

Table S2. *Saccharomyces cerevisiae* strains used in this study.

Strain	Relevant Genotype	Reference
ABX2652	<i>MATa::LEU2/MATa::LEU2, his3-11, 15/HIS3-sam1ΔSall, sam1ΔBgIII-HOcs/sam1::LEU2, sam2::HIS3/sam2::HIS3, trp1-1/trp1::GAL-HO-KanMX</i>	Pannunzio <i>et al.</i> 2010
ABM264	Same as ABX2652 except <i>rad52::TRP1/rad52::TRP1</i>	Pannunzio <i>et al.</i> 2010
ABM269	Same as ABX2652 except <i>rad52-329/rad52-329</i>	This study
ABM272	Same as ABX2652 except <i>rad51::LEU2/rad51::LEU2</i>	This study
ABM147	<i>MATa/α, his3-Δ200/his3-Δ3'-HOcs, leu2-3,112/leu2::HOcs-his3Δ5' (300)</i>	Pannunzio <i>et al.</i> 2008
ABM153	Same as ABM147 except <i>rad51::LEU2/rad51::LEU2</i>	Pannunzio <i>et al.</i> 2008
ABX1691	Same as ABM147 except <i>rad52::TRP1/rad52::TRP1</i>	Pannunzio <i>et al.</i> 2008
ABM216	<i>MATa::LEU2/MATa::LEU2, his3-Δ200/his3-Δ3'-HOcs (MUT), leu2-3,112/leu2::HOcs-his3Δ5' (300)</i>	This study
ABX213	Same as ABM216 except <i>rad52-329/rad52-329</i>	This study
ABM227	Same as ABM216 except <i>rad52::TRP1/rad52::TRP1</i>	This study
ABM234	Same as ABM216 except <i>rad51::LEU2/rad51::LEU2</i>	This study
ABM198	<i>MATa::LEU2/MATa::LEU2, his3-Δ200/his3-Δ3'-HOcs, leu2-3,112/leu2::HOcs-his3Δ5' (60), trp1-1/trp1::GAL-HO-KanMX</i>	This study
ABM202	Same as ABM198 except <i>rad52-329/rad52-329</i>	This study
ABM207	Same as ABM198 except <i>rad59::LEU2/rad59::LEU2</i>	This study
ABM221	Same as ABM198 except <i>rad52-329/rad52-329, rad1::LEU2/rad1::LEU2</i>	This study
ABM226	Same as ABM198 except <i>rad52-329/rad52-329, rad59::LEU2/rad59::LEU2</i>	This study
ABM230	Same as ABM198 except <i>rad52::TRP1/rad52::TRP1</i>	This study
ABM231	Same as ABM198 except <i>rad51::LEU2/rad51::LEU2</i>	This study
ABM236	Same as ABM198 except <i>rad51::LEU2/rad51::LEU2, rad52-329/rad52-329</i>	This study
ABM237	Same as ABM198 except <i>rad1::LEU2/rad1::LEU2</i>	This study
ABM254	Same as ABM198 except <i>rad51::LEU2/rad51::LEU2, rad1::LEU2/rad1::LEU2</i>	This study
ABM261	Same as ABM198 except <i>rad51::LEU2/rad51::LEU2, rad59::LEU2/rad59::LEU2</i>	This study
ABM283	Same as ABM198 except <i>srs2::TRP1/srs2::TRP1, rad1::LEU2/rad1::LEU2</i>	This study
ABM284	Same as ABM198 except <i>srs2::TRP1/srs2::TRP1</i>	This study
ABM285	Same as ABM198 except <i>rad52-329/rad52-329, srs2::TRP1/srs2::TRP1, rad1::LEU2/rad1::LEU2</i>	This study
ABM291	Same as ABM198 except <i>rad52-329/rad52-329, srs2::TRP1/srs2::TRP1</i>	This study
ABM311	Same as ABM198 except <i>srs2::TRP1/srs2::TRP1, rad59::LEU2/rad59::LEU2</i>	This study
ABM312	Same as ABM198 except <i>rad52-329/rad52-329, srs2::TRP1/srs2::TRP1, rad59::LEU2/rad59::LEU2</i>	This study
ABM314	Same as ABM198 except <i>rad51::LEU2/rad51::LEU2,</i>	This study

	<i>rad52::TRP1/rad52::TRP1</i>	
ABM322	Same as ABM198 except <i>rad52::TRP1/rad52::TRP1</i> , <i>srs2::TRP1/srs2::TRP1</i>	This study
ABM197	<i>MATa::LEU2/MATa::LEU2</i> , <i>his3-Δ200/his3-Δ3'-HOcs</i> , <i>leu2-3,112/leu2::HOcs-his3Δ5' (300)</i> , <i>trp1-1/trp1::GAL-HO-</i> <i>KanMX</i>	This study
ABM201	Same as ABM197 except <i>rad52-329/rad52-329</i>	This study
ABM208	Same as ABM197 except <i>rad59::LEU2/rad59::LEU2</i>	This study
ABM222	Same as ABM197 except <i>rad52-329/rad52-329</i> , <i>rad1::LEU2/rad1::LEU2</i>	This study
ABM225	Same as ABM197 except <i>rad52-329/rad52-329</i> , <i>rad59::LEU2/rad59::LEU2</i>	This study
ABM232	Same as ABM197 except <i>rad51::LEU2/rad51::LEU2</i>	This study
ABM235	Same as ABM197 except <i>rad51::LEU2/rad51::LEU2</i> , <i>rad52-329/rad52-329</i>	This study
ABM238	Same as ABM197 except <i>rad1::LEU2/rad1::LEU2</i>	This study
ABM250	Same as ABM197 except <i>rad51::LEU2/rad51::LEU2</i> , <i>rad59::LEU2/rad59::LEU2</i>	This study
ABM253	Same as ABM197 except <i>rad51::LEU2/rad51::LEU2</i> , <i>rad1::LEU2/rad1::LEU2</i>	This study
ABM286	Same as ABM197 except <i>srs2::TRP1/srs2::TRP1</i>	This study
ABM287	Same as ABM197 except <i>srs2::TRP1/srs2::TRP1</i> , <i>rad1::LEU2/rad1::LEU2</i>	This study
ABM290	Same as ABM197 except <i>rad52-329/rad52-329</i> , <i>srs2::TRP1/srs2::TRP1</i> , <i>rad1::LEU2/rad1::LEU2</i>	This study
ABM292	Same as ABM197 except <i>rad52-329/rad52-329</i> , <i>srs2::TRP1/srs2::TRP1</i>	This study
ABM293	Same as ABM197 except <i>srs2::TRP1/srs2::TRP1</i> , <i>rad59::LEU2/rad59::LEU2</i>	This study
ABM315	Same as ABM197 except <i>rad51::LEU2/rad51::LEU2</i> , <i>rad52::TRP1/rad52::TRP1</i>	This study
ABM319	Same as ABM197 except <i>rad52-329/rad52-329</i> , <i>srs2::TRP1/srs2::TRP1</i> , <i>rad59::LEU2/rad59::LEU2</i>	This study
ABM321	Same as ABM197 except <i>rad52::TRP1/rad52::TRP1</i> , <i>srs2::TRP1/srs2::TRP1</i>	This study