

Table EV1. Strains used in this study

Strain	Parental strain	Genotype	Source
MG1655	-	<i>Escherichia coli</i> K-12 MG1655 (F ⁻ , λ -, <i>rph</i> -1)	Lab collection
MG1655 Δ <i>hfq</i>	MG1655	Δ <i>hfq</i> :: <i>Kan</i>	(Kannaiah, Livny et al. 2019)
BL21(DE3)	-	<i>Escherichia coli</i> BL21(DE3)	(Studier; Moffatt, 1986)
BTH101	-	F', <i>cya</i> -99, <i>araD</i> 139, <i>galE</i> 15, <i>galK</i> 16, <i>rpsL</i> 1 (<i>Str</i> ^R), <i>hsdR</i> 2, <i>mcrA</i> 1, <i>mcrB</i> 1, <i>relA</i> 1	(Karimova; Gauliard; Davi; Ouellette et al., 2017)
FB76	-	<i>mreB</i> -RFP ^{sw} <i>yhd</i> <> <i>cat</i>	(Bendezú; Hale; Bernhardt; De Boer, 2009)
W3899	-	F', <i>glnX</i> 44(AS), <i>nadB</i> 7	(Romantsov; Helbig; Culham; Gill Et Al., 2007)
WC3899	W3899	<i>cls</i> :: <i>Tn10</i>	(Romantsov; Helbig; Culham; Gill Et Al., 2007)
PB103		<i>dadR trpE trpA tna</i>	(Raskin; De Boer, 1999b)
PB114	PB103	Δ <i>minCDE</i> :: <i>kan</i>	(Raskin; De Boer, 1999b)
MG1655 Δ <i>minCDE</i>	MG1655	Δ <i>minCDE</i> :: <i>kan</i>	This work
MG1655 Δ <i>minC</i>	MG1655	Δ <i>minC</i>	This work
Kti162	-	<i>rne</i> -mCherry	(Strahl; Turlan; Khalid; Bond Et Al., 2015)
N3433	-	<i>Hfr</i> (PO1), <i>lacZ</i> 43(Fs), λ -, <i>relA</i> 1, <i>spoT</i> 1, <i>thiE</i> 1	(Goldblum; Apririon, 1981)
N3431	N3433	<i>rne3071</i> (ts)	(Goldblum; Apririon, 1981)
MG1655 Δ <i>pnp</i>	MG1655	Δ <i>pnp</i> :: <i>kan</i>	This work
MG1655 Δ <i>rhlB</i>	MG1655	Δ <i>rhlB</i> :: <i>kan</i>	This work

K10	-	Hfr(PO2A), <i>garB10</i> , <i>fhuA22</i> , <i>ompF627</i> (T2R), <i>fadL701</i> (T2R), <i>rel1</i> , <i>pitA10</i> , <i>spoT1</i> , <i>rrnB-2</i> , <i>mcrB1</i> , <i>rob-1</i> , <i>creC510</i>	(Hillman; Fraenkel, 1975)
DF261	K10	<i>eno-2</i>	(Hillman; Fraenkel, 1975)
χ 1488	-	F-, <i>purE41</i> , <i>glnV42</i> (AS), λ -, <i>serC53</i> , <i>minB-2</i> , <i>his-53</i> , <i>xyl-14</i> , <i>metB65</i> , <i>cycA1</i> , <i>hsdR2</i> , <i>tte-1</i> , <i>cycB2</i> , <i>ilv-277</i>	(Lai; Nair; Phadke; Maddock, 2004)
Kti162 Δ <i>aminD</i>	Kti162	<i>rne-mCherry</i> , Δ <i>aminD</i>	This work
MG1655 CheA-YFP	MG1655	<i>cheA</i> (1-146)-myfp- <i>cheA</i> (147-end)	(Koler; Peretz; Aditya; Shimizu <i>et al.</i> , 2018)

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