

Suppl. Table 9. All strains and plasmids used in this study.

Strains	Relevant genotype	Source
<i>E. coli</i> BW25113	<i>lacI</i> <i>q</i> <i>rrnB</i> _{T14} <i>DlacZ</i> _{W316} <i>hsdR</i> ₅₁₄ <i>D</i> (<i>araBAD</i>) _{AH33} <i>D</i> (<i>rhaBAD</i>) _{LD78}	Keio Collection(Baba <i>et al</i> , 2006)
BW25113 derivatives		
Δ <i>cobB</i>	[BW25113] <i>cobB::kan</i>	Keio Collection(Baba <i>et al</i> , 2006)
Δ <i>patZ</i>	[BW25113] <i>patZ::kan</i>	Keio Collection(Baba <i>et al</i> , 2006)
Δ <i>cobB</i> Δ <i>aceK</i>	[BW25113] <i>cobB::frt aceK::kan</i>	This study(Datsenko & Wanner, 2000)
Δ <i>patZ</i> Δ <i>aceK</i>	[BW25113] <i>patZ::frt aceK::kan</i>	This study(Datsenko & Wanner, 2000)
Δ <i>rcsB</i>	[BW25113] <i>rcsB::kan</i>	Keio Collection(Baba <i>et al</i> , 2006)
<i>E. coli</i> BL21 DE3 Δ <i>cobB</i>	F– <i>ompT</i> <i>gal</i> <i>dcm</i> <i>lon</i> <i>hsdSB</i> (rB– mB–) λ (DE3) <i>cobB::kan</i>	This study(Datsenko & Wanner, 2000)
<i>E. coli</i> DH10B	F– <i>mcrA</i> <i>D</i> (<i>mrr-hsdRMS-mcrBC</i>) <i>phi</i> :80 <i>lacZ</i> DM15 <i>DlacX</i> ₇₄ <i>recA1</i> <i>endA1</i> <i>araD</i> ₁₃₉ <i>D</i> (<i>ara</i> , <i>leu</i>) 7697 <i>galU</i> <i>galK</i> <i>l</i> – <i>rpsL</i> <i>nupG</i> Host for cloning and plasmid propagation	Invitrogen
Plasmids		
pKD13	KanR/AmpR plasmid	Yale <i>E. coli</i> Genomic Resource Center
pKD46	AmpR plasmid that shows temperature-sensitive replication and thermal induction of FLP synthesis	Yale <i>E. coli</i> Genomic Resource Center
pCP20	AmpR/CmR plasmid that shows temperature-sensitive replication and thermal induction of FLP synthesis	Yale <i>E. coli</i> Genomic Resource Center
pBAD24	AmpR Arabinose promoter.	Invitrogen
pBAD24- <i>rcsB</i>	<i>rcsB</i> gene from <i>E. coli</i> BW25113	This study
pBAD24- <i>rcsB</i> K154R	<i>rcsB</i> substitution lysine 154 by arginine	This study
pBAD24- <i>rcsB</i> K154Q	<i>rcsB</i> substitution lysine 154 by glutamine	This study
pBAD24- <i>rcsB</i> K154E	<i>rcsB</i> substitution lysine 154 by glutamic	This study
pBAD24- <i>cobB</i>	<i>cobB</i> gene from <i>E. coli</i> BW25113	This study
pBAD24- <i>cobB</i>	<i>cobB</i> substitution histidine110 by tyrosine	This study
pCA24N- <i>cobBH110Y</i>	GFP (-)	Aska library(Kitagawa <i>et al</i> , 2005)
pCA24N- <i>acs</i>	GFP (-)	Aska library(Kitagawa <i>et al</i> , 2005)
pCA24N- <i>aceA</i>	GFP (-)	Aska library(Kitagawa <i>et al</i> , 2005)