Supplemental Information

Structure of the Bacterial Sex F Pilus

Reveals an Assembly of a Stoichiometric

Protein-Phospholipid Complex

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Table S1 – Oligonucleotides used in this study (related to METHODS “Construction of mutants” section).

| Purpose | Oligonucleotide name and sequence |
|---------|----------------------------------|
| Kanamycin cassette generation | TraA_KO2_F 5' – ATGAATTATCCTTTGCAAAAGGGCGGCCTCCCTG CGCCTGTAAAAACCGGATTAACCCCTCACTAAAGGGCGG TraA_KO2_R 5' – TCATTGATGAAGGTAAGACCGACGGTAGTGAAGA CGATAACCACAACCATAATACGACTCACAATAGGGCTCG |
| traA allele cloning into modified pBAD-M11 | Tra AinBAD_F 5' – CAGGAGGATTAAACCATGAATTTATCCTTTGCA AAAGG Tra AinBAD_R 5' – AGCCAAAGCTCTCTTATCATATTGATGAAGGTAAGA GACCG |
| traA mutagenesis | Y37F_F 5' – GCGATGTTCATCCGCAACAAAAGGAC Y37F_R 5' – GCGGATGAACATCGCCACACCCGAC Y37V_F 5' – GCGATGTTATCCGCAACAAAAGGAC Y37V_R 5' – GCATGATACCGCCACACCCGAC A28F_F 5' – ATCATTTTCGAACGTGATATTGTGCTGTTG A28F_R 5' – CAGTTCAAAATGATGATACATCATGACG A28N_F 5' – ATCATTAAACGACGATTGTGCTGTTG A28N_R 5' – CAGTGGTAATGATGATACATCATGACG R39E_F 5' – TATATGAAACACAAGCTATGCTGATCC R39E_R 5' – CTTGGTATGACATGACATCATGACG R39A_F 5' – TATATCGCCACCAAAGCATCTGCTGATCC R39A_R 5' – CTTGGTGGCGATATCATGACATGACGAC |