Supporting Information

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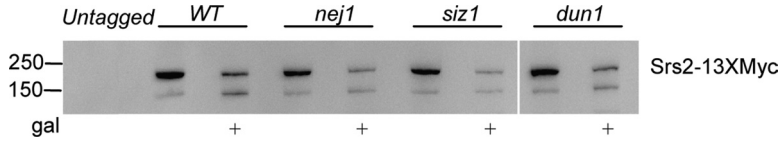

Fig. S1. Srs2–13XMyc expression levels. Shown are protein blots using α-myc antibody (9E10) against Srs2–13XMyc. Whole cell extracts were prepared from the indicated strains (same as Fig. 1) following growth conditions identical to those used for ChIP experiments. Nine micrograms of total protein per sample were loaded. Lanes with cell extracts obtained from cultures grown in galactose are labeled with +.

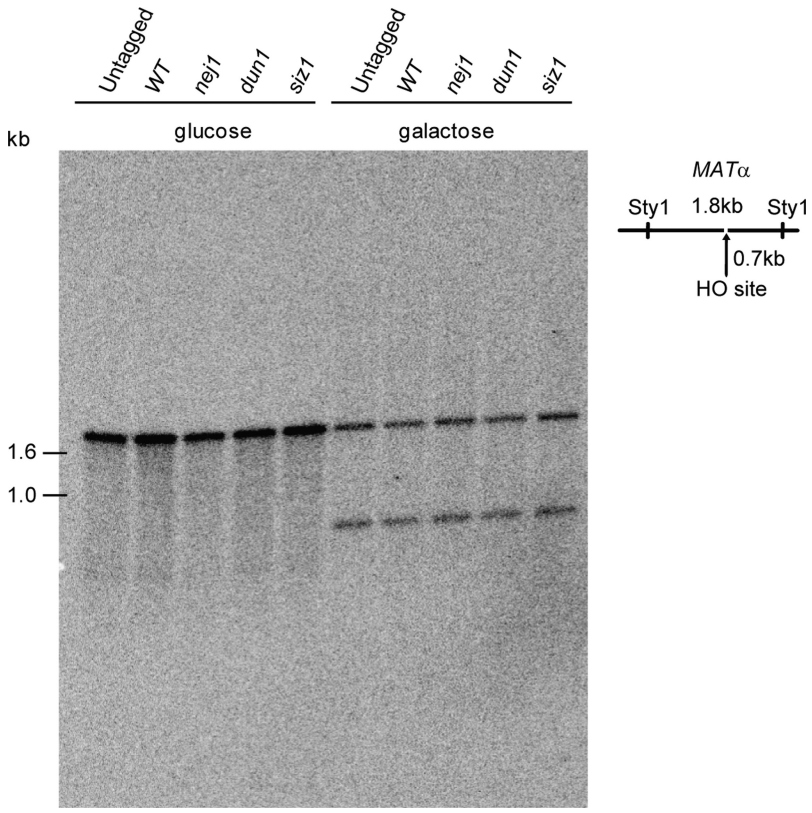

Fig. S2. DSB induction in ChIP strains. DNA-blot analysis of *Sty*I-digested chromosomal DNA from the indicated strains (same as Fig. 1). Growth conditions were identical to those used for ChIP. A *MAT*-specific probe was used. The size of the parental band and the HO-digested band are indicated.

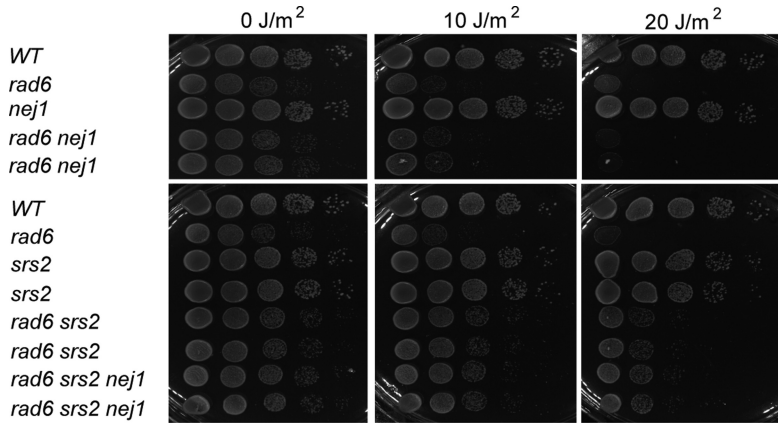

Fig. S3. UV sensitivity assay. Ten-fold serial dilutions of the indicated strains (UMY2026, UMY2107, SAY1030, SAY1032, SAY1024, SAY1026, and SAY1028) were spotted on YEPD plates, irradiated at 0, 10, or 20 J/m^2 and incubated in the dark at 30 °C for 48 h.

Table S1. Strains used in this study

Strain	Genotype	Source
JKM115	*MATα Δho Δhml::ade1 Δhmr::ADE1 ade1–100 leu2, −3, −112 lys5 ura3–52 trp1::hisG*	(1)
PJ69–4A	*MATa his3–200 leu2–3,-112 ade2 trp1–901 ura3–52 gal4 gal80 GAL2-ADE2 LYS2::GAL1-HIS3 met2::GAL7-lacZ*	(2)
YW465	*MATα ade2Δ0 his3Δ200 leu2 met15Δ0 trp1Δ63 ura3Δ0*	(3)
UMY2060	*MATa ade2 ura3–52 leu2–3,-112 trp1–289 his3Δ1 lys2-BglII hom3–10*	Gift from A. Byström
UMY2107	*MATa ade2 ura3–52 leu2–3,-112 trp1–289 his3Δ1 lys2-BglII hom3–10 rad6::URA3*	Gift from A. Byström
SAY215	*MATa can1–100 his3–11 leu2–3,-112 lys2Δ trp1–1 ura3–1 nej1::kanMX*	(4)
SAY230	*MATa can1–100 his3–11, −15 leu2–3,-112 trp1–1 ura3–1 ade2 5′-URA3-ade2 3′ lys2Δ rad52::TRP1*	Gift from L. Symington
SAY264	*MATα Δho Δhml::ade1 Δhmr::ADE1 ade1–100 leu2, −3, −112 lys5 ura3–52 trp1::hisG nej1::kanMX*	(4)
SAY272	*MATα Δho Δhml::ade1 Δhmr::ADE1 ade1–100 leu2, −3, −112 lys5 ura3–52 trp1::hisG srs2::hisG*	This study
SAY274	*MATα Δho Δhml::ade1 Δhmr::ADE1 ade1–100 leu2, −3, −112 lys5 ura3–52 trp1::hisG srs2::hisG nej1::kanMX*	This study
SAY282	*MATα Δho Δhml::ade1 Δhmr::ADE1 ade1–100 leu2, −3, −112 lys5 trp1::hisG ura3–52::URA3-pGAL-HO*	This study
SAY961	*MATa his3–200 leu2–3,-112 ade2 trp1–901 ura3–52 gal4 gal80 GAL2-ADE2 LYS2::GAL1-HIS3 met2::GAL7-lacZ dun1::kanMX*	This study
SAY1024	*MATa ade2 ura3–52 leu2–3,-112 trp1–289 his3Δ1 lys2-BglII hom3–10 srs2::NAT*	This study
SAY1026	*MATa ade2 ura3–52 leu2–3,-112 trp1–289 his3Δ1 lys2-BglII hom3–10 rad6::URA3 srs2::NAT*	This study
SAY1028	*MATa ade2 ura3–52 leu2–3,-112 trp1–289 his3Δ1 lys2-BglII hom3–10 rad6::URA3 nej1::kanMX srs2::NAT*	This study
SAY1030	*MATa ade2 ura3–52 leu2–3,-112 trp1–289 his3Δ1 lys2-BglII hom3–10 nej1::kanMX*	This study
SAY1032	*MATa ade2 ura3–52 leu2–3,-112 trp1–289 his3Δ1 lys2-BglII hom3–10 rad6::URA3 nej1::kanMX*	This study
SAY1103	*MATα ade2Δ0 his3Δ200 leu2 met15Δ0 trp1Δ63 ura3Δ0 srs2::NAT*	This study
SAY1104	*MATα ade2Δ0 his3Δ200 leu2 met15Δ0 trp1Δ63 ura3Δ0 dun1::NAT*	This study
SAY1105	*MATα ade2Δ0 his3Δ200 leu2 met15Δ0 trp1Δ63 ura3Δ0 nej1::NAT*	This study
SAY1110	*MATα Δho Δhml::ade1 Δhmr::ADE1 ade1–100 leu2 −3, −112 lys5 trp1::hisG ura3–52::URA3-*pGal*-HO SRS2–13XMYC-kanMX*	This study
SAY1124	*MATα ade2Δ0 his3Δ200 leu2 met15Δ0 trp1Δ63 ura3Δ0 rad52::TRP1*	This study
SAY1126	*MATα Δho Δhml::ade1 Δhmr::ADE1 ade1–100 leu2 −3, −112 lys5 trp1::hisG ura3–52::URA3-*pGal*-HO nej1::NAT SRS2–13XMYC-kanMX*	This study
SAY1180	*MATα Δho Δhml::ade1 Δhmr::ADE1 ade1–100 leu2 −3, −112 lys5 trp1::hisG ura3–52::URA3-*pGal*-HO dun1::NAT SRS2–13XMYC-kanMX*	This study
SAY1193	*MATα ade2Δ0 his3Δ200 leu2 met15Δ0 trp1Δ63 ura3Δ0 srs2::NAT rad51::kanMX*	This study
SAY1196	*MATα Δho Δhml::ade1 Δhmr::ADE1 ade1–100 leu2 −3, −112 lys5 trp1::hisG ura3–52::URA3-*pGal*-HO siz1::NAT SRS2–13XMYC-kanMX*	This study
SAY1197	*MATα Δho Δhml::ade1 Δhmr::ADE1 ade1–100 leu2 −3, −112::NEJ1–297AA-LEU2 lys5 trp1::hisG ura3–52::URA3-pGal-HO nej1::NAT SRS2–13XMYC-kanMX*	This study
SAY1198	*MATα ade2Δ0 his3Δ200 leu2 met15Δ0 trp1Δ63 ura3Δ0 nej1::kanMX srs2::NAT*	This study
SAY1199	*MATα ade2Δ0 his3Δ200 leu2 met15Δ0 trp1Δ63::NEJ1–297/8AA-TRP1 ura3Δ0 nej1::NAT*	This study
SAY1362	*MATα ade2Δ0 his3Δ200 leu2 met15Δ0 trp1Δ63 ura3Δ0 nej1::NAT rad51::kanMX*	This study

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