Phylogenetic tree with associated secretion system distribution.

Scale: 0.05 substitutions/site

Legend:
- 0 system
- 1 system
- 2+ systems

Column headers: Flagellum | T1SS | T2SS | T3SS | T4SS | T5aSS | T5bSS | T5cSS | T6SS | Nb T1SS | Nb T5aSS | Nb T5bSS | Nb T5cSS

Strain	Nb T1SS	Nb T5aSS	Nb T5bSS	Nb T5cSS	Category
E. coli K12-MG1655	0	5	0	0	Commensal
E. coli K12-W3110	0	7	0	0	
E. coli DH1-ME8569	0	10	0	0	
E. coli K12-DH1-ATCC33849	0	7	0	0	
E. coli K12-DH10B	0	6	0	0	
E. coli BW2952/MC4100	0	6	0	0	
E. coli UMNF18	1	12	0	0	IPEC
E. coli P12b	0	7	0	1	?
E. coli H10407	0	10	0	0	IPEC
E. coli UMNK88	1	8	0	0	
E. coli ColiB-REL606	0	7	0	1	Commensal
E. coli BL21(DE3)	0	8	0	1	
E. coli BL21(DE3)	0	6	0	1	
E. coli BL21-Gold(DE3)pLysS AG	0	7	0	1	
E. coli ColiC/ATCC8739/DSM 1576/Crooks	0	7	0	0	
E. coli HS	0	7	0	1	
S. boydii CDC3083-94/BS512 (serotype18)	0	5	0	1	Shigellosis
S. boydii Sb227(serotype4)	0	5	0	1	
S. sonnei Ss046	0	4	0	1	
S. sonnei 53G	0	7	0	1	
E. coli SE11	0	8	0	1	Commensal
E. coli IAI1	0	6	0	1	
E. coli KO11FL	0	8	0	1	
E. coli W-KO11FL-ATCC55124	0	6	0	1	
E. coli W-ATCC9637	0	7	0	1	
E. coli W-KO11-ATCC55124	0	8	0	1	
E. coli 2009EL-2050	1	14	0	1	IPEC
E. coli 2009EL-2071	1	13	0	1	
E. coli 2011C-3493	1	14	0	1	
E. coli 55989	0	11	0	1	
E. coli 12009	1	9	0	1	
E. coli E24377A	0	10	0	1	
E. coli 11128	1	5	0	1	
E. coli 11368	1	10	0	1	
S. flexneri 8401(serotype 5b)	0	4	0	1	Shigellosis
S. flexneri 2457T(serotype 2a)	0	6	0	1	
S. flexneri 2002017	0	10	0	1	
S. flexneri 301(serotype 2a)	0	9	0	1	
E. coli EC4115	2	8	1	3	IPEC
E. coli TW14359	2	7	1	2	
E. coli Sakai	2	10	1	2	
E. coli EDL933	2	11	1	2	
E. coli Xuzhou21	2	10	1	2	
E. coli CB9615	1	11	1	2	
E. coli RM12579	1	9	1	1	
S. dysenteriae Sd197	1	5	0	0	Shigellosis
E. coli 536	2	7	1	1	ExPEC
E. coli CFT073	3	10	0	1	
E. coli Di2	2	10	0	1	
E. coli Di14	2	10	0	1	
E. coli ABU83972	3	9	1	1	Commensal
E. coli APECO1	0	7	0	2	ExPEC
E. coli S88	1	6	0	2	
E. coli UM146	1	5	1	2	IPEC
E. coli UTI89	1	5	1	2	ExPEC
E. coli IHE3034	0	6	0	2	
E. coli ED1a	0	6	0	5	Commensal
E. coli LF82	0	5	0	1	IPEC
E. coli NRG857C	0	5	0	1	
E. coli SE15	0	7	0	1	Commensal
E. coli NA114	0	7	0	1	ExPEC
E. coli E2348/69	0	3	0	1	IPEC
E. coli SMS-35/SECEC	0	9	0	3	Commensal
E. coli CE10	1	7	0	2	
E. coli IAI39	0	6	0	1	ExPEC
E. coli UMN026	1	12	0	1	
E. coli O42	2	12	0	2	IPEC
E. fergusonii ATCC 35469	2	5	0	1	

Bootstrap/support values shown on tree nodes (in red): 100, 72, 100, 72, 100, 100, 100, 100, 100, 86, 53, 100, 65, 98, 100, 48, 100, 100, 95, 100, 100, 100, 100, 100, 67, 100, 100, 100, 58, 100, 66, 100, 100, 91, 100, 89, 100, 100. Tree clade labels: A, B1, E, B2, F, D.