

**Table S1. Susceptibility test data on strains used in this study.**

Isolate	AMC	AMP	ATM	CFZ	FEP	CTX	FOX	CRO	ETP	IMP	MEM	DPM	TZP
R1: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
R2: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	≤1	>32	>16	>32	>4	>8	>8	-	>64/4
R3: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
R4: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	8	>8	-	>64/4
R5: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
R6: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
R7: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
R8: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
R9: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
R10: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
R11: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
R12: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	32	>16	>32	>4	8	>8	-	>64/4
R13: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
R14: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
R15: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
R16: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
R17: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
R18: <i>K. pneumoniae</i>	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
S1: <i>K. pneumoniae</i>	≤4/2	16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	8/4
S2: <i>K. pneumoniae</i>	≤4/2	>16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	4/4
S3: <i>K. pneumoniae</i>	≤4/2	>16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	4/4
S4: <i>K. pneumoniae</i>	≤4/2	>16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	4/4
S5: <i>K. pneumoniae</i>	≤4/2	>16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	8/4
S6: <i>K. pneumoniae</i>	≤4/2	>16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	4/4
S7: <i>K. pneumoniae</i>	≤4/2	16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	≤2/4
S8: <i>K. pneumoniae</i>	≤4/2	>16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	8/4
S9: <i>K. pneumoniae</i>	≤4/2	8	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	≤2/4
S10: <i>K. pneumoniae</i>	≤4/2	>16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	4/4
S11: <i>K. pneumoniae</i>	≤4/2	16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	4/4
S12: <i>K. pneumoniae</i>	≤4/2	>16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	4/4
S13: <i>K. pneumoniae</i>	≤4/2	>16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	4/4
S14: <i>K. pneumoniae</i>	≤4/2	8	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	4/4
S15: <i>K. pneumoniae</i>	≤4/2	16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	8/4
S16: <i>K. pneumoniae</i>	≤4/2	>16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	≤2/4
S17: <i>K. pneumoniae</i>	≤4/2	>16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	≤2/4
S18: <i>K. pneumoniae</i>	≤4/2	16	≤2	≤2	≤1	-	≤4	-	≤0.5	≤1	≤1	-	4/4
A1: <i>K. pneumoniae</i>	-	-	-	-	-	-	-	-	NZ	27	17	22	-
A2: <i>E. coli</i>	-	-	-	-	-	-	-	-	10	24	18	23	-
A3: <i>K. pneumoniae</i>	-	-	-	-	-	-	-	-	NZ	NZ	NZ	NZ	-
A4: <i>K. pneumoniae</i>	-	-	-	-	-	-	-	-	NZ	NZ	NZ	NZ	-
A5: <i>S. marcescens</i>	-	-	-	-	-	-	-	-	20	NZ	17	16	-

A6: <i>E. coli</i>	-	-	-	-	-	-	-	-	10	22	15	19	-
A7: <i>K. pneumoniae</i>	-	-	-	-	-	-	-	-	19	25	10	14	-
A8: <i>E. coli</i>	-	-	-	-	-	-	-	-	12	29	15	19	-
A9: <i>K. pneumoniae</i>	-	-	-	-	-	-	-	-	12	28	20	25	-
A10: <i>E. aerogenes</i>	-	-	-	-	-	-	-	-	NZ	16	16	21	-
A11: <i>S. marcescens</i>	-	-	-	-	-	-	-	-	22	NZ	18	18	-
A12: <i>K. pneumoniae</i>	-	-	-	-	-	-	-	-	10	25	NZ	20	-
A13: <i>K. pneumoniae</i>	-	-	-	-	-	-	-	-	10	28	16	23	-
A14: <i>E. coli</i>	-	-	-	-	-	-	-	-	NZ	28	18	23	-
A15: <i>E. coli</i>	-	-	-	-	-	-	-	-	NZ	28	18	23	-
A16: <i>Serratia</i> sp.	-	-	-	-	-	-	-	-	14	NZ	15	13	-
A17: <i>E. coli</i>	-	-	-	-	-	-	-	-	NZ	24	17	18	-
A18: <i>C. freundii</i> complex	-	-	-	-	-	-	-	-	14	20	27	28	-
A19: <i>E. coli</i>	-	-	-	-	-	-	-	-	NZ	26	15	22	-
A20: <i>E. coli</i>	-	-	-	-	-	-	-	-	NZ	26	18	21	-
A21: <i>E. cloacae</i> complex	-	-	-	-	-	-	-	-	18	20	21	24	-
A22: <i>E. cloacae</i> complex	-	-	-	-	-	-	-	-	NZ	21	14	20	-
A23: <i>E. cloacae</i> complex	-	-	-	-	-	-	-	-	NZ	12	11	14	-
A24: <i>E. cloacae</i> complex	-	-	-	-	-	-	-	-	10	20	17	21	-
A25: <i>E. coli</i>	-	-	-	-	-	-	-	-	NZ	22	15	20	-
A26: <i>E. coli</i>	-	-	-	-	-	-	-	-	NZ	25	16	20	-
ATCC BAA1705	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	8	8	-	>64/4
ATCC BAA1706	<=4/2	>16	<=2	>16	<=1	-	>16	-	20	22	25	-	8/4
C1: Fig 1A (shown)	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
C2: Fig 1B (shown)	<=4/2	>16	<=2	-	<=1	-	>16	-	<=0.5	<=1	<=1	-	8/4
C3: Fig 1C (shown)	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
C4: Fig 1A (not shown)	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
C5: Fig 1B (not shown)	<=4/2	>16	<=2	>16	<=1	-	>16	-	<=0.5	<=1	<=1	-	8/4
C6: Fig 1C (not shown)	>16/8	>16	>16	>16	>16	>32	>16	>32	>4	>8	>8	-	>64/4
C9: Figure 1D	<=4/2	>16	<=2	<=2	<=1	-	8	-	<=0.5	<=1	<=1	-	4/4
C10: Figure 1E	>16/8	>16	>16	>16	>16	32	>16	>32	>4	8	8	-	>64/4
C7: Fig 1F	8/4	<=4	<=2	8	<=1	-	16	-	<=0.5	<=1	<=1	-	<=2/4
C8: Fig 1G	>16/8	>16	<=2	>16	-	32	>16	>32	<=0.5	4	20	-	>64/4

R1-R18 represent 2011 NIH Clinical Center outbreak isolates. S1-S18 represent comparator *bla<sub>KPC</sub>*-negative, carbapenem-susceptible clinical *K. pneumoniae* isolates. A1-A26 represent comparator *bla<sub>KPC</sub>*-negative, carbapenem-resistant isolates (defined as I or R to at least 2 carbapenems). C1-C10 are isolates used in the plasmid elimination/transformation experiments represented in Figure 3. C1-C3 are data shown in Figure 3A-C, and C4-6 are the susceptibilities on the second isolate mentioned in the text, performed in parallel (spectral data not shown). R1-R18, S1-S18, and C1-C10 isolates were tested by broth microdilution methods, with the exception of meropenem testing on isolate C8, which was performed by Kirby Bauer disk diffusion. Isolates A1-A26 and ATCC BAA1706 were tested by Kirby Bauer disk diffusion and numbers represent zone size in mm. NZ = no zone of inhibition around disk. Abbreviations: AMC = amoxicillin/clavulanic acid; AMP = ampicillin; ATM = aztreonam; CFZ = cefazolin; FEP = cefepime; CTX = cefotaxime; FOX = ceftiofloxacin; CRO = ceftriaxone; ETP = ertapenem; IMP = imipenem; MEM = meropenem; DPM = doripenem; TZP = piperacillin/tazobactam. Color code indicates susceptibility interpretations per 2013 CLSI standards (**Clinical and Laboratory Standards Institute**. 2013. Performance Standards for Antimicrobial Susceptibility Testing; Twenty-Third Informational Supplement: M100-S23.): Red = Resistant; Yellow = Intermediate; Green = Susceptible.