Supplemental Table 2: Strains used in this study

Strain Number	Disome	Relevant Genotype
A2587	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+
A22361	-	MATa, ade1::HIS3, lys2::KanMX6
A12683	I	MATa, ade1::HIS3, ade1::KanMX6
A12685	II	MATa, lys2::HIS3, lys2::KanMX6
A24367	IV	MATa, trp1::HIS3, trp1::KanMX6
A28265	V	MATa, can1::HIS3, intergenic region (187520-187620) between YER015W and YER016W::KanMX6
A27036	VIII	MATa, intergenic region (119778-119573) between YHR006W and YHR007C::HIS3, intergenic region (119778-119573) between YHR006W and YHR007C::KanMX6
A13975	IX	MATa, intergenic region (430900-431000) between YKL006C-A and YKL006W::HIS3, intergenic region (430900-431000) between YKL006C-A and YKL006W::KanMX6
A27093	X	MATa, intergenic region (322250-322350) between YJL061W and YJL060W::HIS3, intergenic region (322250-322350) between YJL061W and YJL060W::KanMX6
A28266	XI	MATa, intergenic region (430900-431000) between YKL006C-A and YKL006W::HIS3, intergenic region (430900-431000) between YKL006C-A and YKL006W::KanMX6
A28344	XIV	MATa, intergenic region (622880-622980) between YNL005C and YNL004W::HIS3, intergenic region (622880-622980) between YNL005C and YNL004W::KanMX6
A27930	XV	MATa, leu9::HIS3, leu9::KanMX6
A34149	XVI	MATa, met12::HIS3, met12::KanMX6
A36219	IX	MATa, intergenic region (430900-431000) between YKL006C-A and YKL006W::HIS3, intergenic region (430900-431000) between YKL006C-A and YKL006W::KanMX6, PGK1::PGK1-GFP-URA, intergenic region (138257-138701)::Nat
A36222	XI	MATa, intergenic region (430900-431000) between YKL006C-A and YKL006W::HIS3, intergenic region (430900-431000) between YKL006C-A and YKL006W::KanMX6, PGK1::PGK1-GFP-URA, intergenic region (92013-92521)::Nat
A36215	IX	MATa, intergenic region (430900-431000) between YKL006C-A and YKL006W::HIS3, intergenic region (430900-431000) between YKL006C-A and YKL006W::KanMX6, GVP36::Nat, TED1::URA3
A36233	IX	MATa, intergenic region (430900-431000) between YKL006C-A and YKL006W::HIS3, intergenic region (430900-431000) between YKL006C-A and YKL006W::KanMX6, AXL2::URA3,

		PRK1::Nat
A36069	IX	MATa, intergenic region (430900-431000) between YKL006C-A and YKL006W::HIS3, intergenic region (430900-431000) between YKL006C-A and YKL006W::KanMX6, GVP36::Nat, AXL2::URA3, PRK1::Nat, TED1::URA3
A36336	XI	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, xxx::KAN, xxx::HIS3, SPC42::NAT, YPT52::URA3
A36919	XI	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, xxx::KAN, xxx::HIS3, SDS22::NAT, TPK3::URA
A36918	XI	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, xxx::KAN, xxx::HIS3, SDS22::NAT, YPT52::URA3, TPK3::URA
A36470	V	MATa, can1::HIS3, intergenic region (187520-187620) between YER015W and YER016W::KanMX6, GLN3::Nat
A36585	XVI	MATa, intergenic region (622880-622980) between YNL005C and YNL004W::HIS3, intergenic region (622880-622980) between YNL005C and YNL004W::KanMX6, TEF1::Nat, VPS4::TRP1
A36650	XVI	MATalpha, intergenic region (622880-622980) between YNL005C and YNL004W::HIS3, intergenic region (622880-622980) between YNL005C and YNL004W::KanMX6, TEF1::Nat, TPK2::TRP1
A36689	XVI	MATalpha, intergenic region (622880-622980) between YNL005C and YNL004W::HIS3, intergenic region (622880-622980) between YNL005C and YNL004W::KanMX6, TPK2::TRP1, KES1::Nat
A36859, A36860	XVI	MATa, intergenic region (622880-622980) between YNL005C and YNL004W::HIS3, intergenic region (622880-622980) between YNL005C and YNL004W::KanMX6, TEF1::Nat, TPK2::TRP1, KES1::Nat
A36920	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pI-1
A36921	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pI-2
A36922	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pI-1 + pI-2
A36923	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pII-1
A36924	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pII-2
A36925	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pII-1 + pII-2
A36926	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pIV-1

A36927	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pV-1
A36928	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pVIII-1
A36929	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pVIII-2
A36930	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pVIII-1 + pVIII-2
A36931	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pIX-1
A36932	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pIX-2
A36933	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pIX-1 + pIX-2
A36934	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pX-1
A36935	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pX-2
A36936	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pX-1 + pX-2
A36937	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pXI-1
A36938	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pXI-2
A36939	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pXI-1 + pXI-2
A36940	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pXIV-1
A36941	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pXIV-2
A36942	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pXIV-1+ pXIV-2
A36943	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pXV-1
A36944	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pXVI-1
A36945	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pXVI-2
A36946	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pXVI-3
A36947	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pXVI-1 + pXVI-2
A36948	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100,

		GAL, psi+, pXVI-1 + pXVI-3
A36949	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pXVI-2 + pXVI-3
A36950	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, EP1
A36951	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, EP2
A36952	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, EP3
A36953	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, EP1 + EP2
A36954	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, EP1 + EP3
A36955	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, EP2 + EP2
A36956	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, EP1 + EP2 + EP3
A36957	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pII-3
A36958	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pX-2 + pVIII-2
A36959	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pX-2 + pI-2
A36960	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pX-2 + pI-2 + pVIII-2
A36961	-	MATa, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pI-1 + pI-2 + pII-3
A36983	-	MATalpha, ade2-1, leu2-3, ura3, trp1-1, his3-11,15, can1-100, GAL, psi+, pACT1