

Novel Multidrug-Resistant *Cronobacter sakazakii* Causing Meningitis in Neonates, China, 2015

Technical Appendix

Technical Appendix Table 1. Antimicrobial drug susceptibility profiles

Category	Antibiotics	MIC, mg/L/antimicrobial susceptibility*
Penicillin	Ampicillin	≥32/R
Cephalosporin	Cefazolin	≥64/R
	Ceftriaxone	≥64/R
	Ceftazidime	2/S
	Cefepime	≤1/S
Carbapenem	Imipenem	≤1/S
	Ertapenem	≤0.5/S
Monobactam	Aztreonam	32/R
Aminoglycoside	Gentamicin	≥16/R
	Tobramycin	8/I
Tetracycline	Tetracycline	≥16/R
Phenicol	Chloramphenicol	≥32/R
Folate pathway Inhibitors	Trimethoprim–sulfamethoxazole	≥320/R
Nitrofurantoin	Nitrofurantoin	64/I
Fluoroquinolone	Ciprofloxacin	≤0.25/S

*The results were interpreted using the *Enterobacteriaceae* data from the Clinical and Laboratory Standards Institute (CLSI).

Technical Appendix Table 2. Large mobile elements and different types of secretion systems regions (>10 kb), and drug resistance genes identified in *C. sakazakii* strain GZcsf-1

Location	Type*	Nucleotide position	G+C%	Drug resistance	Resistance	Nucleotide position
				marker	phenotype	
Genome	ICE-1	530004–610181	55.0	<i>sul1</i>	Sulfonamide	595806–596645
				<i>aadA1</i>	Aminoglycoside	597150–597941
	T4SS	545665–566157	58.0			
	prophage-1	1033049–1074601	55.1			
	GI-1	1519846–1536984	51.1			
	ICE-2	1642519–1691107	47.5			
	prophage-2	2082823–2120897	50.1			
	GI-2	2299395–2309757	54.0			
	T6SS-1	2483935–2503145	56.6			
	T6SS-2	3176946–3204571	51.6			
	GI-3	3850021–3879063	42.7			
	T6SS-3	4360551–4404179	56.6			
	pGW1				<i>qnrB4</i>	Fluoroquinolone
				<i>bla_{DHA-1}</i>	Beta-lactam	12786–13925
				<i>sul1</i>	Sulfonamide	15502–16341
				<i>bla_{SFO-1}</i>	Beta-lactam	26538–27425
				<i>mph(A)</i>	Macrolide	42030–42935
				<i>sul1</i>	Sulfonamide	44465–45304
				<i>aadA2</i>	Aminoglycoside	45809–46600
				<i>dfrA12</i>	Trimethoprim	47008–47505
				<i>aac(3)-IId</i>	Aminoglycoside	50075–50935
				<i>bla_{TEM-1B}</i>	Beta-lactam	55907–56767
				<i>dfrA18</i>	Trimethoprim	65766–66335
				<i>strA</i>	Aminoglycoside	68109–68912
				<i>strB</i>	Aminoglycoside	68912–69748
				<i>aphA1</i>	Aminoglycoside	106293–107108
				<i>tet(D)</i>	Tetracycline	173801–174985
				<i>catA2</i>	Phenicol	176597–177238
				<i>aac(6')-IIc</i>	Aminoglycoside	332723–333304
				<i>ereA2</i>	Macrolide	337620–338660
			<i>sul1</i>	Sulfonamide	339184–340023	
pGW2	T6SS	35992–66569	55.3			

*ICE: Integrative and conjugative elements; GI: Genomic islands.