

Supplementary Table S1: Antimicrobial resistance profile for 67 *E. coli* strains isolated from urinary tract infections where blue boxes represent resistance and white boxes indicate susceptibility to the corresponding antimicrobial disk.

Isolate Code	AMC 30	CTX 30	CAZ 30	FEP 30	CIP 5	LEV 5	SXT 25	CN 10	DO 30	IPM 10	MEM 10	CT 10
EC11377	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	White	Blue	White	White
EC11998	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	Blue	Blue	White	White
EC12665	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	White	Blue	White	White
EC11994	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	White	White	White
EC11856	Blue	Blue	Blue	Blue	Blue	Blue	White	White	Blue	Blue	White	White
EC11804	Blue	Blue	Blue	Blue	Blue	Blue	White	White	White	White	White	White
EC12220	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	White
EC11443	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	Blue	Blue	Blue	Blue
EC11322	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	Blue	White	White
EC11442	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	White	White	White	White
EC11376	Blue	Blue	Blue	Blue	Blue	Blue	White	White	White	Blue	White	White
EC12181	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	White	Blue	White	White
EC11997	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	Blue	Blue	White	Blue
EC11384	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	White	Blue	White	White
EC11302	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	White	Blue	White	White
EC2031	Blue	Blue	Blue	Blue	Blue	Blue	White	White	White	White	White	White
EC11868	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	Blue	Blue	White	White
EC13070	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	Blue	White	White
EC12911	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	Blue	White	White
EC12946	Blue	Blue	Blue	Blue	Blue	Blue	White	White	Blue	Blue	Blue	White
EC12947	Blue	Blue	Blue	Blue	Blue	Blue	White	White	Blue	Blue	White	White
EC13049	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	White	Blue
EC13205	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	Blue	Blue	White	White
EC12825	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	Blue	Blue	Blue	White
EC12758	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	White	Blue	White	White
EC12665	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	White
EC15635	Blue	Blue	Blue	Blue	White	White	White	White	White	White	White	White
EC12693	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	White
EC15984	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	White	Blue	White	White
EC16073	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	White	Blue	White	White
EC12638	Blue	Blue	Blue	Blue	White	White	White	White	White	Blue	White	White
EC12572	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	White	Blue	White	White
EC13213	Blue	Blue	Blue	Blue	White	White	White	White	White	Blue	White	White
EC12330	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	White	Blue	White	White
EC12319	Blue	Blue	Blue	Blue	White	White	White	White	White	Blue	White	White
EC14051	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	White
EC16585	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	White	Blue	Blue	Blue
EC13495	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White
EC14657	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	White
EC13933	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	White
EC13791	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	White
EC14437	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	White	White	White	White
EC16726	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	White	Blue	White	White
EC13728	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	White	White	White

EC14142												
EC13655												
EC13653												
EC13325												
EC13337												
EC13502												
EC14087												
EC14439												
EC13856												
EC13798												
EC14734												
EC16342												
EC14868												
EC14866												
EC14636												
EC13589												
EC14614												
EC14149												
EC16578												
EC14721												
EC16574												
EC16710												
EC16712												

AMC: amoxicillin-clavulanate; CTX: cefotaxime; CAZ: ceftazidime; FEP: cefepime; CIP, ciprofloxacin; LEV: levofloxacin; SXT: trimethoprim-sulfamethoxazole; CN: gentamicin; DO: doxycycline; IPM: imipenem; MEM: meropenem; CT: colistin.

Supplementary Table S2: Assembly statistics generated through WGS of *E. coli* strain EC13049.

Depth of coverage	198x
Genome breadth (%)	99.8
Number of reads	4,947,285
Total length of sequences	5,553,206
Total number of contigs	300
N50 (bp)	69479
GC (%)	52.4
CDSs	4,883
5s, 16s, 23rrna	1, 1, 1