Table S1: Primers used to amplify *E. coli* virulence genes related to extra intestinal infections.

Gene	Primer sequence (5'-3')	Amplicon (bp)	Reference
papC	TGATATCACGCAGTCAGTAGC CCGGCCATATTCACATAA	501	[12]
hlyA	AACAAGGATAAGCACTGTTCTGGCT ACCATATAAGCGGTCATTCCCGTCA	1177	[13]
cnf1	AAGATGGAGTTTCCTATGCAGGAG CATTCAGAGTCCTGCCCTCATTATT	498	[13]
Sat	TGCTGGCTCTGGAGGAAC TTGAACATTCAGAGTACCGGG	667	[14]
vat	TCCTGGGACATAATGGTCAG GTGTCAGAACGGAATTG	981	[15]
iucD	TACCGGATTGTCATATGCAGACCGT AATATCTTCCTCCAGTCCGGAGAAG	602	[13]
iss1	GTGGCGAAAACTAGTAAAACAGC CGCCTCGGGGTGGATAA	760	[16]
iss2	CAGCAACCCGAACCACTTGATG AGCATTGCCAGAGCGGCAGAA	323	[17]
lrp2	AAGGATTCGCTGTTACCGGAC TCGTCGGGCAGCGTTTCTTCT	281	[18]
fyuA	GCGAC GGGAAGCGA TTTA CGCAGTAGGCACGATGTTGTA	780	[18]
usp	ACATTCACGGCAAGCCTCAG AGCGAGTTCCTGGTGAAAGC	440	[19]
neuS	TATAATTAGTAACCTGGGGC GGCGCTATTGAATAAGACTG	927	[20]
cvi/cva	TCCAAGCGGACCCCTTATAG CGCAGCATAGTTCCATGCT	598	[14]
astA	TGCCATCAACACAGTATATCC TAGGATCCTCAGGTCGCGAGTGACGGC	116	[21]
iutA	GGCTGGACATCATGGGAACTGG CGTCGGGAACGGGTAGAATCG	302	[22]
kpsMT-II	GCGCATTTGCTGATACTGTTG CATCCAGACGATAAGCATGAGCA	272	[22]
kpsMT-III	TCCTCTTGCTATTATTCCCCCT AGGCGTATCCATCCCTCCTAAC	392	[22]
crl	TTTCGATTGTCTGGCTGTATG CTTCAGATTCAGCGTCGTC	250	[23]
csgA	ACTCTGACTTGACTATTACC AGATGCAGTCTGGTCAAC	200	[22]
afaBC	GCTGGGCAGCAAACTGATAACCTC CATCAAGCTGTTTGTTCGTCCGCCG	750	[13]

hlyF	GGCCACAGTCGTTTAGGGTGCTTACC GGCGGTTTAGGCATTCCGATACTCAG	450	[24]
iroN	AATCCGGCAAAGAGACGAACCGCCT GTTCGGGCAACCCCTGCTTTGACTTT	553	[24]
ibeA	TGGAACCCGCTCGTAATATAC CTGCCTGTTCAAGCATTGCA	342	[15]
sfa	CTCCGGAGAACTGGGTGCATCTTAC CGGAGGAGTAATTACAAACCTGGCA	410	[22]
focH	ATGCGTAAATATTATCCCCTC GCCACCTGTCTGGATATAGAC	603	[7]
fimH	TGCAGAACGGATAAGCCGTGG GCAGTCACCTGCCCTCCGGTA	508	[22]
cdtB	AAATCACCAAGAATCATCCAGTTA AAATCTCCTGCAATCATCCAGTTTA	430	[22]
afa	GGCAGAGGGCCGGCAACAGGC CCCGTAACGCGCCAGCATCTC	559	[22]
papE	GCAACAGCAACGCTGGTTGCATCAT AGAGAGAGCCACTCTTATACGGACA	336	[22]

Table S2: P-values for Chi-square or Fisher exact test for prevalence of virulence gene in B2 phylotype vs. other phylotypes.

Gene	B2 vs B1	B2 vs A	B2 vs C	B2 vs D	B2 vs E	B2 vs F	Unk
papC	0,0587	0,0008	0,2215	0,4216	1	1	0,0128
focH	0,0031	0,012	0,0075	0,1892	0,6329	0,4697	0,1516
usp	0,00046	0,00013	0,0021	0,0053	0,1451	0,4545	0,0656
kpsMT2	0,00046	0,00013	0,0021	0,0053	0,0338	1	0,0656
sfa	0,0031	0,00078	0,0075	0,1892	0,3069	0,4697	0,0359
vat	0,00288	0,01833	0,0678	0,0462	0,25	1	0,5882
ibeA	0,0105	0,01833	0,0678	0,0462	0,25	1	0,5882
neuS	0,0612	0,07563	0,1779	0,1385	0,5	0,4545	1
cnf1	0,1563	0,28571	0,4348	0,3846	1	1	1