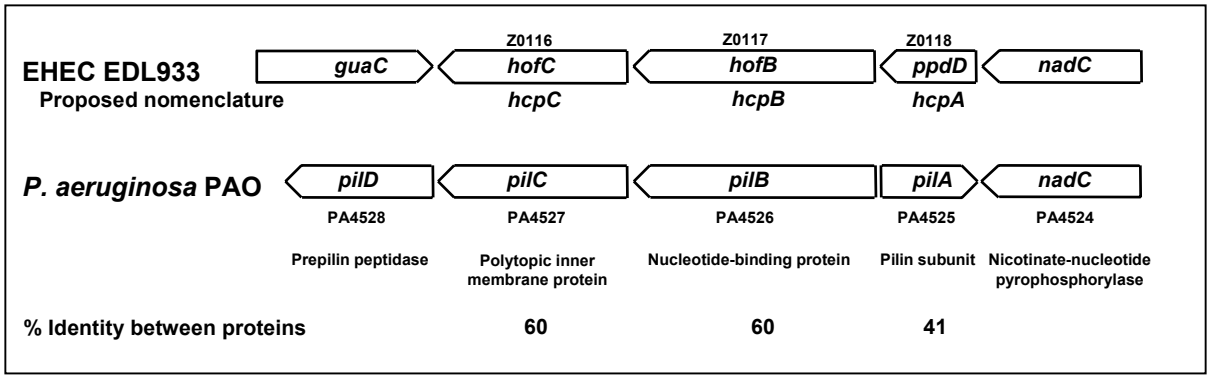
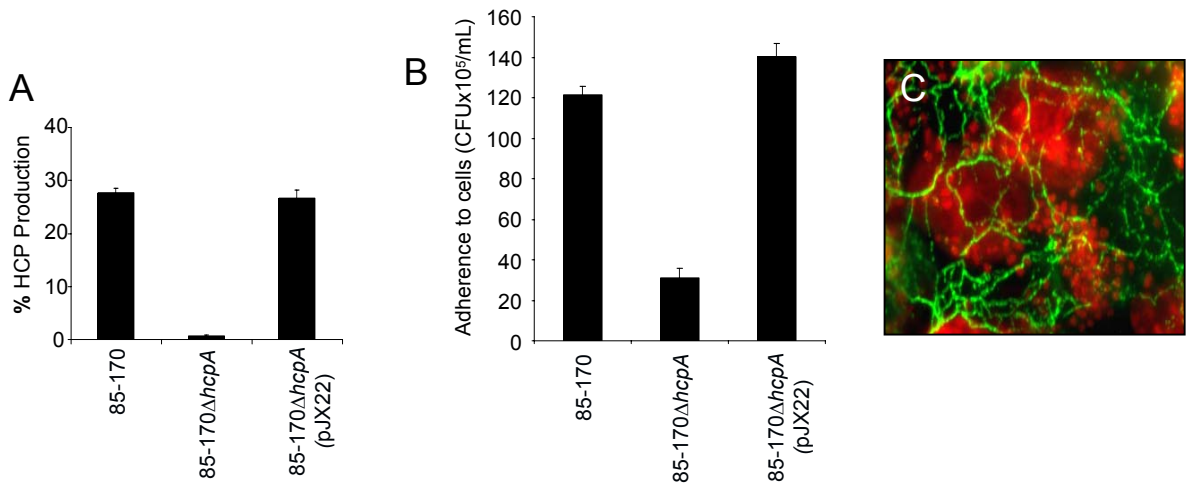
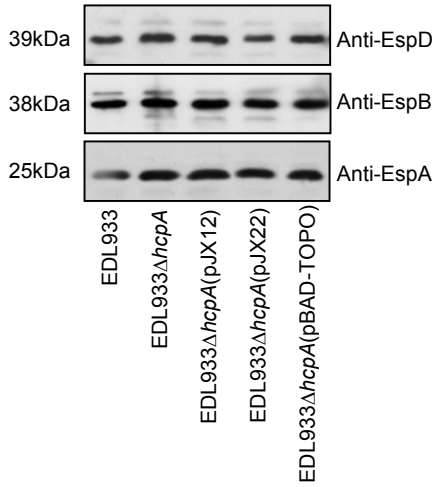


Supplemental Figure 1



Supplemental Figure 2



Supplemental Figure 3

Supplemental Figure 1

Organization of the TFP genes in EHEC O157:H7 strain EDL933. The TFP gene cluster located at 2.5 min of the EDL933 chromosome, contains the *hcpA, hcpB,* and *hcpC* genes. The product of *hcpA* is homologous to the family of class A TFP pilins (*e.g*. 41% identical to PilA of *P. aeruginosa*). Note that the *nadC* gene flanks *pilA* and *hcpA* whose orientation is different in the organisms. The predicted HcpB and HcpC are 60% identical to PilB and PilC of *P. aeruginosa*, respectively. *pilD* is missing in EDL933. The numbers above and below the open reading frames correspond to accession numbers.

Supplemental Figure 2

Production of HCP by EHEC O157:H7 strain 85-170. (**A**) Flow cytometry data showing production of HCP in 85-170 (Stx-minus) and 85-170Δ*hcpA*(pJX22) but not in the 85-170Δ*hcpA*. (**B**) Quantification of adherence of 85-170 and derivative strains to human intestinal HT-29 cells for 6 hours. The adherent bacteria are expressed as colony-forming-units (CFUs). (**C**) Immunofluorescence of HCP-producing 85-170Δ*hcpA* (pJX22) to HT-29 cells.

Supplemental Figure 3

Confirmation of production of T3SS-associated proteins. Production of EspA, EspB, and EspD was analysed by Western blotting using specific antibodies. As described in the text, the *hcpA* mutant remained capable of synthesizing these proteins and to produce AE lesions.