

Table S1. Strains used in this study

Strain	Relevant genotype	Source
ATY104	ATCC 201388: <i>mat a his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 YPR091c-GFP::HIS3</i>	(Huh <i>et al.</i> , 2003)
ATY192	BY4742 <i>mat α leu2Δ his3Δ ura3Δ lys1Δ</i> p413GALL1-NVJ1-mCherry-HIS3 p416GALL1-YPR091c(1-770)-GFP-URA3	this study
ATY182	W303 <i>mat a leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1</i> p416GALL1-YPR091c(1-770)-GFP-URA3	this study
ATY180	BY4741 <i>mat a leu2Δ his3Δ ura3Δ met15Δ nvj1::kanMX6</i> p416GALL1-YPR091c(1-770)-GFP-URA3	this study
ATY181	BY4741 <i>mat a leu2Δ his3Δ ura3Δ met15Δ vac8::kanMX6</i> p416GALL1-YPR091c(1-770)-GFP-URA3	this study
ATY214	BY4741 <i>mat a leu2Δ his3Δ ura3Δ met15Δ</i> p416PHO5 _{pr} -GFP-OSHI-URA3	this study
ATY183	BY4741 <i>mat a leu2Δ his3Δ ura3Δ met15Δ nvj1::kanMX6</i> p416PHO5 _{pr} -GFP-OSHI-URA3	this study
ATY187	BY4741 <i>mat a leu2Δ his3Δ ura3Δ met15Δ ypr091c::kanMX6</i> p416PHO5 _{pr} -GFP-OSHI-URA3	this study
ATY246	ATCC 201388: <i>mat a his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i> NVJ1-GFP::HIS3	(Huh <i>et al.</i> , 2003)
ATY223	ATCC 201388: <i>mat a his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i> PUS1-GFP::HIS3	(Huh <i>et al.</i> , 2003)
ATY225	ATCC 201388: <i>mat a his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i> PUS1-GFP::HIS3 <i>osh1::kanMX6</i>	this study
ATY224	ATCC 201388: <i>mat a his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i> PUS1-GFP::HIS3 <i>nvj2::kanMX6</i>	this study
ATY227	ATCC 201388: <i>mat a his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i> PUS1-GFP::HIS3 <i>erg5::kanMX6</i>	this study
WPY971	W303 <i>mat a leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1 TCB1-GFP::HIS3</i>	this study
WPY973	W303 <i>mat a leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1 TCB2-GFP::HIS3</i>	this study
WPY975	W303 <i>mat a leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1 TCB3-</i>	this study

GFP::HIS3

ATY33	W303 mat a <i>leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1</i> p416GALL1- <i>TCB2(1-1178)-GFP-URA3</i>	this study
ATY34	W303 mat a <i>leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1</i> p416GALL1- <i>TCB2(1-150)-GFP-URA3</i>	this study
ATY36	W303 mat a <i>leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1</i> p416GALL1- <i>TCB2(150-1178)-GFP-URA3</i>	this study
ATY37	W303 mat a <i>leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1</i> p416GALL1- <i>TCB2(375-1178)-GFP-URA3</i>	this study
ATY38	W303 mat a <i>leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1</i> p416GALL1- <i>TCB2(150-375)-GFP-URA3</i>	this study
ATY280	W303/BY4742 mat a/ α <i>leu2Δ/leu2Δ his3Δ/his3Δ ura3Δ/ura3Δ RTNI-</i> <i>RFP::TRP1 TCB1-GFP::HIS3</i>	this study
ATY281	W303/BY4742 mat a/ α <i>leu2Δ/leu2Δ his3Δ/his3Δ ura3Δ/ura3Δ RTNI-</i> <i>RFP::TRP1 TCB2-GFP::HIS3</i>	this study
ATY282	W303/BY4742 mat a/ α <i>leu2Δ/leu2Δ his3Δ/his3Δ ura3Δ/ura3Δ RTNI-</i> <i>RFP::TRP1 TCB3-GFP::HIS3</i>	this study
ATY200	BY4742 mat α <i>leu2Δ his3Δ ura3Δ lys1Δ</i> pRS314-SEC63-GFP-URA3	this study
ATY201	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>tcb1::kanMX6 tcb2::kanMX6 tcb3::kanMX6</i> pRS314-SEC63-GFP-URA3	this study
ATY57	W303/BY4742 mat a/ α <i>leu2Δ/leu2Δ his3Δ/his3Δ ura3Δ/ura3Δ lys1Δ/LYS1</i> <i>ade2Δ/ADE2 trp1Δ/TRP1 ssRFP-HDEL::TRP1</i> <i>SEC63-F1venus::HIS3 PMA1-F2venus::URA3</i>	this study
ATY98	W303/BY4742 mat a/ α <i>leu2Δ/leu2Δ his3Δ/his3Δ ura3Δ/ura3Δ lys1Δ/LYS1</i> <i>ade2Δ/ADE2 trp1Δ/TRP1 ssRFP-HDEL::TRP1</i> <i>SEC63(1-250)-F1venus::HIS3 PMA1-F2venus::URA3</i>	this study
ATY97	W303/BY4742 mat a/ α <i>leu2Δ/leu2Δ his3Δ/his3Δ ura3Δ/ura3Δ lys1Δ/LYS1</i> <i>ade2Δ/ADE2 trp1Δ/TRP1 ssRFP-HDEL::TRP1</i> P425GALL1-TCB2-F1venus-LEU2 PMA1-F2venus::URA3	this study
ATY54	W303/BY4742 mat a/ α <i>leu2Δ/leu2Δ his3Δ/his3Δ ura3Δ/ura3Δ lys1Δ/LYS1</i> <i>ade2Δ/ADE2 trp1Δ/TRP1 ssRFP-HDEL::TRP1</i> <i>PMA1-F1venus::HIS3 PMA1-F2venus::URA3</i>	this study
ATY18	BY4741/BY4742 mat a/ α <i>leu2Δ/leu2Δ his3Δ/his3Δ ura3Δ/ura3Δ</i> <i>lys1Δ/LYS1 met15Δ/MET15</i>	this study

	<i>SEC63-F1venus::HIS3 PMA1-F2venus::URA3</i>	
ATY234	Diploid BY4741 mat a/ α <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>tcb1::kanMX6 tcb2::kanMX6 tcb3::kanMX6</i> <i>SEC63-F1venus::HIS3 PMA1-F2venus::URA3</i>	this study
ATY196	W303 mat a <i>leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1</i> p416GALL1- <i>E-Syt1-GFP-URA3</i>	this study
ATY195	BY4742 mat α <i>leu2Δ his3Δ ura3Δ lys1Δ</i> p413GALL1- <i>NVJ1-mCherry-HIS3</i> p416GALL1- <i>HT008-GFP-URA3</i>	this study
ATY84	W303 mat a <i>leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1</i> p416GALL1- <i>TCB2(1-150/375-1178)-GFP-URA3</i>	this study
ATY182	W303 mat a <i>leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1</i> p416GALL1- <i>YPR091c-GFP-URA3</i>	this study
ATY250	W303 mat a <i>leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1</i> p416GALL1- <i>YPR091c(1-300/505-770)-GFP-URA3</i>	this study
ATY140	W303 mat a <i>leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1</i> p416GALL1- <i>MMM1-GFP-URA3</i>	this study
ATY142	W303 mat a <i>leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1</i> p416GALL1- <i>MMM1(1-190)-GFP-URA3</i>	this study
ATY127	BY4742 mat α <i>leu2Δ his3Δ ura3Δ lys1Δ</i> p416GALL1- <i>SEC63-GFP-URA3</i>	this study
ATY257	W303 mat a <i>leu2Δ his3Δ ade2Δ trp1Δ ssRFP-HDEL::TRP1</i> p416GALL1- <i>SEC63-TCB2(150-1178)-GFP-URA3</i>	this study
ATY218	BY4742 mat α <i>leu2Δ his3Δ ura3Δ lys1Δ</i> p416GALL1- <i>SEC63-MMM1(190-426)-GFP-URA3</i> P413GALL1- <i>MMM1-mCherry</i>	this study
ATY217	BY4742 mat α <i>leu2Δ his3Δ ura3Δ lys1Δ</i> p416GALL1- <i>SEC63-YPR091(40-770)-GFP-URA3</i> P413GALL1- <i>NVJ1-mCherry</i>	this study
ATY287	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> p416GALL1- <i>MBP-URA3</i>	this study
ATY288	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> p416GALL1- <i>MBP-MDM12-URA3</i>	this study
ATY290	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> p416GALL1- <i>MBP-YPR091c(300-505)-URA3</i>	this study

ATY289	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> p416GALL1-MBP-TCB2(150-375)-URA3	this study
ATY1	BY4742 mat α <i>leu2Δ his3Δ ura3Δ lys1Δ</i> p416GALL1-GFP-URA3	this study
ATY153	BY4742 mat α <i>leu2Δ his3Δ ura3Δ lys1Δ</i> p416GALL1-MMM1(190-426)-GFP-URA3	this study
ATY135	BY4742 mat α <i>leu2Δ his3Δ ura3Δ lys1Δ</i> p416GALL1-YPR091c(300-505)-GFP-URA3	this study
WPY333	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i>	(Winzeler <i>et al.</i> , 1999)
ATY109	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>tcb1::kanMX6 tcb2::kanMX6 tcb3::kanMX6</i>	this study
ATY291	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>tcb1::kanMX6</i>	(Winzeler <i>et al.</i> , 1999)
ATY292	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>tcb2::kanMX6</i>	(Winzeler <i>et al.</i> , 1999)
ATY293	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>tcb3::kanMX6</i>	(Winzeler <i>et al.</i> , 1999)
ATY294	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>Ypr091c::kanMX6</i>	(Winzeler <i>et al.</i> , 1999)
WPY267	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>mdm12::URA3</i>	J. Nunnari
CVY551	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>mdm34::kanMX6</i>	this study
ATY297	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>nvj1::kanMX6</i>	(Winzeler <i>et al.</i> , 1999)
ATY247	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>osh1::kanMX6</i>	(Winzeler <i>et al.</i> , 1999)
ATY248	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>elo3::kanMX6</i>	(Winzeler <i>et al.</i> , 1999)
ATY249	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>erg5::kanMX6</i>	(Winzeler <i>et al.</i> , 1999)
ATY298	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>Ypr091c::kanMX6</i> p416GALL1-GFP-URA3	this study
ATY299	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i>	this study

	<i>Ypr091c::kanMX6</i> p416GALL1- <i>YPR091c</i> -GFP- <i>URA3</i>	
ATY300	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>Ypr091c::kanMX6</i> p416GALL1- <i>YPR091c</i> (1-300/505-770)-GFP- <i>URA3</i>	this study
ATY254	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>mdm12::URA3</i> p413-HIS3	this study
ATY255	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>mdm12::URA3</i> p413-MDM12-HIS3	this study
ATY283	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>mdm12::URA3</i> p413-MDM12P259A-HIS3	this study
ATY284	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>mdm12::URA3</i> p413-MDM12E11R, S12A, N17E, K22D -HIS3	this study
ATY285	BY4741 mat a <i>leu2Δ his3Δ ura3Δ met15Δ</i> <i>mdm12::URA3</i> p413-MDM12L16D, L19D, I20D -HIS3	this study
