

Table S4: Primers used in this study

Primer name	Sequence	Strain/plasmid
LpxC_nativeRBS_XbaI5	CCCCTCTAGATAATTTGGCGAGATAATACGAT GATC	pPR111
lpxC_R_HindIII	TGATAAAGCTTATTATGCCAGTACAGCTGAAGG CGC	pPR111
YejMKO For	AACGAAGACAAAGCGCACTAAGGGAAACAGA TAACAGGTTGTGTAGGCTGGAGCTGCTTC	EMF25, EMF26
YejMKO Rev	GATTGCAAGTAAGATATTTTCGCTAACTGATTT ATAATTAACATATGAATATCCTCCTTAG	EMF25, EMF26
yejM_kan_seq_F	CCCAACGCCAGGCAATTG	EMF25, EMF26, EMF27, EMF28
yejM_kan_seq_R	TGCGCTACGTGCCGACTC	EMF25, EMF26, EMF27, EMF28
Kan-3' Out	TTCTATCGCCTTCTTGACGAGTTCTT	EMF25, EMF26, EMF27, EMF28
Kan-5' Out	GCTTTCTACGTGTTCCGCTTCC	EMF25, EMF26, EMF27, EMF28
LpxC_nativeRBS_XbaI5'	CCCCTCTAGATAATTTGGCGAGATAATACGAT GATC	pPR111
lpxC_R_HindIII	TGATAAAGCTTATTATGCCAGTACAGCTGAAGG CGC	pPR111
pEMF15_yejM_xbaI_F	TGGGTCTAGAGGGAAACAGATAACAGGTTAT GGTAAC	pEMF15, pEMF17, pEMF18
pEMF15_yejM_hindIII_R	CGATAAAGCTTAAGTAAGATATTTTCGCTAACTG ATTTATAATTAATC	pEMF15, pEMF17, pEMF18
pEMF16_yejM_xbaI_F	CAAATCTAGAGGGAAACAGATAACAGGTTAT GGTAAC	pEMF16
pEMF16_yejM_hindIII_R	CGATAAAGCTTAAGTAAGATATTTTCGCTAACTG ATTTATAATTAATC	pEMF16
yejM_F_gibson	GAAACAGCTATGACCATGATTACGAACTCCC GGGGATCTCGATCC	pEMF20
yejM_R_gibson	TGGTACCGTGTCGACTTACTCGAGAAGTAAG ATATTTTCGCTAACTGATTTATAATTAATC	pEMF20

xbal_phi10RBS_ yejM_F	TGGGTCTAGATTTAAGAAGGAGATATACATAT GGTAACTCATCGTCAGCGC	pEMF33, pEMF68
pEMF31_R_hindIII	CGATAAGCTTCTGATTTATAATTAATCAGTTA GCGATAAAACGCTTCTC	pEMF33
pEMF35_F	CGGTGGATCCGTA ACTCATCGTCAGCGCTAC	pEMF35, pEMF65
pEMF35_R	TGATAAGCTTATTTATAATTAATCAGTTAGCGA TAAAACGC	pEMF35
pEMF36_F	CCCCTCTAGAAATAATTTTGTTTAACTTTAAGA AGGAGATATACATATGCTGGAGTTGTTGTTTC TG	pEMF36, pEMF53
pEMF36_R	CAGAGGATCCCAGGCCATCAAGACCGCG	pEMF36
pEMF37_F	TATACATATGAAATATTTACTCATTTTCTTACT GGTGTTAG	pEMF37
pEM37_R	CAGAGGATCCTTCCTTCGCCGCTGACGAG	pEMF37
pEMF38_F	CCCCTCTAGAAATAATTTTGTTTAACTTTAAGA AGGAGATATACATATGGCGAAAACCTAATAC TCTGGC	pEMF38
pEMF38_R	GGACCCTCGAGACCAGAGGATCCCTTGTCGC CTAACTGCTCTG	pEMF38
pEMF40_R	TGATAAGCTTATTACAGGCCATCAAGACCGC	pEMF53
pEMF43_F	CCCCTCTAGATTTAAGAAGGAGATATACATAT GTATCGGATAGTTCTGGGGAAAG	pEMF43
HindIII-acpT-3'R	TACCAAGCTTATCAGTTAACTGAATCGATCCA TTGCAC	pEMF43
pEMF55_F	CGGCCTCGAGTAACTAGCAGGAGATACATAT ATGGTAACTCATCGTCAGCGC	pEMF55
pEMF55_R	TGATAAGCTTAGTCGACTTATCAGTTAGCGAT AAAACGCTTCTC	pEMF55
yejM_truncation_kan _F	ATGTGGTGTATATCTGGGCCTAAGCCAACTT CTATCGCTTGTGTAGGCTGGAGCTGCTTC	EMF68, EMF69
yejM_truncation_kan _R	GATTGCAAGTAAGATATTTGCTAACTGATTT ATAATTAACATATGAATATCCTCCTTAG	EMF68, EMF69
pEMF65_R	TGATAAGCTTATTTATAATTAATTAGGCCAG ATATACACCACAT	pEMF65, pEMF68

