Table S1 List of Yeast Strains.

All strains are isogenic to YPH499 unless otherwise indicated.

Strain	Genotype	Reference
YPH499	MATa *ura3-52, lys2-801, ade2-101, his3Δ200, leu2Δ1,trp1Δ63*	P. Hieter
YVM1370	*MATa SPC24::kanMX6*	(MONTPETIT *et al.* 2005)
YVM1448	MATa *spc24-8::kanMX6*	(MONTPETIT *et al.* 2005)
YVM1380	MATa *spc24-9::kanMX6*	(MONTPETIT *et al.* 2005)
YVM1363	MATa *spc24-10::kanMX6*	(MONTPETIT *et al.* 2005)
YLM1572	MATa *ras2Δ::LEU2*	(HO and BRETSCHER 2001)
YLM1813	MATa *ras2Δ::LEU2 spc24-8::kanMX6*	This study
YLM1568	MATa *ras2Δ::LEU2 spc24-9::kanMX6*	This study
YLM1815	MATa *ras2Δ::LEU2 spc24-10::kanMX6*	This study
YM81	MATa *mad2Δ::HIS3*	P. Hieter
YVM1515	MATa *mad2Δ::HIS3 spc24-8::kanMX6*	This study
YLM1985	MATa *ras2Δ::LEU2 mad2Δ::HIS3*	This study
YLM1983	MATa *ras2Δ::LEU2 mad2Δ::HIS3 spc24-8::kanMX6*	This study
YM2241	MATa *ndc10ΔHIS3 ndc10-1::kanMX6* CFIII TRP1	This study
YM2268	MATa *ndc10ΔHIS3 ndc10-1::kanMX6 ras2Δ::LEU2*	This study
YBL69-4-6d	MATa *ipl1-321 trp1Δ63 ade2 leu2 his3Δ200*	B. Lavoie
YM2273	MATa *ipl1-321 ras2Δ::LEU2*	This study
YVM64	MATa *ade2-1, can1-100, his3-11,15, leu2-3,112, trp1-1 ura3-1*	D. Stillman
PWY754	MATa *ade2-1, can1-100, his3-11,15, leu2-3,112, trp1-1 spc25-1*	(WIGGE and KILMARTIN 2001)
YKH628	MATa *ade2-1, can1-100, his3-11,15, leu2-3,112, trp1-1 ndc80-1*	(WIGGE and KILMARTIN 2001)
PSY455	MATa *ura3-52 leu2-3,11 trp1-Δ1 nuf2-61*	(OSBORNE *et al.* 1994)

LITERATURE CITED

HO, J., and A. BRETSCHER, 2001 Ras regulates the polarity of the yeast actin cytoskeleton through the stress response pathway. Mol Biol Cell **12:** 1541-1555.

MONTPETIT, B., K. THORNE, I. BARRETT, K. ANDREWS, R. JADUSINGH *et al.*, 2005 Genome-wide synthetic lethal screens identify an interaction between the nuclear envelope protein, Apq12p, and the kinetochore in Saccharomyces cerevisiae. Genetics **171:** 489-501.

OSBORNE, M. A., G. SCHLENSTEDT, T. JINKS and P. A. SILVER, 1994 Nuf2, a spindle pole body-associated protein required for nuclear division in yeast. J Cell Biol **125:** 853-866.

WIGGE, P. A., and J. V. KILMARTIN, 2001 The Ndc80p complex from Saccharomyces cerevisiae contains conserved centromere components and has a function in chromosome segregation. J Cell Biol **152:** 349-360.