**Supplementary file 1**

Table 1: Yeast strains used in this study

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| Strain | Relevant genotype | Source |
| W303a | MATa ade2-1 ura3-1 his3-11,15 trp1-1 leu2-3,112 can1-100 | (Rothstein, 1983) |
| yJB825 | W303ahis3::natNT2-Clb5 promoter-Clb5 N-terminus-3FLAG-yeGFP::HIS3 | This study |
| yJB878 | W303ahis3::natNT2-Clb5 promoter (-20bp)-Clb5 N-terminus-3FLAG-yeGFP::HIS3 | This study |
| yJB879 | W303a his3::natNT2- Clb5 promoter (-40bp)-Clb5 N-terminus-3FLAG-yeGFP::HIS3 | This study |
| yJB880 | W303a his3::natNT2-Clb5 promoter 3 (-60bp) -Clb5 N-terminus -3FLAG-yeGFP::HIS3 | This study |
| yJB881 | W303a his3::natNT2- Clb5 promoter (-80bp)-Clb5 N-terminus-3FLAG-yeGFP::HIS3 | This study |
| yJB827 | W303ahis3::natNT2-Clb6 promoter-Clb6 N-terminus-3FLAG-yeGFP:: HIS3 | This study |
| yJB894 | W303a his3::natNT2-Clb6 promoter (-20bp)-Clb6 N-terminus-3FLAG-yeGFP::HIS3 | This study |
| yJB895 | W303a his3::natNT2-Clb6 promoter (-40bp)-Clb6 N-terminus-3FLAG-yeGFP::HIS3 | This study |
| yJB896 | W303a his3::natNT2-Clb6 promoter (-60bp)-Clb6 N-terminus-3FLAG-yeGFP::HIS3 | This study |
| yJB897 | W303a his3::natNT2-Clb6 promoter (-80bp)-Clb6 N-terminus-3FLAG-yeGFP::HIS3 | This study |
| yJB828 | W303ahis3::natNT2-Clb1 promoter-Clb1 N-terminus-3FLAG-yeGFP::HIS3 | This study |
| yJB855 | W303a his3::natNT2-Clb1 promoter (-20bp) -Clb1 N-terminus -3FLAG-yeGFP::HIS3 | This study |
| yJB856 | W303a his3::natNT2-Clb1 promoter (-40bp) -Clb1 N-terminus -3FLAG-yeGFP::HIS3 | This study |
| yJB857 | W303a his3::natNT2-Clb1 promoter (-60bp) -Clb1 N-terminus -3FLAG-yeGFP::::HIS3 | This study |
| yJB858 | W303a his3::natNT2-Clb1 promoter (-80bp) -Clb1 N-terminus -3FLAG-yeGFP::::HIS3 | This study |
| yJB859 | W303a his3::natNT2-Clb1 promoter (-100bp) -Clb1 N-terminus -3FLAG-yeGFP::::HIS3 | This study |
| yJB860 | W303a his3::natNT2-Clb1 promoter (-150bp) -Clb1 N-terminus -3FLAG-yeGFP::::HIS3 | This study |
| yJB861 | W303a his3::natNT2-Clb1 promoter (-200bp) -Clb1 N-terminus -3FLAG-yeGFP::::HIS3 | This study |
| yJB826 | W303ahis3::natNT2-Clb2 promoter-Clb2 N-terminus-3FLAG-yeGFP::::HIS3 | This study |
| yJB848 | W303a his3::natNT2-Clb2 promoter (-20bp)-Clb2 N-terminus-3FLAG-yeGFP::::HIS3 | This study |
| yJB849 | W303a his3::natNT2-Clb2 promoter (-40bp) -Clb2 N-terminus -3FLAG-yeGFP::HIS3 | This study |
| yJB850 | W303a his3::natNT2-Clb2 promoter (-60bp) -Clb2 N-terminus -3FLAG-yeGFP::HIS3 | This study |
| yJB851 | W303a his3::natNT2-Clb2 promoter (-80bp) -Clb2 N-terminus -3FLAG-yeGFP::HIS3 | This study |
| yJB852 | W303a his3::natNT2-Clb2 promoter (-100bp) -Clb2 N-terminus -3FLAG-yeGFP::HIS3 | This study |
| yJB853 | W303a his3::natNT2-Clb2 promoter (-150bp) -Clb2 N-terminus -3FLAG-yeGFP::HIS3 | This study |
| yJB854 | W303a his3::natNT2-Clb2 promoter (-200bp) -Clb2 N-terminus -3FLAG-yeGFP::HIS3 | This study |
| yJB892 | W303a his3::natNT2- Clb1 promoter-Clb2 N-terminus-3FLAG-yeGFP::HIS3 | This study |
| yJB997 | W303a his3::natNT2- Clb1 promoter (-150bp)-Clb2 N-terminus-3FLAG-yeGFP::HIS3 | This study |
| yJB893 | W303a his3::natNT2- Clb5 promoter-Clb6 N-terminus-3FLAG-yeGFP::HIS3 | This study |
| yJB870 | W303a his3::natNT2-Sic1 promoter-Sic1 N-terminus-3FLAG-yeGFP::HIS3 | This study |
| yJB871 | W303a his3::natNT2- Sic1 promoter (-20bp)-Sic1 N-terminus-3FLAG-yeGFP::HIS3 | This study |
| yJB872 | W303a his3::natNT2- Sic1 promoter (-40bp) -Sic1 N-terminus -3FLAG-yeGFP::HIS3 | This study |
| yJB1000 | W303a his3::natNT2- Sic1 promoter (-22bp u(ATA)ATG) -Sic1 N-terminus -3FLAG-yeGFP::HIS3 | This study |
| yJB1001 | W303a his3::natNT2- Sic1 promoter (-22bp u(GTA)ATG) -Sic1 N-terminus -3FLAG-yeGFP::HIS3 | This study |
| yJB1025 | W303a his3::natNT2- Sic1 promoter (-22bp u(CTA)ATG) -Sic1 N-terminus -3FLAG-yeGFP::HIS3 | This study |
| yJB1026 | W303a his3::natNT2- Sic1 promoter (-22bp u(TTA)ATG) -Sic1 N-terminus -3FLAG-yeGFP::HIS3 | This study |
| yJB838 | W303aTRP1-Clb6 promoter-Clb6 N-terminus-9MYC-Xrs2 | This study |
| yJB839 | W303aTRP1-Clb1 promoter-Clb2 N-terminus-9MYC-Xrs2 | This study |
| yJB886 | W303aXrs2-9MYC-hphNT1 | This study |
| yJB891 | W303aNatNT2-Clb6 promoter-Clb6 N-terminus-3FLAG-Rad52 | This study |
| yJB809 | W303anatNT2-Clb1 promoter-Clb2N-terminus-3FLAG-Rad52 | This study |
| yJB808 | W303aRad52-3FLAG-natNT2 | This study |
| yJB833 | W303anatNT2-Clb6 promoter-Clb6 N-terminus-3FLAG-Fun30 | This study |
| yJB801 | W303anatNT2-Clb1 promoter-Clb2 N-terminus-3FLAG-Fun30 | This study |
| ySB758 | W303Fun30∆::kanMX4 | (Bantele et al., 2017) |
| yJB888 | W303anatNT2-Clb6 promoter-Clb6 N-terminus-3FLAG-Sgs1 | This study |
| yJB797 | W303anatNT2-Clb1 promoter-Clb2 N-terminus-3FLAG-Sgs1 | This study |
| yJB613 | W303aSgs1-3FLAG-hphNT1 | This study |
| yJB323 | W303aMms4-3FLAG-hphNT1, Mus81-9MYC-hphNT1 | This study |
| yJB489 | W303anatNT2-Clb1 promotor-Clb2 N-terminus-3FLAG -Mms4, TRP1-Clb1 promotor-Clb2 N-terminus-9MYC-Mus81 | This study |
| yJB490 | W303anatNT2-Clb5 promoter-Clb6 N-terminus-3FLAG -Mms4, TRP1-Clb5 promoter-Clb6 N-terminus-9MYC-Mus81 | This study |
| yMC9 | W303amus81∆::natNT2 | This study |
| yDG208 | W303aRAD5+ | (Princz et al., 2017) |
| yJB670 | W303 alphaRAD5+, mus81∆::natNT2 | This study |
| yDG335 | W303 aRAD5+, mus81∆::hphNT1 | This study |
| yJB517 | W303aRad5+, natNT2-Clb1 promoter-Clb2 N-terminus-3FLAG -Mms4, TRP1-Clb1 promoter-Clb2 N-terminus-9MYC-Mus81 | This study |
| yJB519 | W303aRad5+, natNT2-Clb5 promoter-Clb6 N-terminus-3FLAG -Mms4, TRP1-Clb5 promoter-Clb6 N-terminus-9MYC-Mus81 | This study |
| yJB941 | W303aRad5+, natNT2-Clb6 promoter (-80bp)-Clb6 N-terminus-3FLAG-Mms4, TRP1-Clb6 promoter (-80bp)-Clb6 N-terminus-9MYC-Mus81 | This study |
| yJB918 | W303aRad5+, TRP1-Clb1 promoter (-150bp)-Clb2 N-terminus-9MYC-Mus81, natNT2-Clb1 promoter (-150bp)-Clb2 N-terminus-3FLAG-Mms4 | This study |
| yJB1078 | W303aRad5+, mms4∆::natNT2, Ura3::Clb5 promoter-Clb6 N-terminus-3FLAG -mms4 14A::URA3, TRP1-Clb5 promoter-Clb6 N-terminus-9MYC-Mus81 | This study |
| yJB1057 | W303aRad5+, TRP1-Clb1 promoter (-150bp)-Clb2 N-terminus-9MYC-Mus81, natNT2-Clb1 promoter (-150bp)-Clb2 N-terminus-3FLAG-Mms4, leu2::Clb6 promoter (-80bp)-Clb6 N-terminus-9MYC-Mus81:.LEU2, ura3::Clb6 promoter (-80bp)-Clb6 N-terminus-3FLAG-Mms4::URA3 | This study |
| yJB694 | W303arnh1∆::HIS3, rnh201∆::LEU2 | This study |
| yJB638 | W303amus81∆::kanMX6, rnh1∆::HIS3, rnh201∆::LEU2 | This study |
| yJB639 | W303anatNT2-Clb1 promotor-Clb2 N-terminus-3FLAG-Mms4, TRP1-Clb1 promotor-Clb2 N-terminus-9MYC-Mus81, rnh1∆::HIS3, rnh201∆::LEU2 | This study |
| yJB641 | W303anatNT2-Clb5 promoter-Clb6 N-terminus-3FLAG-Mms4, TRP1-Clb5 promoter-Clb6 N-terminus-9MYC-Mus81, rnh1∆::HIS3, rnh201∆::LEU2 | This study |
| yJB920 | W303 anatNT2-Clb1 promoter (-150bp)-Clb2 N-terminus-3FLAG-Mms4, TRP1-Clb1 promoter (-150bp)-Clb2 N-terminus-9MYC-Mus81, rnh1∆::HIS3, rnh201∆::LEU2 | This study |
| yJB953 | W303anatNT2-Clb6 promoter (-80bp)-Clb6 N-terminus-3FLAG-Mms4, TRP1- Clb6 promoter (-80bp)-Clb6 N-terminus-9MYC-Mus81, rnh1∆::HIS3, rnh201∆::LEU2 | This study |
| yJB721 | W303aCir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT-ChrIV | This study |
| yJB727 | W303aCir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT -ChrIV, yen1∆::hphNT1 | This study |
| yJB745 | W303a Cir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT-ChrIV, yen1∆::hphNT1, mus81∆::natNT2 | This study |
| yJB746 | W303aCir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT-ChrIV, yen1∆::hphNT1, TRP1-Clb1 promoter-Clb2 N-terminus-9MYC-Mus81, natNT2-Clb1 promoter-Clb2 N-terminus-3FLAG-Mms4 | This study |
| yJB747 | W303a Cir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT-ChrIV, yen1∆::hphNT1, TRP1-Clb5 promoter-Clb6 N-terminus-9MYC-Mus81, natNT2-Clb5 promoter-Clb6 N-terminus-3FLAG-Mms4 | This study |
| yJB724 | W303aCir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT-ChrIV, rad52∆::HIS3 | This study |
| yJB723 | W303a Cir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT-ChrVI | This study |
| yJB728 | W303a Cir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT-ChrVI, yen1∆::hphNT1 | This study |
| yJB742 | W303a Cir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT-ChrVI, yen1∆::hphNT1, mus81∆::natNT2 | This study |
| yJB743 | W303a Cir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT-ChrVI, yen1∆::hphNT1, TRP1-Clb1 promoter-Clb2 N-terminus-9MYC-Mus81, natNT2-Clb1 promoter-Clb2 N-terminus-3FLAG-Mms4 | This study |
| yJB744 | W303a Cir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT-ChrVI, yen1∆::hphNT1, TRP1-Clb5 promoter-Clb6 N-terminus-9MYC-Mus81, natNT2-Clb5 promoter-Clb6 N-terminus-3FLAG-Mms4 | This study |
| yJB725 | W303a Cir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT-ChrVI, rad52∆::HIS3 | This study |
| yJB967 | W303a Cir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT-ChrIV, yen1∆::hphNT1, TRP1- Clb6 promoter (-80bp)-Clb6 N-terminus-9MYC-Mus81, natNT2- Clb6 promoter –(80bp)-Clb6 N-terminus-3FLAG-Mms4 | This study |
| yJB829 | W303a Cir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT-ChrIV, yen1∆::hphNT1, natNT2-Clb1 promoter (-150bp)-Clb2 N-terminus-3FLAG-Mms4, TRP1-Clb1 promoter (-150bp)-Clb2 N-terminus-9MYC-Mus81 | This study |
| yJB968 | W303a Cir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT -ChrVI,yen1∆::hphNT1, TRP1-Clb6 promoter (-80bp)-Clb6 N-terminus-9MYC-Mus81, natNT2- Clb6 promoter (-80bp)-Clb6 N-terminus-3FLAG-Mms4 | This study |
| yJB831 | W303aCir0, leu2::pGal10-FLP(H305L)::LEU2, kanMX4-FRT-ChrVI, yen1∆::hphNT1, natNT2-Clb1 promoter (-150bp)-Clb2 N-terminus-3FLAG-Mms4, TRP1-Clb1 promoter (-150bp)-Clb2 N-terminus-9MYC-Mus81 | This study |
| yJB931 | W303anatNT2-Clb6 promoter (-80bp)-Clb6 N-terminus-3FLAG-Mms4, TRP1-Clb6 promoter (-80bp)-Clb6 N-terminus-9MYC-Mus81 | This study |
| yJB764 | W303anatNT2-Clb1 promoter (-150bp)-Clb2 N-terminus-3FLAG-Mms4, TRP1-Clb1 promoter (-150bp)-Clb2 N-terminus-9MYC-Mus81 | This study |
| yJB197 | W303alphasgs1∆::natNT2 | This study |
| yJB535 | W303diploidMATa/MATalpha, ade2-n/ade2-I, his3∆::natMX4/his3∆::hphMX4, met22∆::kIURA3/MET22, LYS2/lys2∆::pGAL-IsceI | Princz et al., 2017 |
| yJB607 | W303diploidMATa/MATalpha, ade2-n/ade2-I, his3∆::natMX4/his3∆::hphMX4, met22∆::kIURA3/MET22, LYS2/ lys2::GAL-ISCEI, mus81∆::kanMX6/mus81∆::kanMX6, mms4∆::TRP1/mms4∆::TRP11 | Princz et al., 2017 |
| yJB668 | W303diploidMATa/MATalpha, ade2-n/ade2-I, his3∆::natMX4/his3∆::hphMX4, met22∆::kIURA3/MET22, LYS2/ lys2::GAL-ISCEI, TRP1-Clb2 promoter-Clb1 N-terminus-9MYC-Mus81/TRP1-Clb2 promoter-Clb1 N-terminus-9MYC-Mus81, kanMX6-Clb2 promoter-Clb1 N-terminus-3FLAG-Mms4/kanMX6-Clb2 promoter-Clb1 N-terminus-3FLAG-Mms4 | This study |
| yJB669 | W303diploidMATa/MATalpha, ade2-n/ade2-I, his3∆::natMX4/his3∆::hphMX4, met22∆::kIURA3/MET22, LYS2/ lys2::GAL-ISCEI, TRP1-Clb5 promoter-Clb6 N-terminus-9MYC-Mus81/TRP1-Clb5 promoter-Clb6 N-terminus-9MYC-Mus81, kanMX6-Clb5 promoter-Clb6 N-terminus-3FLAG-Mms4/kanMX6-Clb5 promoter-Clb6 N-terminus-3FLAG-Mms4 | This study |
| yJB1030 | W303diploidMATa/MATalpha, ade2-n/ade2-I, his3∆::natMX4/his3∆::hphMX4, met22∆::kIURA3/MET22, LYS2/ lys2::GAL-ISCEI, TRP1-Clb1 promoter (-150bp)-Clb2 N-terminus-9MYC-Mus81/ TRP1-Clb1 promoter (-150bp)-Clb2 N-terminus-9MYC-Mus81, kanMX6-Clb1 promoter (-150bp)-Clb2 N-terminus-3FLAG-Mms4/natNT2-Clb1 promoter (-150bp)-Clb2 N-terminus-3FLAG-Mms4 | This study |
| yJB1031 | W303diploidMATa/MATalpha, ade2-n/ade2-I, his3∆::natMX4/his3∆::hphMX4, met22∆::kIURA3/MET22, LYS2/ lys2::GAL-ISCEI, TRP1-Clb6 promoter (-80bp)-Clb6 N-terminus-9MYC-Mus81/TRP1-Clb6 promoter (-80bp)-Clb6 N-terminus-9MYC-Mus81, kanMX6-Clb6 promoter (-80bp)-Clb6 N-terminus-3FLAG-Mms4/natNT2-Clb6 promoter (-80bp)-Clb6 N-terminus-3FLAG-Mms4 | This study |
| yJB548 | W303aRAD5+, yen1∆::kanMX6, his3::Yen1-ON-9MYC::HIS3 | This study |
| yJB561 | W303aRAD5+, yen1∆::kanMX6, his3::Clb6 promoter-Yen1-ON-Clb6 N-terminus-9MYC::HIS3 | This study |
| yJB553 | W303aRAD5+, yen1∆::kanMX6, his3::Clb1 promoter-Yen1-ON-Clb2 N-terminus-9MYC::HIS3 | This study |
| yJB779 | W303aRAD5+, yen1∆::kanMX4, his3:: Sic1 promoter (-20bp)-Yen1-ON-Sic1 N-terminus-9MYC::HIS3 | This study |
| yJB775 | W303aRAD5+, yen1∆::kanMX4, his3::Clb6 promoter (-80bp)-Yen1-ON-Clb6 N-terminus-9MYC)::HIS3 | This study |
| yJB702 | W303aRAD5+, yen1∆:: kanMX6, his3::Clb2 promoter (-60bp)-Yen1-ON-Clb2 N-terminus-9MYC::HIS3 | This study |
| yJB1066 | W303aRAD5+, yen1∆::kanMX4, his3:: Sic1 promoter (-22bp u(ATA)ATG)-Yen1-ON-Sic1 N-terminus-9MYC::HIS3 | This study |
| yJB654 | W303aRAD5+, yen1∆::kanMX6, his3::Yen1-ON-9MYC::HIS3, mus81∆::natNT2 | This study |
| yJB659 | W303aRad5+, yen1∆::kanMX6, his3::Clb6 promoter-Yen1-ON-Clb6 N-terminus-9MYC::HIS3, mus81∆::natNT2 | This study |
| yJB657 | W303aRad5+, yen1∆::kanMX6, his3::Clb1 promoter-Yen1-ON-Clb2 N-terminus-9MYC::HIS3, mus81∆::natNT2 | This study |
| yJB936 | W303aRad5+, yen1∆::kanMX6, his3::Sic1 promoter (-20bp)-Yen1-ON-Sic1 N-terminus-9MYC::HIS3, mus81∆::natNT2 | This study |
| yJB868 | W303aRAD5+, yen1∆::kanMX6, his3::Clb6 promoter (-80bp)-Yen1-ON-Clb6 N-terminus-9MYC::HIS3, mus81∆::natNT2 | This study |
| yJB757 | W303aRAD5+, yen1∆:: kanMX6, his3::Clb2 promoter (-60bp)-Yen1-ON-Clb2 N-terminus-9MYC::HIS3, mus81∆::natNT2 | This study |
| yJB957 | W303apep4∆::LEU2, his3::Clb6-9MYC-Mus81-Gal1-10-Clb6-3FLAG-Mms4::HIS3 | This study |
| yJB958 | W303apep4∆::LEU2, his::Clb2-9MYC-Mus81-Gal1-10-Clb2-3FLAG-Mms4::HIS3 | This study |
| yLG47 | W303aPep4∆::LEU2, his::Mus81-9MYC-Gal1-10-Mms4-3FLAG::HIS3 | This study |

Table 2: Cell cycle tagging plasmids used in this study

|  |  |  |
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| **cell cycle tag (CCT)** | **plasmid number** | **description** |
| CCT\_1 | pJB138 | pYM-N31 Clb1 promoter-Clb1 N-terminus-3FLAG |
| CCT\_2 | pJB259 | pYM-N31 Clb1 promoter (-20 bp)-Clb1 N-terminus-3FLAG |
| CCT\_3 | pJB260 | pYM-N31 Clb1 promoter (-40 bp)-Clb1 N-terminus-3FLAG |
| CCT\_4 | pJB261 | pYM-N31 Clb1 promoter (-60 bp)-Clb1 N-terminus-3FLAG |
| CCT\_5 | pJB262 | pYM-N31 Clb1 promoter (-80 bp)-Clb1 N-terminus-3FLAG |
| CCT\_6 | pJB263 | pYM-N31 Clb1 promoter (-150 bp)-Clb1 N-terminus-3FLAG |
| CCT\_7 | pJB264 | pYM-N31 Clb1 promoter (-200 bp)-Clb1 N-terminus-3FLAG |
| CCT\_8 | pJB87 | pYM-N31 Clb2 promoter-Clb2 N-terminus-3FLAG |
| CCT\_9 | pJB245 | pYM-N31 Clb2 promoter (-20 bp)-Clb2 N-terminus-3FLAG |
| CCT\_10 | pJB246 | pYM-N31 Clb2 promoter (-40 bp)-Clb2 N-terminus-3FLAG |
| CCT\_11 | pJB247 | pYM-N31 Clb2 promoter (-60 bp)-Clb2 N-terminus-3FLAG |
| CCT\_12 | pJB248 | pYM-N31 Clb2 promoter (-80 bp)-Clb2 N-terminus-3FLAG |
| CCT\_13 | pJB249 | pYM-N31 Clb2 promoter (-100 bp)-Clb2 N-terminus-3FLAG |
| CCT\_14 | pJB250 | pYM-N31 Clb2 promoter (-150 bp)-Clb2 N-terminus-3FLAG |
| CCT\_15 | pJB251 | pYM-N31 Clb2 promoter (-200 bp)-Clb2 N-terminus-3FLAG |
| CCT\_16 | pJB139 | pYM-N31 Clb1 promoter-Clb2 N-terminus-3FLAG |
| CCT\_17 | yJB306 | pYM-N31 Clb1 promoter (-20 bp)-Clb2 N-terminus-3FLAG |
| CCT\_18 | yJB307 | pYM-N31 Clb1 promoter (-40 bp)-Clb2 N-terminus-3FLAG |
| CCT\_19 | yJB308 | pYM-N31 Clb1 promoter (-60 bp)-Clb2 N-terminus-3FLAG |
| CCT\_20 | yJB309 | pYM-N31 Clb1 promoter (-80 bp)-Clb2 N-terminus-3FLAG |
| CCT\_21 | yJB310 | pYM-N31 Clb1 promoter (-100 bp)-Clb2 N-terminus-3FLAG |
| CCT\_22 | yJB311 | pYM-N31 Clb1 promoter (-150 bp)-Clb2 N-terminus-3FLAG |
| CCT\_23 | yJB312 | pYM-N31 Clb1 promoter (-200 bp)-Clb2 N-terminus-3FLAG |
| CCT\_24 | pJB83 | pYM-N31 Clb5 promoter-Clb5 N-terminus-3FLAG |
| CCT\_25 | pJB238 | pYM-N31 Clb5 promoter (-20 bp)-Clb5 N-terminus-3FLAG |
| CCT\_26 | pJB239 | pYM-N31 Clb5 promoter (-40 bp)-Clb5 N-terminus-3FLAG |
| CCT\_27 | pJB240 | pYM-N31 Clb5 promoter (-60 bp)-Clb5 N-terminus-3FLAG |
| CCT\_28 | pJB241 | pYM-N31 Clb5 promoter (-80 bp)-Clb5 N-terminus-3FLAG |
| CCT\_29 | pJB122 | pYM-N31 Clb6 promoter-Clb6 N-terminus-3FLAG |
| CCT\_30 | pJB299 | pYM-N31 Clb6 promoter (-20 bp)-Clb6 N-terminus-3FLAG |
| CCT\_31 | pJB300 | pYM-N31 Clb6 promoter (-40 bp)-Clb6 N-terminus-3FLAG |
| CCT\_32 | pJB301 | pYM-N31 Clb6 promoter (-60 bp)-Clb6 N-terminus-3FLAG |
| CCT\_33 | pJB302 | pYM-N31 Clb6 promoter (-80 bp)-Clb6 N-terminus-3FLAG |
| CCT\_34 | pJB140 | pYM-N31 Clb5 promoter-Clb6 N-terminus-3FLAG |
| CCT\_35 | pJB252 | pYM-N31 Clb5 promoter (-20 bp)-Clb6 N-terminus-3FLAG |
| CCT\_36 | pJB253 | pYM-N31 Clb5 promoter (-40 bp)-Clb6 N-terminus-3FLAG |
| CCT\_38 | pJB254 | pYM-N31 Clb5 promoter (-60 bp)-Clb6 N-terminus-3FLAG |
| CCT\_39 | pJB255 | pYM-N31 Clb5 promoter (-80 bp)-Clb6 N-terminus-3FLAG |
| CCT\_40 | pJB237 | pYM-N31 Sic1 promoter-Sic1 N-terminus-3FLAG |
| CCT\_41 | pJB238 | pYM-N31 Sic1 promoter (-20 bp)-Sic1 N-terminus-3FLAG |
| CCT\_42 | pJB239 | pYM-N31 Sic1 promoter (-40 bp)-Sic1 N-terminus-3FLAG |
| CCT\_43 | pJB321 | pYM-N31 Sic1 promoter (-22 bp u(ATA)ATG)-Sic1 N-terminus-3FLAG |
| CCT\_44 | pJB322 | pYM-N31 Sic1 promoter (-22 bp u(GTA)ATG)-Sic1 N-terminus-3FLAG |
| CCT\_45 | pJB329 | pYM-N31 Sic1 promoter (-22 bp u(CTA)ATG)-Sic1 N-terminus-3FLAG |
| CCT\_46 | pJB330 | pYM-N31 Sic1 promoter (-22 bp u(TTA)ATG)-Sic1 N-terminus-3FLAG |

Table 3: Other plasmids used in this study

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| **plasmid number** | **description** |
| pJB134 | pRS303 Yen1-ON-9MYC |
| pJB154 | pRS303 Clb1 promoter-Yen1-ON-Clb2 N-terminus-9MYC |
| pJB183 | pRS303 Clb2 promoter (-60 bp)-Yen1-ON-Clb2 N-terminus-9MYC |
| pJB147 | pRS303 Clb6 promoter-Yen1-ON-Clb6 N-terminus-9MYC |
| pJB215 | pRS303 Clb6 promoter (-80bp)-Yen1-ON-Clb6 N-terminus-9MYC |
| pJB219 | pRS303 Sic1 promoter (-20 bp)-Yen1-ON-Sic1 N-terminus-9MYC |
| pJB337 | pRS303 Sic1 promoter (-22 bp u(ATA)ATG)-Yen1-ON-Sic1 N-terminus-9MYC |
| pJB164 | pRS303 Mus81-9MYC Gal1-10 Mms4-3FLAG |
| pJB295 | pRS303 Clb6 N-terminus-9MYC-Mus81 Gal1-10 Clb6 N-terminus-3FLAG-Mms4 |
| pJB296 | pRS303 Clb2 N-terminus-9MYC-Mus81 Gal1-10 Clb2 N-terminus-3FLAG-Mms4 |

**Supplementary References**

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