

Title: Supplementary Data 1.

Description: Excel compatible CSV file containing annotations of *E. coli* genomes associated with Figure 1.

Title: Supplementary Data 2

Description: Excel compatible CSV file containing annotations of *E. coli* plasmids from the PLSDB associated with Figures 2-4.

Title: Supplementary Data 3

Description: Excel compatible CSV file containing annotations of plasmids from *Escherichia*, *Salmonella*, *Klebsiella*, *Citrobacter* and *Shigella* species associated with Figure 5