

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: ST95 genomes used in the study

File Name: Supplementary Data 2

Description: Gene content of genomic islands (GIs) in MS7163 and UTI89

File Name: Supplementary Data 3

Description: Prevalence of cellulose disrupted mutations in most common *E. coli* STs

File Name: Supplementary Data 4

Description: Prevalence of cellulose disrupted mutations in most common *Shigella* spp. STs

File Name: Supplementary Data 5

Description: Prevalence of cellulose disrupted mutations in most common *Salmonella* spp. STs

File Name: Supplementary Data 6

Description: Strains and primers used in the study

File Name: Supplementary Data 7

Description: Accession numbers of *E. coli*, *Shigella* and *Salmonella* used in the study