ymr111c Tn3::LEU2 yku80 Tn3::LEU2 rad24

Tn3::LEU2

ara1 Tn3::LEU2

yAU15

yAU36

yACT2

ylr290c Tn3::LEU2 pms1 Tn3::LEU2 chd1 Tn3::LEU2 sgs1 Tn3::LEU2 yAU15 $sir2\Delta$ yAU15 $sir3\Delta$ yAU15 sir4 Δ

FIGURE S1.— Examples of some of the strains carrying transposon tagged alleles that confer elevated recombination in our genetic screen using strain yAU15sir3. It should be noted that strains carrying the *chd1*Tn3::LEU2 allele only displayed elevated recombination when SIR3 was also deleted in the genome, whereas the additional alleles shown above, displayed elevated recombination in all yAU15 derived strains.