

Supplementary Table 1

	ORF	Gene	Total/Unique Peptides	Coverage	Daltons	Protein Function
1	YDR477W	SNF1	953 / 221	80.10%	72045	alpha subunit of Snf1 kinase complex
2	YER027C	GAL83	861 / 169	86.6%	46648	beta subunit of Snf1 kinase complex
3	YDR028C	REG1	483 / 122	63.50%	112616	regulatory subunit of protein phosphatase type 1
4	YGL115W	SNF4	433 / 86	82.90%	36401	gamma subunit of Snf1 kinase complex
5	YDL229W	SSB1	119 / 54	60.70%	66602	HSP70 protein
6	YNL209W	SSB2	119 / 56	60.70%	66595	HSP70 protein
7	YGL208W	SIP2	133 / 43	58.80%	46405	beta subunit of Snf1 kinase complex
8	YER177W	BMH1	52 / 22	58.10%	30091	14-3-3 protein
9	YDR099W	BMH2	51 / 22	56.00%	31061	14-3-3 protein
10	YLL039C	UBI4	40 / 3	5.80%	42826	Ubiquitin polyprotein
11	YER129W	SAK1	14 / 11	12.30%	126872	Snf1-activating kinase
12	YAL005C	SSA1	10 / 9	14.00%	69768	HSP70 protein
13	YLL024C	SSA2	10 / 9	13.80%	69470	HSP70 protein
14	YBL075C	SSA3	9 / 7	8.00%	70547	HSP70 protein
15	YIL148W	RPL40A	8 / 3	17.20%	14554	ribosomal protein
16	YLR167W	RPS3	8 / 3	14.50%	17216	ribosomal protein
17	YKR094C	RPL40B	8 / 3	17.20%	14554	ribosomal protein
18	YNL178W	RPS3	6 / 5	27.90%	26503	ribosomal protein
19	YMR277W	FCP1	6 / 2	3.00%	83441	TFIIF-interacting component of the CTD phosphatase
20	YJL074C	SMC3	6 / 2	2.00%	141336	Cohesin, coiled-coil protein of the SMC family
21	YGR192C	TDH3	5 / 4	20.50%	35747	glyceraldehyde-3-phosphate dehydrogenase 3
22	YFR014C	CMK1	5 / 2	6.30%	50296	calmodulin-dependent protein kinase
23	YGR214W	RPS0A	4 / 4	18.30%	28024	ribosomal protein
24	YLR048W	RPSOB	4 / 4	18.30%	27962	ribosomal protein
25	YGR130C		4 / 3	7.70%	92698	Protein of unknown function
26	YJR123W	RPS5	4 / 2	13.80%	25039	ribosomal protein
27	YKL054C	DEF1	4 / 2	4.30%	83973	Protein involved in vacuolar import and degradation
28	YDR145W	TAF12	4 / 2	3.20%	61073	Subunit of TFIID and SAGA complexes
29	YHL008C		4 / 2	4.10%	69969	Member of the formate-nitrite porter family
30	YFL039C	ACT1	3 / 3	7.20%	41690	actin
31	YEL030W	ECM10	3 / 3	4.50%	70085	possible cell wall structure or biosynthesis protein
32	YKR054C	DYN1	3 / 3	0.90%	471351	heavy chain of cytoplasmic dynein
33	YHR016C	YSC84	3 / 2	4.90%	50902	Protein involved in cortical actin patch polarization
34	YDL190C	UFD2	3 / 2	3.30%	109906	Ubiquitin fusion degradation protein
35	YHR186C	KOG1	3 / 2	2.60%	177608	Component of the TOR complex 1

36	YER013W	PRP22	3 / 2	2.40%	130010	Pre-mRNA splicing factor
37	YNR001C	CIT1	3 / 2	2.30%	53360	Citrate synthase
38	YKL182W	FAS1	3 / 2	2.00%	228689	Fatty-acyl-CoA synthase
39	YGR270W	YTA7	3 / 2	1.80%	157406	member of CDC48/PAS1/SEC18 family of ATPases
40	YJL020C	BBC1	2 / 2	2.40%	128296	possible actin cytoskeleton protein
41	YGL162W	SUT1	2 / 2	12.70%	33191	zinc cluster transcription factor
42	YOR187W	TUF1	2 / 2	6.20%	47972	Translation elongation factor Tu
43	YJL102W	MEF2	2 / 2	5.70%	91283	mitochondrial translation elongation factor G
44	YML106W	URA5	2 / 2	5.30%	24664	Orotate phosphoribosyltransferase 1
45	YNL096C	RPS7B	2 / 2	4.20%	21634	ribosomal protein
46	YOR096W	RPS7A	2 / 2	4.20%	21622	ribosomal protein
47	YHR103W	SBE22	2 / 2	4.10%	96398	Protein required for bud growth
48	YNL039W	BDP1	2 / 2	3.70%	67688	TFIIIB subunit
49	YMR266W	RSN1	2 / 2	2.80%	107672	Possible membrane transporter
50	YGL195W	GCN1	2 / 2	0.70%	296697	activator of Gcn2p protein kinase