

Table S3

Strain	Background	Mat	Genotype	Sequenced sample name
MJ513	SK1	a	<i>ho::LYS2 lys2Δ leu2 arg4Δ</i>	WT (TW)
MJ600	S288c	α	<i>ade8Δ</i>	WT (TW)
MJ43	SK1	α	<i>ho::LYS2 lys2Δ arg4Δ leu2Δ::hisG trp1Δ::hisG his4XΔ::LEU2 nuc1Δ::LEU2 PGAL1-NDT80::TRP1 ura3::pGPD1-GAL4(848)-ER::URA3</i>	<i>ndt80AR</i> (TN)
MC42	S288c	a	<i>ade8Δ ndt80Δ::KanMX</i>	<i>ndt80AR</i> (TN)
MC26	SK1	α	<i>ho::LYS2 lys2Δ ura3Δ arg4 leu2 msh2Δ::KanMX</i>	<i>msh2Δ</i> (OM)
MC49	S288c	a	<i>ade8Δ msh2Δ::KanMX</i>	<i>msh2Δ</i> (OM)
MC298	SK1	a	<i>ho::LYS2 lys2Δ ura3Δ arg4 leu2 trp1Δ::hisG ura3Δ::PGPD1-GAL4(848)-ER::URA3 PGAL1-NDT80::TRP1 msh2Δ::KanMX</i>	<i>msh2Δ ndt80AR</i> (OMN)
MC300	S288c	α	<i>ade8Δ ndt80Δ::KanMX msh2Δ::KanMX</i>	<i>msh2Δ ndt80AR</i> (OMN)
MC105	SK1	a	<i>ho::LYS2 lys2Δ ura3Δ arg4 leu2 rad24Δ::HphMX4 msh2Δ::KanMX</i>	<i>rad24Δ msh2Δ</i> (TRM)
MC203	S288c	α	<i>ade8Δ rad24Δ::HphMX4 msh2Δ::KanMX</i>	<i>rad24Δ msh2Δ</i> (TRM)
MC101	SK1	a	<i>ho::LYS2 lys2Δ ura3Δ arg4 leu2 rad24Δ::HphMX4 sml1Δ::URA3</i>	<i>rad24Δ sml1Δ</i> (TRS)
MC61	BY4742	α	<i>lys2Δ his4 ura3Δ leu2Δ met15Δ sml1Δ::URA3 rad24Δ::HphMX4</i>	<i>rad24Δ sml1Δ</i> (TRS)
MC163	SK1	a	<i>ho::LYS2 lys2Δ ura3Δ arg4Δ leu2Δ::hisG nuc1Δ::LEU2 PCLB2-MEC1::KanMX msh2Δ::KanMX</i>	<i>mec1-mn msh2Δ</i> (TCMM)
MC172	S288c	α	<i>ade8Δ PCLB2-MEC1::KanMX4 msh2::HphMX4</i>	<i>mec1-mn msh2Δ</i> (TCMM)
MC2	SK1	a	<i>ho::LYS2 lys2Δ arg4Δ leu2Δ::hisG his4XΔ::LEU2 nuc1Δ::LEU2 trp1Δ::hisG ura3Δ::PGPD1-GAL4(848)-ER::URA3 PCLB2-MEC1::KanMX PGAL1-NDT80::TRP1</i>	<i>mec1-mn ndt80AR</i> (TCMN)
MC198	S288c	α	<i>ade8Δ PCLB2-MEC1::KanMX4 ndt80Δ::KanMX</i>	<i>mec1-mn ndt80AR</i> (TCMN)
MJ835	SK1	α	<i>ho::LYS2 lys2Δ arg4Δ leu2Δ::hisG trp1Δ::hisG his4XΔ::LEU2 nuc1Δ::LEU2 ura3Δ::PGPD1-GAL4(848)-ER::URA3 PGAL1-NDT80::TRP1 rad24Δ::hphMX</i>	<i>rad24Δ ndt80AR</i> (TRN)
MC89	S288c	a	<i>ade8Δ rad24Δ::HphMX4 ndt80Δ::KanMX</i>	<i>rad24Δ ndt80AR</i> (TRN)
MC190	SK1	α	<i>ho::LYS2 lys2Δ ura3Δ arg4 leu2 msh2Δ::Kan rad24Δ::HphMX4 sml1Δ::URA3</i>	<i>rad24Δ msh2Δ sml1Δ</i> (TRMS)
MC193	BY4741	a	<i>ura3Δ his4Δ leu2Δ met15Δ msh2Δ::Kan rad24Δ::HphMX4 sml1Δ::URA3</i>	<i>rad24Δ msh2Δ sml1Δ</i> (TRMS)
MC37	BY4742	α	<i>ura3Δ his4Δ leu2Δ met15Δ sml1Δ::URA3</i>	<i>sml1Δ</i> (TS)
MC113	SK1	a	<i>ho::LYS2 lys2Δ ura3Δ arg4 leu2 sml1Δ::URA3</i>	<i>sml1Δ</i> (TS)
MC313	S288c	a	<i>ade8Δ zip3Δ::HphMX4</i>	<i>zip3Δ</i> (TZ)
MC322	SK1	α	<i>ho::LYS2 lys2Δ ura3Δ arg4 leu2 zip3Δ::HphMX4</i>	<i>zip3Δ</i> (TZ)
MC317	S288c	a	<i>ade8Δ msh2Δ::Kan zip3Δ::HphMX4</i>	<i>zip3Δ msh2Δ</i> (TMZ)
MC326	SK1	α	<i>ho::LYS2 lys2Δ ura3Δ arg4 leu2 msh2Δ::Kan zip3Δ::HphMX4</i>	<i>zip3Δ msh2Δ</i> (TMZ)