Table S1. Proportion of each predictor gene by *E. coli* pathotype.

Proportion of isolates encoding gene

Gene	DEC (n=29)	Animal commensal (n=32)	Human commensal (n=67)	APEC (n=30)	NMEC (n=30)	UPEC (n=293)
vat	0.00	0.09	0.33	0.50	0.57	0.58
fyuA	0.24	0.31	0.60	0.57	0.90	0.87
chuA	0.28	0.28	0.52	0.57	0.80	0.78
yfcV	0.00	0.19	0.48	0.23	0.83	0.69

Table S2. Proportion of each predictor gene in subdivisions of the pathotypes.

	DEC			APEC			UPEC			
Gene	EPEC	ETEC	EHEC	APEC1	APEC2	APEC3	ABU	Cystitis	Comp. UTI	Pyelonephritis
vat	0.00	0.00	0.00	0.30	0.60	0.60	0.6	0.55	0.49	0.68
fyuA	0.10	0.20	0.40	0.50	0.60	0.60	0.85	0.84	0.85	0.94
chuA	0.50	0.00	0.30	0.50	0.60	0.60	0.71	0.82	0.68	0.90
yfcV	0.00	0.00	0.00	0.10	0.30	0.30	0.66	0.71	0.62	0.77