

**Table S1.** Strains and plasmids used in this study

<b>Strain name</b>	<b>Relevant genotype</b>	<b>Source</b>
FY23	<i>MATa trp1Δ63 leu2Δ1 ura3-52</i>	(Winston et al., 1995)
BY4742 (wt)	<i>MATα his3 ura3Δ0 leu2Δ0 lys2</i>	Research Genetics
<i>APQ12-GFP</i>	<i>MATa his3 ura3Δ0 leuΔ0 met15Δ0 APQ12-GFP::kan<sup>R</sup></i>	Invitrogen
<i>apq12Δ</i>	<i>MATα his3 ura3Δ0 leu2Δ0 lys2 APQ12::KAN<sup>R</sup></i>	Research Genetics
<i>arv1Δ</i>	<i>MATa his3 ura3Δ0 leu2Δ0 lys2 Avr1::KAN<sup>R</sup></i>	Research Genetics
<i>erg2Δ</i>	<i>MATa his3 ura3Δ0 leu2Δ0 lys2 Erg2::KAN<sup>R</sup></i>	Research Genetics
<i>erg3Δ</i>	<i>MATa his3 ura3Δ0 leu2Δ0 lys2 Erg3::KAN<sup>R</sup></i>	Research Genetics
<i>erg4Δ</i>	<i>MATa his3 ura3Δ0 leu2Δ0 lys2 Erg4::KAN<sup>R</sup></i>	Research Genetics
<i>erg5Δ</i>	<i>MATa his3 ura3Δ0 leu2Δ0 lys2 Erg5::KAN<sup>R</sup></i>	Research Genetics
<i>erg6Δ</i>	<i>MATa his3 ura3Δ0 leu2Δ0 lys2 Erg6::KAN<sup>R</sup></i>	Research Genetics
<i>elo1Δ</i>	<i>MATa his3 ura3Δ0 leu2Δ0 lys2 Elo1::KAN<sup>R</sup></i>	Research Genetics
<i>elo2Δ</i>	<i>MATa his3 ura3Δ0 leu2Δ0 lys2 Elo2::KAN<sup>R</sup></i>	Research Genetics
<i>elo3Δ</i>	<i>MATa his3 ura3Δ0 leu2Δ0 lys2 Elo3::KAN<sup>R</sup></i>	Research Genetics
<i>spo7Δ</i>	<i>MATa his3 ura3Δ0 leu2Δ0 lys2 Spo7::KAN<sup>R</sup></i>	Research Genetics
<i>spo14Δ</i>	<i>MATa his3 ura3Δ0 leu2Δ0 lys2 Spo14::KAN<sup>R</sup></i>	Research Genetics
<i>nem1Δ</i>	<i>MATa his3 ura3Δ0 leu2Δ0 lys2 Nem1::KAN<sup>R</sup></i>	Research Genetics
<i>mga2Δ</i>	<i>MATa his3 ura3Δ0 leu2Δ0 lys2 MGA2::KAN<sup>R</sup></i>	Research Genetics
<i>spt23Δ</i>	<i>MATa his3 ura3Δ0 leu2Δ0 lys2 SPT23::KAN<sup>R</sup></i>	Research Genetics
LGY103	<i>MATa rat7-1 his3_200 ura3-52 leu2_1</i>	(Gorsch et al., 1995)
CHY244	<i>M A T a rat7ΔN his3_200ura3-52 leu2 Itrp1Δ63</i>	(Scarcelli et al., 2007)
CSY538	<i>his3-200 leu 2Δ0 ura3-53 brr6::His NUP82-GFP::kan<sup>R</sup> pBRR6 (URA CEN)</i>	This study
CSY539	<i>his3-200 leu 2Δ0 ura3-53 brr6::His NUP60-GFP::kan<sup>R</sup> pBRR6 (URA CEN)</i>	This study

Nup60-GFP	<i>MATα his3 ura3Δ0 leuΔ0 met15Δ0 NUP60-GFP::kan<sup>R</sup></i>	Invitrogen
Nup82-GFP	<i>MATα his3 ura3Δ0 leuΔ0 met15Δ0 NUP82-GFP::kan<sup>R</sup></i>	Invitrogen
RSY3018	<i>MATα his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 met15Δ0 trp1Δ are1::kan<sup>R</sup> are2::kan<sup>R</sup></i>	This study
RSY3552	<i>MATα his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 hem1::LEU2 apq12::kan<sup>R</sup></i>	This study
RSY3786	<i>MATα ade2-1 ura3-1 his3-11,15 trp1-1 leu2-3,112 hem1::TRP1 brr6::HIS3/brr6-1(LEU2</i>	This study
RSY2033	<i>MATα his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0 hem1::LEU2</i>	(Reiner et al., 2006)
RSY3785	<i>MATα ade2-1 ura3-1 his3-11,15 trp1-1 leu2-3,112 brr6::HIS3/brr6-1(LEU2) are1::LoxP are2::LoxP</i>	This study
RSY4186	<i>MATα ade2-1 ura3-1 his3-11,15 trp1-1 leu2-3,112 brr6::HIS3/brr6-1(LEU2) pBRR6 (2μm, URA3) lro1::kan<sup>R</sup></i>	This study
RSY4183	<i>MATα ade2-1 ura3-1 his3-11,15 trp1-1 leu2-3,112 brr6::HIS3/brr6-1(LEU2) pBRR6 (2μm, URA3) lro1::kan<sup>R</sup> dga1::loxP</i>	This study
RSY4185	<i>MATα ade2-1 ura3-1 his3-11,15 trp1-1 leu2-3,112 brr6::HIS3/brr6-1(LEU2) pBRR6 (2μm, URA3) dga1::loxP</i>	This study
yDBK166	<i>MATα ade2-1 ura3-1 his3-11,15 trp1-1 leu2-3,112 brr6::HIS3/brr6-1(LEU2)</i>	(de Bruyn Kops and Guthrie, 2001)
JSy050	<i>his3 ura3Δ0 leu2Δ0 NUP82-GFP::HIS3 apq12::KAN<sup>R</sup></i>	(Scarcelli et al., 2007)
JSy068	<i>his3 ura3Δ0 leu2Δ0 NUP188-GFP::HIS3 apq12::KAN<sup>R</sup></i>	(Scarcelli et al., 2007)
MWY1	<i>MATα his3_200 ura3-52 leu2_1 trp1Δ63 BRR6::HIS3 pBRR6 (URA3/CEN)</i>	This study
MWY2	<i>MATα his3_200 ura3-52 leu2_1 trp1Δ63 BRR6::HIS3 pbrr6-1 (LEU2/CEN)</i>	This study
<b>Plasmid name</b>	<b>Description</b>	<b>Source</b>
pAPQ12	YEplac195 (2μm, URA3) with APQ12	This study
pBRR6	YEplac195 (2μm, URA3) with BRR6	This study
pbrr6-1	YCplac111 (LEU2/CEN) brr6-1	This study
pERG6-RFP	pGREG506 (URA3/CEN) with ERG6-RFP	This study
pHDEL-RFP	pGREG506 (URA3/CEN) with HDEL-RFP	This study