

S1 Table. Strains list.

Name	Genotype	Background
YBL320	<i>MATa his3Δ leu2Δ met15Δ ura3Δ YHP1-13Myc-LEU2 YOX1-3V5-KanMx TOS4-3FLAG-Hyg HCM1-3HA-HIS3</i>	S288C
YCG1-GFP	<i>MATa ura3Δ0 leu2Δ0 his3Δ1 met15Δ0 YCG1-GFP-HIS3</i>	S288C
YTD33	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 YCG1-3HA-HIS3</i>	W303
YTD82	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 BRN1-3HA-HIS3</i>	W303
YTD83	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 YCS4-3HA-HIS3</i>	W303
YTD84	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 SMC2-3HA-HIS3</i>	W303
YTD80	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 SMC4-3HA-HIS3</i>	W303
YUS5	<i>MATa leu2-3, 112 ura3, his3-11,15 CanS GAL2 pup1-T30A pre3-T20A</i>	W303
YTD43	<i>MATa leu2-3, 112 ura3, his3-11,15 CanS GAL2 pup1-T30A pre3-T20A YCG1-3HA-HIS3</i>	W303
YTD36	<i>MATa ade2-1 can1-100 his3-11,15 leu2-3,112 trp1-1 ura3-1 ycg1Δ973-1035-3HA-HIS3</i>	W303
YTD184	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 ycg1Δ986-1035-3HA-HIS3</i>	W303
YTD128	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 ycg1Δ973-985-3HA-HIS3</i>	W303
YTD148	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 ycg1-K977A-3HA-HIS3</i>	W303
YTD200	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 ycg1-R976A-3HA-HIS3</i>	W303
YTD201	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 ycg1-R978A-3HA-HIS3</i>	W303
YTD164	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 ycg1-R980A-3HA-HIS3</i>	W303
YTD336	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 Hyg-TEF1p-YCG1-3HA-HIS3</i>	W303
YTD337	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 Hyg-TEF1p-BRN1-3HA-HIS3</i>	W303
YTD353	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 Hyg-TEF1p-YCS4-3HA-HIS3</i>	W303
YTD349	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 Hyg-TEF1p-SMC2-3HA-HIS3</i>	W303
YTD362	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 Hyg-TEF1p-SMC4-3HA-HIS3</i>	W303

YTD276	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 YCG1-3HA-HIS3 NatMX6-MET3p-3HA-CDC20</i>	W303
YTD361	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 Hyg-TEF1p-YCG1-3HA-HIS3 NatMX6-MET3p-3HA-CDC20</i>	W303
YTD290	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 ycg1-K977A-3HA-HIS3 NatMX6-MET3p-3HA-CDC20</i>	W303
YTD302	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 Ycg1-3HA-HIS3 BRN1-3V5-kanMX6 NatMX6-MET3p-3HA-CDC20</i>	W303
YTD355	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 Hyg-TEF1p-YCG1-3HA-HIS3 BRN1-3V5-kanMX6 NatMX6-MET3p-3HA-CDC20</i>	W303
YTD394	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 Ycg1-3HA-HIS3 YCS4-3V5-kanMX6 NatMX6-MET3p-3HA-CDC20</i>	W303
YTD395	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 Hyg-TEF1p-YCG1-3HA-HIS3 YCS4-3V5-kanMX6 NatMX6-MET3p-3HA-CDC20</i>	W303
YTD396	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 Ycg1-3HA-HIS3 SMC2-3V5-kanMX6 NatMX6-MET3p-3HA-CDC20</i>	W303
YTD397	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 Hyg-TE1Fp-YCG1-3HA-HIS3 SMC2-3V5-kanMX6 NatMX6-MET3p-3HA-CDC20</i>	W303
YTD297	<i>MATa ade2-1 his3-11 leu2-3,112 trp1-1 ura3-1 can1-100 YCG1-3HA-HIS3 BRN1-3V5-KAN</i>	W303
YTD342	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 Hyg-TEFp-YCG1-HA-HIS3 BRN1-V5-KanMx6</i>	W303
YTD199	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 ycg1-S973A S975A T979A S981A-3HA-HIS3</i>	W303
YTD176	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 ycg1-E982A E984A-3HA-HIS3</i>	W303
YTD284	<i>MATa/MATα ade2/ade2 his3/his3 leu2/leu2 trp1/trp1 ura3/ura3 can1/can1 YCS4-13Myc-HIS3/YCS4</i>	W303
YTD268	<i>MATa/MATα ade2/ade2 his3/his3 leu2/leu2 trp1/trp1 ura3/ura3 can1/can1 YCG1-3V5-KanMX6/YCG1 YCS4-13Myc-HIS3/YCS4</i>	W303
YTD269	<i>MATa/MATα ade2/ade2 his3/his3 leu2/leu2 trp1/trp1 ura3/ura3 can1/can1 ycg1-K977A-3V5-KanMX6/YCG1 YCS4-13Myc-HIS3/YCS4</i>	W303
YTD274	<i>MATa/MATα ade2/ade2 his3/his3 leu2/leu2 trp1/trp1</i>	W303

	<i>ura3/ura3 can1/can1 SMC2-13Myc-HIS3/SMC2</i>	
YTD285	<i>MATa/MATα ade2/ade2 his3/his3 leu2/leu2 trp1/trp1 ura3/ura3 can1/can1 YCG1-3V5-KanMX6/YCG1 SMC2-13Myc-HIS3/SMC2</i>	W303
YTD267	<i>MATa/MATα ade2/ade2 his3/his3 leu2/leu2 trp1/trp1 ura3/ura3 can1/can1 ycg1-K977A-3V5-KanMX6/YCG1 SMC2-13Myc-HIS3/SMC2</i>	W303
YTD275	<i>MATa/MATα ade2/ade2 his3/his3 leu2/leu2 trp1/trp1 ura3/ura3 can1/can1 SMC4-13Myc-HIS3/SMC4</i>	W303
YTD286	<i>MATa/MATα ade2/ade2 his3/his3 leu2/leu2 trp1/trp1 ura3/ura3 can1/can1 YCG1-3V5-KanMX6/YCG1 SMC4-13Myc-HIS3/SMC4</i>	W303
YTD255	<i>MATa/MATα ade2/ade2 his3/his3 leu2/leu2 trp1/trp1 ura3/ura3 can1/can1 ycg1-K977A-3V5-KanMX6 SMC4-13Myc-HIS3</i>	W303
JS306	<i>MATa his3Δ200 leu2Δ1 met15Δ0 trp1Δ63 ura3-167 RDN1::Ty1-MET15, mURA3/HIS3</i>	
JS576	<i>MATa his3Δ200 leu2Δ1 met15Δ0 trp1Δ63 ura3-167 RDN1::Ty1-MET15, mURA3/HIS3 sir2Δ::KanMX4</i>	
YHA212	<i>MATa his3Δ200 leu2Δ1 met15Δ0 trp1Δ63 ura3-167 RDN1::Ty1-MET15, mURA3/HIS3 YCG1-3HA-HIS3</i>	
YHA214	<i>MATa his3Δ200 leu2Δ1 met15Δ0 trp1Δ63 ura3-167 RDN1::Ty1-MET15, mURA3/HIS3 ycg1-K977A-3HA-HIS3</i>	
YHA215	<i>MATa his3Δ200 leu2Δ1 met15Δ0 trp1Δ63 ura3-167 RDN1::Ty1-MET15, mURA3/HIS3 Hyg-TEF1p-YCG1-3HA-HIS3</i>	
YTD430	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 ycg1-K977A-3HA-HIS3 YCG1-3HA::URA3</i>	W303
MW836a	<i>MATa ura3Δ0 leu2Δ0 his3Δ1 met15Δ0</i>	S288C
Y10100	<i>MATa ura3Δ0 leu2Δ0 his3Δ1 met15Δ0 ycg1-2::KanMX6</i>	S288C
Y9804	<i>MATa ura3Δ0 leu2Δ0 his3Δ1 met15Δ0 brn1-9::KanMX6</i>	S288C
YJB653	<i>MATa ade2-1 his3-11 leu2-3,112 trp1-1 ura3-1 can1-100 YCG1-3HA-HIS3 NET1-3V5-KAN</i>	W303
YJB651	<i>MATa ade2-1 his3-11,15 leu2-3,112 trp1-1 ura3-1 can1-100 Hyg-TEFp-YCG1-HA-HIS3 NET1-V5-KanMx6</i>	W303