

**Supplementary Table S1.** Primers (5'→3') used to amplify target genes

No.	Genes	Forward primer	Reverse primer	Reference
1	<i>gtrII</i>	ATTGGGGGTGGTACGAT	ATCTGCAACCCAATGACGAA	This study
2	<i>gtrV</i>	TTTCATTTTCTCGCCAAGC	TCCTTCGCCAATGAAGCTAA	"
3	<i>gtrX</i>	TGGGCTGATACAGGCAACAT	CAGCCTCCCTACGGGAATAC	"
4	<i>oac</i>	ATGCATAAGAGCAACTGCTT	ACTATGAATGCTTTCCGTTT	"

**Supplementary Table S2.** The list of genes gained in strain NCCP 15744 as compared to strain 2002017

No.	Hit ID (Uniprot)	Gene product	Function
1	Q9F547_ECOLX	YdfA protein - <i>Escherichia coli</i>	Unknown
2	Q9F546_ECOLX	YdfB protein - <i>Escherichia coli</i>	Unknown
3	Q9F545_ECOLX	YdfC protein - <i>Escherichia coli</i>	Unknown
4	Q9F544_ECOLX	YdgA protein - <i>Escherichia coli</i>	Unknown
5	B1MU06_SALDU	Putative uncharacterized protein ydiA - <i>Salmonella dublin</i>	Unknown
6	Q9F542_ECOLX	YdjA protein - <i>Escherichia coli</i>	Unknown