

Table S2: Strains

Strain	Parent	Mating type	Genotype	Source
YLH101	FY602	Mat a	<i>his3D200 leu2D1 lys2-128d ura3-52 trp1D63</i>	
YVM138	YLH101	Mat a	<i>his3D200 leu2D1 lys2-128d ura3-52 trp1D63 SAS3-6HA::TRP</i>	
YVM142	YLR008 x YLH354	Mat a	<i>his3D200 leu2D1 lys2-128d ura3-52 trp1D63 SAS3-6HA::HIS set1Δ::KANMX6 set2Δ::TRP</i>	
YVM147	YVM144	Mat a	<i>his3D200 leu2D1 lys2-128d ura3-52 trp1D63 SAS3-6HA::TRP yng1ΔPHD::KANMX6</i>	
YVM157	YVM146	Mat a	<i>his3D200 leu2D1 lys2-128d ura3-52 trp1D63 SAS3-6HA::TRP set1Δ::HISMX6</i>	
YVM158	YVM146	Mat a	<i>his3D200 leu2D1 lys2-128d ura3-52 trp1D63 SAS3-6HA::TRP set2Δ::HISMX6</i>	
YVM207	YVM146	Mat a	<i>his3D200 leu2D1 lys2-128d ura3-52 trp1D63 SAS3-6HA::TRP ylr455w::HIS</i>	
YLH696	YVM147	Mat a	<i>his3D200 leu2D1 lys2-128d ura3-52 trp1D63 SAS3-6HA::TRP yng1DPHD::KANMX6 ylr455w::HISMX6</i>	
YLH787	YLH101	Mat a	<i>his3D200 leu2D1 lys2-128d ura3-52 trp1D63 bar1::KAN</i>	
FY2173		<i>MATα</i>	<i>his3Δ200 leu2Δ1 lys2-128Δ trp1Δ63 ura3-52 kanMX-GAL1pr-FLO8-HIS3</i>	(Cheung <i>et al.</i> 2008)
L1106		Mat a	<i>his3Δ200 ura3Δ0 kanMX-GAL1pr-FLO8-HIS3 rco1Δ0::kanMX</i>	(Cheung <i>et al.</i> 2008)
YLH510	L1106	Mat a	<i>his3Δ200 ura3Δ0 kanMX-GAL1pr-FLO8-HIS3 rco1Δ0::kanMX sas3::URA3</i>	