

Supplementary material

Table S1

Yeast strains used in this study

Strain	Genotype	Source/Ref.	Strain background
SLY2199	<i>MATα RAD5 ade2-1 ura3-1 trp1-1 leu2-3,112 his3-11,15 can1-100 hmrΔE::TRP1 RDN1::ADE2-CAN1 TELVR::URA3-TEL leu2::MCD1 natNT2 mcd1Δ::hphNT1</i>	This study	W303
SLY2200	<i>MATα RAD5 ade2-1 ura3-1 trp1-1 leu2-3,112 his3-11,15 can1-100 hmrΔE::TRP1 RDN1::ADE2-CAN1 TELVR::URA3-TEL leu2::mcd1-1 natNT2 mcd1Δ::hphNT1</i>	This study	W303
VG906-1A	<i>MATα bar1 trp1 leu2 gal1</i>	(GUACCI <i>et al.</i> 1997)	A364A
VG955-7D	<i>MATα mcd1-1 bar1 trp1 leu2 gal1</i>	(GUACCI <i>et al.</i> 1997)	A364A
1355-1A	<i>MATα bar1 smc1-2::LEU2 trp1 leu2 gal1</i>	D. Koshland	A364A
ROY951	<i>MATα ade2-1 LYS2 HMRDI leu2-3,112 his3-11,15 ura3-1 trp1-1</i>	(DONZE <i>et al.</i> 1999)	W303
ROY1060	<i>MATα ade2-1 LYS2 HMRDI leu2-3,112 his3-11,15 ura3-1 trp1-1 smc3-1::LEU2</i>	(DONZE <i>et al.</i> 1999)	W303
W303-1a	<i>MATα leu2-3,112 trp1-1 can1-100 ura3-1 ade2-1 his3-11,15</i>		W303
SLY2764	<i>MATα leu2-3,112 trp1-1 can1-100 ura3-1 ade2-1 his3-11,15 leu2::MCD1 natNT2 mcd1Δ::TRP1</i>	This study	W303
SLY2767	<i>MATα leu2-3,112 trp1-1 can1-100 ura3-1 ade2-1 his3-11,15 leu2::mcd1-1 natNT2 mcd1Δ::TRP1</i>	This study	W303
SLY2799	W303-1a <i>natNT2::GALL-3HA-MCD1</i>	This study	W303
SLY2790	<i>MATα bar1 trp1 leu2 gal1 CLB2-3HA::TRP1</i>	This study	VG906-1A
SLY2792	<i>MATα mcd1-1 bar1 trp1 leu2 gal1 CLB2-3HA::TRP1</i>	This study	VG955-7D

yYB3476	<i>MATa ura3-52 his3Δ200 leu2 lys2-801 ade2-101 trp1Δ63 trp1::TetO:TRP1 lys4::LacO:LEU2 his3::LacR-GFP:HIS3 TetR-mRFP</i>	(NEUROHR <i>et al.</i> 2011)	S288c
SLY2553	yYB3476 <i>leu2::MCD1 natNT2 mcd1Δ::kanMX4</i>	This study	S288c
SLY2555	yYB3476 <i>leu2::mcd1-1 natNT2 mcd1Δ::kanMX4</i>	This study	S288c
SLY2865	<i>MATa leu2-3,112 trp1-1 can1-100 ura3-1 ade2-1 his3-11,15 leu2::MCD1 natNT2 mcd1Δ::TRP1 hog1Δ::HIS3</i>	This study	W303
SLY2867	<i>MATa leu2-3,112 trp1-1 can1-100 ura3-1 ade2-1 his3-11,15 leu2::mcd1-1 natNT2 mcd1Δ::TRP1 hog1Δ::HIS3</i>	This study	W303
SLY2869	<i>MATa leu2-3,112 trp1-1 can1-100 ura3-1 ade2-1 his3-11,15 leu2::MCD1 natNT2 mcd1Δ::TRP1 mpk1Δ::HIS3</i>	This study	W303
SLY2871	<i>MATa leu2-3,112 trp1-1 can1-100 ura3-1 ade2-1 his3-11,15 leu2::mcd1-1 natNT2 mcd1Δ::TRP1 mpk1Δ::HIS3</i>	This study	W303
SLY2666	<i>MATa bar1 trp1 leu2 gal1 SIR3-6HA:hphNT1 mpk1Δ::natNT2</i>	This study	VG906-1A
SLY2668	<i>MATa mcd1-1 bar1 trp1 leu2 gal1 SIR3-6HA:hphNT1 mpk1Δ::natNT2</i>	This study	VG955-7D
SLY2934	<i>MATa bar1 trp1 leu2 gal1 fks1Δ:: natNT2</i>	This study	VG906-1A
SLY2936	<i>MATa mcd1-1 bar1 trp1 leu2 gal1 fks1Δ:: natNT2</i>	This study	VG955-7D
SLY2938	<i>MATa bar1 trp1 leu2 gal1 gas1Δ:: natNT2</i>	This study	VG906-1A
SLY2940	<i>MATa mcd1-1 bar1 trp1 leu2 gal1 gas1Δ:: natNT2</i>	This study	VG955-7D
JH5275b	<i>MataΔ::Hygromycin hoΔ hml1Δ::ADE1 hmrΔ::ADE1 ade1-110 leu2,3-112:MCD1-LEU2 lys5trp1::hisG ura3-52 ade3::GAL10:HO met17::trna-SUP53-G418 mcd1Δ::NAT</i>	(HEIDINGER-PAULI <i>et al.</i> 2010)	JKM
JH5276b	<i>MataΔ::Hygromycin hoΔ hml1Δ::ADE1 hmrΔ::ADE1 ade1-110 leu2,3-112:mcd1(L12STOP)-LEU2 lys5trp1::hisG ura3-52 ade3::GAL10:HO met17::trna-SUP53-G418 mcd1Δ::NAT</i>	(HEIDINGER-PAULI <i>et al.</i> 2010)	JKM

JH5277b	<i>Mata</i> Δ ::Hygromycin <i>ho</i> Δ <i>hml1</i> Δ :: <i>ADE1</i> <i>hmr</i> Δ :: <i>ADE1 ade1-110 leu2,3-112:mcd1(L12STOP, L21STOP)-LEU2</i> <i>lys5trp1::hisG ura3-52 ade3::GAL10:HO</i> <i>met17::trna-SUP53-G418 mcd1</i> Δ :: <i>NAT</i>	(HEIDINGER-PAULI <i>et al.</i> 2010)	JKM
SLY2794	<i>MATa bar1 trp1 leu2 gal1 MPK1-3HA:TRP1</i>	KOTHIWAL AND LALORAYA 2019	VG906-1A
SLY2796	<i>MATa mcd1-1 bar1 trp1 leu2 gal1 MPK1-3HA:TRP1</i>	KOTHIWAL AND LALORAYA 2019	VG955-7D