

Table S1. Yeast strains used in this study

Name	Genotype
WS	<i>MATa-inc ade2-1 can1-100 his3-11,15 leu2Δ::SFA1 trp1-1 ura3-1 ade3::GAL-HO</i>
OS350	<i>MATa-inc ade2-1 can1-100 his3-11,15 leu2Δ::SFA1 trp1-1 ura3-1 ade3::GAL-HO ACT1Δi ChrIII-GAL1p::leu2Δ3'::ACT1-iΔ3'::Sμ350::URA3 ChrXV-HYG::HO::ACT1-iΔ5'::leu2Δ5'</i>
OS350r	<i>MATa-inc ade2-1 can1-100 his3-11,15 leu2Δ::SFA1 trp1-1 ura3-1 ade3::GAL-HO ACT1Δi ChrIII-GAL1p::leu2Δ3'::ACT1-iΔ3'::Sμ350rev::URA3 ChrXV-HYG::HO::ACT1-iΔ5'::leu2Δ5'</i>
OWS	<i>MATa-inc ade2-1 can1-100 his3-11,15 leu2Δ::SFA1 trp1-1 ura3-1 ade3::GAL-HO ACT1Δi ChrIII-GAL1p::leu2Δ3'::ACT1-iΔ3'::URA3 ChrXV-HYG::HO::ACT1-iΔ5'::leu2Δ5'</i>
OMYC	<i>MATa-inc ade2-1 can1-100 his3-11,15 leu2Δ::SFA1 trp1-1 ura3-1 ade3::GAL-HO ACT1Δi ChrIII-GAL1p::leu2Δ3'::ACT1-iΔ3'::MYC::URA3 ChrXV-HYG::HO::ACT1-iΔ5'::leu2Δ5'</i>
OS350h	<i>MATa-inc ade2-1 can1-100 his3-11,15 leu2Δ::SFA1 trp1-1 ura3-1 ade3::GAL-HO ACT1Δi ChrIII-GAL1p::leu2Δ3'::ACT1-iΔ3'::Sμ350::URA3 ChrXV-HYG::HO::ACT1-iΔ5'::leu2Δ5' hpr1Δ::kanMX4</i>
OMYCh	<i>MATa-inc ade2-1 can1-100 his3-11,15 leu2Δ::SFA1 trp1-1 ura3-1 ade3::GAL-HO ACT1Δi ChrIII-GAL1p::leu2Δ3'::ACT1-iΔ3'::MYC::URA3 ChrXV-HYG::HO::ACT1-iΔ5'::leu2Δ5' hpr1Δ::kanMX4</i>
OS350-101	<i>MATa-inc ade2-1 can1-100 his3-11,15 leu2Δ::SFA1 trp1-1 ura3-1 ade3::GAL-HO ACT1Δi ChrIII-GAL1p::leu2Δ3'::ACT1-iΔ3'::Sμ350::URA3 ChrXV-HYG::HO::ACT1-iΔ5'::leu2Δ5' hpr1-101</i>
OS350-L4	<i>MATa-inc ade2-1 can1-100 his3-11,15 leu2Δ::SFA1 trp1-1 ura3-1 ade3::GAL-HO ACT1Δi ChrIII-GAL1p::leu2Δ3'::ACT1-iΔ3'::Sμ350::URA3 ChrXV-HYG::HO::ACT1-iΔ5'::leu2Δ5' dnl4Δ::natMX4</i>
OS350-L4h	<i>MATa-inc ade2-1 can1-100 his3-11,15 leu2Δ::SFA1 trp1-1 ura3-1 ade3::GAL-HO ACT1Δi ChrIII-GAL1p::leu2Δ3'::ACT1-iΔ3'::Sμ350::URA3 ChrXV-HYG::HO::ACT1-iΔ5'::leu2Δ5' hpr1Δ::kanMX4 dnl4Δ::natMX4</i>
OS350-U1	<i>MATa-inc ade2-1 can1-100 his3-11,15 leu2Δ::SFA1 trp1-1 ura3-1 ade3::GAL-HO ACT1Δi ChrIII-GAL1p::leu2Δ3'::ACT1-iΔ3'::Sμ350::URA3 ChrXV-HYG::HO::ACT1-iΔ5'::leu2Δ5' ung1Δ::natMX4</i>
OS350-U1h	<i>MATa-inc ade2-1 can1-100 his3-11,15 leu2Δ::SFA1 trp1-1 ura3-1 ade3::GAL-HO ACT1Δi ChrIII-GAL1p::leu2Δ3'::ACT1-iΔ3'::Sμ350::URA3 ChrXV-HYG::HO::ACT1-iΔ5'::leu2Δ5' hpr1Δ::kanMX4 ung1Δ::natMX4</i>

All strains were constructed for this study except WS (González-Barrera et al 2002)

==

!