

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Cumulative number of generation over evolution cycles of biofilm and planktonic populations

File name: Supplementary Data 2

Description: Mutations identified using Breseq in end-point evolved populations at a frequency higher than 5%

File name: Supplementary Data 3

Description: Non-synonymous mutations at a frequency higher than 5% identified using Breseq in populations from different cycles of evolution

File name: Supplementary Data 4

Description: Sequenced clones from different populations from various cycles of biofilm and planktonic evolution

File name: Supplementary Data 5

Description: SbmA and FusA Sanger sequenced clones in biofilm and planktonic evolution

File name: Supplementary Data 6

Description: SbmA and FusA Sanger sequenced clones from planktonic population after concentration

File name: Supplementary Data 7

Description: List of E. coli FusA proteins and related genomes in NCBI in which a mutation was identified at the same position as one of the selected mutations in our evolutions

File name: Supplementary Data 8

Description: Raw data of the different experiments of the manuscript