

Description of Additional Supplementary Files

File name: Supplementary Data S1

Description: Oligonucleotides used during this study.

File name: Supplementary Data S2

Description: Plasmids used and generated during this study.

File name: Supplementary Data S3

Description: Strains used and generated during this study.

File name: Supplementary Data S4

Description: Bacterial genomes used for bioinformatic analysis.

File name: Supplementary Data S5

Description: Codon choice at di- and triprolyl motifs in *E. coli*

File name: Supplementary Data S6

Description: Source data underlying graphs presented in this study.