

1 **TABLE S1** Cumulative MIC distributions for colistin tested against the main species and organism groups

Species/organism group (no. of isolates)	No. and cumulative % of isolates inhibited at MIC (mg/L) of:											MIC <sub>50</sub>	MIC <sub>90</sub>	
	≤0.03	0.06	0.12	0.25	0.5	1	2	4	8	16	32			> <sup>a</sup>
<i>Enterobacteriales</i> (787)														
<i>Enterobacteriales</i> not intrinsically resistant to colistin (685) <sup>b</sup>	0 0.0	2 0.3	373 54.7	246 90.7	46 97.4	1 97.5	0 97.5	2 97.8	3 98.2	2 98.5	0 98.5	10 100.0	0.12	0.25
<i>Citrobacter</i> spp. (47)		0 0.0	26 55.3	18 93.6	3 100.0								0.12	0.25
<i>Enterobacter cloacae</i> species complex (52)	0 0.0	1 1.9	28 55.8	11 76.9	2 80.8	0 80.8	0 80.8	0 80.8	1 82.7	1 84.6	0 84.6	8 100.0	0.12	>32
<i>Escherichia coli</i> (261)	0 0.0	1 0.4	109 42.1	129 91.6	20 99.2	0 99.2	0 99.2	1 99.6	1 100.0				0.25	0.25
<i>Klebsiella aerogenes</i> (23)		0 0.0	17 73.9	5 95.7	0 95.7	1 100.0							0.12	0.25
<i>Klebsiella oxytoca</i> (37)		0 0.0	32 86.5	2 91.9	3 100.0								0.12	0.25
<i>Klebsiella pneumoniae</i> (265)		0 0.0	161 60.8	81 91.3	18 98.1	0 98.1	0 98.1	1 98.5	1 98.9	1 99.2	0 99.2	2 100.0	0.12	0.25
Colistin-resistant (17)							0 0.0	2 11.8	3 29.4	2 41.2	0 41.2	10 100.0	>32	>32
Meropenem-resistant (10)		0 0.0	5 50.0	2 70.0	0 70.0	0 70.0	0 70.0	1 80.0	0 80.0	0 80.0	0 80.0	2 100.0	0.12	>32
Multidrug-resistant (54)		0 0.0	27 50.0	20 87.0	4 94.4	0 94.4	0 94.4	1 96.3	0 96.3	0 96.3	0 96.3	2 100.0	0.12	0.5
<i>Enterobacteriales</i> intrinsically resistant to colistin (102) <sup>c</sup>											0 0.0	102 100.0	>32	>32
<i>Acinetobacter baumannii</i> (264)	0 0.0	1 0.4	23 9.1	112 51.5	94 87.1	27 97.3	1 97.7	1 98.1	0 98.1	2 98.9	2 99.6	1 100.0	0.25	1
Meropenem-resistant (74)		0 0.0	6 8.1	36 56.8	26 91.9	3 95.9	0 95.9	0 95.9	0 95.9	1 97.3	1 98.6	1 100.0	0.25	0.5
Colistin-non-resistant (258)	0 0.0	1 0.4	23 9.3	112 52.7	94 89.1	27 99.6	1 100.0						0.25	1
Colistin-resistant (6)							0 0.0	1 16.7	0 16.7	2 50.0	2 83.3	1 100.0	16	
Multidrug-resistant (104)		0 0.0	8 7.7	46 51.9	38 88.5	9 97.1	0 97.7	0 97.7	0 97.7	1 98.1	1 99.0	1 100.0	0.25	1
<i>Pseudomonas aeruginosa</i> (263)		0 0.0	10 3.8	23 12.5	123 59.3	102 98.1	5 100.0						0.5	1

Species/organism group (no. of isolates)	No. and cumulative % of isolates inhibited at MIC (mg/L) of:											MIC <sub>50</sub>	MIC <sub>90</sub>	
	≤0.03	0.06	0.12	0.25	0.5	1	2	4	8	16	32			> <sup>a</sup>
Meropenem-resistant (31)	0	2	5	15	9								0.5	1
	0.0	6.5	22.6	71.0	100.0									
Multidrug-resistant (46)	0	4	7	17	16	2							0.5	1
	0.0	8.7	23.9	60.9	95.7	100.0								

2 Abbreviations: MIC, minimal inhibitory concentration.

3 <sup>a</sup> Greater than the highest concentration tested.

4 <sup>b</sup> Species included *Citrobacter amalonaticus/farmeri* (1), *Citrobacter freundii* (1), *C. freundii* species complex (26), *Citrobacter koseri* (19), *Enterobacter asburiae* (1), *Enterobacter*  
5 *cloacae* (14), *E. cloacae* species complex (36), *Enterobacter hormaechei* (1), *Escherichia coli* (261), *Klebsiella aerogenes* (23), *Klebsiella oxytoca* (37), and *Klebsiella pneumoniae*  
6 (265).

7 <sup>c</sup> Species included *Morganella morganii* (10), *Proteus mirabilis* (46), *Proteus penneri* (1), *Proteus vulgaris* group (5), *Providencia rettgeri* (7), *Providencia stuartii* (8), *Serratia*  
8 *liquefaciens* complex (3), and *Serratia marcescens* (22).

9 **TABLE S2** Cumulative MIC distributions for polymyxin B tested against the main species and organism groups

Species/organism group (no. of isolates)	No. and cumulative % of isolates inhibited at MIC (mg/L) of:											MIC <sub>50</sub>	MIC <sub>90</sub>	
	≤0.06	0.12	0.25	0.5	1	2	4	8	16	32	> a			
<i>Enterobacterales</i> (787)														
<i>Enterobacterales</i> not intrinsically resistant to colistin (685) <sup>b</sup>	0 0.0	112 16.4	459 83.4	90 96.5	7 97.5	1 97.7	2 98.0	3 98.4	1 98.5	2 98.8	8 100.0	0.25	0.5	
<i>Citrobacter</i> spp. (47)	0 0.0	13 27.7	30 91.5	4 100.0								0.25	0.25	
<i>Enterobacter cloacae</i> species complex (52)	0 0.0	12 23.1	27 75.0	3 80.8	0 80.8	0 80.8	0 80.8	1 82.7	0 82.7	2 86.5	7 100.0	0.25	>32	
<i>Escherichia coli</i> (261)	0 0.0	53 20.3	170 85.4	33 98.1	3 99.2	1 99.6	0 99.6	1 100.0				0.25	0.5	
<i>Klebsiella aerogenes</i> (23)	0 0.0	7 30.4	14 91.3	2 100.0								0.25	0.25	
<i>Klebsiella oxytoca</i> (37)	0 0.0	8 21.6	28 97.3	0 97.3	1 100.0							0.25	0.25	
<i>Klebsiella pneumoniae</i> (265)	0 0.0	19 7.2	190 78.9	48 97.0	3 98.1	0 98.1	2 98.9	1 99.2	1 99.6	0 99.6	1 100.0	0.25	0.5	
Colistin-resistant (17)					0 0.0	1 5.9	2 17.6	3 35.3	1 41.2	2 52.9	8 100.0	32	>32	
Meropenem-resistant (10)	0 0.0	2 20.0	4 60.0	1 70.0	0 70.0	0 70.0	1 80.0	0 80.0	1 90.0	0 90.0	1 100.0	0.25	16	
Multidrug-resistant (54)	0 0.0	6 11.1	37 79.6	8 94.4	0 94.4	0 94.4	1 96.3	0 96.3	1 98.1	0 98.1	1 100.0	0.25	0.5	
<i>Enterobacterales</i> intrinsically resistant to colistin (102) <sup>c</sup>									0 0.0	1 1.0	101 100.0	>32	>32	
<i>Acinetobacter baumannii</i> (264)	0 0.0	34 12.9	148 68.9	66 93.9	11 98.1	1 98.5	0 98.5	3 99.6	1 100.0			0.25	0.5	
Meropenem-resistant (74)	0 0.0	12 16.2	41 71.6	17 94.6	1 95.9	1 97.3	0 97.3	1 98.6	1 100.0			0.25	0.5	
Colistin-non-resistant (258)	0 0.0	34 13.2	148 70.5	66 96.1	10 100.0							0.25	0.5	
Colistin-resistant (6)				0 0.0	1 16.7	1 33.3	0 33.3	3 83.3	1 100.0			8		
Multidrug-resistant (104)	0 0.0	15 14.4	59 71.2	25 95.2	2 97.1	1 98.1	0 98.1	1 99.0	1 100.0			0.25	0.5	
<i>Pseudomonas aeruginosa</i> (263)	0 0.0	5 1.9	31 13.7	171 78.7	52 98.5	4 100.0						0.5	1	

Species/organism group (no. of isolates)	No. and cumulative % of isolates inhibited at MIC (mg/L) of:											MIC <sub>50</sub>	MIC <sub>90</sub>
	≤0.06	0.12	0.25	0.5	1	2	4	8	16	32	> <sup>a</sup>		
Meropenem-resistant (31)	0 0.0	2 6.5	6 25.8	21 93.5	2 100.0							0.5	0.5
Multidrug-resistant (46)	0 0.0	3 6.5	8 23.9	26 80.4	8 97.8	1 100.0						0.5	1

10 Abbreviations: MIC, minimal inhibitory concentration.

11 <sup>a</sup> Greater than the highest concentration tested.

12 <sup>b</sup> Species included *Citrobacter amalonaticus/farmeri* (1), *Citrobacter freundii* (1), *C. freundii* species complex (26), *Citrobacter koseri* (19), *Enterobacter asburiae* (1), *Enterobacter*  
13 *cloacae* (14), *E. cloacae* species complex (36), *Enterobacter hormaechei* (1), *Escherichia coli* (261), *Klebsiella aerogenes* (23), *Klebsiella oxytoca* (37), and *Klebsiella pneumoniae*  
14 (265).

15 <sup>c</sup> Species included *Morganella morganii* (10), *Proteus mirabilis* (46), *Proteus penneri* (1), *Proteus vulgaris* group (5), *Providencia rettgeri* (7), *Providencia stuartii* (8), *Serratia*  
16 *liquefaciens* complex (3), and *Serratia marcescens* (22).

17 **TABLE S3** Antimicrobial activity of MRX-8 and comparator agents tested against 47 *Citrobacter* spp. isolates

Antimicrobial agent	No. of isolates	mg/L			CLSI <sup>a</sup>			EUCAST <sup>a</sup>		
		MIC <sub>50</sub>	MIC <sub>90</sub>	MIC range	%S	%I	%R	%S	%I	%R
MRX-8	47	0.12	0.25	0.06 to 0.5						
Colistin	47	0.12	0.25	0.12 to 0.5		100.0	0.0	100.0		0.0
Polymyxin B	47	0.25	0.25	0.12 to 0.5		100.0	0.0			
Amikacin	47	2	4	0.5 to 16	100.0	0.0	0.0	97.9 <sup>b</sup>		2.1
Ceftazidime	47	0.25	>32	0.06 to >32	85.1	0.0	14.9	83.0	2.1	14.9
Ceftazidime-avibactam (fixed 4 mg/L)	13	0.12	0.5	≤0.015 to 0.5	100.0		0.0	100.0		0.0
Ceftriaxone	47	0.12	>8	≤0.06 to >8	83.0	2.1	14.9	83.0 <sup>c</sup>		17.0
								83.0 <sup>d</sup>	2.1	14.9
Gentamicin	47	0.5	8	≤0.12 to >16	89.4	2.1	8.5	87.2 <sup>b</sup>		12.8
Levofloxacin	47	≤0.03	2	≤0.03 to >32	85.1	4.3	10.6	85.1	4.3	10.6
Meropenem	47	0.03	0.06	0.015 to 16	95.7	0.0	4.3	95.7 <sup>c</sup>		4.3
								95.7 <sup>d</sup>	2.1	2.1
Piperacillin-tazobactam (fixed 4 mg/L)	47	2	128	0.25 to >128	87.2	2.1	10.6	85.1		14.9
Tigecycline	47	0.25	0.5	≤0.06 to 1	100.0 <sup>e</sup>	0.0	0.0			

18 Abbreviations: CLSI, Clinical and Laboratory Standards Institute; EUCAST, European Committee on Antimicrobial Susceptibility Testing; I, intermediate; MIC, minimal inhibitory  
 19 concentration; R, resistant; S, susceptible.

20 <sup>a</sup> Criteria as published by CLSI (2021) and EUCAST (2021).

21 <sup>b</sup> For infections originating from the urinary tract. For systemic infections, aminoglycosides must be used in combination with other active therapy.

22 <sup>c</sup> Using meningitis breakpoints.

23 <sup>d</sup> Using non-meningitis breakpoints.

24 <sup>e</sup> Using FDA breakpoints.

25 Organisms included *Citrobacter amalonaticus/farmeri* (1), *Citrobacter freundii* (1), *C. freundii* species complex (26), and *Citrobacter koseri* (19).

26 **TABLE S4** Antimicrobial activity of MRX-8 and comparator agents tested against 52 *Enterobacter cloacae* species  
 27 complex isolates

Antimicrobial agent	No. of isolates	mg/L			CLSI <sup>a</sup>			EUCAST <sup>a</sup>		
		MIC <sub>50</sub>	MIC <sub>90</sub>	MIC range	%S	%I	%R	%S	%I	%R
MRX-8	52	0.12	>32	0.06 to >32						
Colistin	52	0.12	>32	0.06 to >32		80.8	19.2	80.8		19.2
Polymyxin B	52	0.25	>32	0.12 to >32		80.8	19.2			
Amikacin	52	1	2	0.5 to 4	100.0	0.0	0.0	100.0 <sup>b</sup>		0.0
Ceftazidime	52	0.5	>32	0.12 to >32	69.2	1.9	28.8	63.5	5.8	30.8
Ceftazidime-avibactam (fixed 4 mg/L)	23	0.5	1	0.06 to 2	100.0		0.0	100.0		0.0
Ceftriaxone	52	0.5	>8	≤0.06 to >8	65.4	1.9	32.7	65.4 <sup>c</sup>		34.6
								65.4 <sup>d</sup>	1.9	32.7
Gentamicin	52	0.25	0.5	≤0.12 to 16	98.1	0.0	1.9	98.1 <sup>b</sup>		1.9
Levofloxacin	51	≤0.03	4	≤0.03 to >32	84.3	0.0	15.7	84.3	0.0	15.7
Meropenem	52	0.03	0.25	0.015 to 4	98.1	0.0	1.9	98.1 <sup>c</sup>		1.9
								98.1 <sup>d</sup>	1.9	0.0
Piperacillin-tazobactam (fixed 4 mg/L)	52	4	>128	0.5 to >128	73.1	1.9	25.0	69.2		30.8
Tigecycline	52	0.5	1	0.12 to 4	94.2 <sup>e</sup>	5.8	0.0			

28 Abbreviations: CLSI, Clinical and Laboratory Standards Institute; EUCAST, European Committee on Antimicrobial Susceptibility Testing; I, intermediate; MIC, minimal inhibitory  
 29 concentration; R, resistant; S, susceptible.

30 <sup>a</sup> Criteria as published by CLSI (2021) and EUCAST (2021).

31 <sup>b</sup> For infections originating from the urinary tract. For systemic infections, aminoglycosides must be used in combination with other active therapy.

32 <sup>c</sup> Using meningitis breakpoints.

33 <sup>d</sup> Using non-meningitis breakpoints.

34 <sup>e</sup> Using FDA breakpoints.

35 Organisms included *Enterobacter asburiae* (1), *Enterobacter cloacae* (14), *E. cloacae* species complex (36), and *Enterobacter hormaechei* (1).



36 **TABLE S5** Antimicrobial activity of MRX-8 and comparator agents tested against 23 *Klebsiella aerogenes* isolates

Antimicrobial agent	No. of isolates	mg/L			CLSI <sup>a</sup>			EUCAST <sup>a</sup>		
		MIC <sub>50</sub>	MIC <sub>90</sub>	MIC range	%S	%I	%R	%S	%I	%R
MRX-8	23	0.12	0.25	0.06 to 0.5						
Colistin	23	0.12	0.25	0.12 to 1		100.0	0.0	100.0		0.0
Polymyxin B	23	0.25	0.25	0.12 to 0.5		100.0	0.0			
Amikacin	23	2	2	0.5 to 4	100.0	0.0	0.0	100.0 <sup>b</sup>		0.0
Ceftazidime	23	0.25	>32	0.12 to >32	78.3	0.0	21.7	78.3	0.0	21.7
Ceftazidime-avibactam (fixed 4 mg/L)	10	0.12	0.25	0.06 to 0.5	100.0		0.0	100.0		0.0
Ceftriaxone	23	0.12	>8	≤0.06 to >8	78.3	0.0	21.7	78.3 <sup>c</sup>		21.7
								78.3 <sup>d</sup>	0.0	21.7
Gentamicin	23	0.25	0.5	≤0.12 to 0.5	100.0	0.0	0.0	100.0 <sup>b</sup>		0.0
Levofloxacin	23	0.06	0.12	≤0.03 to 0.25	100.0	0.0	0.0	100.0	0.0	0.0
Meropenem	23	0.03	0.06	0.03 to 0.12	100.0	0.0	0.0	100.0 <sup>c</sup>		0.0
								100.0 <sup>d</sup>	0.0	0.0
Piperacillin-tazobactam (fixed 4 mg/L)	23	4	32	1 to 128	78.3	17.4	4.3	78.3		21.7
Tigecycline	23	0.5	0.5	0.25 to 1	100.0 <sup>e</sup>	0.0	0.0			

37 Abbreviations: CLSI, Clinical and Laboratory Standards Institute; EUCAST, European Committee on Antimicrobial Susceptibility Testing; I, intermediate; MIC, minimal inhibitory  
 38 concentration; R, resistant; S, susceptible.

39 <sup>a</sup> Criteria as published by CLSI (2021) and EUCAST (2021).

40 <sup>b</sup> For infections originating from the urinary tract. For systemic infections, aminoglycosides must be used in combination with other active therapy.

41 <sup>c</sup> Using meningitis breakpoints.

42 <sup>d</sup> Using non-meningitis breakpoints.

43 <sup>e</sup> Using FDA breakpoints.

44 **TABLE S6** Antimicrobial activity of MRX-8 and comparator agents tested against 37 *Klebsiella oxytoca* isolates

Antimicrobial agent	No. of isolates	mg/L			CLSI <sup>a</sup>			EUCAST <sup>a</sup>		
		MIC <sub>50</sub>	MIC <sub>90</sub>	MIC range	%S	%I	%R	%S	%I	%R
MRX-8	37	0.12	0.12	0.06 to 0.25						
Colistin	37	0.12	0.25	0.12 to 0.5		100.0	0.0	100.0		0.0
Polymyxin B	37	0.25	0.25	0.12 to 1		100.0	0.0			
Amikacin	37	1	2	0.5 to 4	100.0	0.0	0.0	100.0 <sup>b</sup>		0.0
Ceftazidime	37	0.12	1	0.06 to 32	94.6	2.7	2.7	91.9	2.7	5.4
Ceftazidime-avibactam (fixed 4 mg/L)	12	0.12	0.25	0.06 to 0.5	100.0		0.0	100.0		0.0
Ceftriaxone	37	0.12	>8	≤0.06 to >8	78.4	2.7	18.9	78.4 <sup>c</sup>		21.6
								78.4 <sup>d</sup>	2.7	18.9
Gentamicin	37	0.5	1	≤0.12 to >16	91.9	0.0	8.1	91.9 <sup>b</sup>		8.1
Levofloxacin	37	≤0.03	0.12	≤0.03 to 0.5	100.0	0.0	0.0	100.0	0.0	0.0
Meropenem	37	0.03	0.03	0.015 to 0.06	100.0	0.0	0.0	100.0 <sup>c</sup>		0.0
								100.0 <sup>d</sup>	0.0	0.0
Piperacillin-tazobactam (fixed 4 mg/L)	37	2	>128	0.5 to >128	83.8	2.7	13.5	83.8		16.2
Tigecycline	37	0.25	0.5	0.25 to 2	100.0 <sup>e</sup>	0.0	0.0			

45 Abbreviations: CLSI, Clinical and Laboratory Standards Institute; EUCAST, European Committee on Antimicrobial Susceptibility Testing; I, intermediate; MIC, minimal inhibitory  
 46 concentration; R, resistant; S, susceptible.

47 <sup>a</sup> Criteria as published by CLSI (2021) and EUCAST (2021).

48 <sup>b</sup> For infections originating from the urinary tract. For systemic infections, aminoglycosides must be used in combination with other active therapy.

49 <sup>c</sup> Using meningitis breakpoints.

50 <sup>d</sup> Using non-meningitis breakpoints.

51 <sup>e</sup> Using FDA breakpoints.

52 **TABLE S7** Bacterial isolates by species and year

Species or organism group	No. of isolates			
	All years	2017	2019	2020
<i>Enterobacterales</i>	787	304	283	200
<i>Enterobacterales</i> not intrinsically resistant to colistin <sup>a</sup>	685	266	237	182
<i>Citrobacter</i> spp.	47	14	13	20
<i>Enterobacter cloacae</i> species complex	52	22	23	7
<i>Escherichia coli</i>	261	101	77	83
<i>Klebsiella aerogenes</i>	23	12	10	1
<i>Klebsiella oxytoca</i>	37	15	12	10
<i>Klebsiella pneumoniae</i>	265	102	102	61
Colistin-resistant	17	9	5	3
Meropenem-resistant	10	5	3	2
Multidrug-resistant	54	21	18	15
<i>Enterobacterales</i> intrinsically resistant to colistin <sup>b</sup>	102	38	46	18
<i>Acinetobacter baumannii</i>	264	101	91	72
Colistin-non-resistant	258	98	89	71
Colistin-resistant	6	3	2	1
Meropenem-resistant	74	29	23	22
Multidrug-resistant	104	43	32	29
<i>Pseudomonas aeruginosa</i>	263	101	92	70
Meropenem-resistant	31	12	8	11
Multidrug-resistant	46	19	15	12

53 <sup>a</sup> Species included *Citrobacter amalonaticus/farmeri* (1), *Citrobacter freundii* (1), *C. freundii* species complex (26), *Citrobacter koseri* (19), *Enterobacter asburiae* (1), *Enterobacter*  
54 *cloacae* (14), *E. cloacae* species complex (36), *Enterobacter hormaechei* (1), *Escherichia coli* (261), *Klebsiella aerogenes* (23), *Klebsiella oxytoca* (37), and *Klebsiella pneumoniae*  
55 (265).

56 <sup>b</sup> Species included *Morganella morganii* (10), *Proteus mirabilis* (46), *Proteus penneri* (1), *Proteus vulgaris* group (5), *Providencia rettgeri* (7), *Providencia stuartii* (8), *Serratia*  
57 *liquefaciens* complex (3), and *Serratia marcescens* (22).

58 **TABLE S8** Bacterial isolates by infection type

Organism/organism group	Infection type						Total
	BSI	PIHP	SSSI	IAI	UTI	Other	
<i>Enterobacteriales</i>	129	120	109	38	373	18	787
<i>Enterobacteriales</i> not intrinsically resistant to colistin <sup>a</sup>	120	98	76	36	342	13	685
<i>Citrobacter</i> spp.	6	7	7	1	24	2	47
<i>Enterobacter cloacae</i> species complex	4	7	18	2	19	2	52
<i>Escherichia coli</i>	50	16	14	19	162	0	261
<i>Klebsiella aerogenes</i>	4	6	4	1	8	0	23
<i>Klebsiella oxytoca</i>	7	9	9	0	12	0	37
<i>Klebsiella pneumoniae</i>	49	53	24	13	117	9	265
Colistin-resistant	2	3	5	0	7	0	17
Meropenem-resistant	0	5	1	0	4	0	10
Multidrug-resistant	7	15	5	3	24	0	54
<i>Enterobacteriales</i> intrinsically resistant to colistin <sup>b</sup>	9	22	33	2	31	5	102
<i>Acinetobacter baumannii</i>	30	134	66	3	21	10	264
Colistin-non-resistant	29	130	65	3	21	10	258
Colistin-resistant	1	4	1	0	0	0	6
Meropenem-resistant	4	46	19	0	3	2	74
Multidrug-resistant	8	64	24	0	6	2	104
<i>Pseudomonas aeruginosa</i>	20	144	49	11	33	6	263
Meropenem-resistant	1	22	3	1	4	0	31
Multidrug-resistant	2	32	4	0	8	0	46
<b>Total</b>	<b>179</b>	<b>398</b>	<b>224</b>	<b>52</b>	<b>427</b>	<b>34</b>	<b>1,314</b>

59 Abbreviations: BSI, bloodstream infection; PIHP, pneumonia in hospitalized patients; IAI, intra-abdominal infection; SSSI, skin and skin structure infection; UTI, urinary tract  
60 infection.

61 <sup>a</sup> Species included *Citrobacter amalonaticus/farmeri* (1), *Citrobacter freundii* (1), *C. freundii* species complex (26), *Citrobacter koseri* (19), *Enterobacter asburiae* (1), *Enterobacter*  
62 *cloacae* (14), *E. cloacae* species complex (36), *Enterobacter hormaechei* (1), *Escherichia coli* (261), *Klebsiella aerogenes* (23), *Klebsiella oxytoca* (37), and *Klebsiella pneumoniae*  
63 (265).

- 64 <sup>b</sup> Species included *Morganella morganii* (10), *Proteus mirabilis* (46), *Proteus penneri* (1), *Proteus vulgaris* group (5), *Providencia rettgeri* (7), *Providencia stuartii* (8), *Serratia*
- 65 *liquefaciens* complex (3), and *Serratia marcescens* (22).