

Table S1 Yeast strains used in this study

Name	Species	Genotype	Source
JRY6331	<i>S. cerevisiae</i>	<i>MATα lys2Δ0 leu2Δ0 ura3Δ0 his3Δ1</i> (BY4742)	Jef Boeke
JRY9339	<i>S. cerevisiae</i>	<i>fol3Δ::KanMX MATα lys2Δ0 leu2Δ0 ura3Δ0 his3Δ1</i>	this study
JRY0527	<i>S. cerevisiae</i>	<i>MATα met2 ade2-101 his3-200 lys2-801 ura3-52</i>	Mark Johnston
JRY9340	<i>S. cerevisiae</i>	<i>set1Δ::HIS3MX MATα lys2Δ0 leu2Δ0 ura3Δ0 his3Δ1</i>	this study
JRY9341	<i>S. cerevisiae</i>	<i>fol3Δ::KanMX set1Δ::HIS3MX MATα lys2Δ0 leu2Δ0 ura3Δ0 his3Δ1</i>	this study
JRY8879	<i>S. cerevisiae</i>	<i>sir1Δ::TRP1 hmr-a1::K.I.URA3 MATα ade2-1 leu2-3,112 his3-11 trp1-1 ura3-1</i> (W303)	Osborne, 2009
JRY9342	<i>S. cerevisiae</i>	<i>fol3Δ::KanMX sir1Δ::TRP1 dot1Δ::HIS3MX hmr-a1::K.I.URA3 MATα ade2-1 lys2 leu2-3,112 his3-11 trp1-1 ura3-1</i>	this study
JRY9343	<i>S. cerevisiae</i>	<i>fol3Δ::KanMX sir1Δ::TRP1 dot1Δ::HIS3MX hmr-a1::K.I.URA3 MATα ade2-1 lys2 leu2-3,112 his3-11 trp1-1 ura3-1</i> [pJR2541]	this study
JRY9344	<i>S. cerevisiae</i>	<i>fol3Δ::KanMX sir1Δ::TRP1 dot1Δ::HIS3MX hmr-a1::K.I.URA3 MATα ade2-1 lys2 leu2-3,112 his3-11 trp1-1 ura3-1</i> [pJR2542]	this study
JRY9345	<i>S. pombe</i>	<i>h- ura4-D18 leu1-32 his3-301 ade6-M210</i>	Zac Cande
JRY9346	<i>S. pombe</i>	<i>fol1::KanMX h- ura4-D18 leu1-32 his3-301 ade6-</i>	this study
JRY9380	<i>S. pombe</i>	<i>met6::loxP h- ura4-M190T leu1-32</i>	Fujita, 2006
JRY9381	<i>S. cerevisiae</i>	<i>fol3Δ::KanMX SET1-TAP::his3MX MATα lys2Δ0 leu2Δ0 ura3Δ0 his3Δ1</i>	this study
JRY9382	<i>S. cerevisiae</i>	<i>fol3Δ::KanMX DOT1-TAP::his3MX MATα lys2Δ0 leu2Δ0 ura3Δ0 his3Δ1</i>	this study