

Table S2. Genotypes of strains used in this study

Strain Number	Genotype
FW7228	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 rpb3::RPB3-3xFLAG::NATMX</i>
FW7220	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 rpb3::RPB3-3xFLAG::NATMX leu2::pGPD1-osTIR1::LEU2 sth1::STH1-V5-AID::KANMX6</i>
FW7232	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 rpb3::RPB3-3xFLAG::NATMX leu2::pGPD1-osTIR1::LEU2 rap1::RAP1-V5-AID::KANMX6 sth1::STH1-V5-AID::KANMX6</i>
FW7238	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 rpb3::RPB3-3xFLAG::NATMX leu2::pGPD1-osTIR1::LEU2 rap1::RAP1-V5-AID::KANMX6</i>
FW6404	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ppt1::p615-YFP-Cbf1_bs-pPPT1-mCherry::NATMX6</i>
FW6306	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 cbf1::KANMX ppt1::p615-YFP-Cbf1_bs-pPPT1-mCherry::NATMX6</i>
FW6401	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ppt1::p612-YFP-Gcn4_bs-pPPT1-mCherry::NATMX6</i>
FW6300	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 gcn4::KANMX ppt1::p612-YFP-Gcn4_bs-pPPT1-mCherry::NATMX6</i>
FW6402	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ppt1::p613-YFP-Cat8_bs-pPPT1-mCherry::NATMX6</i>
FW6302	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 cat8::KANMX ppt1::p613-YFP-Cat8_bs-pPPT1-mCherry::NATMX6</i>
FW6403	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ppt1::p614-YFP-Gal4_bs-pPPT1-mCherry::NATMX6</i>
FW6424	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 gal4::KANMX ppt1::p614-YFP-Gal4_bs-pPPT1-mCherry::NATMX6</i>
FW6405	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 ppt1::p616-YFP-Gcr1_bs-pPPT1-mCherry::NATMX6</i>
FW6315	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 gcr1::KANMX ppt1::p616-YFP-Gcr1_bs-pPPT1-mCherry::NATMX6</i>
FW6415	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 abf1::ABF1-V5-IAA7::KANMX6 leu2::pGPD1-osTIR1::LEU2 ppt1::p619-YFP-Abf1_bs-pPPT1-mCherry::NATMX6</i>

FW6411	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i> <i>reb1::REB1-V5-IAA7::KANMX6 leu2::pGPD1-osTIR1::LEU2</i> <i>ppt1::p620-YFP-Reb1_bs-pPPT1-mCherry::NATMX6</i>
FW6407	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i> <i>ppt1::p592-YFP-pPPT1-mCherry::NATMX6</i>
FW629	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i>
FW8477	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i> <i>rap1::RAP1-V5-IAA7::KANMX6 his3::pGPD1-osTIR1::HIS3</i> <i>ura3::p375::URA3</i>
FW8523	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i> <i>rap1::RAP1-V5-IAA7::KANMX6 his3::pGPD1-osTIR1::HIS3</i> <i>ura3::p704::pTDH3-dCas9-3xFLAG-ADH1term::URA3</i> <i>p692::pRS305-pSNR52-sgIRT2</i>
FW8531	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i> <i>rap1::RAP1-V5-IAA7::KANMX6 his3::pGPD1-osTIR1::HIS3</i> <i>ura3::p703::pTDH3-dCas9-Mxi1-3xFLAG-ADH1term::URA3</i> <i>p692::pRS305-pSNR52-sgIRT2</i>
FW8527	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i> <i>rap1::RAP1-V5-IAA7::KANMX6 his3::pGPD1-osTIR1::HIS3</i> <i>ura3::p703::pTDH3-dCas9-3xFLAG-ADH1term::URA3</i> <i>p705::pRS305-pSNR52-sgTEF1</i>
FW8535	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i> <i>rap1::RAP1-V5-IAA7::KANMX6 his3::pGPD1-osTIR1::HIS3</i> <i>ura3::p703::pTDH3-dCas9-Mxi1-3xFLAG-ADH1term::URA3</i> <i>p352::pRS305-pSNR52-sgTEF1</i>
FW8529	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i> <i>rap1::RAP1-V5-IAA7::KANMX6 his3::pGPD1-osTIR1::HIS3</i> <i>ura3::p703::pTDH3-dCas9-Mxi1-3xFLAG-ADH1term::URA3</i> <i>p706::pRS305-pSNR52-sgMLP1</i>