

Supplementary Table 1. Yeast strains utilized in current study

Strain	MAT	Relevant genotype
NKY291	a	<i>ho:: LYS2, ura3, lys2, leu2::hisG</i>
NKY292	α	<i>ho:: LYS2, ura3, lys2, leu2::hisG</i>
JDCY463, 465	a	<i>ChrIII-53k::hisG-URA3-hisG</i>
JDCY230, 231	a	<i>ChrIII-139k::hisG-URA3-hisG</i>
JDCY239, 243	a	<i>ChrIII-216k::hisG-URA3-hisG</i>
JDCY232, 233	a	<i>ChrIII-230k::hisG-URA3-hisG</i>
JDCY235, 237	a	<i>ChrIII-242k::hisG-URA3-hisG</i>
JDCY479, 498	a	<i>sml1Δ::HphMx4, ChrIII-53k::hisG-URA3-hisG</i>
JDCY333, 344	a	<i>sml1Δ::HphMx4, ChrIII-139k::hisG-URA3-hisG</i>
JDCY355, 357	a	<i>sml1Δ::HphMx4, ChrIII-216k::hisG-URA3-hisG</i>
JDCY329, 338	a	<i>sml1Δ::HphMx4, ChrIII-230k::hisG-URA3-hisG</i>
JDCY350, 293	a	<i>sml1Δ::HphMx4, ChrIII-242k::hisG-URA3-hisG</i>
JDCY469, 477	a/α	<i>ChrIII-53k::hisG-URA3-hisG/+</i>
JDCY179, 181	a/α	<i>ChrIII-139k::hisG-URA3-hisG/+</i>
JDCY199, 203	a/α	<i>ChrIII-216k::hisG-URA3-hisG/+</i>
JDCY185, 524	a/α	<i>ChrIII-230k::hisG-URA3-hisG/+</i>
JDCY189, 526	a/α	<i>ChrIII-242k::hisG-URA3-hisG/+</i>
JDCY487, 503	a/α	<i>sml1Δ::HphMx4/”, ChrIII-53k::hisG-URA3-hisG/+</i>
JDCY365, 367	a/α	<i>sml1Δ::HphMx4/”, ChrIII-139k::hisG-URA3-hisG/+</i>
JDCY397, 398	a/α	<i>sml1Δ::HphMx4/”, ChrIII-216k::hisG-URA3-hisG/+</i>
JDCY366, 376	a/α	<i>sml1Δ::HphMx4/”, ChrIII-230k::hisG-URA3-hisG/+</i>
JDCY491, 492	a/α	<i>rrmΔ::HphMX4/”, ChrIII-53k::hisG-URA3-hisG/+</i>
JDCY407, 429	a/α	<i>rrmΔ::HphMX4/”, ChrIII-139k::hisG-URA3-hisG/+</i>
JDCY406, 524	a/α	<i>rrmΔ::HphMX4/”, ChrIII-216k::hisG-URA3-hisG/+</i>
JDCY400, 411	a/α	<i>rrmΔ::HphMX4/”, ChrIII-230k::hisG-URA3-hisG/+</i>
JDCY191	a/α	<i>rrmΔ::HphMX4/”, ChrIII-242k::hisG-URA3-hisG/+</i>
JDCY486, 499	a/α	<i>mec1Δ:: LEU2/, sml1Δ::HphMx4/”, ChrIII-53k::hisG-URA3-hisG/+</i>
JDCY374, 375	a/α	<i>mec1Δ:: LEU2/, sml1Δ::HphMx4/”, ChrIII-139k::hisG-URA3-hisG/+</i>
JDCY395, 396	a/α	<i>mec1Δ:: LEU2/, sml1Δ::HphMx4/”, ChrIII-216k::hisG-URA3-hisG/+</i>
JDCY427	a/α	<i>mec1Δ:: LEU2/, sml1Δ::HphMx4/”, ChrIII-230k::hisG-URA3-hisG/+</i>
JDCY311, 394	a/α	<i>mec1Δ:: LEU2/, sml1Δ::HphMx4/”, ChrIII-242k::hisG-URA3-hisG/+</i>