>8, R	2, S	>8, R	>1, R	>16/4, R	≤ 1/19, S	1, S
NDM-Kpn-115	24/11/23	Rectal swab	>8/4, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	≤ 1/19, S	1, S
NDM-Kpn-116	24/11/23	Rectal swab	>8/4, R	>1, R	>8, R	>8, R	2, S	>16, R	>1, R	>64/4, R	>4/76, R	0.5, S
NDM-Kpn-117	20/11/23	Urine	>8/4, R	>1, R	>8, R	>8, R	<=1, S	8, S	>1, R	>64/4, R	>4/76, R	0.25, S
NDM-Kpn-118	29/11/23	Urine	>8/4, R	>1, R	>8, R	>8, R	>4, R	16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-119	01/12/23	Wound swab	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>64/4, R	>4/76, R	0.25, S
NDM-Kpn-120	12/12/23	Rectal swab	256/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	4, R
NDM-Kpn-121	07/12/23	Urine	256/4, R	>1, R	>8, R	>8, R	>4, R	>8, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-122	14/12/23	Rectal swab	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-123	15/12/23	Rectal swab	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>8, R	>64/4, R	>4/76, R	1, S
NDM-Kpn-124	20/12/23	Urine	>8/4, R	>1, R	>8, R	>8, R	>4, R	>16, R	>1, R	>16/4, R	>4/76, R	1, S
NDM-Kpn-125	20/12/23	Urine	>8/4, R	>1, R	>8, R	>8, R	2, S	16, R	>1, R	>16/4, R	≤ 1/19, S	1, S
NDM-Kpn-126	20/12/23	Urine	>8/4, R	>1, R	>8, R	>8, R	2, S	>16, R	>1, R	>16/4, R	>4/76, R	1, S

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