

Supplementary Information

Intramolecular donor strand complementation in the *E. coli* type 1 pilus subunit FimA explains the existence of FimA monomers as off-pathway products of pilus assembly that inhibit host cell apoptosis

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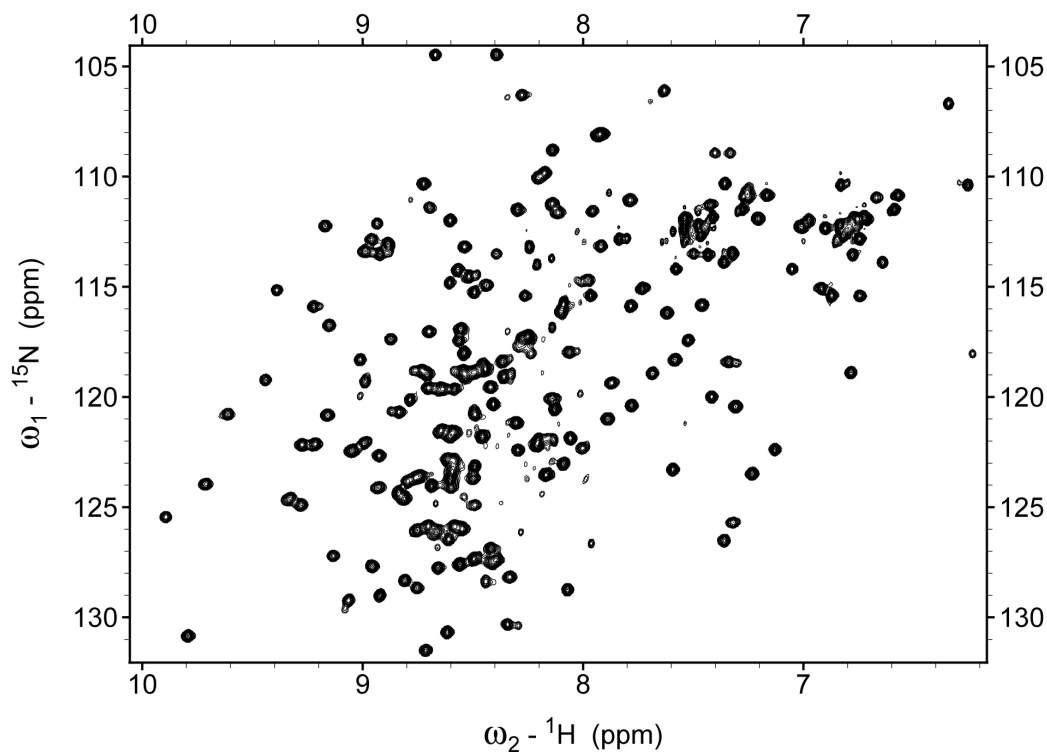


Fig. S1. Two-dimensional (2D) ^1H - ^{15}N correlation spectrum ($[^1\text{H}, ^{15}\text{N}]$ -HSQC) of 1.2 mM FimAwt at 25 °C in 90%/10% $\text{H}_2\text{O}/\text{D}_2\text{O}$ solution, 20 mM phosphate buffer, pH 7.0, measured on a Bruker 750 MHz NMR Spectrometer.

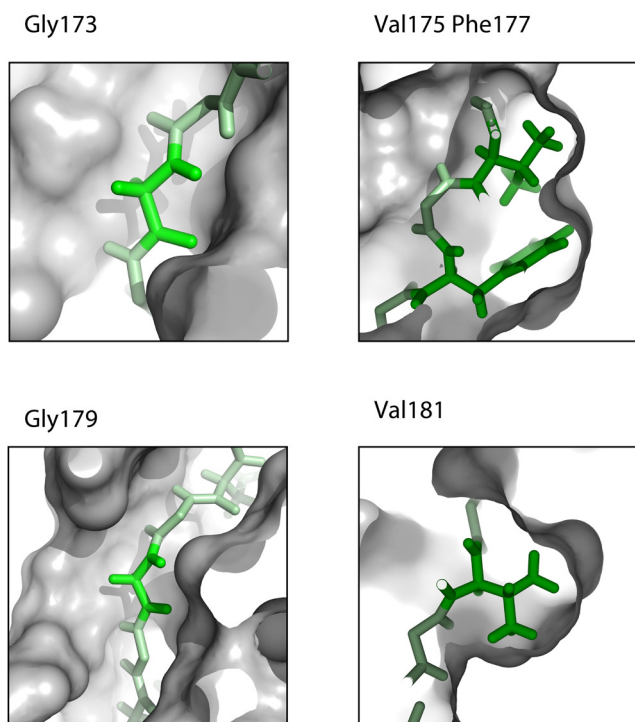


Fig. S2. Expansion of the pockets P1-P5 (see Fig. 3a and Fig. 2c) in FimAa (grey surface); the amino acid residues (stick representation) filling a particular pockets are colored deep green other residues light green. The amino acids Gly173, Val175, Phe177, Gly179 and Val181 fill the pockets P1, P2, P3, P4 and P5, respectively.

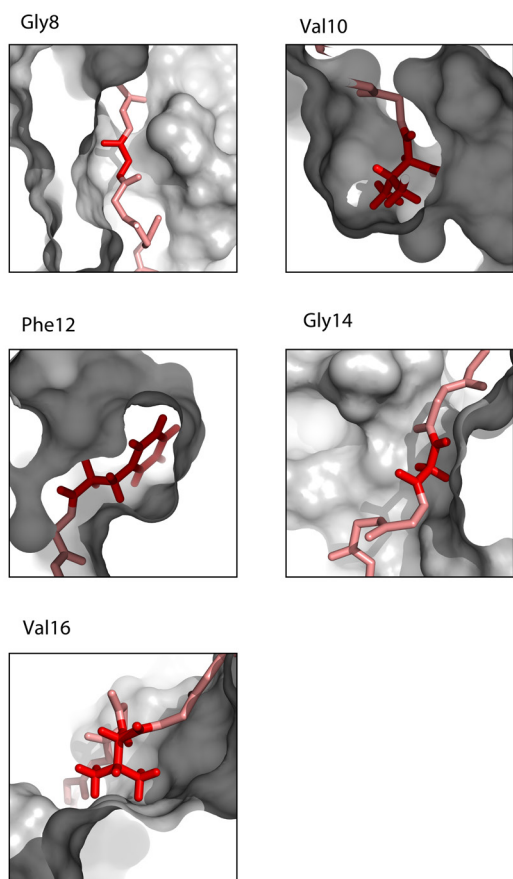


Fig. S3. Expansion of the pockets P0-P4 (see Fig. 3a and Fig. 2c) in FimA wt (grey surface); the amino acid residues (stick representation) filling a particular pockets are colored deep red other residues light red. The amino acids Val16, Gly14, Phe12, Val10, and Gly8 fill the pockets P0, P1, P2, P3 and P4, respectively.