Table S1: Primers and PCR cycling conditions of this study

Target gene	Primers sequences (5' – 3')	Product (bp)	Annealing Temp.	Reference
REP-PCR	REP1R: IIIICGICGICATCIGGC	Variable	40°C	[1]
	REP2: ICGICTTATCIGGCCTAC			
eaeA	ATGCTTAGTGCTGGTTTAGG	248	51°C	[2]
	GCCTTCAT ATTTCGCTTTC			
bfpA	AATGGTGCTTGCGCTTGCTGC	326	56°C	[3]
	GCCGCTTTATCCAACCTGGTA			
stx1	ACACTGGATGATCTCAGTGG	614	60°C	
	CTGAATCCCCCTCCATTATG			
stx2	CCATGACAACGGACAGCAGTT	779	60°C	
	CCTGTCAACTGAGCAGCACTTTG			
*bla*TEM	CATTTCCGTGTCGCCCTTATTC	800	61°C	[4]
	CGTTCATCCATAGTTGCCTGAC			
*bla*OXA-1	GGCACCAGATTCAACTTTCAAG	564	61°C	
	GACCCCAAGTTTCCTGTAAGTG			
*bla*SHV	AGGATTGACTGCCTTTTTG	392	54°C	[5]
	ATTTGCTGATTTCGCTCG			
*bla*CTX-M-1	ATGTGCAGYACCAGTAARGTKATGGC	593	54°C	[6]
	TGGGTRAARTARGTSACCAGAAYCAGCGG			
*bla*IMP	CATGGTTTGGTGGTTCTTGT	488	55°C	
	ATAATTTGGCGGACTTTGGC			
*bla*VIM	AGTGGTGAGTATCCGACA	280	52°C	[4]
	ATGAAAGTGCGTGGAGAC			
*bla*NDM-1	GGCGGAATGGCTCATCACGA	287	58°C	
	CGCAACACAGCCTGACTTTC			
qnrA	ATTTCTCACGCCAGGATTTG	516	53°C	
	GATCGGCAAAGGTTAGGTCA			
qnrB	GATCGTGAAAGCCAGAAAGG	469	53°C	[7]
	ACGATGCCTGGTAGTTGTCC			
qnrS	ACGACATTCGTCAACTGCAA	417	53°C	
	TAAATTGGCACCCTGTAGGC			

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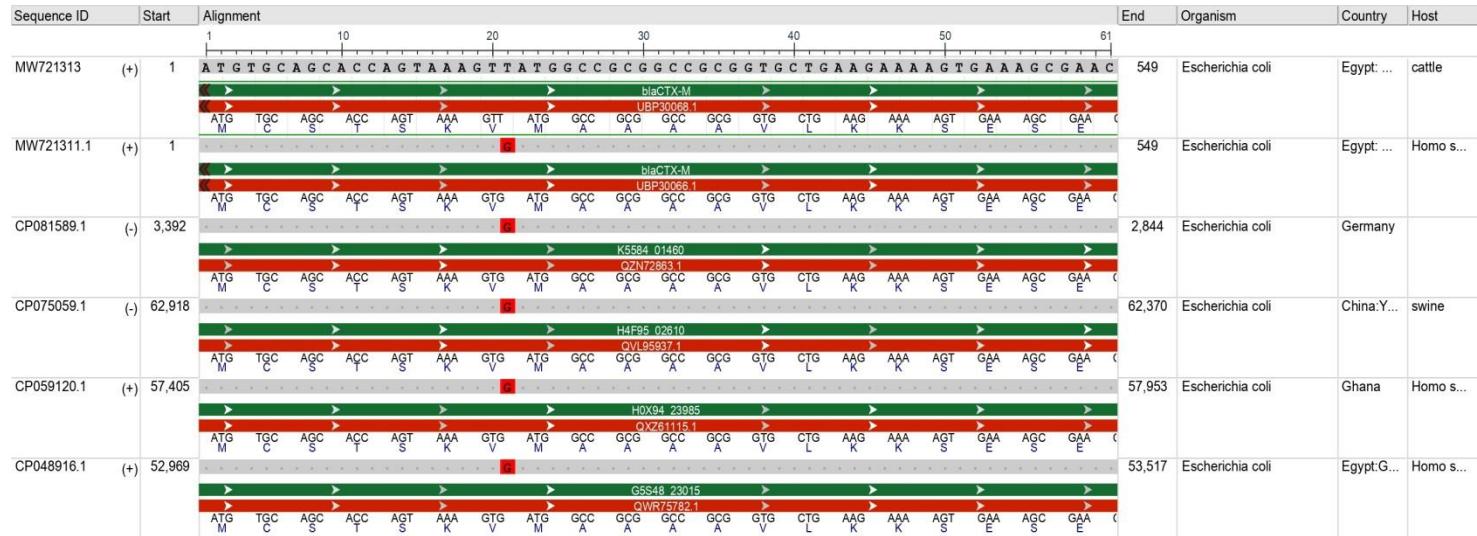
Supplementary Figures

Figure S1. Sequence alignment of *bla*CTX-M-1 gene of diarrheic calf isolate ID 2 (accession no.: MW721313) and worker isolate ID 3 (accession no.: MW721311) with *bla*CTX-M-15 gene of other *E. coli* isolates on GenBank.

* Red shadow: single nucleotide mutation (G to T at position 21).

Figure S2. Sequence alignment of *bla*SHV gene of the two diarrheic claves isolates (ID 13, MW721318 and ID 18, MW721319), and a worker isolate (ID 17, MW721320) with *bla*SHV-12 gene of other *E. coli* isolates on GenBank.