

Indel No.	Clone D ^a	CFT073 ^a	Lineage	type	site ^b	size	Inferred ancestral ^c	Support level ^d	ED1a	536	S88	APEC O1	UT189	E2348/69	ATCC8739	K-12	HS	SMS3-5	IAI39	E24377A	SE11	55989	IAI1	Sakai	UMN026	B4 Sb227	F5 8401	SS Ss046	D1 Sd197 B18	BS512 F2a 2457T	F2a 301			
21	-	+	CFT073	ins	1179088	1313	-	++++	/	-	/	-	-	-	/	-	/	-	/	/	/	-	/	/	/	/	/	/	-	/	/	-		
22	-	+	CFT073	ins	1199719	2416	-	++++	-	-	-	-	-	-	/	-	/	-	-	-	-	/	-	/	-	-	-	/	/	-	-	-	-	
23	-	+	CFT073	ins	1202231	711	-	++++	-	-	-	-	-	-	/	-	/	-	-	-	-	/	-	/	-	-	-	/	/	-	/	-	-	
24	-	+	CFT073	ins	1273890	711	-	++++	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25	-	+	CFT073	ins	1303018	711	-	++++	-	/	-	-	-	-	/	/	/	/	/	/	/	/	-	/	-	/	/	-	-	-	-	-	-	
26	-	+	CFT073	ins	1338505	11452	-	++++	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27	-	+	CFT073	ins	1347911	1313	-	++++	/	-	-	-	-	-	/	/	/	/	/	/	/	-	/	/	-	-	-	/	/	/	/	/	-	
28	-	+	CFT073	ins	1350800	2416	-	++++	-	-	-	-	-	/	/	/	/	/	-	/	/	-	-	-	-	-	/	/	/	/	/	/	/	
29	-	+	CFT073	ins	1361387	1313	-	++++	-	/	-	-	-	-	/	-	/	/	-	+	-	-	-	-	-	-	-	/	/	/	/	/	/	
30	-	+	CFT073	ins	1518294	711	-	++++	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
31	-	+	clone D	del	1608735	589	+	++++	+	+	+	+	+	/	+	+	+	/	/	/	/	/	/	/	/	/	-	/	/	/	/	/	/	
32	+	-	CFT073	del	1608792	441	+	++++	+	+	+	+	+	/	+	+	+	/	/	/	/	/	/	/	/	/	/	/	/	-	/	/	/	
33	-	+	CFT073	ins	1723367	996	-	++++	/	-	-	-	-	-	/	-	/	/	/	/	/	/	/	-	/	/	-	/	/	/	/	/	-	
34	+	-	CFT073	del	1758310	26	+	++++	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	/	+	/	+	/	+	+	
35	-	+	CFT073	ins	2090661	712	-	++++	-	/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
36	-	+	CFT073	ins	2173095	711	-	++++	-	-	-	-	-	/	/	/	/	/	-	/	/	-	/	/	-	/	/	/	/	/	/	/	/	/
37	-	+	clone D	del	2281154	74	+	++++	+	+	+	+	+	/	/	/	-	+	/	+	/	+	/	/	+	/	/	/	/	/	/	/	/	
38	-	+	CFT073	ins	2284297	2415	-	++++	/	-	-	-	-	/	/	/	/	-	/	-	-	-	/	/	-	-	/	/	/	/	-	/	-	
39	+	-	CFT073	del	2344530	193	+	++	+	+	-	-	+	-	-	+	/	-	/	-	-	-	+	+	-	+	-	/	/	-	-	+		
40	-	+	CFT073	ins	2406118	711	-	++++	/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
41	-	+	CFT073	ins	2421164	712	-	++++	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
42	-	+	clone D	del	2736465	115	+	++++	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
43	-	+	clone D	del	2739276	122	+	++	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	-	+	-	-	
44	-	+	CFT073	ins	2929246	106	-	++	-	+	-	-	-	-	+	+	+	-	-	+	+	+	+	+	-	-	-	-	-	-	+	-	-	
45	-	+	CFT073	ins	2955545	48433	-	++	-	-	-	-	-	/	+	-	-	-	-	-	-	-	-	-	-	-	-	/	/	-	-	-	-	

Indel No.	Clone D ^a	CFT073 ^a	Lineage	type	site ^b	size	Inferred ancestral ^c	Support level ^d	ED1a	536	S88	APEC O1	UTI89	E2348/69	ATCC8739	K-12	HS	SMS3-5	IAI39	E24377A	SE11	55989	IAI1	Sakai	UMN026	B4 Sb227	F5 8401	SS Ss046	D1 Sd197 B18	BS512	F2a 2457T	F2a 301	
71	-	+	clone D	del	4384698	373	+	++++	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+	+	
72	+	-	CFT073	del	4522479	280	+	++++	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+	+	
73	-	+	clone D	del	4522759	274	+	++++	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
74	-	+	clone D	del	4652694	43	+	++++	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+
75	-	+	CFT073	ins	4741230	52136	-	++++	-	/	/	-	/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	+	-	clone D	ins	4885076	38017	-	++++	-	-	-	-	-	-	/	-	-	-	-	-	/	-	-	-	-	-	/	-	/	-	/	-	-
77	-	+	CFT073	ins	5018007	712	-	++++	-	-	-	-	-	-	/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

^a "+" indicates the block present, "-" indicates the block absent, "/" indicates the block and nearby sequence absent.

^b Using the clone D_i2 genome as reference. For indels the base indicated is the base before the insertion or deletion.

^c Presence or absence of indel block in clone D/CFT073 ancestor as inferred from outgroup analysis.

^d Level of support for allocation of indel blocks as given in previous column

"++++" agreement is high-8 or more outgroup strains with expected type and at most 2 with the opposite, and ED1a agrees or site not present

"+++ " agreement good-4 or more outgroup strains with expected type and at most 2 with the opposite, and ED1a agrees or site not present

"++" agreement in ED1a regardless of situation with other outgroup strains

"+" no conflict but very limited support as either the block and nearby sequence absent in ED1a, and/or outgroup support less than given above

"+/-" no conflict but no support (the block and its nearby sequence not present in any outgroup OR both alternative lineages supported equally).