

Albert et al., <http://www.jcb.org/cgi/content/full/jcb.201006040/DC1>

Table S1. Yeast strains used in this study

Strain	Genotype	Source
<i>S. cerevisiae</i>		
BY4741	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0</i>	EUROSCARF
BY4742	<i>MATalpha his3Δ1 leu2Δ0 lys2Δ0 ura3Δ0</i>	EUROSCARF
ODN1-1a	<i>MATa his3Δ1 leu2Δ0 met15Δ0 ura3Δ0 trp1Δ0</i>	This study
TMS1-1A	<i>MATa his3-Δ1, leu2-Δ0, C, ura3-Δ0, ade2-801, lys2-801, LYS2::TETR-GFP, nup49-Δ::HPH-MX6 + pASZ11-NUPNOP(GFP-NUP49 mCherry-NOP1)</i>	This study
BEN18-1a	<i>MATa his3-Δ1, leu2-Δ0, C, ura3-Δ0, ade2-801, lys2-801, LYS2::TETR-GFP, nup49-Δ::HPH-MX6 rpa34Δ::kanMX4 + pASZ11-NUPNOP(GFP-NUP49 mCherry-NOP1)</i>	This study
BEN19-1A	<i>MATa his3-Δ1, leu2-Δ0, C, ura3-Δ0, ade2-801, lys2-801, LYS2::TETR-GFP, nup49-Δ::HPH-MX6 rpa49Δ::kanMX4 + pASZ11-NUPNOP(GFP-NUP49 mCherry-NOP1)</i>	This study
NOY1071	<i>MATa leu2-3,112 ura3-1 his3-11 trp1-1 ade2-1 can1-100 fob1D::HIS3 rDNA copy number 25</i>	Machín et al., 2006
NOY1064	<i>MATa leu2-3,112 ura3-1 his3-11 trp1-1 ade2-1 can1-100 fob1D::HIS3 rDNA copy number 190</i>	Machín et al., 2006
BEN20-1A	<i>MATa leu2-3,112 ura3-1 his3-11 trp1-1 ade2-1 can1-100 fob1D::HIS3 rpa49::kanMX4 rDNA copy number 25</i>	This study
BEN21-1A	<i>MATa leu2-3,112 ura3-1 his3-11 trp1-1 ade2-1 can1-100 fob1D::HIS3 rpa49::kanMX4 rDNA copy number 190</i>	This study
RPA49D::KAN	<i>MATalpha, his3Δ1 leu2Δ0 ura3Δ0 met15Δ0 rpa49Δ::kanMX4</i>	This study
RPA34Δ::KAN	<i>MATa his3Δ1 leu2Δ0 met15 ura3Δ0 lys2Δ0 YJL148WΔ -KAN-MX</i>	This study
rpa135-D395N	<i>ura3 trp1 his3 lys2-801 ade2D ade3D leu2-3,112 rpa135-D395N rpa34D::HIS3 // + pOG1-A34 (ADE3 URA3 RPA34)</i>	Beckouet et al., 2008
BEN24	<i>MATa/MATalpha his3Δ1/his3Δ1 leu2Δ0/leu2Δ0 met15Δ0/MET15 LYS2/lys2Δ0 ura3Δ0/ura3Δ0 RPA190-HA::kanMX4/ RPA190-Myc::kanMX4</i>	This study
BEN25	<i>MATa/MATalpha his3Δ1/his3Δ1 leu2Δ0/leu2Δ0 met15Δ0/MET15 LYS2/lys2Δ0 ura3Δ0/ura3Δ0 rpa49-Δ::HPH-MX6/ rpa49-Δ::HPH-MX6 RPA190-HA::kanMX4/ RPA190-Myc::kanMX4</i>	This study
<i>S. pombe</i>		
T611	<i>ade6-M210 ura4-D18 leu1-32, mating type h-</i>	Pelloquin et al., 1999
T612	<i>ade6-M210 ura4-D18 leu1-32, mating type h+</i>	Pelloquin et al., 1999
BENSP1-1A	<i>ade6-M210 ura4-D18 leu1-32, rpa34::kan-MX4</i>	This study
BENSP2-1A	<i>ade6-M210 ura4-D18 leu1-32, rpa51::URA4</i>	This study

Table S2. **Oligonucleotides used in this study**

Name	N°	Sequence
o_RPA34_944	458	5'-GCTATTGATTACAGTAAGG-3'
o_RPA34_40	457	5'-AGGCTGTGATCGAGTGAGC-3'
Rpa49(-504)Fo	649	5'-CATAGTTTCTGGCATGACCC-3'
Rpa49(1701)Re	650	5'-GAAGAATCCTGGTAGTATGG-3'
Rep41-for	740	5'-TTTTTAATTAATCGGCTAGCCGCCCCATCACAAAGTTGTACAAAAAGCTGAACGAGAAACGT-3'
Rep41-rev	741	5'-CCGCTCGAGCGGGCAGCCCATCAACCACITTTGTACAAGAAAGCTGAACGAGAAAC-3'
attB1-rpa34sp	742	5'-GGGGACAAGTTTGTACAAAAAGCAGGCTTAATGGCAAAATCAAGTGAATTTGTAACGAGG-3'
attB2-rpa34sp	743	5'-GGGGACCACITTTGTACAAGAAAGCTGGGTGCTAATTTTTTCTTTTTGCTGGATTTCTTTTGC-3'
AttB1RPA49	744	5'-GGGGACAAGTTTGTACAAAAAGCAGGCTTAATGGCAGGTGACGAGTTAAAGGGCAAGAAGC-3'
AttB2RPA49	745	5'-GGGGACCACITTTGTACAAGAAAGCTGGGTGCTAATTTCTAGCGCTCCACGTCGAGGTTTAGG-3'
Rpa34sp-kan-for	746	5'-TACCTACGTTGTGACCCACAAGCTCACCAGAGCAAAATACAGGTACGCTT GCAAAATTCACITTTAAATTTACTGGGGCGTAAAACGACGGCCAGT-3'
Rpa34sp-kan-for	747	5'-TTGCGTTTCCAGCAACCTTACAAATTCTAAAACAAACCGTTGATG CAGATTTTGTCTAAAATATTTAAACAATTTCCCCAGGAAACAGCTATGACCATG-3'
GEX_49_for	802	5'-TCCCCCGGGccATGTCCGTGAAAAGGTCTGTTTCTGAAATCGAAATTGAAAGTGTCAAGATCAACCCTC-3'
GEX_49_rev	803	5'-AAAACCGCTCGAGATCGATCGATCTAACGTCTTGG CCTCTTCTTCTTGTCAATTCAGGTAGCTTAAATGGA-3'
Pef28_34_for	804	5'-TTCATGCCATGGGTATGTCCAAGCTTTGAAAGATT ACGTATCAGATTCAGACTCTGATGATGAAGTGATATCAA-3'
Pef28_34_rev	805	5'-CGCGGATCCGCGCCGATCGGCTACTAAGCGTAATCTGGAA CATCGTATGGGTAAGCATCTCTATGTTCTTTTTCTTATCCTTTTATCCTTCTTCTCCC-3'
Pef28_43_for	806	5'-TTCATGCCATGGGTATGTACAAGTAAAAAGAGCCAA TGAGAACCGCGAAACCGCAAGGTTTCATCAAGAAACACA-3'
Pef28_43_rev	807	5'-CGCGGATCCGCGCCGATCGGCTAAGCGTAATCTGGAACATCGTAT GGGTAAGCATCACTATCACTCGATTACCATCATTGCTTTCCTGTTTCT-3'

Table S3, showing relative enrichment of each detected yeast ORF deletion, is provided as an Excel file.

## References

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