

**Table S2. Strains and plasmids**

<b><u>Strains</u></b>		
<i>Strain</i>	<i>Genotype</i>	<i>Reference</i>
<b>EHEC</b>		
Wild-type (WT)	<i>E. coli</i> O157:H7 86-24 clinical isolate	(1)
$\Delta espB$ (MMC03)	isogenic <i>espB</i> deletion mutant	(2)
$\Delta espA$	isogenic <i>espA</i> deletion mutant	This study
$\Delta espD$	isogenic $\Delta espD$ deletion mutant	This study
$\Delta espP$	isogenic $\Delta espP$ deletion mutant	This study
$\Delta espB\Delta espP$	isogenic $\Delta espB\Delta espP$ deletion mutant	This study
$\Delta espA\Delta espP$	isogenic $\Delta espA\Delta espP$ deletion mutant	This study
$\Delta espD\Delta espP$	isogenic $\Delta espD\Delta espP$ deletion mutant	This study
WT <i>pbla</i>	WT 86-24 carrying <i>bla</i> :pBAD33	This study
WT <i>ptir-bla</i>	WT 86-24 carrying <i>tir-bla</i> :pBAD33	This study
$\Delta espP$ <i>pbla</i>	$\Delta espP$ 86-24 carrying <i>bla</i> :pBAD33	This study
$\Delta espP$ <i>ptir-bla</i>	$\Delta espP$ 86-24 carrying <i>tir-bla</i> :pBAD33	This study
$\Delta espB:: espB$	$\Delta espB$ complemented with <i>espB</i> ::pACYC184	This study
$\Delta espB:: espB\Delta Btsite$	$\Delta espB$ complemented with <i>espBL31A S32A</i> ::pACYC184	This study
$\Delta espB:: espB\Delta EspPsite$	$\Delta espB$ complemented with <i>espBA80G V81A</i> ::pACYC184	This study
<b><i>Bacteroides thetaiotaomicron</i> (Bt)</b>		
VPI-5482	Wild-type, Gent <sup>R</sup>	ATCC 29148
<b><i>Citrobacter rodentium</i></b>		
DBS770	Stx+ <i>C. rodentium</i>	(3)
MMC01	$\Delta escN$ isogenic deletion mutant of DBS770	(4)
<b><i>E. coli</i></b>		
MG1655	K12 <i>E. coli</i> strain	<i>E. coli</i> Genetic Stock Culture Collection; Yale University
<b><u>Plasmids</u></b>		
<i>Plasmid</i>	<i>Contents</i>	<i>Reference</i>
pKD3	$\lambda$ red template plasmid	(5)
pKD46	$\lambda$ red helper plasmid	(5)
pCP20	$\lambda$ red helper plasmid	(5)
pDP151	Constitutive mCherry expression	
pACYC184	Cloning vector	New England Biolabs
pBAD33	Cloning vector with arabinose-inducible promoter	(6)
<i>espB</i> ::pET21	<i>espB</i> from 86-24 in pET21a protein expression vector	This study
<i>espA</i> ::pET28	<i>espA</i> from 86-24 in pET28a protein expression vector	This study
<i>espD</i> ::pET21	<i>espD</i> from 86-24 in pET21a protein expression vector	This study
<i>bla</i> :pBAD33	$\beta$ -lactamase under control of pBAD promoter in pBAD33	This study
<i>tir-bla</i> :pBAD33	<i>tir</i> - $\beta$ -lactamase fusion under control of pBAD promoter in pBAD33	This study
<i>espB</i> ::pACYC184	WT <i>espB</i> under the tet promoter in pACYC184	This study
<i>espB</i> $\Delta Btsite$ ::pACYC184	<i>espB L31A S32A</i> under the tet promoter in pACYC184	This study
<i>espB</i> $\Delta EspPsite$ ::pACYC184	<i>espB A80G V81A</i> under the tet promoter in pACYC184	This study

### Supplement References

1. **Griffin PM, Ostroff SM, Tauxe RV, Greene KD, Wells JG, Lewis JH, Blake PA.** 1988. Illnesses associated with Escherichia coli O157:H7 infections. A broad clinical spectrum. *Ann Intern Med* **109**:705-712.
2. **Carlson-Banning KM, Sperandio V.** 2016. Catabolite and Oxygen Regulation of Enterohemorrhagic Escherichia coli Virulence. *MBio* **7**.
3. **Mallick EM, McBee ME, Vanguri VK, Melton-Celsa AR, Schlieper K, Karalius BJ, O'Brien AD, Butterton JR, Leong JM, Schauer DB.** 2012. A novel murine infection model for Shiga toxin-producing Escherichia coli. *J Clin Invest* **122**:4012-4024.
4. **Curtis MM, Hu Z, Klimko C, Narayanan S, Deberardinis R, Sperandio V.** 2014. The gut commensal Bacteroides thetaiotaomicron exacerbates enteric infection through modification of the metabolic landscape. *Cell Host Microbe* **16**:759-769.
5. **Datsenko KA, Wanner BL.** 2000. One-step inactivation of chromosomal genes in Escherichia coli K-12 using PCR products. *Proc Natl Acad Sci U S A* **97**:6640-6645.
6. **Guzman LM, Belin D, Carson MJ, Beckwith J.** 1995. Tight regulation, modulation, and high-level expression by vectors containing the arabinose PBAD promoter. *J Bacteriol* **177**:4121-4130.