

Supplemental Table S1. Yeast strains used in this study

<u>Strain</u>	<u>Genotype</u>	<u>Reference</u>
CTY182	<i>MATa ura3-52 lys2-801 Dhis3-200</i>	45
CTY5-2	<i>MATa ura3-52 his3-200 trp1Δ lys2-801 sec14-3</i>	45
CTY252	<i>MATa ura3-52 sec12-4</i>	45
CTY1920	<i>Mat a, sec14-1, tlg2Δ::KanMX4, ade2-101 his3Δ-1, leu2Δ, ura3Δ</i>	30
CTY1958	<i>Mat a, sec14-1, kes1-1, ura3-52, his3-200, lys2-801, tlg2Δ::KanMX4</i>	30
BY4742	<i>MATa his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0</i>	46
SSS1	<i>MATa ade2- 1 ura3-1 his3-11,15 trp1-1 leu2-3,112 can1-100 sss1Δ::KanMX4 pJKB2</i>	40
<i>sss1-6</i>	<i>MATa ade2- 1 ura3-1 his3-11,15 trp1-1 leu2-3,112 can1-100 sss1Δ::KanMX4 pJKB16</i>	40
<i>sss1-7</i>	<i>MATa ade2- 1 ura3-1 his3-11,15 trp1-1 leu2-3,112 can1-100 sss1Δ::KanMX4 pCM205</i>	40

Supplemental Table S2. Plasmids used in this study

<u>Plasmid</u>	<u>Genotype</u>	<u>Reference</u>
pMS383	Ire1-mCherry expression plasmid	31
pRS313	YCp <i>HIS3</i>	47
pJKB2	YCp <i>SSS1 HIS3</i>	40
pJKB16	YCp <i>sss1^{P74A I75A} HIS3</i>	40
pCM205	YCp <i>sss1^{H72K} HIS3</i>	40
pUH7	<i>URA3</i> → <i>HIS3</i> marker swap plasmid	43
pCM220	YCp (<i>P_{DOX}-KES1, HIS3</i>)	This study
pCM221	YCp (<i>P_{DOX}-KES1^{Y97F}, HIS3</i>)	This study
pCM222	YCp (<i>P_{DOX}- KES1^{K109A}, HIS3</i>)	This study