

Electronic Supplementary Information Table Captions

Table S1. Genetic elements in the natural TUs of *Escherichia coli* K-12 MG1655.

Table S2. Genetic elements in strain K-12 W3110 and BL21 (DE3) of *E. coli*, *Salmonella typhimurium* SL1344, *Pseudomonas aeruginosa* PA14 and PAO1 strains.

Table S3. Gene Sequences K-12 W3110 and BL21 (DE3) of *E. coli*, *Salmonella typhimurium* SL1344, *Pseudomonas aeruginosa* PA14 and PAO1 strains considered in this study.