Table EV2. Plasmids used in this study

Resource	Parental plasmid	Ori	Resistance	Overexpression	Source	Identifier
pCP20		pSC101	Amp, Cm		(Cherepanov; Wackernagel, 1995)	λpR–FLP λcI857^{+} RepA101(*ts*) *bla cat*
pKD46		R101	Amp		(Datsenko; Wanner, 2000)	
pKD4		R6K γ	Amp, Kan		(Datsenko; Wanner, 2000)	
pZA25-GFP		p15A	Kan	MS2-GFP	(Nevo-Dinur; Nussbaum-Shochat; Ben-Yehuda; Amster-Choder, 2011)	MS2-GFP
pEL8	pCP20	pSC101	Amp		(Libby; Ekici; Goulian, 2010)	λpR–FLP λcI857^{+} Rep^{ts} *bla*
pGSmGFP-MinD		ColE1	Amp	mGFP-MinD	Lab collection	mGFP-MinD
pVK207		pSC101	Spec	*rne-yfp*	(Khemici; Poljak; Luisi; Carpousis, 2008)	*rne-yfp*
pVK221		pSC101	Spec	*rneΔmts-yfp*	(Khemici; Poljak; Luisi; Carpousis, 2008)	*rneΔmts-yfp*
pZE12-*bglG$_{6xbs}$*	pZE12-*6xbs*	ColE1	Amp	*bglG$_{6xbs}$*	(Kannaiah, Livny et al. 2019)	*bglG$_{6xbs}$*
pZE12-*cheA$_{6xbs}$*	pZE12-*6xbs*	ColE1	Amp	*bglG$_{6xbs}$*	(Kannaiah, Livny et al. 2019)	*cheA$_{6xbs}$*
pZE12-*motA$_{6xbs}$*	pZE12-*6xbs*	ColE1	Amp	*cheA$_{6xbs}$*	(Kannaiah, Livny et al. 2019)	*motA$_{6xbs}$*
pZE12-*motB$_{6xbs}$*	pZE12-*6xbs*	ColE1	Amp	*motA$_{6xbs}$*	(Kannaiah, Livny et al. 2019)	*motB$_{6xbs}$*

pZE12-*oppC*$_{6xbs}$	pZE12-*6xbs*	ColE1	Amp	*motB*$_{6xbs}$	(Kannaiah, Livny et al. 2019)	*oppC*$_{6xbs}$
pZE12-*oppD*$_{6xbs}$	pZE12-*6xbs*	ColE1	Amp	*oppC*$_{6xbs}$	(Kannaiah, Livny et al. 2019)	*oppD*$_{6xbs}$
pZE12-*oppF*$_{6xbs}$	pZE12-*6xbs*	ColE1	Amp	*oppD*$_{6xbs}$	(Kannaiah, Livny et al. 2019)	*oppF*$_{6xbs}$
pZE12-*cspG*$_{6xbs}$	pZE12-*6xbs*	ColE1	Amp	*oppF*$_{6xbs}$	(Kannaiah, Livny et al. 2019)	*cspG*$_{6xb}$
pZE12-*proP*$_{6xbs}$	pZE12-*6xbs*	ColE1	Amp	*cspG*$_{6xb}$	(Kannaiah, Livny et al. 2019)	*proP*$_{6xbs}$
pZE12-*6xbs*	pZE12-luc	ColE1	Amp	*proP*$_{6xbs}$	(Kannaiah, Livny et al. 2019)	*6xbs*
pET15b	-	pMB1	Amp	*6xbs*	Novagen	Derivative of pET11a with N-terminal his-tag
pET15b-FLAGminD	pET15b	pMB1	Amp	FLAG-MinD	This work	
pET15b-rne$^{378-659}$	pET15b	pMB1	Amp	RNase E$^{378-659}$	This work	RNE’
pET15b-rne$^{378-659}$ΔA	pET15b	pMB1	Amp	RNase E$^{378-659}$ΔA	This work	RNE’ΔA
pKT25	-	p15A	Kan	-	(Karimova; Gauliard; Davi; Ouellette *et al.*, 2017)	T25
pUT18C	-	ColE1	Amp	-	(Karimova; Gauliard; Davi; Ouellette *et al.*, 2017)	T18
pKT25-zip	pKT25	p15A	Kan	Zip	(Karimova; Gauliard; Davi; Ouellette *et al.*, 2017)	T25-Zip

pUT18C-zip	pUT18 C	ColE1	Amp	Zip	(Karimova; Gauliard; Davi; Ouellette *et al.*, 2017)	T18-Zip
pKT25-minD	pKT25	p15A	Kan	MinD	This work	25-MinD
pUT18C-rne$^{378-659}$	pUT18 C	ColE1	Amp	RNase E$^{378-659}$	This work	T18-RNE’
pUT18C-rne$^{378-659}$ΔA	pUT18 C	ColE1	Amp	RNase E$^{378-659}$ΔA	This work	T18-RNE’ΔA
pKT25-minD^{L48R}	pKT25	p15A	Kan	MinD^{L48R}	This work	T25-MinD^{L48R}
pKT25-minD^{V147R}	pKT25	p15A	Kan	MinD^{V147R}	This work	T25-MinD^{V147R}
pKT25-minD^{L194R}	pKT25	p15A	Kan	MinD^{L194R}	This work	T25-MinD^{L194R}
pDR150	-	ColE1	Amp	MinD^{WT}	(Raskin; De Boer, 1999a)	pMinD^{WT}
pDR186	-	ColE1	Amp	MinD^{K16Q}	(Raskin; De Boer, 1999a)	pMinD^{K16Q}
pGP12-Tar-mYFP	pKG116		Amp	Tar-mYFP	(Piñas; Desantis; Parkinson, 2018)	Tar-mYFP

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