

Additional File 8. Yeast strains and plasmids.

Yeast Strain	Genotype	Reference/Source
BY4741	<i>MATa his3Δ1 leu2Δ met15Δ ura3Δ0</i>	Open Biosystems
<i>tco89Δ</i>	BY4741; <i>tco89::KanMX</i>	Open Biosystems
YNL340	<i>MATa his3Δ200 leu2Δ0 lys2Δ0 trp1Δ63 ura3Δ0met15Δ0 can1::MFA1pr-HIS3 hht1-hhf1::NatMX4 hht2-hhf2::[HHTS-HHFS]*-ura3Δ H3WT HMO1-6XHA::HphNT1</i>	This study
YNL352 (H3K14A)	<i>MATa his3Δ200 leu2Δ0 lys2Δ0 trp1Δ63 ura3Δ0met15Δ0 can1::MFA1pr-HIS3 hht1-hhf1::NatMX4 hht2-hhf2::[HHTS-HHFS]*-ura3Δ</i>	This study
YNL357 (H3Q5A)	<i>MATa his3Δ200 leu2Δ0 lys2Δ0 trp1Δ63 ura3Δ0met15Δ0 can1::MFA1pr-HIS3 hht1-hhf1::NatMX4 hht2-hhf2::[HHTS-HHFS]*-ura3Δ</i>	This study
YNL372 (H3WT)	<i>MATa his3Δ200 leu2Δ0 lys2Δ0 trp1Δ63 ura3Δ0met15Δ0 can1::MFA1pr-HIS3 hht1-hhf1::NatMX4 hht2-hhf2::[HHTS-HHFS]*-ura3Δ</i>	This study
YNL374 (H3S57A)	<i>MATa his3Δ200 leu2Δ0 lys2Δ0 trp1Δ63 ura3Δ0met15Δ0 can1::MFA1pr-HIS3 hht1-hhf1::NatMX4 hht2-hhf2::[HHTS-HHFS]*-ura3Δ</i>	This study
YNL401 (H3T3A)	<i>MATa his3Δ200 leu2Δ0 lys2Δ0 trp1Δ63 ura3Δ0met15Δ0 can1::MFA1pr-HIS3 hht1-hhf1::NatMX4 hht2-hhf2::[HHTS-HHFS]*-ura3Δ</i>	This study
YNL403 (H3K37A)	<i>MATa his3Δ200 leu2Δ0 lys2Δ0 trp1Δ63 ura3Δ0met15Δ0 can1::MFA1pr-HIS3 hht1-hhf1::NatMX4 hht2-hhf2::[HHTS-HHFS]*-ura3Δ</i>	This study
YNL420	<i>MATa his3Δ200 leu2Δ0 lys2Δ0 trp1Δ63 ura3Δ0met15Δ0 can1::MFA1pr-HIS3 hht1-hhf1::NatMX4 hht2-hhf2::[HHTS-HHFS]*-ura3Δ H3WT NHP10-6XHA::HphNT1</i>	This study
YNL423	<i>MATa his3Δ200 leu2Δ0 lys2Δ0 trp1Δ63 ura3Δ0met15Δ0 can1::MFA1pr-HIS3 hht1-hhf1::NatMX4 hht2-hhf2::[HHTS-HHFS]*-ura3Δ H3K37A NHP10-6XHA::HphNT1</i>	This study

YNL439	<i>MATa his3Δ200 leu2Δ0 lys2Δ0 trp1Δ63 ura3Δ0met15Δ0 can1::MFA1pr-HIS3 hht1-hhf1::NatMX4 hht2-hhf2::[HHTS-HHFS]*-ura3Δ H3K37A HMO1-6XHA::HphNT1</i>	This study
YNL442	<i>MATa his3Δ200 leu2Δ0 lys2Δ0 trp1Δ63 ura3Δ0met15Δ0 can1::MFA1pr-HIS3 hht1-hhf1::NatMX4 hht2-hhf2::[HHTS-HHFS]*-ura3Δ ρ-</i>	This study
YNL445	<i>MATa his3Δ200 leu2Δ0 lys2Δ0 trp1Δ63 ura3Δ0met15Δ0 can1::MFA1pr-HIS3 hht1-hhf1::NatMX4 hht2-hhf2::[HHTS-HHFS]*-ura3Δ ρ-</i>	This study
Plasmid	Description	Reference/Source
pRS415	<i>LEU2 CEN/ARS</i>	(1)
pRS416	<i>CEN/ARS URA3</i>	(1)
pRS425	<i>LEU2 2μ</i>	(1)
pPL155	<i>HA3-TOR1 A1957V</i>	(2)
pPHY1299	pRS425; <i>PDE2</i>	(3)
pHMO1	<i>GAL1-HMO1-6XHis/3XHA/Protein A URA3</i>	Open Biosystems
pNHP6A	<i>GAL1-NHP6A-6XHis/3XHA/Protein A URA3</i>	Open Biosystems
pNHP10	<i>GAL1-NHP10-6XHis/3XHA/Protein A URA3</i>	Open Biosystems
pABF2	<i>GAL1-ABF2-6XHis/3XHA/Protein A URA3</i>	Open Biosystems
pIXR1	<i>GAL1-IXR1-6XHis/3XHA/Protein A URA3</i>	Open Biosystems

References

1. Brachmann, C. B., A. Davies, G. J. Cost, E. Caputo, J. Li, P. Hieter, and J. D. Boeke. 1998. Designer deletion strains derived from *Saccharomyces cerevisiae* S288C: a useful set of strains and plasmids for PCR-mediated gene disruption and other applications. *Yeast* 14:115-132.
2. Reinke, A., J. C. Chen, S. Aronova, and T. Powers. 2006. Caffeine targets TOR complex I and provides evidence for a regulatory link between the FRB and kinase domains of Tor1p. *J Biol Chem* 281:31616-31626.
3. Howard, S. C., A. Hester, and P. K. Herman. 2003. The Ras/PKA signaling pathway may control RNA polymerase II elongation via the Spt4p/Spt5p complex in *Saccharomyces cerevisiae*. *Genetics* 165:1059-1070.