

Table S1.

Primers	Sequence
MluI _yukChis	TTAACGCGTATGTCAGGTGAACAAAAATCATATTTAG
yukChis_XbaI	AATCTAGATTTGTCATCTTTTTTCTCATCTTTC
NdeI _yukChis	GGGCATATGTCAGGTGAACAAAAATCATATTTAGAAAACC
yukChis_NotI	GATGGCGGCCGCTTTGTCATCTTTTTTCTCATCTTTCTTTTCTG
NdeI_yukCstrep -	GGGCATATGTCAGGTGAACAAAAATCATATTTAGAAAACC
yukCstrep_KpnI	CCCGGTACCTTTGTCATCTTTTTTCTCATCTTTCTTTTCTG
pRSFduet_yukCA413strep	TTCTGCTTGTTTTCTTCGTCTGTTTGTGTCTG
pRSFduet_yukCA413strep	GAGTGGAGCCACCCGCAGTTC
NdeI _yukE.his	GGCATATGGCAGGATTAATTCGTGTACACCCGAAG
yukE.his_BamHI	GGGGATCCTTATCCGCGGATTTGATTTGCGATGTCTTGGTC
pCDFduet_yukBA256.his	GTGATGATGCCCTCTGTTGGTTTGATCGCTC
pCDFduet_yukBA256.his	CATCACCCTAATCGAGTCTGGTAAATACCCATACGATGTCC
Nde_yukB.HA	GGGCATATGCTGCCATTCGGCCGTAAGG
yukB.HA_XhoI	GGGCTCGAGAATCTAGCACTCTCCCTTTCAGCAGAAC
NdeI_yueB.strep	TATGATGACAGAACAACGAAAAAGCTTGATCAAG
yueB.strep_KpnI	GTACCCGCTTCATACGTTTCATCGCTTTC
NdeI_yueB.strep	TGATGACAGAACAACGAAAAAGC
YueB.strep_KpnI	CCGCTTCATACGTTTCATCGCTTTC
YukC-Y207C	GAAGCCAAAGCAAAAACATGCATACATATCCCGAGAAAG CTTTCTCGGGATATGTATGCATGTTTTTGCTTTGGCTTC
YukC-I208C	CCAAAGCAAAAACATACATGCATATATCCCGAGAAAGAAG CTTCTTTCTCGGGATATGGCAGTATGTTTTGCTTTGG
YukC-H209C	CAAAGCAAAAACATACATATGTATCCCGAGAAAGAAGTG CACTTCTTTCTCGGGATACATATGTATGTTTTGCTTTG
YukC-I210C	GCAAAAACATACATACATTGCCCGAGAAAGAAGTGGAAAC GTTCCACTTCTTTCTCGGGCAATGTATGTATGTTTTGCT
YukC-R212C	CATACATACATATCCCGTGAAGAAGTGGAAACATCC GGATGTTCCACTTCTTACCGGGATATGTATGTATG
YukC-I221C	GGAACATCCAGCGATATGCGGCCTGGGGCTCATTG CAATGAGCCCCAGGCCAATATCGCTGGATGTTCC
YukC-G222C	CATCCAGCGATATATCTGCCTGGGGCTCATTGTTTTG CAAAACAATGAGCCCCAGGCCAGATATATCGCTGGATG
YukC-L223C	CCAGCGATATATCGGCTGCGGGCTCATTGTTTTGCTTG CAAGCAAAAACAATGAGCCCCAGGCCGATATATCGCTGG
YukC-P231A	CATTGTTTTGCTTGTAGCGGCACTTATTTATTCG CGA ATA AAT AAG TGC CGC TAC AAG CAA AAC AAT G

Primers (continues)	Sequence
FG01 plasmid	
fragment Fw	ATAGGGGGGCAGGATTAATTCGTGTCACACCCGAAG
fragment Rv	ATTCGCAGCATCTCTGTACTCGGTTTGACCGTTTCTG
vector Fw	GAGATGCTGCGAAATTTGAACGCCAGCACA
vector Rv	ATCCTGCCCCCTATAGTGAGTCGTATTAATTCGCGG
FG02 plasmid	
pDR110 Fw	GAAATATTATGATACCGTTCGTATAGCATACATTATACGAAGTTATAAAT
pDR110 Rv	CAGATCCTTTACCGTTCGTATAATGTATGCTATACGAAGTTATCAGC
FG01 Fw	CGAACGGTAAAGGATCTGGTTGAATGTCAGGTGAACA
FG01 Rv	ATACGAACGGTATCATAATTTCAAGCCGGTCTCCGTTTGT

Table S1. Primers used in this study