Supplementary Table S1: Strains and plasmids used in this study.

	Description	**Reference**
Strain		
E2348/69	EPEC serotype O127:H6	Levine et al 1978
E2348/69 *ΔgspD*	E2348/69 *ΔgspD*	Baldi et al 2012
E2348/69 *ΔsslE*	E2348/69 *ΔsslE*	Baldi et al 2012
E2348/69 *ΔyacC*	E2348/69 *ΔyacC*	This Study
E2348/69 *ΔaspS*	E2348/69 *ΔaspS*	This Study
E2348/69 *ΔgspD ΔyacC*	E2348/69 *ΔgspD ΔyacC*	This Study
E2348/69 *ΔgspD ΔaspS*	E2348/69 *ΔgspD*::Cm^r, *ΔaspS*	This Study
BL21 (DE3)	*E. coli* strain: F- *ompT hsdS*B (rB- mB-) *dcm gal* (DE3)	Invitrogen
BL21 (DE3) *ΔgspD ΔaspS*	BL21 (DE3) *ΔgspD*::Cm^r, *ΔaspS*	This Study
Rosetta (DE3)	*E. coli* strain: F- *ompT hsdS*B (rB- mB-) *dcm gal* (DE3)	Novagen
Plasmid		
pBAD24	*ori* pMB1, Amp^r	Guzman et al 1995
pET DUET-1	*ori ColE1*, *lacI* gene, Amp^r , used for assembly assays in BL21(DE3)	Novagen
pET DUET-1 GspD-C_4	E2348/69 *gspD-C4* was cloned into NcoI/HindIII sites of pET DUET-1	This Study
pET DUET-1 GspD-C_4 YacC	E2348/69 *yacC* was cloned into NdeI/XhoI sites of pET DUET-1 GspD-C_4	This Study
pET DUET-1 GspD-C_4 AspS	E2348/69 *aspS* was cloned into NdeI/XhoI sites of pET DUET-1 GspD-C_4	This Study
pFT-A	*ori* R101, *repA*101ts, flp, Amp^r	Posfai et al 1997
pGEM-T-Easy	*ori* pMB1, Amp^r	Promega
pKD3	FRT flanked Cm^r gene, Cm^r, Amp^r	Datsenko and Wanner, 2000

pKD4	FRT flanked Kan^r gene, Kan^r, Amp^r	Datsenko and Wanner, 2000
pKD46	λ Red recombinase, *ori* R101, *repA*101ts, Amp^r	Datsenko and Wanner, 2000
pJP117	E2348/69 *gspD-C4* is cloned into the *Nco*I/*Xba*I sites of pNM12 (pBAD24 modified to include MscI site). Used for assembly assays in E2348/69	This Study
pJP168	P_{BAD} promoter and *araC* replaced by P_{tetA} and *tetR*	Baldi et al 2012
pJP181	E2348/69 *gspD-C4* is cloned into the *Nco*I/*Hind*III sites of pJP168. Used for sucrose fractionation in E2348/69.	This Study
pKV1066	H10407 *yghG* was cloned into a modified pET-22b(+) vector (Novagen) to encode *pelB* periplasmic signal sequence, His_6 tag and tobacco etch virus protease cleavage site; *ori ColE1*, *lacI* gene, Amp^r; used for binding assay with the secretin S-domain	This study
pKV1111	Sequence corresponding to 60 C-terminal residues of H10407 *gspD* (S-domain) was cloned into a pET-22b(+) vector to encode a fusion with *malE* gene; *ori ColE1*, *lacI* gene, Amp^r; used for binding assay with the pilotin	This study
pKV1112	VC395_1831 from *V. cholerae* 569B (corresponds to VC1703 from *V. cholerae* O1 biovar El Tor str. N16961) was cloned into a modified pET-22b(+) vector to encode *pelB* periplasmic signal sequence, His_6 tag and tobacco etch virus protease cleavage site; *ori ColE1*, *lacI* gene, Amp^r	This study

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