

Supplemental Table 1. Yeast strains used in this study

Strain	Nuclear genotype	Mitochondrial genotype	Source
OP11c-55R5	<i>MATa leu2 ura3 trp1</i>	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	Ling <i>et al.</i> (38)
OP11c-55R5/pVT100U	<i>MATa leu2 ura3 trp1</i> pVT100U (URA3)	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	This study
OP11c-55R5/pVT100U-mtTomato	<i>MATa leu2 ura3 trp1</i> pVT100U (mtTomato, URA3)	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	This study
OP11c-55R5/pVT100U-RNR1	<i>MATa leu2 ura3 trp1</i> pVT100U (RNR1, URA3)	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	This study
OP11c-55R5/pVT100U- <i>rnr1</i> -Y629C	<i>MATa leu2 ura3 trp1</i> pVT100U (<i>rnr1</i> , URA3)	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	This study
OP11c-55R5/pVT100U-SML1	<i>MATa leu2 ura3 trp1</i> pVT100U (SML1, URA3)	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	This study
OP11c-55R5 Δ <i>sml1</i> /pVT100U	<i>MATa leu2 ura3 trp1 sml1::KAN</i> pVT100U (URA3)	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	This study
OP11c-55R5 Δ <i>sml1</i> /pVT100U-mtTomato	<i>MATa leu2 ura3 trp1 sml1::KAN</i> pVT100U (mtTomato, URA3)	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	This study
OP11c-55R5 Δ <i>sml1</i> /pVT100U-RNR1	<i>MATa leu2 ura3 trp1 sml1::KAN</i> pVT100U (RNR1, URA3)	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	This study
OP11c-55R5 Δ <i>sml1</i> /pVT100U- <i>rnr1</i> -Y629C	<i>MATa leu2 ura3 trp1 sml1::KAN</i> pVT100U (<i>rnr1</i> , URA3)	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	This study
OP11c-55R5 Δ <i>din7</i>	<i>MATa leu2 ura3 trp1 din7::URA3</i>	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	This study
OP11c-55R5 Δ <i>din7</i> Δ <i>rrm3</i>	<i>MATa leu2 ura3 trp1 din7::URA3 rrm3::KAN</i>	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	This study
OP11c-55R5 Δ <i>din7</i> Δ <i>sml1</i>	<i>MATa leu2 ura3 trp1 din7::URA3 sml1::KAN</i>	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	This study
OP11c-55R5 Δ <i>rrm3</i>	<i>MATa leu2 ura3 trp1 rrm3::KAN</i>	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	This study
OP11c-55R5 Δ <i>sml1</i>	<i>MATa leu2 ura3 trp1 sml1::KAN</i>	$[\rho^+ \omega^- \text{ens2 Oli}_1^R]$	This study
YKN1423A-1	<i>MATa leu2 ura3 met3</i>	[HS ρ^-]	Ling <i>et al.</i> (13)
YKN1423A-1 Δ <i>sml1</i>	<i>MATa leu2 ura3 met3 sml1::KAN</i>	[HS ρ^-]	This study
YKN1423A-2	<i>MATa leu2 ura3 met3</i>	Normal suppressive [ρ^-]	Ling <i>et al.</i> (13)
YKN1423A-2 Δ <i>sml1</i>	<i>MATa leu2 ura3 met3 sml1::KAN</i>	Normal suppressive [ρ^-]	This study
YKN1423C-1	<i>MATa leu2 ura3 met3</i>	[HS ρ^-]	Ling <i>et al.</i> (13)
YKN1423C-1/pVT100U	<i>MATa leu2 ura3 met3</i> pVT100U (URA3)	[HS ρ^-]	This study
YKN1423C-1/pVT100U-mtGFP	<i>MATa leu2 ura3 met3</i> pVT100U (mtGFP, URA3)	[HS ρ^-]	This study
YKN1423C-1/pVT100U-RNR1	<i>MATa leu2 ura3 met3</i> pVT100U (RNR1, URA3)	[HS ρ^-]	This study
YKN1423C-1/pVT100U- <i>rnr1</i> -Y629C	<i>MATa leu2 ura3 met3</i> pVT100U (<i>rnr1</i> , URA3)	[HS ρ^-]	This study
YKN1423C-1 Δ <i>sml1</i> /pVT100U	<i>MATa leu2 ura3 met3 sml1::KAN</i> pVT100U (URA3)	[HS ρ^-]	This study
YKN1423C-1 Δ <i>sml1</i> /pVT100U-mtGFP	<i>MATa leu2 ura3 met3 sml1::KAN</i> pVT100U (mtGFP, URA3)	[HS ρ^-]	This study
YKN1423C-1 Δ <i>sml1</i> /pVT100U-RNR1	<i>MATa leu2 ura3 met3 sml1::KAN</i> pVT100U (RNR1, URA3)	[HS ρ^-]	This study
YKN1423C-1 Δ <i>sml1</i> /pVT100U- <i>rnr1</i> -Y629C	<i>MATa leu2 ura3 met3 sml1::KAN</i> pVT100U (<i>rnr1</i> , URA3)	[HS ρ^-]	This study
YKN1423C-1 Δ <i>din7</i>	<i>MATa leu2 ura3 met3 din7::URA3</i>	[HS ρ^-]	This study
YKN1423C-1 Δ <i>din7</i> Δ <i>rrm3</i>	<i>MATa leu2 ura3 met3 din7::URA3 rrm3::KAN</i>	[HS ρ^-]	This study
YKN1423C-1 Δ <i>din7</i> Δ <i>sml1</i>	<i>MATa leu2 ura3 met3 din7::URA3 sml1::KAN</i>	[HS ρ^-]	This study
YKN1423C-1 Δ <i>rrm3</i>	<i>MATa leu2 ura3 met3 rrm3::KAN</i>	[HS ρ^-]	This study
YKN1423C-1 Δ <i>sml1</i>	<i>MATa leu2 ura3 met3 sml1::KAN</i>	[HS ρ^-]	This study
W303a-187	<i>MATa ade2 leu2 his3 ura3 trp1 can1</i>	$[\rho^+ \omega^- \text{ens2 Chl}_{321}^R]$	Ling <i>et al.</i> (12)
IL166-5bp ⁰	<i>MATa his1 trp1 can1</i>	$[\rho^0]$	Derived from IL166-187 by EtBr treatment