Supplemental Table 2. Specificity Panel

List of controls for specificity testing representing species within the genus *Elizabethkingia,* and other clinically relevant genera within the families Flavobacteriaceae and Sphingobacteriaceae.

Organism	Source	***secY*** **Genus-wide assay**	***lepA*** ***E. anophelis*** **specific**	***pheT*** ***E. meningoseptica*** **specific**
Elizabethkingia anophelis TS*	DSMZ 23781	+[a]	+	-[b]
Elizabethkingia anophelis	SBRL Clinical archive	+	+	-
Elizabethkingia anophelis	SBRL Clinical archive	+	+	-
Elizabethkingia anophelis	SBRL Clinical archive	+	+	-
Elizabethkingia anophelis	SBRL Clinical archive	+	+	-
Elizabethkingia miricola TS	DSMZ 14571	+	-	-
Elizabethkingia miricola	SBRL Clinical archive	+	-	-
Elizabethkingia miricola	SBRL Clinical archive	+	-	-
'Elizabethkingia bruuniana'	SBRL Clinical archive	+	-	-
'Elizabethkingia bruuniana'	SBRL Clinical archive	+	-	-
'Elizabethkingia ursingii'	SBRL Clinical archive	+	-	-
'Elizabethkingia ursingii'	SBRL Clinical archive	+	-	-
Elizabethkingia sp.	SBRL Clinical archive	+	-	-
Elizabethkingia meningoseptica	SBRL Clinical archive	+	-	+
Elizabethkingia meningoseptica	SBRL Clinical archive	+	-	+
Elizabethkingia meningoseptica	SBRL Clinical archive	+	-	+
Elizabethkingia meningoseptica	SBRL Clinical archive	+	-	+
Elizabethkingia meningoseptica	SBRL Clinical archive	+	-	+
Elizabethkingia meningoseptica	SBRL Clinical archive	+	-	+
Elizabethkingia meningoseptica TS	SBRL Clinical archive	+	-	+
Aggregatibacter actinomycetemcomitans	SBRL Clinical archive	-	-	-
Aggregatibacter aphrophilus	SBRL Clinical archive	-	-	-
Aggregatibacter aphrophilus	SBRL Clinical archive	-	-	-
Aggregatibacter segnis	SBRL Clinical archive	-	-	-
Aggregatibacter segnis	SBRL Clinical archive	-	-	-
Arthrobacter globiformis	SBRL Clinical archive	-	-	-
Arthrobacter histidinolovorans	SBRL Clinical archive	-	-	-
Bacillus cereus	SBRL Clinical archive	-	-	-
Bergeyella zoohelicum	SBRL Clinical archive	-	-	-
Bordetella bronchiseptica	SBRL Clinical archive	-	-	-
Bordetella bronchiseptica	SBRL Clinical archive	-	-	-
Bordetella hinzii	SBRL Clinical archive	-	-	-
Bordetella holmesii	SBRL Clinical archive	-	-	-
Bordetella holmesii	SBRL Clinical archive	-	-	-
Bordetella parapertussis	SBRL Clinical archive	-	-	-
Bordetella trematum	SBRL Clinical archive	-	-	-
Bordetella trematum	SBRL Clinical archive	-	-	-
Burkholderia cepacia	SBRL Clinical archive	-	-	-
Burkholderia cepacia	SBRL Clinical archive	-	-	-
Burkholderia fungorum	SBRL Clinical archive	-	-	-
Burkholderia gladioli	SBRL Clinical archive	-	-	-
Burkholderia gladioli	SBRL Clinical archive	-	-	-
Burkholderia multivorans	SBRL Clinical archive	-	-	-
Burkholderia multivorans	SBRL Clinical archive	-	-	-
Burkholderia stabilis	SBRL Clinical archive	-	-	-
Burkholderia stabilis	SBRL Clinical archive	-	-	-

Burkholderia thailandensis	SBRL Clinical archive	-	-	-
Capnocytophaga canimorsus	SBRL Clinical archive	-	-	-
Capnocytophaga canimorsus	SBRL Clinical archive	-	-	-
Chryseobacterium daecheongense	SBRL Clinical archive	-	-	-
Chryseobacterium gleum	SBRL Clinical archive	-	-	-
Chryseobacterium haifense	SBRL Clinical archive	-	-	-
Chryseobacterium hominis	SBRL Clinical archive	-	-	-
Chryseobacterium joostei	SBRL Clinical archive	-	-	-
Chryseobacterium shigense	SBRL Clinical archive	-	-	-
Chryseobacterium taklimakanense	SBRL Clinical archive	-	-	-
Corynebacterium accolens	SBRL Clinical archive	-	-	-
Corynebacterium afermentans	SBRL Clinical archive	-	-	-
Corynebacterium amycolatum	SBRL Clinical archive	-	-	-
Corynebacterium jeikeium	SBRL Clinical archive	-	-	-
Corynebacterium jeikeium	SBRL Clinical archive	-	-	-
Corynebacterium jeikeium	SBRL Clinical archive	-	-	-
Corynebacterium lipophiloflavum	SBRL Clinical archive	-	-	-
Corynebacterium macginleyi	SBRL Clinical archive	-	-	-
Corynebacterium minutissimum	SBRL Clinical archive	-	-	-
Corynebacterium minutissimum	SBRL Clinical archive	-	-	-
Corynebacterium riegelii	SBRL Clinical archive	-	-	-
Corynebacterium simulans	SBRL Clinical archive	-	-	-
Curtobacterium flaccumfaciens	SBRL Clinical archive	-	-	-
Curtobacterium pusillum	SBRL Clinical archive	-	-	-
Dermabacter hominis	SBRL Clinical archive	-	-	-
Empedobacter brevis	SBRL Clinical archive	-	-	-
Escherichia coli	ATCC 25922	-	-	-
Flavobacterium granuli	SBRL Clinical archive	-	-	-
Flavobacterium sp.	SBRL Clinical archive	-	-	-
Klebsiella pneumoniae	SBRL Clinical archive	-	-	-
Lactobacillus plantarum	SBRL Clinical archive	-	-	-
Listeria monocytogenes	SBRL Clinical archive	-	-	-
Microbacterium foliorum	SBRL Clinical archive	-	-	-
Myroides sp.	SBRL Clinical archive	-	-	-
Ochrobactrum anthropi	SBRL Clinical archive	-	-	-
Pseudomonas aeruginosa	ATCC 27853	-	-	-
Pseudomonas pseudoalcaligenes	SBRL Clinical archive	-	-	-
Riemerella anatipestifer	SBRL Clinical archive	-	-	-
Staphylococcus aureus	ATCC 29213	-	-	-
Sphingobacterium daecheongense	SBRL Clinical archive	-	-	-
Sphingobacterium jeonii	SBRL Clinical archive	-	-	-
Sphingobacterium mizutaii	SBRL Clinical archive	-	-	-
Sphingobacterium multivorum	ATCC 33613	-	-	-
Sphingobacterium spitivorum	ATCC 33860	-	-	-
Streptococcus pyogenes	SBRL Clinical archive	-	-	-

[a] + indicates a positive reaction with a Cq of <36

[b]- indicates a negative reaction with no significant fluorescence observed below Cq of 36 at approx. 500,000 genomic copies

* Type Strain