

Table S2 *E. coli* strains used in this study and their genotypes

Strain	Genotype	Construction	Reference or source
DH5a	<i>supE44 ΔlacU169 (f80lacZΔM 15)hsdR17 recA1 endA1 gyrA96 thi-1 relA1</i>		Laboratory stock
JM105	<i>endA1 supE sbcB15 thi rpsL Δ(lac-proAB)/F' [traD36 proAB⁺ lacI^q lacZ ΔM15]</i>		Laboratory stock
W3110			Laboratory stock
BW25113	<i>lacI^q rrnB_{T14} ΔlacZ_{WJ16} hsdR514 ΔaraBAD_{AH33} ΔrhaBAD_{LD78}</i>		Laboratory stock
TL84	<i>HfrC phoA8 glpD3 glpR2 relA1 spoT1 pit-10 fhuA22 ompF627 fadL701 (l) glpKⁱ plsB26 plsX50 zjb-750::Tn10</i>		(1)
MEC001	BW25113 pSTV29-plsB-p ΔplsB::kan		This study
MEC002	BW25113 ΔplsX::kan		This study
MEC003	BW25113 ΔygiH::kan		This study
MEC005	W3110 ΔplsX::kan	P1 MEC002 → W3110	This study
MEC006	W3110 ΔygiH::kan	P1 MEC003 → W3110	This study
MEC102	W3110 ΔplsX	pCP20 → MEC002	This study
MEC103	W3110 ΔygiH	pCP20 → MEC003	This study
MEC104	W3110 pSTV29		This study
MEC105	W3110 pSTV29plsB		This study
MEC106	W3110 pSTV28EcplsX		This study
MEC107	W3110 pSTV29ygiH		This study
MEC108	W3110 pSTV28BsplsX		This study
MEC109	W3110 pSTV29yneS		This study
MEC110	MEC102 pSTV29		This study
MEC111	MEC102 pSTV29plsB		This study
MEC112	MEC102 pSTV28EcplsX		This study
MEC113	MEC102 pSTV29ygiH		This study
MEC114	MEC102 pSTV28BsplsX		This study
MEC115	MEC102 pSTV29yneS		This study
MEC116	MEC103 pSTV29		This study
MEC117	MEC103 pSTV29plsB		This study
MEC118	MEC103 pSTV28EcplsX		This study
MEC119	MEC103 pSTV29ygiH		This study
MEC120	MEC103 pSTV28BsplsX		This study
MEC121	MEC103 pSTV29yneS		This study
MEC130	W3110 pSTV29 + pMW118		This study
MEC134	W3110 pSTV29 + pMW118ygiH		This study
MEC136	W3110 pSTV29 + pMW118yneS		This study
MEC137	W3110 pSTV28EcplsX + pMW118		This study
MEC139	W3110 pSTV28EcplsX + pMW118ygiH		This study
MEC140	W3110 pSTV28BsplsX + pMW118		This study
MEC142	W3110 pSTV28BsplsX + pMW118yneS		This study
MEC199	W3110 λpMC1403Pw-plsB		This study
MEC200	MEC199 ΔplsB::kan	P1 MEC001 → MEC199	This study

Table S2 *E. coli* strains used in this study and their genotypes (continued)

Strain	Genotype	Construction	Reference or source
MEC201	MEC200 Δ <i>plsB</i>	pCP20 → MEC200	This study
MEC203	MEC103 λ pMC1403 Pw- <i>plsB</i>		This study
MEC205	MEC203 Δ <i>plsB::kan</i>	P1 MEC003 → MEC203	This study
MEC212	MEC201 pSTV29 + pMW118		This study
MEC214	MEC201 pSTV29 + pMW118 <i>yneS</i>		This study
MEC218	MEC201 pSTV28 <i>BsplsX</i> + pMW118		This study
MEC220	MEC201 pSTV28 <i>BsplsX</i> + pMW118 <i>yneS</i>		This study
MEC288	W3110 pSTV29 <i>plsB26</i>		This study
MEC289	MEC102 pSTV29 <i>plsB26</i>		This study
MEC290	MEC103 pSTV29 <i>plsB26</i>		This study
MEC303	MEC102 λ pMC1403Pw- <i>EcplsX</i>		This study
MEC304	MEC102 λ pMC1403Pw- <i>ygiH</i>		This study
MEC306	MEC306 Δ <i>ygiH::kan</i>	P1 MEC003 → MEC306	This study
MEC307	MEC307 Δ <i>ygiH::kan</i>	P1 MEC003 → MEC307	This study
MEC308	W3110 λ pMC1403Pw- <i>EcplsX</i>		This study
MEC309	W3110 λ pMC1403Pw- <i>ygiH</i>		This study
MEC323	MEC205 pUC18S		This study
MEC324	MEC205 pUC18 <i>StesA</i>		This study
MEC325	MEC306 pUC18S		This study
MEC326	MEC306 pUC18 <i>StesA</i>		This study
MEC327	MEC307 pUC18S		This study
MEC328	MEC307 pUC18 <i>StesA</i>		This study

Reference

1. Larson TJ, Ludtke DN, Bell RM: **sn-Glycerol-3-phosphate auxotrophy of *plsB* strains of *Escherichia coli*: evidence that a second mutation, *plsX*, is required.** *J Bacteriol* 1984, **160**(2):711-717.