

Comparison of Clinical Manifestations, Antimicrobial Susceptibility Patterns, and Mutations of Fluoroquinolone Target Genes between *Elizabethkingia meningoseptica* and *Elizabethkingia anophelis* Isolated in Taiwan

Table S1. Primers and PCR conditions used in this study.

Primer	Sequence (5' to 3')	Amplicon size (bp)	GenBank accession no. or reference
PCR of 16S rRNA			
8f	CACGGATCCAGACTTTGAT(C/T)(A/C)TGGCTCAG	1498	Reference 12
1512r	GTGAAGCTTACGG(C/T)TAGCTTGTTACGACTT		
Sequencing of 16S rRNA			
8f	CACGGATCCAGACTTTGAT(C/T)(A/C)TGGCTCAG		Reference 7,10,13
534r	ATTACCGCGGCTGCTGG		
534f	CCAGCAGCCGCGGTAAT		
968f	AACGCGAAGAACCTTAC		
1512r	GTGAAGCTTACGG(C/T)TAGCTTGTTACGACTT		
PCR and sequencing of QRDR for <i>E. meningoseptica</i>			
<i>gyrA</i> -f ^a	CGATGTCGGTTATTGTTTCC	754	This study

<i>gyrA</i> -r ^a	GCAGTTCTGGCAATCATTTC		Accession	no.
<i>gyrB</i> -f ^b	AGCGCGATGATATTCCGGTT	780	NR_042267	
<i>gyrB</i> -r ^b	CCACATCGGCATCGGTCATA			
<i>parC</i> -f ^b	GTCTCCGGACTTTACCAGGA	477		
<i>parC</i> -r ^b	TGTGGAAAGACCTACCCCAAT			
<i>parE</i> -f ^b	AAGAGCCTGAAACATCAGAAGC	700		
<i>parE</i> -r ^b	CCAATAACAACCGGTTCCAG			
PCR and sequencing of QRDR for <i>E. anophelis</i>				
<i>gyrA</i> -f ^b	GGTTATCGTGTCCAGAGCG	446		
<i>gyrA</i> -r ^b	CCGCAATACCGGAAGTACCA			
<i>gyrB</i> -f ^b	ATACGCACGAAGGAGGTACG	847	This	study
<i>gyrB</i> -r ^b	CGCTCTTTCTCGTTCCATGC		Accession	no.
<i>parC</i> -f ^b	TGGTTTCTGGATTATGCCTCTT	446	CP007547	
<i>parC</i> -r ^b	CCTACACCAATCCCTTCTACTCC			
<i>parE</i> -f ^b	AAAGAGCCAGAAACATCAGAGG	819		
<i>parE</i> -r ^b	TTCTTTTCTTTCGATGTCCGTA			

Abbreviations: PCR, polymerase chain reaction; rRNA, ribosomal RNA; QRDR, quinolone-resistance determining region

^aThe conditions were as follow: an initial extended denaturation step of 94°C for 5 min, followed by 32 cycles of 30 s at 94°C, 30 s at 50°C, 1 min at 72°C, and a final 5 min at 72°C.

^bThe conditions were as follows: an initial extended denaturation step of 94°C for 5 min, followed by 30 cycles of 30 s at 94°C, 30 s at 55°C, 1 min at 72°C, and a final 5 min at 72°C.

Table S2. Information of strains for comparison of 16S rRNA and QRDRs in *gyrA*, *gyrB*, *parC*, and *parE* in this study.

Organism	Strain	Isolation source	Host	Collection date	Geographic location	GenBank accession number	Release date	Modify date
16S rRNA of type strains								
<i>E. meningoseptica</i>	KC1913	Cerebrospinal fluid	<i>Homo sapiens</i>	1949	Massachusetts, USA	CP014338	2017/03/09	2018/01/21
<i>E. anophelis</i>	R26	Host midgut	<i>Anopheles gambiae</i>	2006	Sweden	CP023401	2017/09/11	2017/09/20
<i>E. miricola</i>	DSM 14571	Condensation water	Unknown	1997	Russian Space station Mir	MH789417	2018/08/28	2018/08/28
<i>E. bruuniana</i>	G0146	Unknown	<i>Homo sapiens</i>	Unknown	England, United Kingdom	CP014337	2017/03/10	2017/03/13
<i>E. ursingii</i>	G4122	Soil	Unknown	1964	Odense, Denmark	MH789420	2016/01/21	2018/05/02
<i>E. occulta</i>	G4070	Host sputum	<i>Homo sapiens</i>	1977	Melbourne, Australia	MH789418	2017/03/08	2018/05/02
QRDRs in <i>gyrA</i>, <i>gyrB</i>, <i>parC</i>, and <i>parE</i>								
<i>E. meningoseptica</i>	G4076	Unknown	<i>Homo sapiens</i>	Unknown	England, United Kingdom	CP016376	2017/03/06	2017/03/08
<i>E. anophelis</i>	NUHP1	Host sputum	<i>Homo sapiens</i>	2012	Singapore	CP007547	2014/08/27	2017/04/02

Abbreviations: rRNA, ribosomal RNA; QRDR, quinolone-resistance determining region.