

Table S2: Strains and Plasmids

Strains	Description	Reference
SB2201	<i>S. Typhi</i> WT ISP2825 reference strain	(1)
SB1946	<i>S. Typhi</i> <i>cdtB</i> ^{3xFlag}	(2)
SB1949	<i>S. Typhi</i> Δ <i>ttsA</i> <i>cdtB</i> ^{3xFlag}	(3)
SB3291	<i>S. Typhi</i> <i>cdtB</i> ^{sfGFP}	This study
SB1844	<i>S. Typhi</i> Δ <i>ttsA</i>	(3)
SB3245	<i>S. Typhi</i> <i>ttsA</i> ^{3xFlag}	This study
SB3296	<i>S. Typhi</i> <i>dsbD</i> ^{3xFlag}	This study
SB3204	<i>S. Typhi</i> <i>slyA</i> ^{3xFlag}	This study
SB3612	<i>S. Typhi</i> <i>ycbB</i> ^{3xFlag}	This study
SB3308	<i>S. Typhi</i> Δ <i>ycbB</i> <i>cdtB</i> ^{3xFlag}	This study
SB3304	<i>S. Typhi</i> Δ <i>erfK</i> <i>cdtB</i> ^{3xFlag}	This study
SB3306	<i>S. Typhi</i> Δ <i>ycfS</i> <i>cdtB</i> ^{3xFlag}	This study
SB3302	<i>S. Typhi</i> Δ <i>ybiS</i> <i>cdtB</i> ^{3xFlag}	This study
SB3601	<i>S. Typhi</i> Δ <i>erfK/ycfS</i> <i>cdtB</i> ^{3xFlag}	This study
SB3605	<i>S. Typhi</i> Δ <i>erfK/ycfS/ybiS</i> <i>cdtB</i> ^{3xFlag}	This study
SB3606	<i>S. Typhi</i> Δ <i>erfK/ycfS/ybiS/ycbB</i> <i>cdtB</i> ^{3xFlag}	This study
BL21 (DE3)	<i>E. coli</i> protein expression strain	Invitrogen
β -2163	<i>E. coli</i> Δ <i>nic</i> 35	(4)
Plasmids		
pSB890	R6K origin, counter selectable with sucrose, mutagenesis plasmid	(6)
pET28b	protein expression vector	Invitrogen
pSB5448	pSB890 <i>ttsA</i> ^{3xflag} to replace <i>ttsA</i> in the chromosome	This study
pSB5427	pSB890 <i>dsbD</i> ^{3xFlag} to replace <i>dsbD</i> in the chromosome	This study
pSB5097	pSB890 <i>slyA</i> ^{3xFlag} to replace <i>slyA</i> in the chromosome	This study
pSB5472	pSB890 <i>cdtB</i> ^{sfGFP} to replace <i>cdtB</i> in the chromosome	This study
pSB5903	pSB890 <i>ycbB</i> ^{3xFlag} to replace <i>ycbB</i> in the chromosome	This study
pSB4004	mcherry (<i>rpsM</i> promoter) expressing plasmid, based on low copy pWSK129 plasmid	(7)
pSB3783	pBAD24 plasmid with a tetracycline resistance cassette. Plasmid was used for trans complementation and overexpression studies	This study
pSB5904	pSB3783 <i>ycbB</i>	This study
pSB5905	pSB3783 <i>ycbB</i> ^{C528A}	This study
pSB5906	pSB3783 <i>ttsA</i>	This study
pSB5907	pSB3783 <i>ss(dsba)</i> <i>ttsA</i>	This study
pSB5908	pSB3783 <i>ss(malE)</i> <i>ttsA</i>	This study
pSB5485	pET28b <i>ttsA</i> -N term. histidin tag	This study
pSB5901	pET28b <i>ttsA</i> ^{E14A} -N term. histidin tag	This study

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