

Supplementary table S4. List of the 36 known protein complexes present in the raw dataset as the result of a single purification. These complexes were not automatically retrieved with our scoring and clustering approach. The first and second columns refer to the complexes identifier and name, respectively. Under column three, the complex components, retrieved in our analysis, are listed. The subcellular localizations of the protein complexes as well as the biological processes to which they participate are indicated in columns four and five, respectively.

ID	Complex name	Components	Localizations	Processes
m1	Mak3p/Mak10p/Mak31p complex	Mak10 Mak3 Mak31	cytoplasm, nucleus	protein modification
m2	Ssn6/Tup1 complex	Cyc8 Tup1	nucleus	transcription
m3	Polarisome	Pea2 Spa2	cell periphery, bud neck	pseudohyphal growth, cell budding
m4	Succinate dehydrogenase complex	Sdh1 Sdh2	mitochondrion	carbohydrate metabolism
m5	Cohesin complex	Scc2 Scc4	nucleus, cytoplasm	cell cycle
m6	Atg18/Atg2 complex	Atg18 Atg2	ambiguous	organelle organization and biogenesis, sporulation
m7	Protein sorting complex	Sec23 Sfb3	ER to Golgi	vesicle-mediated transport, transport
m8	Peroxisomal import complex	Pex14 Pex17	peroxisome	organelle organization and biogenesis
m9	Abp1/Actin protein complex	Abp1 Act1	actin	cytoskeleton organization and biogenesis
m10	Succinyl CoA Ligase complex	Lsc1 Lsc2	mitochondrion	carbohydrate metabolism
m11	Hrd1/Hrd3 complex	Hrd1 Hrd3 Usa1 Yos9	ER	protein catabolism
m12	Ard1/Nat1 protein N-acetyltransferase complex	Ard1 Nat1	cytoplasm	protein modification
m13	tRNA methyltransferase complex	Trm8 Trm82	nucleus	RNA metabolism
m14	Fig4 phosphatase complex	Fig4 Vac14	vacuole	organelle organization and biogenesis, lipid metabolism
m15	Nuclear pore complex (NPC)	Hms1 Nup170 Nup53	nuclear periphery	nuclear organization and biogenesis
m16	ESCRT-I complex	Srn2 Stp22 Vps28 Ygr206w	endosome, punctate composite	transport
m17	Tph1/Sac3 complex	Sac3 Thp1	nuclear periphery	transport
m18	Kinetochore checkpoint complex	Bub1 Bub3	nucleus, cytoplasm	cell cycle
m19	Geranylgeranyltransferase type II	Bet2 Bet4		protein modification
m20	Protein phosphatase I	Glc7 Glc8	cytoplasm, nucleus	carbohydrate metabolism, energy pathways
m21	Superoxide dismutase	Ccs1 Sod1	cytoplasm, nucleus	transport
m22	CCATT-binding complex	Hap2 Hap3 Hap5	nucleus, cytoplasm	transcription
m23	Nem1p/Spo7p complex	Nat1 Nem1 Spo7	nucleus, nuclear envelope	nuclear organization and biogenesis
m24	Isocitrate dehydrogenase complex	Idh1 Idh2	mitochondrion	carbohydrate metabolism
m25	Geranylgeranyltransferase type I complex	Cdc43 Ram2	cytoplasm, nucleus	signal transduction
m26	RNA polymerase II C-terminal domain (CTD) kinase subcomplex TFIIF	Ccl1 Dcs2 Kin28 Tfb3	nucleus, cytoplasm	transcription

m27	RTG transcription factor complex	Abf2 Rtg1 Rtg3	nucleus, cytoplasm	transcription
m28	Pho85-cyclin complex	Pcl7 Pho85	cytoplasm	carbohydrate metabolism, cell cycle
m29	Tor1/Kog1 complex	Kog1 Tor1	vacuolar membrane	meiosis, signal transduction
m30	Calcineurin	Cmd1 Cmp2 Cna1 Cnb1	cytoplasm	cell wall organization and biogenesis
m31	Spindle assembly checkpoint Mad1/Mad2 complex	Mad1 Mad2	nuclear periphery	cell cycle, transport
m32	Transcription factor IIA complex	Toa1 Toa2		transcription
m33	TFIIE	Tfa1 Tfa2	nucleus	transcription
m34	Protein farnesyltransferase complex	Ram1 Ram2	cytoplasm	protein modification
m35	Vacuolar iron transport complex	Fet5 Fth1	vacuolar membrane	transport, vesicle-mediated transport
m36	DNA repair complex	Rad23 Rad4	nucleus, cytoplasm	protein catabolism