

Table S2. List of the genes up-regulated in nitrogen-starved wild-type (*gaf1*⁺) cells (Group -N)

* 1,301 genes

Systematic	Gene name	Description (GeneDB)	Description (FunCat2)	Expression Ratio (WT, -N) / (WT, +N)
SPCC417.06c	<i>nmt1</i>	no message in thiamine Nmt1	no message in thiamine Nmt1	1118.03
SPAC589.07c		urea transporter (predicted)		184.12
SPCC1183.10		conserved fungal protein	conserved fungal protein	165.16
SPAC11H11.01		hydrolase (predicted)	hydrolase (predicted)	107.88
SPAC3C7.02c	<i>map2</i>	P-factor	P-factor (PMID 8314086)	101.73
SPCC126.02c	<i>ght3</i>	hexose transporter Ght3	hexose transporter Ght3 (PMID 10735857)	93.52
SPCC417.10	<i>mug14</i>	adducin	adducin	82.76
SPCC645.03c	<i>mel1</i>	alpha-galactosidase	alpha-galactosidase (PMID 15580593)	76.27
SPCC1529.01		sequence orphan	sequence orphan	74.11
SPCC622.06c	<i>ght1</i>	hexose transporter Ght1	hexose transporter Ght1 (PMID 10735857)	73.22
SPAC32A11.03c		HbrB family protein	HbrB family protein	64.14
SPAC1002.06c		sequence orphan	sequence orphan	59.80
SPBP8B7.23		short chain dehydrogenase (predicted)	short chain dehydrogenase	56.61
SPAC637.03		pyruvate decarboxylase (predicted)	pyruvate decarboxylase (predicted)	56.51
SPBC31E1.04	<i>mfm1</i>	M-factor precursor Mfm1	M-factor precursor Mfm1	55.56
SPBC19C7.10		conserved fungal protein	conserved fungal protein	52.42
SPAC26F1.04c		sequence orphan		52.18
SPBC337.07c		succinate-semialdehyde dehydrogenase (predicted)	succinate-semialdehyde dehydrogenase (predicted)	51.13
SPAC24C9.15c		cation binding protein (predicted)	cation binding protein (predicted)	49.90
SPBC20F10.03		epimarase (predicted)	epimarase (predicted)	47.03
SPBC146.02		phosphoketolase (predicted)		46.46
SPAC3C7.05c	<i>ppk33</i>	serine/threonine protein kinase Ppk33 (predicted)	serine/threonine protein kinase Ppk33 (predicted)	46.35
SPBC17D11.01	<i>mei2</i>	RNA-binding protein involved in meiosis Mei2	RNA-binding protein involved in meiosis Mei2	43.74
SPAC57A7.08	<i>mug147</i>	sequence orphan		43.26
SPBC16D10.06		sulfonate dioxygenase (predicted)	sulfonate dioxygenase (predicted)	41.89
SPCC1739.08c		short chain dehydrogenase (predicted)	short chain dehydrogenase (predicted)	41.51

SPBC14F5.10c	<i>ght4</i>	hexose transporter Ght4	hexose transporter Ght4 (PMID 10735857)	41.18
SPAC11D3.10		rhomboid family protease		41.09
SPBC17D1.07c		PI31 proteasome regulator related		40.76
SPAPB2B4.04c		glucan 1,4-alpha-glucosidase (predicted)	glucan 1,4-alpha-glucosidase (predicted)	40.20
SPAC23C11.10	<i>inv1</i>	beta-fructofuranosidase	beta-fructofuranosidase	39.29
SPBC1683.02	<i>spk1</i>	MAP kinase Spk1	MAP kinase Spk1	36.46
SPAC31G5.21	<i>isp5</i>	amino acid permease Isp5	amino acid permease Isp5	33.67
SPACUNK4.16c		esterase/lipase (predicted)	esterase/lipase (predicted)	33.62
SPAC15A10.03c	<i>isp3</i>	sequence orphan	sequence orphan	33.50
SPCC1393.05		ThiJ domain protein	ThiJ domain protein	33.31
SPAC1F7.10		ThiJ domain protein	ThiJ domain protein	33.27
SPAC9G1.06c		sequence orphan	sequence orphan	32.13
SPBC19C2.11c	<i>fbp1</i>	fructose-1,6-bisphosphatase Fbp1		31.86
SPBPB21E7.01c		pseudo SPAC5H10.03	pseudo SPAC5H10.03	31.49
SPCC285.06c	<i>agl1</i>	alpha-glucosidase Agl1	alpha-glucosidase Agl1	31.15
SPBP4H10.10		short chain dehydrogenase (predicted)	short chain dehydrogenase (predicted)	28.82
SPCC364.05		sequence orphan		27.92
SPBP19A11.02c	<i>eno102</i>	enolase (predicted)	enolase (predicted)	26.65
SPAC12B10.11		copper amine oxidase (predicted)		25.57
SPBC1347.01c		fumarate lyase superfamily		24.32
SPCC1281.08		sequence orphan	sequence orphan	24.12
SPAC2G11.05c	<i>lsd90</i>	Lsd90 protein		22.97
SPAC6F12.08c		sequence orphan		22.95
SPBC19G7.13	<i>pol4</i>	DNA polymerase X family	DNA polymerase X family	22.72
SPBC8E4.03		uricase (predicted)	uricase (predicted)	22.52
SPBC365.08c		MIP water channel (predicted)	MIP water channel	22.08
SPAC732.02c		dubious	sequence orphan	21.84
SPAC9E9.15		mitochondrial iron-containing alcohol dehydrogenase family protein	glycerol dehydrogenase (Phlippen, Stevens, Wolf,Zimmermann manuscript in preparation)	21.62
SPAC24H6.11c	<i>shk2</i>	PAK-related kinase Shk2	PAK-related kinase Shk2 (PMID 9660817) (PMID 9660818)	20.72
SPBC3E7.02c	<i>mug182</i>	YjeF family protein	YjeF family protein	19.31
SPCC777.05		DUF1761 family protein	DUF1761 family protein	19.11
SPBC337.12	<i>mug114</i>	sequence orphan	sequence orphan	18.64
SPAC12B10.16c		ThiJ domain protein	ThiJ domain protein	18.51

SPAC15A10.16		conserved fungal protein		18.38
SPBC16E9.11c		UPF0103 family	UPF0103 family	17.26
SPCC965.07c		glucose-6-phosphate 1-dehydrogenase (predicted)	glucose-6-phosphate 1-dehydrogenase (predicted)	17.22
SPCC1259.12c		UDP-glucose 4-epimerase		16.93
SPAC31A2.12		agmatinase (predicted)	agmatinase (predicted)	16.87
SPACUNK4.15		phosphoglycerate mutase family	phosphoglycerate mutase family	16.35
SPAC227.04		term=sequence orphan; date=20080121	previously annotated as dubious, may not be protein coding	16.28
SPAC22H10.07		yippee-like protein	yippee-like protein	16.23
SPCC162.06c		membrane transporter (predicted)	purine permease (predicted)	16.03
SPCC330.11	<i>meu31</i>	sequence orphan	sequence orphan	15.76
SPCC1223.13	<i>gmh1</i>	alpha-1,2-galactosyltransferase Gmh1 (predicted)	alpha-1,2-galactosyltransferase Gmh1	15.73
SPBC15D4.15	<i>rsv1</i>	transcription factor Rsv1 (predicted)		15.71
SPAC513.05		sequence orphan	sequence orphan	15.60
SPBC21C3.10c		pseudogene	pseudogene	15.21
SPCC622.05		glucose-6-phosphate 1-dehydrogenase (predicted)	glucose-6-phosphate 1-dehydrogenase (predicted)	15.14
SPAC11H11.04	<i>mug190</i>	C2 domain protein	C2 domain protein Tcb3 (predicted)	15.06
SPAC22H10.06c	<i>matmi_1</i>	mating-type m-specific polypeptide mi		15.00
SPAC323.06c	<i>mug143</i>	sequence orphan	sequence orphan	14.88
SPCPB1C11.01		dubious	sequence orphan	14.75
SPBC21H7.06c	<i>urg1</i>	GTP cyclohydrolase II (predicted)	GTP cyclohydrolase (predicted)	14.73
SPAC19B12.07c	<i>rgs1</i>	regulator of G-protein signaling Rgs1	regulator of G-protein signaling Rgs1	14.48
SPAC57A7.09		pseudogene, similar to N-terminal of transmembrane channel	pseudogene, similar to N-terminal of transmembrane channel	14.00
SPCPB1C11.02		phosphoprotein phosphatase (predicted)	phosphoprotein phosphatase	13.26
SPBC32F12.09		membrane transporter	membrane transporter	13.12
SPBC685.05		FMN dependent dehydrogenase	FMN dependent dehydrogenase	12.92
SPAC17C9.12		protein kinase inhibitor (predicted)	protein kinase inhibitor (predicted)	12.84
SPAC3G6.05		DUF1770 family protein	DUF1770 family protein	12.66
SPAC24H6.01c		human AMMECR1 homolog	human AMMECR1 homolog	12.46
SPBC36B7.09	<i>dak2</i>	dihydroxyacetone kinase Dak2	dihydroxyacetone kinase Dak2 (PMID 9804990)	12.35
SPAC23H4.14	<i>zym1</i>	metallothionein	metallothionein (PMID 12050156)	12.32
SPBC1683.13c		conserved fungal protein		12.30

SPAC2G11.03c		allantoicase (predicted)	allantoicase (predicted)	12.13
SPBC15C4.06c		galactose-1-phosphate uridylyltransferase (predicted)		12.08
SPAC1F5.04c		FAD-dependent amino acid oxidase (predicted)	amino acid oxidase (predicted)	12.04
SPAC630.04c		methyltransferase (predicted)	methyltransferase (predicted)	12.02
SPAC1834.09		zinc finger protein zf-AN1 type	zinc finger protein zf-AN1 type	11.92
SPAPB24D3.10c	<i>rec24</i>	meiotic recombination protein Rec24	meiotic recombination protein Rec24	11.82
SPBP35G2.11c	<i>map1</i>	MADS-box transcription factor Map1	MADS-box transcription factor Map1	11.77
SPAC13G7.07	<i>gpa1</i>	G-protein alpha subunit		11.54
SPBC19F8.01c	<i>mug108</i>	sequence orphan	sequence orphan	11.15
SPBC3H7.08c		sequence orphan	sequence orphan	11.14
SPBC1271.14	<i>ste7</i>	meiotic suppressor protein Ste7	meiotic suppressor protein Ste7	11.05
SPBC31F10.08	<i>mug158</i>	sulfatase modifying factor 1 related		11.04
SPAC4G9.04c	<i>wtf22</i>	wtf element Wtf22		11.02
SPBC4C3.12	<i>ste4</i>	adaptor protein Ste4	adaptor protein Ste4	10.87
SPBC3E7.05c		conserved fungal protein	conserved fungal protein	10.84
SPAC11D3.16c	<i>rho5</i>	Rho family GTPase Rho5	Rho family GTPase Rho5	10.67
SPBC21.06c	<i>mug191</i>	alpha-1,6-mannanase (predicted)	alpha-1,6- mannanase (predicted)	10.52
SPBPB21E7.02c	<i>mug55</i>	Cdc20/Fizzy family WD repeat protein	Cdc20/Fizzy family WD repeat protein	10.40
SPCC594.06c		potassium channel subunit (predicted)	potassium channel subunit (predicted)	10.30
SPAC1610.04	<i>aif1</i>	apoptosis-inducing factor homolog Aif1	apoptosis-inducing factor homolog Aif1	10.29
SPCPJ732.02c		pseudogene		10.23
SPBC16C6.06		uridine ribohydrolase (predicted)	uridine ribohydrolase (predicted)	10.11
SPAPB1A10.10c		glycerophosphodiester transporter	glycerophosphodiester transporter	10.11
SPAPB2B4.01c		G-protein coupled receptor (predicted)	G-protein coupled receptor (predicted)	10.00
SPAC17A5.11		sequence orphan	sequence orphan	9.85
SPBC36.11	<i>map4</i>	cell agglutination protein Map4		9.74
SPAC27F1.08	<i>gti1</i>	gluconate transporter inducer Gti1	gluconate transporter inducer Gti1	9.66
SPBC1A4.04		sequence orphan	sequence orphan	9.58
SPAC17A2.11	<i>mmf2</i>	homologous Pmf1p factor 1		9.58
SPAC1952.17c	<i>isp4</i>	OPT oligopeptide transporter family		9.49
SPBC24C6.07		sequence orphan	sequence orphan	9.40
SPAC26A3.14c		ureidoglycolate hydrolase (predicted)	ureidoglycolate hydrolase (predicted)	9.40
SPBC56F2.06		aldo/keto reductase, unknown biological role		9.24
SPCC1020.05		hydrolase (inferred from context)	hydrolase (inferred from context)	9.18
SPCC1393.10		sequence orphan	sequence orphan	8.92

SPAC167.08		OPT oligopeptide transporter family	OPT oligopeptide transporter family	8.80
SPBC21.07c	<i>isp7</i>	2-OG-Fe(II) oxygenase superfamily protein	2-OG-Fe(II) oxygenase superfamily protein	8.46
SPCC622.02		carbon-sulfur lyase (predicted)	carbon-sulfur lyase (predicted)	8.45
SPAC323.07c		S-adenosylmethionine-dependent methyltransferase (predicted)	S-adenosylmethionine-dependent methyltransferase (predicted)	8.44
SPAC2F7.08c	<i>mfm3</i>	M-factor precursor Mfm3		8.41
SPBC1718.07c	<i>bsu1</i>	high-affinity import carrier for pyridoxine, pyridoxal, and pyridoxamine Bsu1	high-affinity import carrier for pyridoxine,pyridoxal, and pyridoxamine Bsu1	8.40
SPBC354.15		phosphoprotein phosphatase (predicted)		8.40
SPAC15A10.05c		conserved fungal protein	conserved fungal protein	8.29
SPCC777.13		NADH-dependent flavin oxidoreductase (predicted)		7.97
SPAC17A2.01		sequence orphan	sequence orphan	7.94
SPCPB1C11.03		DNAJ domain protein	DNAJ domain protein	7.81
SPAC1687.12c		riboflavin synthase	riboflavin synthase (PMID 14690539)	7.78
SPAC1635.01		tspO homolog		7.60
SPCPB16A4.06c		autophagy associated protein (predicted)		7.59
SPAC750.04c		membrane transporter (predicted)	membrane transporter (predicted)	7.57
SPCC757.13		amino acid permease, unknown 12		7.57
SPAC2E1P3.01		N-acetyltransferase (predicted)	N-acetyltransferase (predicted)	7.55
SPBC14C8.08c	<i>wtf3</i>	wtf element Wtf3	wtf element Wtf3	7.50
SPAC3A11.10c		S. pombe specific UPF0321 family protein 3	S. pombe specific UPF0321 family protein 3	7.42
SPBC2F12.09c	<i>ste6</i>	guanyl-nucleotide exchange factor Ste6	guanyl-nucleotide exchange factor Ste6	7.40
SPAC144.17c	<i>tms1</i>	hexitol dehydrogenase (predicted)	hexitol dehydrogenase (predicted)	7.40
SPAC3A12.02	<i>gna1</i>	glucosamine-phosphate N-acetyltransferase	glucosamine-phosphate N-acetyltransferase	7.34
SPAP27G11.08c		conserved protein (fungal and plant)	conserved protein (fungal and plant)	7.31
SPAC13F5.03c		nucleotide-sugar 4,6-dehydratase (predicted)		7.21
SPBC725.06c	<i>aes1</i>	enhancer of RNA-mediated gene silencing	enhancer of RNA-mediated gene silencing (PMID 12034844)	7.14
SPCC4B3.17	<i>ppr1</i>	L-azetidine-2-carboxylic acid acetyltransferase	L-azetidine-2-carboxylic acid acetyltransferase (PMID 12761200)	7.09
SPAC1A6.06c	<i>ish1</i>	LEA domain protein		6.93
SPAC823.03		dipeptidyl aminopeptidase (predicted)	dipeptidyl aminopeptidase (predicted)	6.91

SPBC29A3.03c		short chain dehydrogenase (predicted)	short chain dehydrogenase (predicted)	6.85
SPBC21C3.11		pyrimidine 5'-nucleotidase (predicted)	pyrimidine 5'-nucleotidase (predicted)	6.82
SPBC1683.09c		peptidase family C54	peptidase family C54	6.81
SPBC776.15c		thioredoxin peroxidase	thioredoxin peroxidase	6.80
SPBC1711.01c		hydrolase		6.80
SPBC365.15		amidotransferase (predicted)	glutamine amidotransferase (predicted)	6.78
SPAC16E8.03		WD repeat protein	WD repeat protein	6.72
SPBC23E6.03c		galactokinase Gal1 (predicted)		6.72
SPAC57A10.08c		copper amine oxidase (predicted)	copper amine oxidase (predicted)	6.70
SPAC1D4.11c		FUN14 family protein	FUN14 family protein	6.70
SPAC29E6.07	<i>wtf4</i>	wtf element Wtf4, pseudo	wtf element Wtf4, pseudo	6.70
SPBC691.05c		sequence orphan	sequence orphan	6.58
SPAC23H3.15c		sequence orphan	sequence orphan	6.58
SPBC106.02c	<i>map3</i>	pheromone M-factor receptor	pheromone M-factor receptor (PMID 8380233)	6.53
SPBC14F5.11c		pyridoxal reductase (predicted)	pyridoxal reductase (predicted)	6.42
SPAC6F6.08c	<i>fus1</i>	formin Fus1	formin Fus1	6.37
SPAC1399.04c	<i>atg22</i>	autophagy associated protein Atg22 (predicted)	autophagy associated protein Atg22 (predicted)	6.29
SPBC16G5.16		DUF962 family protein	conserved protein (broad species distribution)	6.27
SPAC22H10.13		alpha,alpha-trehalose-phosphate synthase (predicted)	alpha,alpha-trehalose-phosphate synthase (predicted)	6.21
SPBC839.06		sequence orphan	sequence orphan	6.17
SPBC1652.01		serine protease (predicted)	serine protease (predicted)	6.12
SPBC1709.16c		iron/ascorbate oxidoreductase family		6.07
SPBC4B4.11		membrane transporter (predicted)		6.01
SPAC19D5.07		conserved fungal protein	conserved fungal protein	6.01
SPCC576.16c		DNA-3-methyladenine glycosidase Mag2 (predicted)		5.98
SPCC1840.04		fungal cellulose binding domain protein	fungal cellulose binding domain protein	5.98
SPBC17F3.02		agmatinase 2 (predicted)		5.96
SPAC688.13	<i>rem1</i>	meiosis-specific cyclin Rem1		5.94
SPCC70.07c		NAD-dependent glutamate dehydrogenase (predicted)	NAD-dependent glutamate dehydrogenase (predicted)	5.90
SPAC25H1.09	<i>atg20</i>	sorting nexin Atg20	sorting nexin Atg20	5.88

SPBC1683.06c	<i>ste11</i>	transcription factor Ste11		5.87
SPAC2E12.02	<i>mug8</i>	conserved fungal protein	conserved fungal protein	5.82
SPBC1348.14c	<i>mug86</i>	acetate transporter (predicted)	acetate transporter (predicted)	5.80
SPCC550.09	<i>cda1</i>	chitin deacetylase Cda1	chitin deacetylase Cda1	5.72
SPBC215.11c		conserved eukaryotic protein	conserved eukaryotic protein	5.71
SPBC15D4.07c		conserved fungal protein	conserved fungal protein	5.63
SPAC607.07c		human aprataxin homolog	conserved eukaryotic protein	5.62
SPCC1393.02c	<i>wtf17</i>	wtf element Wtf17, pseudo	wtf element Wtf17, pseudo	5.60
SPCC965.05c	<i>isp6</i>	vacuolar serine protease Isp6	vacuolar serine protease Isp6	5.54
SPAC140.04	<i>yak3</i>	aldose reductase YakC		5.54
SPAC27E2.06c		X-Pro dipeptidase (predicted)		5.49
SPBC2D10.20	<i>mug168</i>	sequence orphan	sequence orphan	5.42
SPAC31F12.01	<i>hri1</i>	eIF2 alpha kinase Hri1	eIF2 alpha kinase Hri1	5.40
SPAC26F1.14c		xylose and arabinose reductase (predicted)	xylose and arabinose reductase (predicted)	5.39
SPAC664.13	<i>ran1</i>	serine/threonine protein kinase Ran1		5.38
SPBC20F10.10	<i>cox3</i>	cytochrome c oxidase 3	cytochrome c oxidase 3; similar to S. cerevisiae Q0275	5.38
SPBC14C8.11c	<i>ucp10</i>	UBA/UAS domain protein Ucp10	UBA/UAS domain protein Ucp10	5.37
SPBC8D2.12c		aminotransferase class-III, unknown specificity	aminotransferase class-III (predicted)	5.35
SPAC1006.09		glycerophosphoryl diester phosphodiesterase (predicted)	glycerophosphoryl diester phosphodiesterase (predicted)	5.32
SPCC126.04c	<i>str3</i>	siderophore-iron transporter Str3	siderophore-iron transporter Str3 (PMID 12888492)	5.31
SPAC29B12.11c		sequence orphan	sequence orphan	5.30
SPBC800.14c		WD repeat protein Atg18	WD repeat protein Atg18	5.30
SPAC6B12.13		sequence orphan	sequence orphan	5.28
SPAC16E8.02		pseudogene	pseudogene	5.24
SPCC622.11	<i>ayr1</i>	1-acyldihydroxyacetone phosphate reductase (predicted)	1-acyldihydroxyacetone phosphate reductase (predicted)	5.22
SPAC29B12.14c		human MAWBP homolog	human MAWBP homolog	5.22
SPAP7G5.03		SPRY domain protein	SPRY domain protein	5.21
SPBC1198.06c		phosphomethylpyrimidine kinase (predicted)		5.19
SPAC8F11.05c		NAD binding dehydrogenase family protein	NAD binding dehydrogenase family protein	5.18

SPBC1773.08c		phosphoprotein phosphatase (predicted)	phosphoprotein phosphatase (predicted)	5.12
SPAC25G10.07c	<i>ubp11</i>	ubiquitin C-terminal hydrolase Ubp11	ubiquitin C-terminal hydrolase Ubp11	5.07
SPBC32F12.01c		AMP-binding dehydrogenase (predicted)	AMP-binding dehydrogenase (predicted)	5.05
SPAC1805.15c		aldehyde dehydrogenase (predicted)	aldehyde dehydrogenase (predicted)	5.05
SPAC3H1.14		NADH/NADPH dependent indole-3-acetaldehyde reductase AKR3C2	NADH/NADPH dependent indole-3-acetaldehyde reductase AKR3C2	5.03
SPAC24B11.11c		sequence orphan	sequence orphan	5.00
SPBP4H10.09		alpha-glucosidase		5.00
SPBPB2B2.01		membrane transporter	membrane transporter	4.93
SPAC9G1.09	<i>wtf18</i>	wtf element Wtf18	wtf element Wtf18	4.91
SPAC1B1.02c		WD repeat protein, human WDR44 family		4.86
SPBC3E7.01	<i>rsv2</i>	transcription factor Rsv2		4.86
SPCC737.05	<i>gst3</i>	glutathione S-transferase Gst3	glutathione S-transferase (PMID 12151111)	4.82
SPAC31G5.12c	<i>srk1</i>	MAPK-activated protein kinase Srk1	MAPK-activated protein kinase Srk1	4.81
SPCC737.04		conserved fungal protein	conserved fungal protein	4.78
SPAC23C11.08		hydroxyacid dehydrogenase (predicted)		4.70
SPAPB1A10.14	<i>pyp2</i>	tyrosine phosphatase Pyp2	tyrosine phosphatase Pyp2	4.69
SPCC1393.12	<i>mag1</i>	DNA-3-methyladenine glycosylase Mag1	DNA-3-methyladenine glycosylase Mag1	4.67
SPCC4G3.12c		ubiquitin-protein ligase E3 (predicted)		4.64
SPCC622.04		DUF423 protein	conserved protein (broad species distribution)	4.61
SPAC4G9.19		conserved fungal protein	conserved fungal protein	4.60
SPCC1620.09c	<i>bqt2</i>	bouquet formation protein Bqt2	bouquet formation protein Bqt2	4.60
SPBC24C6.09c	<i>exg3</i>	glucan 1,3-beta-glucosidase Exg3		4.60
SPAPB1A11.02		conserved fungal protein	conserved fungal protein	4.56
SPBP8B7.13		thiosulfate sulfurtransferase		4.55
SPAC1039.07c		hydantoin racemase family (predicted)	hydantoin racemase family (predicted)	4.53
SPBC1703.12	<i>rad50</i>	DNA repair protein Rad50	DNA repair protein Rad50	4.50
SPBC660.09	<i>rhp54</i>	Rad54 homolog Rhp54	Rad54 homolog Rhp54	4.49
SPCC736.13	<i>meu32</i>	sequence orphan	sequence orphan	4.48
SPAC13G6.03		DUF1773 family protein 4	DUF1773 family protein 4	4.48
SPAC3H1.08c		conserved protein (fungal and bacterial)		4.45
SPCC1906.04		subtilisin related protein (predicted)	protease inhibitor (predicted)	4.42

SPBC17D11.08		PI31 proteasome regulator related		4.40
SPAC1399.01c	<i>ams1</i>	alpha-mannosidase (predicted)	alpha-mannosidase (predicted)	4.40
SPCC794.08	<i>mug133</i>	S. pombe specific UPF0300 family protein 2	S. pombe specific UPF0300 family protein 2	4.37
SPCC74.03c		conserved fungal protein		4.37
SPAC11D3.11c		short chain dehydrogenase (predicted)	short chain dehydrogenase	4.36
SPCC1183.11		conserved eukaryotic protein		4.32
SPCC4G3.08	<i>sst4</i>	sorting receptor for ubiquitinated membrane proteins, ESCRT 0 complex subunit Sst4	sorting receptor for ubiquitinated membrane proteins (ISS) (PMID 12055639)	4.29
SPAC26F1.07	<i>jmj2</i>	histone demethylase Jmj2 (predicted)	histone demethylase Jmj2 (predicted)	4.29
SPBC428.12c	<i>wtf21</i>	wtf element Wtf21	wtf element Wtf21	4.27
SPBC3E7.04c		purine transporter (predicted)	purine transporter (predicted)	4.26
SPAC17C9.05c	<i>sut1</i>	alpha-glucoside transporter	alpha-glucoside transporter (PMID 11136464)	4.23
SPBC21C3.01c		But2 family protein	S. pombe specific But2 family protein	4.23
SPBC23E6.01c		zf-C2H2 type zinc finger protein	zinc finger protein	4.23
SPAC18G6.12c		UPF0061 family protein	UPF0061 family protein	4.20
SPAC9.10		xylulose kinase (predicted)	xylulose kinase (predicted)	4.20
SPAC6F12.15c	<i>syj2</i>	inositol-polyphosphate 5-phosphatase (synaptojanin homolog 2)		4.17
SPAC521.04c	<i>sst2</i>	human AMSH protein homolog	human amsh protein homolog	4.16
SPBC1683.01	<i>git5</i>	heterotrimeric G protein beta subunit Git5		4.15
SPCC5E4.10c	<i>cgs1</i>	cAMP-dependent protein kinase regulatory subunit Cgs1	cAMP-dependent protein kinase regulatory subunit Cgs1	4.15
SPAC11D3.07c	<i>ctr6</i>	vacuolar copper transporter Ctr6		4.15
SPAC5D6.07c		conserved protein	conserved protein	4.14
SPBC18H10.10c		dubious	dubious	4.13
SPAC22G7.11c		serine acetyltransferase (predicted)	serine acetyltransferase (predicted)	4.12
SPAC23A1.16c		SNARE Vam7 (predicted)	SNARE Vam7 (predicted)	4.11
SPBC11B10.05c	<i>puc1</i>	cyclin Puc1		4.11
SPAC3A11.06	<i>srw1</i>	CDK inhibitor Srw1	CDK inhibitor Srw1	4.10
SPCC1450.09c	<i>chr2</i>	chitin synthase regulatory factor (putative) Chr2	chitin synthase regulatory factor (putative) Chr2 (PMID 15449309)	4.10
SPAC2C4.09		sulphate transporter (predicted)	sulphate transporter (predicted)	4.09
SPAC3G6.07		sequence orphan		4.08
SPAC22E12.03c		human RNF family homolog	human RNF family homolog	4.07

SPAC5D6.08c		LMBR1-like membrane protein	LMBR1-like membrane protein	4.06
SPAC186.03		aminotransferase class-III, unknown specificity	4-aminobutyrate transaminase	4.06
SPAC513.04		conserved fungal protein	conserved fungal protein	4.05
SPCC338.02		pseudogene (predicted)		4.05
SPAC23D3.14c		sequence orphan	sequence orphan	4.04
SPBC8E4.04	<i>mug185</i>	DNAJ domain protein Jjj family	DNAJ domain protein Jjj family	4.04
SPAC1556.01c		sequence orphan	sequence orphan	4.04
SPAC4D7.01c		MS ion channel protein 2	MS ion channel protein 2	4.03
SPBC14C8.09c		acetyl-CoA hydrolase	acetyl-CoA hydrolase	4.02
SPAC2E12.03c		conserved fungal protein	conserved fungal protein	4.01
SPAC29E6.01	<i>gpi12</i>	pig-L (predicted)	pig-L	4.01
SPAC29B12.03		conjugation protein (predicted)	conjugation protein (predicted)	4.00
SPBC26H8.12		PSP1 family protein		3.99
SPAC13C5.04		succinate-semialdehyde dehydrogenase (predicted)	succinate-semialdehyde dehydrogenase (predicted)	3.99
SPAC5H10.11	<i>ppk35</i>	serine/threonine protein kinase Ppk35	serine/threonine protein kinase Ppk35	3.93
SPBC11B10.07c		mitochondrial outer membrane protein (predicted)		3.92
SPCC622.01c		pseudogene	pseudogene	3.91
SPAC4G9.07		sequence orphan	sequence orphan	3.90
SPAC1F12.09		carbohydrate kinase (predicted)	carbohydrate kinase (predicted)	3.90
SPAC22H10.10	<i>uga1</i>	4-aminobutyrate aminotransferase (GABA transaminase)	4-aminobutyrate aminotransferase (GABA transaminase) (predicted)	3.89
SPBC776.05	<i>rev1</i>	deoxycytidyl transferase Rev1 (predicted)	deoxycytidyl transferase Rev1 (predicted)	3.87
SPCC1739.01	<i>mug93</i>	TPR repeat protein, meiotically spliced		3.86
SPAC821.04c		CTLH domain	CTLH domain	3.85
SPCC24B10.07	<i>apg3</i>	autophagy associated protein Apg3 (predicted)	autophagy associated protein Apg3 (predicted)	3.85
SPCC777.17c		zinc finger protein, zf-C2H2 type/UBA domain protein	zinc finger protein	3.84
SPAC16.05c		mitochondrial peptidase (predicted)		3.83
SPCC191.01		NADH dehydrogenase		3.82
SPAC4G9.13c		F-box protein	F-box protein, unnamed	3.82
SPCC18B5.03	<i>amt1</i>	ammonium transporter Amt1	ammonium transporter Amt1	3.81
SPAC23C4.16c	<i>atg13</i>	autophagy associated protein Atg13 (predicted)	autophagy associated protein Atg13 (predicted)	3.80

SPBC32H8.06		human WW domain binding protein-2 ortholog	human WW domain binding protein-2 ortholog	3.79
SPAC15E1.02c	<i>mvp1</i>	sorting nexin Mvp1	sorting nexin Mvp1	3.79
SPCC70.05c	<i>meu10</i>	GPI anchored cell surface protein (predicted)	conserved fungal family	3.78
SPAC3G9.11c		conserved fungal protein	conserved fungal protein	3.78
SPAP32A8.02		sequence orphan	sequence orphan	3.78
SPBPB21E7.04c	<i>mug63</i>	TLDC domain protein 1	TLDC domain protein 1	3.77
SPBC18E5.10		membrane transporter		3.77
SPAC1093.04c		gluconokinase	gluconokinase	3.76
SPCC74.09		membrane transporter	membrane transporter	3.75
SPAC644.06c		P-type ATPase, calcium transporting Pmc1	P-type ATPase, calcium transporting Pmc1 (PMID 12707717)	3.75
SPCC18.17c		Usp (universal stress protein) family protein, implicated in meiotic chromosome segregation	Usp (universal stress protein) family protein, implicated in meiotic chromosome segregation	3.74
SPAC343.04c	<i>mfm2</i>	M-factor precursor Mfm2	M-factor precursor Mfm2	3.72
SPAC13G7.05		mitochondrial RNA-binding protein (predicted)		3.70
SPCC965.12		DUF1772 family protein	DUF1772 family protein	3.70
SPAC30D11.01c		sequence orphan		3.69
SPAP8A3.12c		amino acid permease, unknown 4	amino acid permease, unknown 4	3.67
SPBC1706.01	<i>pka1</i>	cAMP-dependent protein kinase catalytic subunit Pka1	cAMP-dependent protein kinase catalytic subunit Pka1 (PMID 8144551)	3.67
SPBC15D4.13c	<i>gos1</i>	SNARE Gos1 (predicted)	SNARE Gos1	3.66
SPCC1450.06c		bax inhibitor-like protein	bax inhibitor-like protein	3.66
SPAPB2B4.06		sequence orphan	sequence orphan	3.65
SPAC11D3.08c		mitochondrial electron carrier (predicted)	mitochondrial electron carrier (predicted)	3.64
SPCC1494.09c	<i>mfr1</i>	fizzy-related protein Mfr1		3.64
SPAC977.10		alpha-1,2-mannosyltransferase (predicted)	alpha-1,2-mannosyltransferase (predicted)	3.62
SPAC1F8.04c		phosphatidylinositol(3)-phosphate binding protein (predicted)		3.60
SPBC9B6.03		vacuolar sorting protein Vps60	vacuolar sorting protein Vps60	3.58
SPCC63.13		UPF0031 family protein	conserved protein (broad species distribution)	3.55
SPCC1494.01	<i>mmm1</i>	Mdm10/Mdm12/Mmm1 complex subunit Mmm1 (predicted)		3.54

SPCC970.01		ubiquitin-protein ligase E3 (predicted)	ubiquitin-protein ligase E3 (predicted)	3.51
SPCC794.02		conserved fungal protein	conserved fungal protein	3.51
SPBC1773.17c	<i>ubp8</i>	ubiquitin C-terminal hydrolase Ubp8 (predicted)	ubiquitin C-terminal hydrolase Ubp8	3.51
SPBC3E7.06c	<i>idh2</i>	isocitrate dehydrogenase (NAD+) subunit 2	isocitrate dehydrogenase (NAD+) subunit 2	3.50
SPCC417.05c		amino acid permease, unknown 16	amino acid permease, unknown 16	3.50
SPCC663.02		sequence orphan		3.50
SPAC57A7.05		ubiquitin-protein ligase E3 (predicted)		3.49
SPBC1A4.06c		uncharacterised trans-sulfuration enzyme (predicted)	cystathionine gamma-synthase (predicted)	3.48
SPCC1840.06	<i>mug112</i>	sequence orphan	sequence orphan	3.48
SPAC1565.04c		alcohol dehydrogenase (predicted)	alcohol dehydrogenase (predicted)	3.47
SPBC12C2.08		sequence orphan	sequence orphan	3.47
SPBP8B7.08c	<i>gut2</i>	glycerol-3-phosphate dehydrogenase Gut2	glycerol-3-phosphate dehydrogenase Gut2	3.47
SPCC1450.08c	<i>ppk8</i>	serine/threonine protein kinase Ppk8 (predicted)	serine/threonine protein kinase Ppk8 (predicted)	3.47
SPAC750.07c		adenine deaminase (predicted)	adenine deaminase (predicted)	3.47
SPAC23A1.17		vacuolar carboxypeptidase (predicted)	vacuolar carboxypeptidase (predicted)	3.45
SPBP23A10.09	<i>cid13</i>	poly(A) polymerase Cid13	poly(A) polymerase Cid13 (PMID 12062100)	3.45
SPBC25B2.08	<i>mug99</i>	meiotically upregulated gene Mug99	meiotically upregulated gene Mug99	3.44
SPAC1F5.08c	<i>mug180</i>	esterase/lipase (predicted)		3.44
SPCC622.21	<i>wtf24</i>	wtf element Wtf24		3.43
SPAC13G6.05c		proline specific permease (predicted)	proline specific permease (predicted)	3.42
SPBC16G5.19	<i>atg8</i>	autophagy associated protein Atg8 (predicted)		3.42
SPCC1739.03		mitochondrial ribosomal small subunit		3.41
SPCC1919.06c		Vid27 family protein	Vid27 family protein	3.41
SPAC17C9.16c	<i>pop1</i>	F-box/WD repeat protein Pop1		3.41
SPAC25B8.10		aldo/keto reductase involved in pentose catabolism (predicted)		3.39
SPAC1D4.13	<i>cta3</i>	P-type ATPase, calcium transporting Cta3	P-type ATPase, calcium transporting Cta3	3.39
SPAC3H1.06c	<i>ubc8</i>	ubiquitin conjugating enzyme Ubc8		3.39
SPAPB24D3.08c	<i>idh1</i>	isocitrate dehydrogenase (NAD+) subunit 1 Idh1	isocitrate dehydrogenase (NAD+) subunit 1 Idh1 (PMID 10975257)	3.38

SPBC725.05c	<i>wtf10</i>	wtf element Wtf10	wtf element Wtf10	3.38
SPBC1683.11c	<i>wtf14</i>	wtf element Wtf14	wtf element Wtf14	3.38
SPAC1952.11c		zinc binding dehydrogenase	zinc binding dehydrogenase	3.38
SPAC4G8.10	<i>ppk30</i>	Ark1/Prk1 family protein kinase Ppk30		3.38
SPBC1271.05c		short chain dehydrogenase (predicted)	short chain dehydrogenase	3.37
SPBC1706.03		CIA30 family protein	CIA30 family protein	3.37
SPAC5D6.04	<i>adl1</i>	DNA ligase (predicted)	DNA ligase (predicted)	3.34
SPAC19A8.12		sequence orphan		3.34
SPBC29A10.09c		vacuolar import and degradation protein Vid28	vacuolar import and degradation protein Vid28	3.33
SPAPB1A10.12c		CAF1 family ribonuclease		3.33
SPAC12B10.05	<i>sst6</i>	ESCRT I complex subunit Vps23	ESCRT I complex subunit Vps23	3.33
SPBC365.12c		steroid oxidoreductase superfamily protein	steroid oxidoreductase superfamily protein	3.32
SPAC2F3.05c		malate dehydrogenase	malate dehydrogenase	3.31
SPAC1B9.02c	<i>sro1</i>	sequence orphan	sequence orphan	3.30
SPAC513.03		sequence orphan		3.29
SPAC16A10.05c	<i>nbs1</i>	Mre11 complex subunit Nbs1		3.29
SPAC869.03c		sequence orphan	sequence orphan	3.29
SPBC1921.07c	<i>wtf20</i>	wtf element Wtf20	wtf element Wtf20	3.28
SPBC337.15c		guanine deaminase (predicted)	guanine deaminase (predicted)	3.28
SPBC13E7.11		WD repeat protein, human WDR68 family		3.27
SPAC3C7.03c	<i>wtf25</i>	wtf element	wtf element	3.26
SPBC30B4.02c	<i>01-Oct</i>	mitochondrial intermediate peptidase Oct1 (predicted)	mitochondrial intermediate peptidase Oct1 (predicted)	3.26
SPAC6G9.16c	<i>ppk36</i>	serine/threonine protein kinase Ppk36	serine/threonine protein kinase Ppk36	3.25
SPBC1A4.01	<i>cut2</i>	securin		3.25
SPBC16A3.02c		sequence orphan	sequence orphan	3.25
SPAC1F3.03		beclin family protein		3.25
SPBC29B5.02c		DNAJ domain protein DNAJB family	DNAJ domain protein DNAJB family	3.23
SPBC887.19	<i>crk1</i>	cyclin-dependent kinase activating kinase Crk1		3.23
SPCC736.11		CDP-diacylglycerol-glycerol-3-phosphate3-phosphatidyltransferase		3.23
SPAC9.08c	<i>Tf2-2</i>	retrotransposable element		3.23
SPCC16C4.02c		sequence orphan	sequence orphan	3.22
SPAC29A4.17c		ubiquitin-protein ligase E3 (predicted)	ubiquitin-protein ligase E3 (predicted)	3.21

SPBP8B7.28c		conserved protein (fungal and plant)	conserved protein (fungal and plant)	3.20
SPBC36.12c	<i>etr1</i>	enoyl-[acyl-carrier protein] reductase	enoyl-[acyl-carrier protein] reductase	3.19
SPAC16E8.16	<i>mok13</i>	alpha-1,3-glucan synthase Mok13		3.19
SPAPJ696.01c		DUF726 family protein	DUF726 family protein	3.19
SPAC630.13c		dihydrodiol dehydrogenase (predicted)	dihydrodiol dehydrogenase (predicted)	3.19
SPAC6G10.03c		ubiquitin-protein ligase E3 (predicted)		3.18
SPBC17D11.02c		cystathionine beta-lyase (predicted)	cystathionine beta-lyase (predicted)	3.17
SPAC6G9.06c		sequence orphan	sequence orphan	3.17
SPBC19C7.09c		DUF580 family protein	DUF580 family protein	3.16
SPBC365.05c	<i>isa1</i>	iron-sulfur protein Isa1	iron-sulfur protein Isa1	3.16
SPAC15A10.01		protein phosphatase regulatory subunit Reg1 (predicted)	protein phosphatase regulatory subunit Reg1 (predicted)	3.14
SPAC3G9.02	<i>pof9</i>	F-box protein Pof9		3.14
SPAC1783.06c	<i>gyp7</i>	GTPase activating protein Gyp7 (predicted)	GTPase activating protein Gyp7 (predicted)	3.14
SPBP4H10.12		S. pombe specific multicopy membrane protein family 1	S. pombe specific multicopy membrane protein family 1	3.13
SPAC19G12.09		zf-C3HC4 type zinc finger		3.12
SPBC336.08		conserved fungal protein	conserved fungal protein	3.12
SPBC725.13c	<i>pxa1</i>	PXA domain protein Pxa1	PXA domain protein	3.11
SPBC23G7.06c		5-formyltetrahydrofolate cyclo-ligase		3.11
SPAC343.06c		inosine-uridine preferring nucleoside hydrolase (predicted)	inosine-uridine preferring nucleoside hydrolase (predicted)	3.10
SPCC162.02c		transthyretin (predicted)	transthyretin (predicted)	3.10
SPCC569.03		sequence orphan		3.10
SPBPB7E8.02		phosphomethylpyrimidine kinase (predicted)		3.09
SPBC725.03		proteasome regulatory particle, gankyrin (predicted)	gankyrin	3.09
SPAC1805.16c	<i>oma1</i>	metallopeptidase Oma1 (predicted)	metallopeptidase Oma1 (predicted)	3.09
SPAC4H3.04c	<i>png2</i>	ING family homolog Png2		3.08
SPCC1183.03c		mitochondrial ATPase inhibitor (predicted)	mitochondrial ATPase inhibitor (predicted)	3.07
SPAC1002.05c	<i>eaf1</i>	RNA polymerase II transcription elongation factor SpEAF	RNA polymerase II transcription elongation factor SpEAF	3.07
SPAC1D4.03c		L-asparaginase (predicted)	L-asparaginase (predicted)	3.06
SPAC17A2.15		ABC1 kinase family protein		3.06

SPAC4D7.02c	<i>sam50</i>	SAM complex subunit Sam50 (predicted)	SAM complex subunit Sam50 (predicted)	3.03
SPAC20G4.03c	<i>atf21</i>	transcription factor Atf21		3.03
SPAC17H9.19c	<i>hmt1</i>	ATP-binding cassette-type vacuolar membrane transporter Hmt1		3.02
SPBC32C12.02	<i>nep2</i>	NEDD8 protease Nep2		3.02
SPCC970.11c		conserved eukaryotic protein		3.02
SPCC645.05c	<i>glo1</i>	glyoxalase I		3.02
SPBC27B12.01c	<i>thi5</i>	transcription factor Thi5	transcription factor Thi5	3.00
SPCC622.07		phosphomethylpyrimidine kinase (predicted)	phosphomethylpyrimidine kinase (predicted)	3.00
SPAPB8E5.04c		UbiE family methyltransferase (predicted)	UbiE family methyltransferase (predicted)	3.00
SPCC737.09c		cysteine transporter (predicted)	cysteine transporter (predicted)	3.00
SPAC1687.22c	<i>mug135</i>	DUF1773 family protein 3	DUF1773 family protein 3	2.99
SPBP35G2.14	<i>oca2</i>	serine/threonine protein kinase Oca2 (predicted)	serine/threonine protein kinase Oca2 (predicted)	2.99
SPCC63.03	<i>fsv1</i>	SNARE Fsv1	SNARE Fsv1	2.98
SPBC3H7.13		sequence orphan	sequence orphan	2.98
SPAC16A10.06c	<i>rum1</i>	CDK inhibitor Rum1		2.98
SPBC12C2.10c	<i>mam1</i>	M-factor transporter Mam1		2.97
SPAC6B12.03c		sequence orphan		2.97
SPAC4G9.12		sequence orphan		2.97
SPAC1B3.11c	<i>atm1</i>	ABC family iron transporter Atm1	ABC family iron transporter Atm1	2.97
SPAC23H3.03c		GTPase activating protein (predicted)	GTPase activating protein (predicted)	2.96
SPBC20F10.07		Usp (universal stress protein) family protein		2.96
SPAC25G10.01		CCR4-Not complex subunit Caf4/Mdv1 (predicted)	CCR4-Not complex subunit Caf4/Mdv1 (predicted)	2.96
SPBC405.05		aminotransferase class-III	2,2-dialkylglycine decarboxylase (predicted)	2.96
SPAC1D4.12		NAD/NADH kinase (predicted)	NAD/NADH kinase	2.95
SPAC17C9.11c	<i>ell1</i>	RNA polymerase II transcription elongation factor SpELL		2.95
SPCC569.06		MFS family transmembrane transporter Mfs1	MFS family transmembrane transporter Mfs1	2.94
SPCC285.09c	<i>pub2</i>	ubiquitin-protein ligase Pub2	ubiquitin-protein ligase Pub2	2.94
SPAC2G11.04	<i>puf3</i>	RNA-binding protein Puf3 (predicted)		2.94

SPCC1235.04c	<i>moa1</i>	meiotic cohesin complex associated protein Moa1	meiotic cohesin complex associated protein Moa1	2.94
SPBC776.06c		hypothetical protein	hypothetical protein	2.94
SPCC285.04	<i>mkh1</i>	MEK kinase (MEKK) Mkh1	MEK kinase (MEKK) Mkh1 (PMID 9199286)	2.94
SPBC19F8.07	<i>gcn2</i>	eIF2 alpha kinase Gcn2 (predicted)	eIF2 alpha kinase Gcn2 (predicted)	2.93
SPAC4F8.01		conserved fungal protein		2.92
SPBC1289.06c		conserved protein (fungal and plant)	conserved protein (fungal and plant)	2.92
SPCC162.12	<i>cuf2</i>	Cu metalloregulatory transcription factor Cuf2	Cu metalloregulatory transcription factor Cuf2	2.92
SPAC15E1.10		dubious		2.90
SPCC1183.09c		arrestin Aly1 related	arrestin Aly1 related	2.90
SPAC17A2.09c		autophagy associated protein Atg24 (predicted)	autophagy associated protein Atg24	2.89
SPAC3H5.11	<i>wtf13</i>	wtf element Wtf13	wtf element Wtf13	2.89
SPAC6F12.03c	<i>phx1</i>	homeobox transcription factor Phx1	homeobox transcription factor Phx1	2.89
SPAP14E8.04		sequence orphan	sequence orphan	2.88
SPBC1348.12		dubious	dubious	2.88
SPBC1703.09		RNA-binding protein	RNA-binding protein	2.88
SPAC19A8.02	<i>wtf5</i>	wtf element Wtf5	wtf element Wtf5	2.87
SPBC19F8.06c	<i>atg9</i>	autophagy associated protein Atg9 (predicted)		2.86
SPAC16E8.09		sequence orphan	sequence orphan	2.86
SPAC29E6.09	<i>arz1</i>	armadillo repeat containing, Zfs1 target number 1	sequence orphan	2.85
SPBC947.15c		sequence orphan	sequence orphan	2.85
SPBC16G5.07c	<i>msa1</i>	RNA-binding protein Msa1	RNA-binding protein Msa1	2.84
SPAC12G12.12	<i>wtf16</i>	wtf element Wtf16	wtf element Wtf16	2.84
SPAC824.05	<i>dma1</i>	mitotic spindle checkpoint protein Dma1	mitotic spindle checkpoint protein Dma1	2.83
SPBC1773.16c		RNA-binding protein	RNA-binding protein	2.83
SPBC21C3.20c		Lgl family protein	Lgl family protein	2.83
SPBC1289.15	<i>pdh1</i>	DUF1751 family protein	DUF1751 family protein	2.83
SPAC513.02		DUF1212 family protein	DUF1212 family protein	2.83
SPBC1685.14c		GFO/IDH/MocA family oxidoreductase	GFO/IDH/MocA family oxidoreductase	2.83
SPAC57A10.06	<i>mug121</i>	sequence orphan	sequence orphan	2.83
SPAC4F8.10c		zf-CCCH type zinc finger protein	zf-CCCH type zinc finger protein	2.82

SPAC10F6.13c		glutathione-dependent formaldehyde dehydrogenase (predicted)	glutathione-dependent formaldehyde dehydrogenase (predicted)	2.81
SPCC1840.09	<i>nta1</i>	protein N-terminal amidase Nta1 (predicted)		2.81
SPAC806.04c		P-type ATPase	P-type ATPase (PMID 12707717)	2.79
SPAC24C9.14	<i>rav1</i>	RAVE complex subunit Rav1 (predicted)		2.79
SPAC23C4.07	<i>spd1</i>	ribonucleotide reductase (RNR) inhibitor	ribonucleotide reductase (RNR) inhibitor	2.78
SPAC3C7.13c	<i>mug98</i>	sequence orphan		2.78
SPCC645.02		amino acid permease, unknown 1	amino acid permease, unknown 1	2.77
SPAC19B12.08	<i>xlfi</i>	xrcc4 like factor	xrcc4 like factor	2.77
SPBC1105.14	<i>gpx1</i>	glutathione peroxidase Gpx1		2.75
SPAC23G3.03		R3H and G-patch domain, implicated in splicing		2.75
SPAC24C9.08		dubious	dubious	2.75
SPAC5H10.02c		S. pombe specific UPF0300 family protein 6	S. pombe specific UPF0300 family protein 6	2.75
SPAC22F3.05c	<i>git11</i>	heterotrimeric G protein gamma subunit Git11		2.74
SPAC21E11.04		GTPase activating protein		2.74
SPBC1604.03c		mitochondrial copper chaperone	mitochondrial copper ion transport protein	2.73
SPBC1703.08c	<i>clr1</i>	cryptic loci regulator Clr1		2.73
SPCC965.11c	<i>01-Sep</i>	fork head transcription factor Sep1		2.72
SPAC1527.02	<i>coq7</i>	ubiquinone biosynthesis protein Coq7		2.72
SPBC31F10.10c	<i>alg13</i>	N-acetylglucosaminyldiphosphodolichol N-acetylglucosaminyltransferase Alg13 (predicted)	N-acetylglucosaminyldiphosphodolichol N-acetylglucosaminyltransferase Alg13 (predicted)	2.72
SPAC29A4.06c		pseudo		2.72
SPAC23A1.14c	<i>kin1</i>	microtubule affinity-regulating kinase Kin1		2.72
SPAC1002.17c	<i>frp1</i>	ferric-chelate reductase Frp1	ferric-chelate reductase Frp1	2.72
SPBC15D4.02		dubious	dubious	2.72
SPAC25B8.09		autophagy C terminal domain family protein	autophagy C terminal domain family protein	2.71
SPAC17G6.04c		conserved fungal protein		2.71
SPAC824.02		fasciclin domain protein (3)	fasciclin domain protein (3)	2.71
SPAC227.17c		sequence orphan	sequence orphan	2.70

SPAC222.13c		aminopeptidase (predicted)	aspartyl aminopeptidase (predicted)	2.70
SPBC16E9.03c		DUF544 family protein	DUF544 family protein	2.69
SPBC776.18c	<i>ppk19</i>	serine/threonine protein kinase Ppk19		2.69
SPCC794.01c	<i>nca2</i>	mitochondrial protein Nca2 (predicted)	mitochondrial protein Nca2 (predicted)	2.69
SPBPB2B2.18	<i>tfg2</i>	transcription factor TFIIIF complex beta subunit Tfg2 (predicted)		2.69
SPAPB1A10.02	<i>mug24</i>	RNA-binding protein, rrm type	RNA-binding protein	2.69
SPBC27B12.04c	<i>rec12</i>	endonuclease Rec12	endonuclease Rec12	2.69
SPBC8D2.01		mannan endo-1,6-alpha-mannosidase (predicted)	mannan endo-1,6-alpha-mannosidase (predicted)	2.68
SPCC188.08c		Nudix family hydrolase	Nudix family hydrolase	2.68
SPAC3A11.14c	<i>ppk15</i>	serine/threonine protein kinase Ppk15 (predicted)	serine/threonine protein kinase Ppk15 (predicted)	2.68
SPCC1739.10		sequence orphan	sequence orphan	2.67
SPBC21D10.06c		glutamate N-acetyltransferase (predicted)	glutamate N-acetyltransferase (predicted)	2.67
SPAC1002.12c	<i>rst2</i>	transcription factor Rst2	transcription factor Rst2	2.67
SPBC405.02c		acyl-coA-sterol acyltransferase (predicted)	acyl-coA-sterol acyltransferase (predicted)	2.67
SPCC594.04c		AAA family ATPase, unknown biological role	AAA family ATPase, unknown biological role	2.66
SPAC25B8.19c		cardiolipin synthase/ hydrolase fusion protein (predicted)	cardiolipin synthase (predicted)	2.66
SPAC32A11.02c		auxin family transmembrane transporter (predicted)	auxin family	2.66
SPBPB2B2.10c	<i>matmc_1</i>	mating-type m-specific polypeptide mc		2.65
SPBC16H5.13	<i>ppk34</i>	serine/threonine protein kinase Ppk34	serine/threonine protein kinase Ppk34	2.65
SPBC215.04	<i>mug186</i>	sorting nexin Snx41		2.65
SPCC1020.03		TLDc domain protein 2		2.64
SPBC3B8.10c		DUF1783 family protein		2.64
SPAC458.04c		beta-glucosidase Psu2 (predicted)		2.64
SPAC1F7.12	<i>mug161</i>	CwfJ family protein	CwfJ family protein	2.64
SPAC343.17c	<i>pkd2</i>	TRP-like ion channel	TRP-like ion channel (PMID 15537393)	2.64
SPAC186.06		phospholipase (predicted)	phospholipase	2.63
SPBC1604.18c		calcium permease (predicted)	calcium permease (predicted)	2.63
SPBC354.13	<i>hse1</i>	STAM like protein Hse1		2.63
SPBC582.10c	<i>wee1</i>	dual specificity protein kinase Wee1	dual specificity protein kinase Wee1	2.63
SPAC13C5.06c		carboxyl methyl esterase		2.63

SPCC364.04c		L-asparaginase (predicted)	L-asparaginase	2.62
SPBC27.03		membrane transporter	membrane transporter	2.61
SPCC1442.01		GPI inositol deacylase	GPI inositol deacylase	2.61
SPBC32H8.07		purine nucleoside phosphorylase (predicted)	purine nucleoside phosphorylase (predicted)	2.61
SPBC365.20c		conserved fungal protein	conserved fungal protein	2.61
SPAC25A8.02	<i>cds1</i>	replication checkpoint kinase Cds1	replication checkpoint kinase Cds1	2.60
SPAC343.03	<i>psp3</i>	serine protease Psp3 (predicted)	serine protease Psp3 (predicted)	2.60
SPAC9.13c		sequence orphan	sequence orphan	2.60
SPAC1B3.15c		dubious	dubious	2.60
SPAC19E9.03		sequence orphan	sequence orphan	2.59
SPAC869.10c		C2 domain protein	C2 domain protein	2.59
SPCC1919.01		sequence orphan		2.59
SPAC4F10.16c		SAGA complex subunit Sgf73 (predicted)	SAGA complex subunit Sgf73 (predicted)	2.59
SPBC29A10.02	<i>rhp55</i>	RecA family ATPase Rhp55	RecA family ATPase Rhp55	2.59
SPAPB1A10.07c	<i>ght7</i>	hexose transporter Ght7	hexose transporter Ght7	2.58
SPAC2G11.13		amino acid permease, unknown 13	amino acid permease, unknown 13	2.58
SPBC16C6.04	<i>wtf12</i>	wtf element Wtf12	wtf element Wtf12	2.58
SPBC3H7.03c		SPX/EXS domain protein	SPX/EXS domain protein	2.58
SPBC30D10.03c		ribonuclease II (RNB) family	ribonuclease II (RNB) family	2.57
SPAC19A8.03		nucleoside diphosphate-sugar hydrolase (predicted)		2.57
SPAC15E1.07c	<i>aut12</i>	autophagy associated protein Aut12 (predicted)	autophagy associated protein Aut12	2.57
SPBC8E4.05c		transcription factor (predicted)		2.57
SPAC11E3.14	<i>klf1</i>	conserved fungal protein	conserved fungal protein	2.56
SPBC32H8.02c		aromatic ring-opening dioxygenase (predicted)		2.56
SPCC548.02c		haloacid dehalogenase-like hydrolase		2.56
SPAC14C4.01c		conserved eukaryotic protein		2.55
SPCC1739.04c		methionine-tRNA ligase, mitochondrial	methionine-tRNA ligase	2.55
SPCC285.07c		hydroxyacid dehydrogenase (predicted)	hydroxyacid dehydrogenase (predicted)	2.55
SPCC1223.02	<i>ptc1</i>	protein phosphatase 2C Ptc1	protein phosphatase 2C Ptc1	2.55
SPBC3B9.10	<i>zip1</i>	transcription factor Zip1	transcription factor Zip1	2.55
SPBC337.02c	<i>pcm2</i>	protein-L-isoaspartate O-methyltransferase (predicted)	protein-L-isoaspartate O-methyltransferase (predicted)	2.55
SPCC4B3.16	<i>pep1</i>	sorting receptor for CPY		2.55

SPAC6F12.02		kinesin-like protein		2.54
SPCC338.18	<i>atf1</i>	transcription factor Atf1		2.54
SPBC1773.06c	<i>pms1</i>	MutL family mismatch-repair protein Pms1	MutL family mismatch-repair protein Pms1	2.53
SPAC922.03		human down-regulated in multiple cancers-1 homolog 2		2.53
SPAC25B8.08		ribonuclease II (RNB) family		2.53
SPCC1795.01c		pseudogene		2.53
SPCC70.08c		conserved fungal protein	conserved fungal protein	2.53
SPAC29B12.13		C2 domain protein	C2 domain protein	2.52
SPAC589.08c		phospholipase (predicted)	phospholipase (predicted)	2.52
SPBC725.10	<i>wtf9</i>	wtf element, Wtf2, pseudo	wtf element, Wtf2, pseudo	2.52
SPAC2C4.17c	<i>pof14</i>	F-box protein Pof14	F-box protein Pof14	2.52
SPBPB21E7.05	<i>wtf1</i>	wtf element Wtf1, pseudo		2.51
SPAC22G7.08	<i>sfp1</i>	transcription factor Sfp1 (predicted)	transcription factor Sfp1 (predicted)	2.51
SPAPJ760.02c		RNA-binding protein, rrm type		2.51
SPBC215.03c		pyruvate dehydrogenase protein x component	pyruvate dehydrogenase protein x component	2.51
SPAC16A10.08c		mitochondrial hydrolase (predicted)	mitochondrial hydrolase	2.51
SPCC663.03		dubious	dubious	2.50
SPBC20F10.05	<i>sib2</i>	ornithine N5 monooxygenase (predicted)	ornithine N5 monooxygenase (predicted)	2.50
SPAC17G6.12		zinc finger protein		2.50
SPBC17A3.03c		BRO1 domain protein	BRO1 domain protein	2.50
SPCP20C8.01c	<i>byr2</i>	MAP kinase kinase kinase Byr2		2.50
SPCPB16A4.05c	<i>mug179</i>	WD repeat protein Mug179	WD repeat protein Mug179	2.50
SPAC1687.09	<i>kms1</i>	meiotic spindle pole body protein Kms1	meiotic spindle pole body protein Kms1	2.50
SPBC651.02		transcription factor (predicted)	transcription factor (predicted)	2.49
SPACUNK4.08		transcription factor (predicted)	transcription factor (predicted)	2.49
SPAC4G9.11c	<i>alp41</i>	ADP-ribosylation factor Alp41	ADP-ribosylation factor Alp41	2.49
SPAC2F3.16	<i>sib1</i>	ferrichrome synthetase Sib1	ferrichrome synthetase Sib1	2.49
SPCC576.04	<i>ubx4</i>	UBX domain protein Ubx4 (predicted)		2.48
SPAPB15E9.02c		conserved fungal protein	conserved fungal protein	2.48
SPBC887.15c	<i>uve1</i>	endonuclease Uve1		2.48
SPCC548.03c		HVA22/TB2/DP1 family protein		2.48
SPAC4D7.11	<i>wtf2</i>	wtf element Wtf2, pseudo		2.48

SPAC20H4.11c		abhydrolase family protein, unknown biological role	abhydrolase family protein, unknown biological role	2.48
SPCC1672.03c		ubiquitin family, human C1ORF55 related	ubiquitin family, human C1ORF55 related	2.48
SPBC32F12.15		ubiquitin-like conjugating enzyme		2.48
SPAC22F3.12c	<i>cox10</i>	protoheme IX farnesyltransferase		2.47
SPBC23E6.09		hydroxyacylglutathione hydrolase (predicted)	hydroxyacylglutathione hydrolase (predicted)	2.47
SPAC1F8.03c		MatE family transporter	MatE family transporter	2.47
SPAC212.06c		glutamate-1-semialdehyde 2,1-aminomutaseaminotransferase (predicted)	glutamate-1-semialdehyde 2,1-aminomutaseaminotransferase (predicted)	2.47
SPAC2F7.06c	<i>rft1</i>	Man5GlcNac2-PP-Dol translocation protein Rft1		2.46
SPAC11D3.17	<i>psk1</i>	serine/threonine protein kinase Psk1	serine/threonine protein kinase Psk1	2.46
SPAC1F8.05		tripeptidylpeptidase (predicted)	tripeptidylpeptidase (predicted)	2.45
SPAC13A11.04c		dubious	sequence orphan	2.45
SPBC1709.14	<i>ctt1</i>	catalase	catalase	2.44
SPBP8B7.26	<i>med15</i>	mediator complex subunit Med15 (predicted)	mediator complex subunit Med15 (predicted)	2.44
SPAC1399.02		conserved fungal family	conserved fungal family	2.44
SPCC63.08c		sterol binding ankyrin repeat protein		2.44
SPCC1672.06c		D-amino acid oxidase (predicted)	D-amino acid oxidase (predicted)	2.43
SPAC19G12.02c		conserved fungal protein		2.43
SPAC20H4.09	<i>spc24</i>	spindle pole body protein Spc24		2.43
SPCC1672.04c		sequence orphan		2.42
SPAC823.09c	<i>dam1</i>	DASH complex subunit Dam1	DASH complex subunit Dam1	2.42
SPBC13E7.02	<i>php2</i>	CCAAT-binding factor complex subunit Php2		2.42
SPCC320.09		NST UDP-galactose transporter (predicted)	NST UDP-galactose transporter	2.42
SPBC543.04		ubiquitin-protein ligase E3 (predicted)	ubiquitin-protein ligase E3 (predicted)	2.42
SPBC725.11c	<i>vps26</i>	retromer complex subunit Vps26	retromer complex subunit Vps26	2.41
SPAC4G8.11c		cytochrome c heme lyase		2.41
SPAC6B12.07c		trans-aconitate 3-methyltransferase (predicted)	trans-aconitate 3-methyltransferase (predicted)	2.41
SPAC4H3.03c	<i>mug35</i>	sequence orphan	sequence orphan	2.41
SPBC1271.07c	<i>vps35</i>	retromer complex subunit Vps35	retromer complex subunit Vps35	2.41

SPBC16A3.17c		sulfate transporter (predicted)	sulfate transporter (predicted)	2.41
SPAC458.03	<i>ght5</i>	hexose transporter Ght5	hexose transporter Ght5 (PMID 10735857)	2.40
SPCC4G3.03		mitochondrial matrix protein import protein		2.40
SPBC19F5.01c		ubiquitin-protein ligase E3 (predicted)	ubiquitin-protein ligase E3 (predicted)	2.40
SPBC1271.08c	<i>pep12</i>	SNARE Pep12	SNARE Pep12	2.40
SPBC25H2.03		UDP-GlcNAc transferase associated protein Alg14	UDP-GlcNAc transferase associated protein Alg14	2.40
SPAPB24D3.04c				2.39
SPAC22H12.03	<i>cbf12</i>	CBF1/Su(H)/LAG-1 family transcription factor Cbf12	transcription factor (predicted)	2.39
SPAC26H5.04		sequence orphan	sequence orphan	2.39
SPBC15D4.01c	<i>stn1</i>	telomere cap complex subunit Stn1		2.39
SPAC1B3.04c	<i>ubp9</i>	ubiquitin C-terminal hydrolase Ubp9	ubiquitin C-terminal hydrolase Ubp9	2.38
SPAC1296.04	<i>alp21</i>	tubulin specific chaperone cofactor E	tubulin specific chaperone cofactor E	2.38
SPAC328.03		fructose-2,6-bisphosphate 2-phosphatase activity (predicted)	6-phosphofructo-2-kinase (predicted)	2.37
SPAC8C9.16c		RCC domain protein Ats1 (predicted)	RCC domain protein Ats1 (predicted)	2.36
SPCC61.03		1-aminocyclopropane-1-carboxylate deaminase (predicted)	1-aminocyclopropane-1-carboxylate deaminase (predicted)	2.36
SPAC23H3.12c		peptide methionine sulfoxide reductase (predicted)	peptide methionine sulfoxide reductase (predicted)	2.36
SPAC10F6.11c	<i>ubp21</i>	ubiquitin C-terminal hydrolase Ubp21		2.36
SPAC14C4.10c	<i>wtf11</i>	wtf element Wtf11	wtf element Wtf11	2.36
SPCC1393.07c		autophagy associated kinase activator (predicted)	kinase activator (predicted)	2.36
SPCC16A11.08	<i>ssn6</i>	transcriptional corepressor Ssn6		2.35
SPMIT.08		heavy metal ion homeostasis protein (predicted)	heavy metal ion homeostasis protein (predicted)	2.35
SPBC1778.02		S. pombe specific GPI anchored protein family 1	S. pombe specific GPI anchored protein family 1	2.35
SPBC19F8.03c		ubiquitin-protein ligase E3 (predicted)		2.35
SPBC11G11.01		transcription related zf-ZZ type zinc finger protein		2.34
SPAC1039.10		sequence orphan	sequence orphan	2.34
SPCC1827.07c		alanine racemase (predicted)	alanine racemase (predicted)	2.34
SPBPB2B2.02	<i>hsr1</i>	transcription factor Hsr1	transcription factor Hsr1	2.34

SPAC24C9.07c		mitochondrial NAD ⁺ transporter (predicted)	mitochondrial NAD ⁺ transporter	2.33
SPBC16C6.02c		Ran GTPase binding protein (predicted)	Ran GTPase binding protein (predicted)	2.33
SPBC146.12		short chain dehydrogenase (predicted)	short chain dehydrogenase (predicted)	2.33
SPBC25B2.10		mitochondrial rhomboid protease		2.33
SPAC922.07c		haloacid dehalogenase-like hydrolase	haloacid dehalogenase-like hydrolase	2.32
SPAC977.04		human family 32A homolog	human family 32A homolog	2.32
SPBC725.02		nicotinamide riboside kinase (predicted)	nicotinamide riboside kinase	2.32
SPAC25B8.13c	<i>sec74</i>	guanyl-nucleotide exchange factor Sec74		2.32
SPAC1039.08		ATP-dependent DNA helicase Rhp16b (predicted)	ATP-dependent DNA helicase Rhp16b (predicted)	2.32
SPCC584.02	<i>cyr1</i>	adenylate cyclase		2.32
SPBC3H7.06c		inositol metabolism protein Opi10 (predicted)		2.31
SPAC3F10.10c	<i>pik3</i>	phosphatidylinositol 3-kinase Pik3	phosphatidylinositol 3-kinase Pik3	2.31
SPAC1565.03		phosphoprotein phosphatase (predicted)		2.31
SPAPB18E9.02c		xylose and arabinose reductase (predicted)	xylose and arabinose reductase (predicted)	2.31
SPAC16C9.01c	<i>wtf15</i>	wtf element Wtf15, pseudo	wtf element Wtf15, pseudo	2.31
SPBC691.01	<i>mug130</i>	sequence orphan	sequence orphan	2.31
SPAC1039.11c	<i>cul1</i>	cullin 1	cullin 1	2.31
SPBC21C3.12c		conserved eukaryotic protein	conserved eukaryotic protein	2.30
SPBC4B4.10c	<i>byr1</i>	MAP kinase kinase Byr1	MAP kinase kinase Byr1	2.30
SPCC663.17		dubious	dubious	2.30
SPCC31H12.06		conserved fungal protein	conserved fungal protein	2.30
SPBC660.08	<i>vps3</i>	GTPase regulator Vps3 (predicted)	GTPase regulator Vps3 (predicted)	2.30
SPBPB21E7.07		sequence orphan	sequence orphan	2.30
SPAC1782.12c		nicotinamidase (predicted)		2.29
SPAC6G10.06		ubiquitin-protein ligase E3 (predicted)		2.29
SPBPB2B2.12c		prohibitin (predicted)		2.29
SPBC887.16	<i>pof13</i>	F-box protein Pof13	F-box protein Pof13	2.28
SPBC25B2.02c	<i>cut9</i>	anaphase-promoting complex subunit Cut9	anaphase-promoting complex subunit Cut9	2.28
SPAC3A11.09	<i>atg2</i>	autophagy associated protein Mug36	autophagy associated protein Mug36	2.28
SPBC12C2.04		WD repeat protein, human IQWD1 family		2.28

SPBC713.07c		transcription factor TFIIIB	transcription factor TFIIIB (PMID 12359329)	2.28
SPBC30D10.14		2-oxoglutarate dehydrogenase (lipoamide) (e1 component of oxoglutarate dehydrogenase complex) (predicted)		2.28
SPAC1F8.02c		vacuolar polyphosphatase (predicted)		2.28
SPCC550.10	<i>mpr1</i>	response regulator phosphotransferase		2.27
SPAC13D6.01	<i>pmc3</i>	mediator complex subunit Pmc3 (pers. comm. Tomas Linder, from PMID 10625684)	mediator complex subunit Pmc3 (pers. comm. Tomas Linder, from PMID 10625684)	2.27
SPCC1442.05c		sequence orphan	sequence orphan	2.27
SPAC521.03	<i>mug2</i>	DUF1773 family protein 1	DUF1773 family protein 1	2.27
SPAC25B8.04c	<i>nup131</i>	nucleoporin Nup131		2.27
SPCC1442.04c		membrane transporter		2.27
SPBC336.12c	<i>rhp7</i>	Rad7 homolog Rhp7		2.26
SPBC27B12.05		zf-MYND type zinc finger protein		2.26
SPAC8F11.07c		nitrilase (predicted)		2.26
SPAC23H4.01c		arrestin/PY protein 1	arrestin/PY protein 1	2.26
SPAC11E3.05		membrane transporter (predicted)		2.25
SPBC146.01	<i>mug111</i>	sequence orphan	sequence orphan	2.25
SPAC16E8.17c	<i>sif1</i>	Sad1 interacting factor 1	Sad1 interacting factor 1	2.25
SPAC664.15	<i>ntp1</i>	alpha,alpha-trehalase Ntp1	alpha,alpha-trehalase Ntp1	2.25
SPAC17G8.10c	<i>ppk24</i>	serine/threonine protein kinase Ppk24		2.25
SPAC977.13c		peroxin Pex32 (predicted)	peroxin Pex32 (predicted)	2.25
SPAC513.06c	<i>mrp7</i>	mitochondrial ribosomal protein subunit L27	mitochondrial ribosomal protein subunit L27	2.25
SPBC56F2.05c	<i>urg2</i>	uracil phosphoribosyltransferase (predicted)	uracil phosphoribosyltransferase (predicted)	2.25
SPCC1682.11c		dipeptidyl aminopeptidase (predicted)	dipeptidyl aminopeptidase (predicted)	2.25
SPCC417.11c		GINS complex subunit Psf1 (predicted)		2.24
SPAC1834.11c	<i>apc2</i>	anaphase-promoting complex subunit Apc2		2.24
SPMIT.04		transcription factor (predicted)	transcription factor (predicted)	2.24
SPCC24B10.14c	<i>mug51</i>	conserved fungal protein	conserved fungal protein	2.24
SPAC16A10.01	<i>fap1</i>	L-pipecolate oxidase	L-pipecolate oxidase	2.24
SPBP8B7.18c	<i>vps1302</i>	chorein homolog		2.23
SPCC417.07c		thioesterase superfamily protein		2.23

SPAC1002.10c	<i>ned1</i>	lipin Ned1	lipin	2.23
SPAC1565.07c	<i>ypt71</i>	GTPase Ypt71	GTPase Ypt71	2.23
SPBC713.06		hydrolase (predicted)	hydrolase (predicted)	2.23
SPAC140.01		AMP-activated protein kinase beta subunit (predicted)	AMP-activated protein kinase beta subunit (predicted)	2.22
SPBC19C2.04c		S. pombe specific multicopy membrane protein family 1	S. pombe specific multicopy membrane protein family 1	2.22
SPBC1198.12	<i>rhp16</i>	Rad16 homolog Rhp16	Rad16 homolog Rhp16	2.22
SPBC1711.12		conserved fungal protein		2.22
SPBC646.12c	<i>gmh3</i>	alpha-1,2-galactosyltransferase Gmh3	alpha-1,2-galactosyltransferase Gmh3	2.22
SPAC7D4.05		trans-aconitate 3-methyltransferase (predicted)	trans-aconitate 3-methyltransferase (predicted)	2.22
SPAC2H10.02c	<i>pof11</i>	F-box protein Pof11	F-box protein Pof11	2.22
SPCC320.05	<i>cit1</i>	citrate synthase (predicted)	citrate synthase	2.22
SPAC458.06		NAD/NADH kinase (predicted)	NAD/NADH kinase (predicted)	2.21
SPAC688.08	<i>pku80</i>	Ku domain protein Pku80		2.21
SPAC144.08	<i>mam3</i>	cell agglutination protein Mam3		2.21
SPBP35G2.06c		DEP domain protein		2.21
SPCC1450.12	<i>gst2</i>	glutathione S-transferase Gst2	glutathione S-transferase Gst2	2.21
SPCC70.02c	<i>arb2</i>	argonaute binding protein 2	argonaute binding protein 2	2.20
SPMIT.05	<i>ppk18</i>	serine/threonine protein kinase Ppk18 (predicted)	serine/threonine protein kinase Ppk18 (predicted)	2.20
SPAC29A4.12c		DUF1776 family protein	DUF1776 family protein	2.20
SPBC1289.16c		exocyst complex subunit Exo84	exocyst complex subunit Exo84	2.20
SPAC2F3.07c		vacuolar protein involved in phosphoinositide metabolism		2.20
SPAC644.08	<i>mug66</i>	meiotically upregulated gene Mug66	meiotically upregulated gene Mug66	2.19
SPAC637.13c		dipeptidyl aminopeptidase (predicted)	dipeptidyl aminopeptidase (predicted)	2.19
SPAC26H5.09c		sequence orphan	sequence orphan	2.19
SPBC11B10.08		DUF89 family protein	DUF89 family protein	2.18
SPAC2E1P3.05c	<i>dnm1</i>	dynamamin Dnm1	dynamamin Dnm1	2.18
SPBC1685.01		esterase/lipase (predicted)	esterase/lipase (predicted)	2.18
SPCC622.03c	<i>cdc7</i>	serine/threonine protein kinase Cdc7		2.18
SPBC577.05c	<i>gpi18</i>	pig-V (predicted)	pig-V	2.18
SPCC74.04			dubious	2.17
SPBC365.02c		Niemann-Pick disease type C2 protein hE1 homolog	phosphatidylglycerol/phosphatidylinositol transfer protein (predicted)	2.17
SPAC589.04		pleckstrin homology domain protein	transcriptional coactivator (predicted)	2.17

SPAC19G12.04	<i>pas1</i>	cyclin Pas1	cyclin Pas1	2.17
SPBCPT2R1.06c		leukotriene A-4 hydrolase (predicted)	leukotriene A-4 hydrolase (predicted)	2.17
SPBC3B9.06c	<i>gsk31</i>	serine/threonine protein kinase Gsk31		2.17
SPMIT.03	<i>tco89</i>	TORC1 subunit Tco89	sequence orphan	2.17
SPBC16A3.09c		transcription factor (predicted)	transcription factor	2.17
SPCC162.10		cytoplasmic vesicle protein, Vid24 family	cytoplasmic vesicle protein, Vid24 family	2.16
SPCC757.03c		nucleotide pyrophosphatase (predicted)		2.16
SPBC1198.14c	<i>cmb1</i>	cytosine-mismatch binding protein 1	cytosine-mismatch binding protein 1	2.16
SPAC1952.15c		plasma membrane protein involved in inositol lipid-mediated signaling	conserved fungal protein	2.16
SPBC1711.02	<i>sid1</i>	PAK-related kinase Sid1	PAK-related kinase Sid1	2.16
SPAC23D3.11		amidase (predicted)	amidase (predicted)	2.16
SPCC794.04c	<i>mad2</i>	spindle checkpoint protein Mad2		2.16
SPCC132.03		manganese superoxide dismutase (AF069292)	manganese superoxide dismutase (AF069292)	2.15
SPBP35G2.10		human CCDC55 homolog	human CCDC55 homolog	2.15
SPBC354.11c		sequence orphan		2.15
SPBC1683.08		dihydrolipoamide S-succinyltransferase, e2 component of oxoglutarate dehydrogenase complex (predicted)		2.15
SPBC800.13	<i>mug74</i>	sequence orphan		2.15
SPBC26H8.04c		membrane transporter	membrane transporter	2.15
SPBC887.17	<i>msp1</i>	mitochondrial GTPase Msp1		2.15
SPCPB16A4.02c		SAGA complex subunit Spt20 (predicted)	SAGA complex subunit Spt20 (predicted)	2.15
SPAP27G11.05c	<i>pmp31</i>	plasma membrane proteolipid Pmp31	plasma membrane proteolipid Pmp31	2.14
SPAC4G8.03c	<i>gpa2</i>	heterotrimeric G protein alpha-2 subunit Gpa2	heterotrimeric G protein alpha-2 subunit Gpa2 (PMID 1340462)	2.14
SPAC20G8.03	<i>ggt2</i>	gamma-glutamyltranspeptidase Ggt2	gamma-glutamyltranspeptidase Ggt2	2.14
SPCC61.05		DUF221 family protein	DUF221 family protein	2.14
SPAC19B12.13		sequence orphan	sequence orphan	2.14
SPAC22H10.12c		transcription factor (predicted)		2.14
SPAPJ695.01c	<i>rec6</i>	meiotic recombination protein Rec6		2.14
SPBC19F8.04c	<i>vps16</i>	HOPS complex subunit Vps16 (predicted)	HOPS complex subunit Vps16 (predicted)	2.13
SPBC947.06c		pseudogene		2.13
SPAC13G6.15c	<i>fzo1</i>	mitochondrial fusion GTPase protein		2.13

SPAC1556.04c	<i>cgs2</i>	cAMP-specific phosphodiesterase Cgs2	cAMP-specific phosphodiesterase Cgs2	2.13
SPMIT.06		nucleoside 2-deoxyribosyltransferase (predicted)	nucleoside 2-deoxyribosyltransferase (predicted)	2.13
SPBC1709.11c		ubiquitin-protein ligase E3	ubiquitin-protein ligase E3	2.13
SPBC660.05		succinate-CoA ligase (beta subunit)	succinate-CoA ligase (beta subunit)	2.13
SPBC83.03c	<i>ssm4</i>	p150-Glued		2.13
SPCC1620.08		sequence orphan	sequence orphan	2.12
SPBP23A10.14c	<i>ypt7</i>	GTPase Ypt7		2.12
SPAC823.16c		conserved protein (fungal and plant)	conserved protein (fungal and plant)	2.12
SPAC328.07c		NADP-dependent oxidoreductase (predicted)	NADP-dependent oxidoreductase (predicted)	2.12
SPAC19G12.11	<i>dak1</i>	dihydroxyacetone kinase Dak1	dihydroxyacetone kinase Dak1	2.11
SPAC139.05		DUF890 family protein	DUF890 family protein	2.11
SPAC2G11.09	<i>mug122</i>	PX/PXA domain protein	PX/PXA domain protein	2.11
SPBC577.13	<i>cid2</i>	caffeine induced death protein Cid2	caffeine induced death protein Cid2	2.11
SPBC609.01		C2 domain protein	C2 domain protein	2.10
SPBC2D10.17		vacuolar membrane zinc transporter (predicted)	vacuolar membrane zinc transporter (predicted)	2.10
SPAC22A12.01c	<i>meu8</i>	aldehyde dehydrogenase Meu8 (predicted)	betaine aldehyde dehydrogenase (predicted)	2.10
SPAC18G6.01c	<i>pk11</i>	kinesin-like protein Pk11	kinesin-like protein Pk11	2.10
SPBC12C2.12c		peptide N-glycanase (predicted)		2.10
SPBC4.01	<i>atg12</i>	autophagy associated protein Atg12	autophagy associated protein Atg12	2.09
SPAC1687.07	<i>mam2</i>	pheromone p-factor receptor	pheromone p-factor receptor (PMID 1657593)	2.09
SPBC405.04c	<i>tas3</i>	RITS complex subunit 3		2.09
SPAC1296.06	<i>scr1</i>	transcription factor Scr1		2.09
SPCC330.01c	<i>cdr1</i>	GIN4 family protein kinase Cdr1	GIN4 family protein kinase Cdr1	2.09
SPAC328.08c		potassium ion/proton antiporter	potassium ion/proton antiporter	2.08
SPCC191.06		transcription factor, zf-fungal binuclear cluster type (predicted)		2.07
SPBC1271.01c		dubious	dubious	2.07
SPAC869.07c	<i>pof1</i>	F-box/WD repeat protein Pof1	F-box protein Pof1	2.07
SPCC576.01c		transcription factor (predicted)		2.07
SPAC959.05c		mitochondrial intermembrane space protein sorting protein		2.06
SPBC2A9.03	<i>ucp8</i>	UBA/EH/EF hand domain protein Ucp8		2.06

SPBC106.08c	<i>cmk1</i>	calcium/calmodulin-dependent protein kinase Cmk1	calcium/calmodulin-dependent protein kinase Cmk1	2.06
SPAPB1A11.03	<i>nse2</i>	Smc5-6 complex non-SMC subunit 2	Smc5-6 complex non-SMC subunit 2 (PMID 12966087)	2.05
SPBPB21E7.06	<i>cox1</i>	cytochrome c oxidase 1	cytochrome c oxidase 1; similar to <i>S. cerevisiae</i> Q0045	2.05
SPAC869.01	<i>pub3</i>	ubiquitin-protein ligase E3		2.05
SPAC144.16	<i>thi2</i>	thiazole biosynthetic enzyme		2.05
SPCC188.07		nicotinic acid plasma membrane transporter (predicted)	nicotinic acid plasma membrane transporter (predicted)	2.05
SPAC227.03c	<i>cwf16</i>	splicing factor (predicted)		2.05
SPAC3A12.06c		NAD/NADH kinase (predicted)	NAD/NADH kinase (predicted)	2.05
SPAC458.05		UPF0171 family protein		2.05
SPCC1739.15	<i>coq4</i>	ubiquinone biosynthesis protein Coq4 (predicted)	ubiquinone biosynthesis protein Coq4	2.04
SPAC23D3.13c		histone H4 variant	histone H4 variant	2.04
SPPC31B10.02		Der1-like (degradation in the ER) family		2.04
SPCC330.04c		MSP domain	MSP domain	2.04
SPAC1006.01	<i>meu25</i>	sequence orphan		2.04
SPAC6G10.10c	<i>apc11</i>	anaphase-promoting complex subunit Apc11	anaphase-promoting complex subunit Apc11	2.03
SPAC22E12.06c	<i>fis1</i>	mitochondrial fission protein Fis1 (predicted)	mitochondrial fission protein Fis1 (predicted)	2.03
SPBC16C6.03c	<i>gpi15</i>	pig-H (predicted)		2.03
SPCC70.04c	<i>mug169</i>	sequence orphan	sequence orphan	2.03
SPAC23C4.18c	<i>dpm2</i>	dolichol-phosphate mannosyltransferase subunit 2 (predicted)		2.03
SPAC3H5.04	<i>mde2</i>	Mde2 protein		2.03
SPBC1711.11		NAD dependent epimerase/dehydratase family protein	NAD dependent epimerase/dehydratase family protein	2.03
SPCC1682.15	<i>cpp1</i>	protein farnesyltransferase beta subunit Cpp1	protein farnesyltransferase beta subunit Cpp1	2.02
SPBC646.15c	<i>fh1</i>	fork head transcription factor Fh1		2.02
SPBPB2B2.13		sequence orphan		2.02
SPBC16A3.18		tRNA nucleotidyltransferase (predicted)	tRNA nucleotidyltransferase (predicted)	2.02
SPBC83.01	<i>pzh1</i>	serine/threonine protein phosphatase Pzh1	serine/threonine protein phosphatase Pzh1	2.02
SPCC364.02c		amino acid transporter (predicted)	amino acid transporter (predicted)	2.02

SPAC1142.08		sequence orphan	sequence orphan	2.02
SPCC126.09		sequence orphan		2.01
SPAC57A10.05c	<i>psf2</i>	GINS complex subunit Psf2		2.01
SPAC227.14		voltage-dependent anion-selective channel	voltage-dependent anion-selective channel	2.01
SPAC19B12.10		sphingolipid biosynthesis protein	sphingolipid biosynthesis protein	2.01
SPBC18H10.05		dubious	dubious	2.01
SPBC660.06	<i>btn1</i>	battenin CLN3 family protein	battenin CLN3 family protein	2.01
SPCC1442.11c	<i>rep1</i>	MBF transcription factor complex subunit Rep1		2.00
SPCC1919.03c	<i>cdc10</i>	MBF transcription factor complex subunit Cdc10		2.00
SPBC409.12c	<i>gad8</i>	serine/threonine protein kinase Gad8	serine/threonine protein kinase Gad8 (PMID 12805221)	2.00
SPBC28E12.06c		nitrilase (predicted)	nitrilase (predicted)	2.00
SPBC25B2.03		membrane transporter (predicted)	membrane transporter (predicted)	2.00
SPAC1A6.11		sequence orphan		2.00
SPBC1105.10		sequence orphan	sequence orphan	2.00
SPAC31G5.07	<i>scn1</i>	TatD DNase family Scn1	TatD DNase family Scn1	2.00
SPCC18B5.11c	<i>win1</i>	MAP kinase kinase kinase Win1		2.00
SPBC1348.01		sequence orphan	sequence orphan	1.99
SPAC31G5.09c	<i>cbp3</i>	ubiquinol cytochrome-c reductase assembly protein Cbp3	ubiquinol cytochrome-c reductase assembly protein Cbp3	1.99
SPAC1952.09c		sphingosine hydroxylase (predicted)		1.99
SPCC757.04		pseudogene		1.99
SPCC320.04c	<i>toc1</i>	Tor Complex Tor2 interacting protein 1		1.98
SPBC30D10.09c		conserved fungal protein	conserved fungal protein	1.98
SPBC4B4.02c	<i>hem15</i>	ferrochelatase	ferrochelatase	1.98
SPBP4H10.17c		conserved fungal protein	conserved fungal protein	1.98
SPAC1002.19	<i>gpi7</i>	GPI anchor biosynthesis protein Gpi7 (predicted)	GPI anchor biosynthesis protein Gpi7 (predicted)	1.97
SPBC11C11.06c	<i>ccq1</i>	telomere maintenance protein	telomere maintenance protein	1.97
SPBC1D7.02c	<i>bis1</i>	stress response protein Bis1	stress response protein Bis1	1.97
SPBC216.03	<i>tfb5</i>	transcription factor TFIIH complex subunit Tfb5 (predicted)	transcription factor TFIIH complex subunit Tfb5 (predicted)	1.97
SPCC1259.15c	<i>idp1</i>	isocitrate dehydrogenase Idp1	isocitrate dehydrogenase Idp1	1.97

SPAPB1A11.01	<i>asp1</i>	inositol hexakisphosphate kinase/inositol pyrophosphate synthase (predicted)	inositol hexakisphosphate kinase (predicted)	1.97
SPCC285.10c	<i>mug4</i>	sequence orphan	sequence orphan	1.97
SPBC543.05c		transcription factor, zf-fungal binuclear cluster type (predicted)	transcription factor (predicted)	1.97
SPAC6G10.08	<i>thp1</i>	uracil DNA N-glycosylase Thp1	uracil DNA N-glycosylase Thp1 (PMID 12711670)	1.97
SPCC70.03c	<i>slu7</i>	splicing factor Slu7		1.97
SPAC328.04	<i>cwc16</i>	complexed with Cdc5 protein Cwf16		1.96
SPCC1235.15	<i>thi9</i>	thiamine transporter Thi9	amino acid permease, unknown 2	1.96
SPAPB8E5.10		membrane transporter	membrane transporter	1.96
SPAC13G7.13c	<i>mug184</i>	meiotically upregulated gene Mug184	meiotically upregulated gene Mug184	1.96
SPACUNK4.10		amino acid permease, unknown 15	amino acid permease, unknown 15	1.96
SPCC11E10.01	<i>mug15</i>	sequence orphan	sequence orphan	1.96
SPAC3G6.09c		aromatic aminotransferase (predicted)	aromatic aminotransferase (predicted)	1.95
SPBPB2B2.06c	<i>ypt4</i>	GTPase Ypt4	GTPase Ypt4	1.95
SPBC6B1.05c		LEA domain protein	LEA domain protein	1.95
SPAC4H3.12c		sequence orphan		1.95
SPCC63.04	<i>mug157</i>	conserved protein (fungal and bacterial)	conserved protein (fungal and bacterial)	1.95
SPAC144.10c	<i>mrp51</i>	mitochondrial ribosomal protein subunit L51-b (predicted)	mitochondrial ribosomal protein subunit L51-b (predicted)	1.95
SPAC29A4.11	<i>mug67</i>	PPPDE peptidase family (predicted)	PPPDE peptidase family (predicted)	1.95
SPAC167.05	<i>liz1</i>	pantothenate transporter		1.95
SPCC320.03	<i>prp16</i>	ATP-dependent RNA helicase Prp16		1.95
SPBC20F10.06		NLI interacting factor family		1.94
SPCC1494.03	<i>zrt1</i>	ZIP zinc transporter Zrt1		1.94
SPAC20G4.05c	<i>pvg5</i>	PvGal biosynthesis protein Pvg5	PvGal biosynthesis protein Pvg5	1.94
SPAC9E9.05	<i>vps17</i>	retromer complex subunit Vps17	retromer complex subunit Vps17	1.94
SPBC36.10		conserved fungal protein		1.94
SPCC965.09	<i>hsf1</i>	transcription factor Hsf1	transcription factor Hsf1	1.94
SPBC530.05	<i>grx3</i>	monothiol glutaredoxin Grx3	monothiol glutaredoxin Grx3	1.94
SPBC15D4.12c	<i>res2</i>	MBF transcription factor complex subunit Res2	MBF transcription factor complex subunit Res2	1.93
SPBC12C2.02c		sequence orphan	sequence orphan	1.93
SPAP8A3.05	<i>mde3</i>	serine/threonine protein kinase Mde3		1.93
SPAPYUG7.06	<i>bgs2</i>	1,3-beta-glucan synthase subunit Bgs2	1,3-beta-glucan synthase subunit Bgs2	1.92

SPBC16E9.17c		RNA-binding protein		1.92
SPBC21D10.09c		WD repeat protein		1.92
SPAC922.06	<i>tsc1</i>	hamartin	hamartin	1.92
SPAC5D6.09c		sequence orphan		1.92
SPAC27D7.13c	<i>tbf1</i>	telomeric repeat binding factor Trf1		1.91
SPAC4G9.10	<i>nep1</i>	NEDD8 protease Nep1		1.91
SPAC227.15		protein phosphatase inhibitor (predicted)	protein phosphatase inhibitor (predicted)	1.91
SPCC63.05	<i>abc1</i>	ABC1 kinase family protein		1.91
SPAC607.08c	<i>cip1</i>	RNA-binding protein Cip1		1.91
SPCC1183.05c	<i>csn1</i>	COP9/signalosome complex subunit Csn1		1.91
SPBC409.17c		mitochondrial Rieske ISP assembly ATPase (predicted)	Rieske ISP assembly protein	1.91
SPBC32F12.08c		MS ion channel protein 1		1.91
SPAC4D7.10c	<i>gnr1</i>	heterotrimeric G protein beta subunit Gnr1	heterotrimeric G protein beta subunit Gnr1	1.91
SPAC27E2.07	<i>rga3</i>	GTPase activating protein Rga3	GTPase activating protein Rga3	1.91
SPAC1039.09	<i>tfg1</i>	transcription factor TFIIIF complex alpha subunit Tfg1 (predicted)	transcription factor TFIIIF complex alpha subunit Tfg1	1.90
SPAC1F3.09	<i>tco1</i>	RTA1-like protein	RTA1-like protein	1.90
SPCC1020.10		membrane transporter	membrane transporter	1.90
SPBP4H10.16c	<i>btb1</i>	BTB/POZ domain protein Btb1	BTB/POZ domain protein Btb1	1.90
SPBC16D10.05	<i>rad16</i>	DNA repair endonuclease XPF	DNA repair endonuclease XPF	1.90
SPCC757.02c		peroxin Pex28/29	peroxin Pex28/29	1.90
SPAC25G10.03	<i>tht2</i>	meiotically upregulated gene Mug22	meiotically upregulated gene Mug22	1.90
SPCC757.11c		membrane transporter	membrane transporter	1.89
SPBC16E9.16c		sequence orphan		1.89
SPAC20G8.10c		ubiquitin-protein ligase E3 (predicted)		1.89
SPAC22A12.11		transcription factor (predicted)		1.89
SPBP4H10.07	<i>mok14</i>	alpha-1,3-glucan synthase Mok14	alpha-1,3-glucan synthase Mok14	1.89
SPBP35G2.12		transcription factor (predicted)	transcription factor (predicted)	1.89
SPBC2F12.05c		sequence orphan		1.88
SPBPB21E7.08		DUF1640 family protein	DUF1640 family protein	1.88
SPBC119.07	<i>tip41</i>	TIP41-like type 2a phosphatase regulator Tip41	TIP41-like type 2a phosphatase regulator Tip41	1.88

SPAC1F8.01	<i>cox1102</i>	fusion cytochrome c oxidase assembly protein Cox1102, mitochondrial ribosomal protein Rsm2202		1.88
SPCC584.03c		Mvp17/PMP22 family protein 1	Mvp17/PMP22 family	1.88
SPBC18A7.01		conserved eukaryotic protein	conserved eukaryotic protein	1.88
SPAC22H12.05c		RNA polymerase II associated Paf1 complex (predicted)		1.88
SPAC144.13c	<i>tel2</i>	Tel2/Rad-5/Clk-2 family protein Tel2	nuclear telomere cap complex subunit (predicted)	1.88
SPCC794.03		nuclease, XP-G family	nuclease, XP-G family	1.88
SPCC285.11		sequence orphan		1.87
SPAC14C4.07		serine/threonine protein phosphatase (predicted)		1.87
SPCC965.06		vacuolar sorting protein (predicted)		1.87
SPCC70.10		iron sulfur cluster assembly protein (predicted)		1.87
SPBC428.16c		phospholipid scramblase	scramblase	1.87
SPAC6F12.12	<i>cdd1</i>	cytidine deaminase Ccd1	cytidine deaminase Pcd1	1.87
SPBC1778.03c	<i>pcp1</i>	pericentrin Pcp1	pericentrin Pcp1	1.87
SPAC15F9.01c		S. pombe specific DUF999 family protein 1	S. pombe specific DUF999 family protein 1	1.87
SPBC947.08c		glycoprotein (predicted)		1.86
SPAC5D6.06c		inorganic pyrophosphatase	inorganic pyrophosphatase	1.86
SPAC23G3.02c		mitochondrial iron ion transporter	mitochondrial iron ion transporter	1.86
SPCC63.14		tubulin specific chaperone cofactor C (predicted)	tubulin specific chaperone cofactor C (predicted)	1.86
SPAC25B8.18	<i>sds23</i>	inducer of sexual development Sds23/Moc1		1.86
SPCC18B5.05c		THIJ/PFPI family peptidase (predicted)	THIJ/PFPI family peptidase (predicted)	1.86
SPCC16C4.03		proline dehydrogenase	proline dehydrogenase	1.86
SPAC19A8.05c		mitochondrial DNA binding endonuclease		1.86
SPAC6B12.02c		sequence orphan	sequence orphan	1.86
SPCC16A11.04		phosphatidylinositol-3-phosphatase (predicted)	phosphatidylinositol-3-phosphatase (predicted)	1.86
SPBC4F6.06		caspase	caspase	1.85
SPAP27G11.16	<i>duo1</i>	DASH complex subunit Duo1 (predicted)		1.85
SPAC10F6.04	<i>aah2</i>	alpha-amylase homolog Aah2	alpha-amylase homolog Aah2	1.85
SPBC1289.11	<i>mug30</i>	ubiquitin-protein ligase E3		1.85

SPAC6B12.08	<i>rap1</i>	telomere binding protein Rap1		1.85
SPAPB8E5.05		uracil permease (predicted)		1.85
SPCC320.06		phosphatidylserine decarboxylase (predicted)	phosphatidylserine decarboxylase (predicted)	1.85
SPAC6C3.08	<i>mus7</i>	DNA repair protein Mus7/Mms22	DNA repair protein Mus7	1.85
SPAC11D3.09		ubiquitin-protein ligase E3 (predicted)		1.85
SPCC191.05c	<i>tim40</i>	TIM22 inner membrane protein import complex subunit Tim40	TIM22 inner membrane protein import complex subunit Tim40	1.85
SPACUNK12.02c		isocitrate lyase	isocitrate lyase	1.84
SPAC1420.01c		DUF59 family protein	DUF59 family protein	1.84
SPAC22F3.09c		sequence orphan		1.84
SPBC21B10.02		palmitoyltransferase (predicted)		1.84
SPAC2F3.08	<i>pmp1</i>	dual-specificity MAP kinase phosphatase Pmp1	dual-specificity MAP kinase phosphatase Pmp1	1.83
SPAC1142.03c	<i>mug65</i>	spore wall assembly protein (predicted)	spore wall assembly protein (predicted)	1.83
SPBC800.02	<i>tsf1</i>	mitochondrial translation elongation factor EF-Ts Tsf1	mitochondrial translation elongation factor EF-Ts Tsf1 (PMID 15695360)	1.83
SPBC1711.17	<i>tra1</i>	phosphatidylinositol kinase-related protein Tra1		1.83
SPAC186.07c		mitochondrial GTPase Guf1 (predicted)	mitochondrial GTPase Guf1 (predicted)	1.83
SPAC26A3.11		human GRASP protein homolog (predicted)	human GRASP protein homolog (predicted)	1.83
SPBC800.11		NADH pyrophosphatase (predicted)		1.83
SPBC685.03	<i>sre1</i>	sterol regulatory element binding protein Sre1		1.83
SPBC23G7.16		WD repeat protein, human WDR7 ortholog		1.83
SPAC17A2.06c	<i>coq6</i>	monooxygenase Coq6		1.82
SPAC12G12.16c		inositol phosphosphingolipid phospholipase C (predicted)		1.82
SPBC902.05c	<i>sgt1</i>	SGT1 family transcriptional regulator Sgt1	SGT1 family protein Sgt1	1.82
SPAPYUK71.03c		nifs homolog	nifs homolog	1.82
SPBC1773.05c	<i>whi5</i>	cell cycle transcriptional repressor Whi5	cell cycle transcriptional repressor Whi5	1.82
SPBC646.13		protein disulfide isomerase (predicted)	protein disulfide isomerase (predicted)	1.82
SPAC22A12.17c		mitochondrial ribosomal protein subunit L9 (predicted)	mitochondrial ribosomal protein subunit L9 (predicted)	1.82

SPAC56E4.02c		aminopeptidase (predicted)	aminopeptidase (predicted)	1.82
SPBC11C11.03	<i>atg15</i>	triacylglycerol lipase Atg15 (predicted)	triacylglycerol lipase Atg15 (predicted)	1.81
SPAC18B11.05		serine/threonine protein kinase (predicted)	serine/threonine protein kinase (predicted)	1.81
SPBC36B7.05c		RNA-binding protein	RNA-binding protein	1.81
SPAC2E12.05		sequence orphan	sequence orphan	1.81
SPBC21B10.12	<i>vps8</i>	WD repeat protein Vps8	WD repeat protein Vps8	1.81
SPBPB2B2.11		6-phosphofructo-2-kinase (predicted)	6-phosphofructo-2-kinase (predicted)	1.81
SPAC4H3.08	<i>vps41</i>	vacuolar protein sorting-associated protein Vps41	vacuolar protein sorting-associated protein Vps41	1.80
SPCPJ732.03	<i>isa2</i>	iron-sulfur protein Isa2		1.80
SPAC1F3.02c		sequence orphan	sequence orphan	1.80
SPAC869.06c		AP-1 accessory protein (predicted)		1.80
SPAC12B10.13	<i>coq9</i>	ubiquinone biosynthesis protein Coq9 (predicted)	ubiquinone biosynthesis protein Coq9 (predicted)	1.79
SPBC2D10.06		dubious	dubious	1.79
SPAC18B11.04	<i>apc10</i>	anaphase-promoting complex subunit Apc10		1.79
SPAC13F5.07c	<i>snf5</i>	chromatin remodeling complex subunit Snf5 (predicted)	chromatin remodeling complex subunit Snf5 (predicted)	1.79
SPAC1782.03		ENTH domain protein (predicted)	conserved fungal protein	1.79
SPAC11E3.09		DUF1941 family protein	DUF1941 family protein	1.79
SPCC1919.04	<i>set6</i>	histone lysine methyltransferase Set6 (predicted)		1.79
SPAC26F1.11	<i>ufd1</i>	Cdc48-Ufd1-Npl4 complex component Ufd1 (predicted)		1.79
SPCC338.04	<i>rhp14</i>	XP-A family homolog Rhp14	XP-A family homolog Rhp14	1.78
SPBC19C2.05		ATP-dependent RNA helicase, spliceosomal (predicted)	ATP-dependent RNA helicase, spliceosomal (predicted)	1.78
SPCC338.12		DUF1748 family protein	DUF1748 family protein	1.78
SPCC1620.04c	<i>cdc24</i>	DNA replication protein Cdc24	DNA replication protein Cdc24	1.78
SPBC12D12.04c		conserved fungal protein	conserved fungal protein	1.78
SPCC1223.09	<i>lig4</i>	DNA ligase Lig4	DNA ligase Lig4	1.78
SPCC548.07c		phosphoinositide binding protein	phosphoinositide binding protein	1.78
SPAC1039.05c	<i>ubx2</i>	UBX domain protein Ubx2	UBX domain protein Ubx2	1.78
SPAC1834.08	<i>mto1</i>	MT organizer Mto1	MT organizer Mto1	1.78
SPCC1235.14		inorganic phosphate transporter (predicted)	inorganic phosphate transporter (predicted)	1.78

SPAPB17E12.09	<i>mcp3</i>	sequence orphan	sequence orphan	1.77
SPAC824.07		inorganic anion exchanger (predicted)		1.77
SPBC530.07c		dubious		1.77
SPAC2C4.15c	<i>cdc16</i>	two-component GAP Cdc16	two-component GAP Cdc16	1.77
SPAC25H1.03		phosphatase activator (predicted)		1.77
SPAP7G5.06		pseudogene (predicted)		1.77
SPAC212.07c	<i>pck2</i>	protein kinase C (PKC)-like Pck2		1.77
SPAC1805.10	<i>ubc1</i>	ubiquitin conjugating enzyme Ubc1		1.77
SPBC713.02c		transcription factor, zf-fungal binuclear cluster type (predicted)		1.77
SPAC11E3.02c		mitochondrial DNA binding endonuclease		1.76
SPBC1773.03c	<i>rad15</i>	transcription factor TFIIH complex subunit Rad15	transcription factor TFIIH complex subunit Rad15	1.76
SPBC23G7.13c		FAD synthetase	FAD synthetase	1.76
SPBC839.02	<i>sec8</i>	exocyst complex subunit Sec8	exocyst complex subunit Sec8	1.76
SPAC11G7.03	<i>itr2</i>	MFS myo-inositol transporter	MFS myo-inositol transporter	1.76
SPAC4F10.02		dienelactone hydrolase family		1.76
SPAC27F1.05c	<i>bdp1</i>	transcription factor TFIIIB complex subunit Bdp1 (predicted)	transcription factor TFIIIB complex subunit Bdp1 (predicted)	1.76
SPAC22H10.02		conserved fungal protein	conserved fungal protein	1.76
SPAC1D4.02c		sequence orphan		1.76
SPAC10F6.14c		IMP 5'-nucleotidase (predicted)		1.76
SPAC1B3.20	<i>pep3</i>	ubiquitin-protein ligase E3 (predicted)	ubiquitin-protein ligase E3 (predicted)	1.76
SPCC1322.08	<i>meu15</i>	sequence orphan	sequence orphan	1.75
SPCC962.01		human hmmtag2 homolog	human hmmtag2 homolog	1.75
SPBC651.09c	<i>stg1</i>	SM22/transgelin-like actin modulating protein Stg1	SM22/transgelin-like actin modulating protein Stg1	1.75
SPAC2C4.07c	<i>brf1</i>	transcription factor TFIIIB complex subunit Brf1		1.75
SPAC11E3.06	<i>spn7</i>	septin Spn7		1.75
SPBC800.07c		human ZNF277P homolog	human ZNF277P homolog	1.75
SPBC17G9.13c	<i>rga6</i>	GTPase activating protein Rga6	GTPase activating protein Rga6	1.75
SPAC4G8.04	<i>ago1</i>	argonaute	argonaute	1.75
SPBC26H8.01		GRAM domain protein		1.75
SPAC6C3.04	<i>wtf7</i>	wtf element Wtf7	wtf element Wtf7	1.74
SPCC1281.04		sequence orphan	sequence orphan	1.74

SPBC21B10.11	<i>pep7</i>	prevacuole/endosomal FYVE tethering component Pep7 (predicted)	prevacuole/endosomal FYVE tethering component Pep7 (predicted)	1.74
SPBP16F5.03c	<i>vps45</i>	vacuolar sorting protein Vps 45 (predicted)	vacuolar sorting protein Vps 45	1.74
SPAC22F8.02c		DuF1740 family protein		1.74
SPAC23C4.12		sequence orphan	sequence orphan	1.74
SPBC1683.12	<i>zfs1</i>	CCCH tandem zinc finger protein, human Tristetraprolin homolog Zfs1		1.74
SPBC21.02		synoviolin homolog		1.74
SPBC106.13		alpha,alpha-trehalose-phosphate synthase (predicted)	alpha,alpha-trehalose-phosphate synthase (predicted)	1.74
SPCC14G10.04	<i>cut7</i>	kinesin-like protein Cut7	kinesin-like protein Cut7	1.74
SPAC26F1.01		RNA-binding protein		1.74
SPAC6F6.18c		DUF1640 family protein	DUF1640 family protein	1.73
SPAC6C3.03c		DNAJ domain protein, DNAJC11 family	DNAJ domain protein, DNAJC11 family	1.73
SPAC19D5.01	<i>maf1</i>	repressor of RNA polymerase III Maf1 (predicted)	repressor of RNA polymerase III Maf1 (predicted)	1.73
SPCC4F11.02		conserved fungal protein	conserved fungal protein	1.73
SPBC359.06	<i>bud6</i>	actin interacting protein 3 homolog Bud6		1.73
SPBC27B12.14	<i>gdi1</i>	GDP dissociation inhibitor Gdi1 (predicted)	GDP dissociation inhibitor Gdi1 (predicted)	1.73
SPAC23C11.06c		sterol binding ankyrin repeat protein	sterol binding ankyrin repeat protein	1.73
SPCC1223.12c	<i>fab1</i>	1-phosphatidylinositol-3-phosphate 5-kinase Fab1	1-phosphatidylinositol-3-phosphate 5-kinase Fab1 (PMID 10567352)	1.72
SPBC1289.10c	<i>mug178</i>	mitochondrial ribosomal protein subunit L51-b		1.72
SPBC6B1.02	<i>sod22</i>	plasma membrane alkali metal cation/H+ antiporter Sod22	plasma membrane alkali metal cation/H+ antiporter Sod22	1.72
SPBC211.07c		metallopeptidase	metallopeptidase	1.72
SPCC1795.07	<i>spn5</i>	septin Spn5	septin Spn5	1.72
SPAC3H1.11		DNAJ domain protein Jac1 (predicted)	DNAJ domain protein Jac1 (predicted)	1.72
SPBC543.03c		6-phosphofructo-2-kinase	6-phosphofructo-2-kinase	1.72
SPBC13G1.05	<i>sod2</i>	CPA1 sodium ion/proton antiporter	CPA1 sodium ion/proton antiporter (PMID 8643524)	1.72
SPBC1271.09		ABC1 kinase family protein	ABC1 kinase family protein	1.72
SPAPJ691.02	<i>tps1</i>	alpha,alpha-trehalose-phosphate synthase [UDP-forming]	alpha,alpha-trehalose-phosphate synthase [UDP-forming]	1.72
SPAC977.17		microfibrillar-associated protein family protein	microfibrillar-associated protein family protein	1.72

SPAC167.06c	<i>did4</i>	vacuolar sorting protein Did4		1.71
SPAC25H1.02	<i>rsp1</i>	random septum position protein Rsp1		1.71
SPCC330.02		ubiquitin family protein, human UBTD1 homolog	ubiquitin family protein, human UBTD1 homolog	1.71
SPBP8B7.30c		sulfate transporter (predicted)		1.71
SPCC10H11.02		CPA1 sodium ion/proton antiporter	CPA1 sodium ion/proton antiporter	1.71
SPBC17A3.02		TAP42 family protein (predicted)	TAP42 family protein (predicted)	1.71
SPCP20C8.03	<i>vam6</i>	guanyl-nucleotide exchange factor Vam6	guanyl-nucleotide exchange factor Vma6	1.71
SPAC630.07c	<i>vps13a</i>	chorein homolog	chorein homolog	1.70
SPAC1002.20		DUF408 family protein	DUF408 family protein	1.70
SPAC977.16c	<i>git3</i>	G-protein coupled receptor Git3	G-protein coupled receptor Git3	1.70
SPCC1494.08c		non-specific DNA binding protein Spt2 (predicted)	non-specific DNA binding protein Spt2 (predicted)	1.70
SPBC1718.06		hydroxyacid dehydrogenase (predicted)	hydroxyacid dehydrogenase (predicted)	1.70
SPBC337.06c		DUF747 family protein		1.70
SPCC576.06c	<i>ubc11</i>	ubiquitin conjugating enzyme E2-C	ubiquitin conjugating enzyme E2-C (PMID 12724408)	1.70
SPAC24C9.06c		sequence orphan	sequence orphan	1.70
SPBC2G2.07c	<i>pyp3</i>	protein-tyrosine phosphatase Pyp3	protein-tyrosine phosphatase Pyp3	1.70
SPAC167.07c		sequence orphan		1.70
SPAC27D7.03c	<i>gpi8</i>	pig-K	pig-K	1.70
SPCC4B3.01		DUF1752 family protein	DUF1752 family protein	1.70
SPBC337.16	<i>spf38</i>	splicing factor Spf38	splicing factor Spf38	1.70
SPAC4A8.04		GTPase Gem1	GTPase Gem1 (PMID 12482879)	1.70
SPAC4G9.14		2',3'-cyclic-nucleotide 3'-phosphodiesterase (predicted)	2',3'-cyclic-nucleotide 3'-phosphodiesterase (predicted)	1.70
SPAC18G6.09c		chromosome segregation protein (predicted)	chromosome segregation protein (predicted)	1.70
SPCC1450.13c	<i>tom13</i>	mitochondrial TOM complex subunit Tom13		1.70
SPBC1921.04c	<i>nsc1</i>	related to neuronal calcium sensor Ncs1	related to neuronal calcium sensor Ncs1	1.69
SPAPB1E7.08c	<i>meu22</i>	amino acid permease, unknown 11		1.69
SPAC12B10.01c	<i>sck1</i>	serine/threonine protein kinase Sck1	serine/threonine protein kinase Sck1	1.69
SPCC1450.07c		mannosyltransferase complex subunit (predicted)	mannosyltransferase complex subunit (predicted)	1.69

SPAC186.02c		ER membrane protein, BIG1 family (predicted)	ER membrane protein, BIG1 family (predicted)	1.69
SPBC15D4.11c	<i>swi2</i>	Swi5 complex subunit Swi2	Swi5 complex subunit Swi2	1.69
SPBP4H10.19c		26S proteasome regulator (predicted)	26S proteasome regulator (predicted)	1.69
SPBC215.13	<i>par2</i>	protein phosphatase regulatory subunit Par2	protein phosphatase regulatory subunit Par2	1.69
SPAC3H8.04		sequence orphan		1.69
SPAC17C9.06		steroid reductase (predicted)	steroid reductase (predicted)	1.69
SPBC1604.01	<i>cwf23</i>	DNAJ domain protein Cwf23		1.69
SPCC777.02	<i>pmh1</i>	transcription factor TFIIH complex subunit Pmh1		1.69
SPBC23G7.11		human down-regulated in multiple cancers-1 homolog 1	human down-regulated in multiple cancers-1 homolog 1	1.69
SPCC895.08c	<i>pap1</i>	transcription factor Caf3	transcription factor Caf3	1.69
SPBP8B7.07c		conserved fungal protein		1.69
SPAC1F7.03		dubious	dubious	1.69
SPAC1F7.06		pseudogene	pseudogene	1.68
SPAC22H12.01c		mitochondrial translation termination factor		1.68
SPBP19A11.07c	<i>hhp2</i>	serine/threonine protein kinase Hhp2	serine/threonine protein kinase Hhp2 (PMID 8026462)	1.68
SPAC1751.04		conserved fungal protein		1.68
SPCC23B6.01c		human CAND1/TIP120 ortholog	TATA binding protein interacting protein (predicted)	1.68
SPAPB2B4.07		FHA domain protein Far10 (predicted)		1.68
SPBC19C7.04c	<i>pmd1</i>	leptomycin efflux transporter Pmd1	leptomycin efflux transporter Pmd1	1.68
SPBC947.10	<i>mrp10</i>	mitochondrial ribosomal protein subunit Mrp10	mitochondrial ribosomal protein subunit Mrp10	1.67
SPBC14C8.01c	<i>atp10</i>	F1-F0 ATPase assembly protein (predicted)	F1-F0 ATPase assembly protein	1.67
SPAC2E1P3.02c		transcription factor (predicted)	transcription factor (predicted)	1.67
SPBC106.03	<i>hsp16</i>	heat shock protein Hsp16		1.67
SPCC1795.06	<i>git1</i>	C2 domain protein Git1		1.67
SPAC29E6.05c	<i>myo2</i>	myosin II heavy chain	myosin II heavy chain	1.67
SPBC24C6.06	<i>scd2</i>	scaffold protein Scd2	scaffold protein Scd2	1.67
SPCC622.15c		SAGA complex subunit Sgf29 (predicted)		1.67
SPBC29B5.01		human ZC3H3 homolog		1.67
SPBC11C11.12	<i>rec27</i>	meiotic recombination protein Rec27		1.67

SPBP23A10.04		cytoskeletal signaling protein	cytoskeletal signaling protein	1.67
SPAC57A10.11c	<i>ure2</i>	urease	urease (PMID 9301025)	1.66
SPBP8B7.27		amidohydrolase	amidohydrolase	1.66
SPCC24B10.02c	<i>gap1</i>	GTPase activating protein Gap1		1.66
SPBC359.05	<i>pin1</i>	peptidyl-prolyl cis-trans isomerase Pin1	peptidyl-prolyl cis-trans isomerase Pin1	1.66
SPAC17G6.08			dubious	1.66
SPBC1347.11	<i>pst1</i>	Clr6 histone deacetylase complex subunit Pst1		1.66
SPAC23E2.03c		RanGTP-binding protein (predicted)	RanGTP-binding protein (predicted)	1.66
SPBC106.10		SAGA complex subunit (predicted)		1.66
SPAC644.07	<i>mad3</i>	mitotic spindle checkpoint protein Mad3	mitotic spindle checkpoint protein Mad3	1.66
SPBC27B12.08	<i>ppk21</i>	serine/threonine protein kinase Ppk21		1.66
SPCC16A11.15c	<i>pcr1</i>	transcription factor Pcr1	transcription factor Pcr1	1.65
SPAC4F8.08	<i>cwf15</i>	complexed with Cdc5 protein Cwf15		1.65
SPAC22A12.08c	<i>csn2</i>	COP9/signalosome complex subunit Csn2	COP9/signalosome complex subunit Csn2 (PMID 11854407)	1.65
SPAC12G12.11c	<i>dot2</i>	EAP30 family protein Dot2		1.65
SPAC9E9.17c		conserved fungal protein		1.65
SPBC8D2.19	<i>alo1</i>	D-arabinono-1,4-lactone oxidase	D-arabinono-1,4-lactone oxidase	1.65
SPBC119.09c	<i>apc5</i>	anaphase-promoting complex subunit Apc5	anaphase-promoting complex subunit Apc5 (PMID 12477395)	1.65
SPCC790.02	<i>pdt1</i>	Nramp family manganese ion transporter	Nramp family manganese ion transporter	1.65
SPAC14C4.03	<i>tea4</i>	tip elongation aberrant protein Tea4	tip elongation aberrant protein Tea4	1.65
SPCC24B10.03		guanyl-nucleotide exchange factor (predicted)	guanyl-nucleotide exchange factor	1.65
SPAC1783.07c		urea transporter (predicted)	urea transporter (predicted)	1.65
SPCC1259.09c	<i>pku70</i>	Ku domain protein Pku70	Ku domain protein Pku70	1.65
SPAC212.04c		TRAPP complex subunit Bet3 (predicted)	TRAPP complex subunit Bet3 (predicted)	1.64
SPAC20G4.02c	<i>cdc14</i>	SIN component Cdc14		1.64
SPAC22F8.05		cyclin pho85 family		1.64
SPBC19C2.09	<i>zds1</i>	zds family protein Zds1	zds family protein Zds1	1.64
SPAC11H11.02c		GTPase regulator (predicted)		1.64
SPAC27D7.11c		dubious		1.64

SPCC1322.14c	<i>cho1</i>	phosphatidyl-N-methylethanolamine N-methyltransferase (predicted)		1.64
SPBC609.03		calreticulin/calnexin homolog		1.64
SPAC56F8.15		frataxin homolog	frataxin homolog	1.64
SPCC1919.14c		leucine carboxyl methyltransferase (predicted)		1.63
SPAC17G6.02c		succinate-CoA ligase alpha subunit	succinate-CoA ligase (alpha subunit)	1.63
SPAC19G12.03		dubious	sequence orphan	1.63
SPBC11C11.01		5-amino-6-(5-phosphoribosylamino) uracil reductase		1.63
SPAC10F6.06		NADPH cytochrome reductase (predicted)	NADPH cytochrome reductase	1.63
SPAC869.09	<i>tps2</i>	trehalose-phosphate synthase Tps2 (predicted)	trehalose-phosphate synthase Tps2 (predicted)	1.63
SPBC1685.05		sequence orphan	sequence orphan	1.63
SPAC20G8.02	<i>mit1</i>	SHREC complex subunit Mit1		1.63
SPBP4G3.03	<i>cdc12</i>	formin Cdc12	formin Cdc12	1.63
SPAC139.03		RNA-binding protein, G-patch type (predicted)	RNA-binding protein (predicted)	1.63
SPCC1322.05c		HEAT repeat protein, unknown biological role	HEAT repeat protein, unknown biological role	1.63
SPBC2G2.01c	<i>mug162</i>	sequence orphan	sequence orphan	1.62
SPAC23A1.18c		serine protease (predicted)		1.62
SPCC1223.10c		sequence orphan		1.62
SPCP31B10.06	<i>oar2</i>	3-oxoacyl-[acyl-carrier-protein] reductase Oar2 (predicted)	3-oxoacyl-[acyl-carrier-protein] reductase Oar2 (predicted)	1.62
SPBP18G5.03		transcription factor, zf-fungal binuclear cluster type (predicted)		1.62
SPBC1706.02c	<i>cdt2</i>	WD repeat protein Cdt2	WD repeat protein Cdt2	1.62
SPCC1235.08c		carboxypeptidase (predicted)		1.62
SPBC2D10.18		ubiquitin-protein ligase E3 (predicted)	ubiquitin-protein ligase E3 (predicted)	1.61
SPAP19A11.05c		sequence orphan	sequence orphan	1.61
SPAC1006.04c	<i>ppk31</i>	serine/threonine protein kinase Ppk31 (predicted)		1.61
SPBC21C3.03	<i>spn6</i>	septin Spn6	septin Spn6	1.61
SPBC26H8.05c		conserved fungal protein	conserved fungal protein	1.61
SPBC428.10	<i>git7</i>	SGT1-like protein Git7		1.60
SPAC1952.13	<i>lvs1</i>	beige protein homolog		1.60

SPCC191.10		zf-FYVE type zinc finger protein		1.60
SPAC1F5.09c	<i>exg2</i>	glucan 1,3-beta-glucosidase Exg2	glucan 1,3-beta-glucosidase Exg2	1.60
SPBC32F12.03c		DUF1769 family protein		1.60
SPAC17G8.12	<i>cut4</i>	anaphase-promoting complex subunit Apc1	anaphase-promoting complex subunit Apc1	1.60
SPAC644.11c	<i>csx1</i>	RNA-binding protein Csx1	RNA-binding protein Csx1	1.60
SPBC20F10.02c	<i>sid2</i>	Sid2p-Mob1p kinase complex subunit Sid2	Sid2p-Mob1p kinase complex	1.60
SPCC1753.02c	<i>uba5</i>	NEDD8 activating enzyme (predicted)	NEDD8 activating enzyme (predicted)	1.60
SPAC21E11.03c	<i>mug33</i>	conserved fungal protein	conserved fungal protein	1.60
SPCC191.04c	<i>ctr5</i>	copper transporter complex subunit Ctr5 (predicted)	copper transporter complex subunit Ctr5 (predicted)	1.60
SPAC4G8.12c	<i>sxa2</i>	serine carboxypeptidase Sxa2	serine carboxypeptidase Sxa2	1.59
SPBC106.09	<i>pvg2</i>	galactose residue biosynthesis protein Pvg2	galactose residue biosynthesis protein Pvg2	1.59
SPAC1F3.10c	<i>sec18</i>	secretory pathway protein Sec18 (predicted)	secretory pathway protein Sec18 (predicted)	1.59
SPBC3H7.02	<i>otu1</i>	ubiquitin-specific protease (predicted)	ubiquitin-specific protease (predicted)	1.59
SPACUNK4.17		sequence orphan	sequence orphan	1.59
SPBC887.18c	<i>jmj1</i>	Jmj1 protein	Jmj1 protein	1.59
SPBC2D10.05	<i>ctr4</i>	copper transporter complex subunit Ctr4	copper transporter complex subunit Ctr4 (PMID 11274192)	1.59
SPCC1919.10c	<i>vti1</i>	SNARE Vti1		1.59
SPBC1198.13c	<i>tfa2</i>	transcription factor TFIIE beta subunit Tfa2	transcription factor TFIIE beta subunit Tfa2	1.59
SPAC23H3.04	<i>arg3</i>	ornithine carbamoyltransferase Arg3	ornithine carbamoyltransferase Arg3	1.59
SPBC19C7.03		CASP family protein	CASP family protein	1.59
SPAC8C9.03		spermidine family transporter (predicted)		1.59
SPBC3E7.08c	<i>tmp1</i>	thymidylate kinase Tmp1	thymidylate kinase Tmp1	1.58
SPAC24C9.13c		steroid dehydrogenase (predicted)	steroid dehydrogenase (predicted)	1.58
SPAC869.08	<i>vip1</i>	RNA-binding protein Vip1	RNA-binding protein Vip1	1.58
SPBPJ4664.03	<i>snf22</i>	ATP-dependent DNA helicase Snf22	ATP-dependent DNA helicase Snf22	1.58
SPCC162.03	<i>rad4</i>	BRCT domain protein Rad4	BRCT domain protein Rad4	1.58
SPAC4F10.17		histone promoter control protein Hpc2 (predicted)		1.58
SPAC20H4.02	<i>mek1</i>	Cds1/Rad53/Chk2 family protein kinase Mek1	Cds1/Rad53/Chk2 family protein kinase Mek1 (PMID 12482912)	1.58
SPAC1B3.06c		B13958 domain	B13958 domain	1.58

SPBC649.03	<i>gtr2</i>	Gtr1/RagA G protein Gtr2	Gtr1/RagA G protein Gtr2	1.58
SPAC3A11.05c		conserved protein (fungal and plant)		1.58
SPAC23C4.05c		nitrogen permease regulator family	nitrogen permease regulator family	1.58
SPAC186.04c	<i>spo5</i>	meiotic RNA-binding protein 1	meiotic RNA-binding protein 1	1.58
SPBC713.08	<i>sdh2</i>	succinate dehydrogenase (ubiquinone) iron-sulfur protein subunit	succinate dehydrogenase (ubiquinone) iron-sulfur protein subunit	1.57
SPBC1D7.05		ski complex interacting GTPase (predicted)	ski complex subunit Ski7 (predicted)	1.57
SPCC132.04c	<i>bet1</i>	SNARE Bet1	SNARE Bet1	1.57
SPBC1778.10c		nuclease		1.57
SPAC630.05	<i>dad1</i>	DASH complex subunit Dad1	DASH complex subunit Dad1	1.57
SPBC660.07		membrane bound O-acyltransferase, MBOAT (predicted)		1.57
SPAC7D4.09c	<i>mak1</i>	histidine kinase Mak1	histidine kinase Mak1	1.57
SPAC688.04c	<i>nak1</i>	PAK-related kinase Nak1		1.57
SPCC1672.08c	<i>srx1</i>	sulfiredoxin	sulphiredoxin (PMID 15824112)	1.57
SPBP18G5.02		clathrin binding protein		1.57
SPAC1039.06	<i>cob1</i>	cytochrome b, Cob1	cytochrome b; respiratory chain complex III; similar to <i>S. cerevisiae</i> Q0105	1.57
SPCC757.07c		Pex16 family peroxisome import protein		1.57
SPAC31G5.15	<i>lkh1</i>	dual specificity protein kinase Lkh1	dual specificity protein kinase Lkh1	1.56
SPAC1486.01	<i>dga1</i>	diacylglycerol O-acyltransferase		1.56
SPCC1919.12c		uracil phosphoribosyltransferase (predicted)	uracil phosphoribosyltransferase (predicted)	1.56
SPBC1734.08		mitochondrial ribosomal protein subunit S37 (predicted)	mitochondrial ribosomal protein subunit S37 (predicted)	1.56
SPBC31F10.02	<i>cyk3</i>	cytokinesis protein Cyk3	cytokinesis protein Cyk3	1.56
SPAC607.09c		alpha-glucosidase	alpha-glucosidase	1.56
SPCC16A11.01		mitochondrial Mvp17/PMP22 family protein 2	Mvp17/PMP22 family	1.56
SPBC1773.09c	<i>pso2</i>	DNA 5' exonuclease (predicted)	DNA 5' exonuclease (predicted)	1.56
SPAC1952.04c	<i>ste20</i>	sterility protein Ste20		1.56
SPAC3A12.08	<i>rhb1</i>	Rheb GTPase Rhb1	Rheb GTPase Rhb1	1.56
SPCC1235.06	<i>scd1</i>	RhoGEF Scd1	RhoGEF Scd1	1.56
SPAC1002.21	<i>mde5</i>	alpha-amylase homolog Mde5	alpha-amylase homolog Mde5	1.56
SPAC22E12.15	<i>tsc2</i>	tuberin	tuberin	1.55
SPAC17A2.07c		sodium/calcium exchanger (predicted)	sodium/calcium exchanger (predicted)	1.55

SPAP27G11.12	<i>aar2</i>	U5 snRNP-associated protein Aar2	U5 snRNP-associated protein Aar2	1.55
SPCC188.12	<i>vps32</i>	vacuolar sorting protein Vps32	vacuolar sorting protein Vps32	1.55
SPAC12D12.09	<i>gwt1</i>	pig-W	pig-W	1.55
SPBC1198.01	<i>yam8</i>	calcium transport protein	calcium transport protein	1.55
SPBC83.12	<i>dcp2</i>	mRNA decapping complex subunit Dcp2	mRNA decapping complex subunit Dcp2	1.55
SPBC1709.09	<i>abc3</i>	ABC transporter Abc3	ABC transporter Abc3	1.55
SPCC191.11		pseudogene	pseudogene	1.55
SPAC1142.05		cleavage and polyadenylation specificity factor (predicted)	cleavage and polyadenylation specificity factor (predicted)	1.55
SPAC105.01c		WIP homolog	WIP homolog	1.55
SPAC4F10.07c	<i>alp4</i>	gamma tubulin complex Spc97/GCP2 subunit Alp4		1.54
SPCC1840.12		dubious	dubious	1.54
SPCC11E10.02c	<i>uap2</i>	U2 snRNP-associated protein Uap2		1.54
SPBC1105.13c	<i>ssp2</i>	serine/threonine protein kinase Ssp2	serine/threonine protein kinase Ssp2	1.54
SPAC1782.01		DUF1741 family protein		1.54
SPBC2G2.17c		membrane transporter		1.54
SPAC56E4.06c	<i>mug77</i>	autophagy associated protein Atg5 (predicted)		1.54
SPAPB17E12.04c		tyrosine-tRNA ligase	tyrosine-tRNA ligase	1.54
SPBC16D10.04c	<i>ubp22</i>	ubiquitin C-terminal hydrolase Ubp22	ubiquitin C-terminal hydrolase Ubp22	1.54
SPAC11D3.01c		hydroxyacid dehydrogenase (predicted)	hydroxyacid dehydrogenase (predicted)	1.54
SPAC23H3.13c	<i>cwf24</i>	zf-C3HC4 type (RING finger)/GCN5-related N acetyltransferase fusion protein		1.54
SPCC830.02		dubious	dubious	1.53
SPAC24B11.05	<i>dna2</i>	DNA replication endonuclease-helicase Dna2		1.53
SPCC306.08c		DUF953 family protein		1.53
SPBC23G7.10c		mitochondrial DNA binding protein (predicted)		1.53
SPBC1718.01		aconitate hydratase	aconitate hydratase	1.53
SPBC651.05c		mitochondrial membrane protein complex assembly protein		1.53
SPAC2E1P3.04		2-methylbutyraldehyde reductase (predicted)	2-methylbutyraldehyde reductase (predicted)	1.53
SPCC736.05		conserved eukaryotic protein		1.53

SPBC1289.02c		sequence orphan		1.53
SPAC1142.07c		calcipressin		1.53
SPCC1450.01c		urease accessory protein UREG (predicted)	urease accessory protein UREG (predicted)	1.53
SPCC18.09c	<i>ndc80</i>	spindle pole body protein Ndc80		1.53
SPAC15A10.06		oxysterol binding protein (predicted)	oxysterol binding protein (predicted)	1.53
SPAC32A11.01	<i>myo52</i>	myosin type V	myosin type V	1.52
SPBP8B7.24c	<i>rad13</i>	DNA repair nuclease Rad13		1.52
SPBC215.07c		WD repeat protein, human WDR70 family	WD repeat protein, human WDR70 family	1.52
SPBC83.05	<i>atp5</i>	F0-ATPase delta subunit	F0-ATPase delta subunit	1.52
SPAP11E10.02c		chromosome segregation protein	chromosome segregation protein	1.52
SPBC29A10.04		conjugation protein (predicted)	conserved fungal protein	1.52
SPAC27D7.08c	<i>hrr1</i>	Helicase Required for RNAi-mediated heterochromatin assembly Hrr1	Helicase Required for RNAi-mediated heterochromatin assembly Hrr1	1.52
SPAC6F6.12	<i>amt3</i>	ammonium transporter Amt3	ammonium transporter Amt3	1.52
SPBC6B1.09c		PWWP domain protein		1.52
SPAC22F3.13		mitochondrial pyruvate dehydrogenase (lipoamide) kinase	pyruvate dehydrogenase (lipoamide) kinase	1.51
SPAC1296.03c		CDC50 domain protein		1.51
SPAC31G5.18c		proteasome component	proteasome component	1.51
SPBC3B9.17	<i>sft2</i>	Golgi transport protein Sft2 (predicted)	Golgi transport protein Sft2 (predicted)	1.51
SPAC6F6.16c		sequence orphan		1.51
SPAC1F7.09c		spindle pole body interacting protein (predicted)		1.51
SPBC215.10		mitochondrial splicing suppressor (predicted)	mitochondrial splicing suppressor (predicted)	1.51
SPBC13E7.10c	<i>gpi17</i>	pig-S	pig-S	1.51
SPBC1773.13	<i>mes1</i>	meiosis II protein Mes1	meiosis II protein Mes1	1.51
SPBC713.09	<i>snx12</i>	sorting nexin Snx12 (predicted)	sorting nexin Snx12 (predicted)	1.51
SPAC17G6.03	<i>sec71</i>	Sec7 domain	Sec7 domain	1.51
SPCC1223.03c		metaxin 1	metaxin 1	1.51
SPCC970.09		NAD binding dehydrogenase family protein		1.51
SPAC23C4.13	<i>psm1</i>	mitotic cohesin complex subunit Psm1		1.51
SPAC688.03c		ORMDL family protein		1.51
SPAC1751.01c		sequence orphan		1.50

SPMIT.01		S. pombe specific DUF999 protein family 5	S. pombe specific DUF999 protein family 5	1.50
SPAC959.09c	<i>vtc4</i>	vacuolar transporter chaperone (VTC) complex subunit (predicted)	vacuolar transporter chaperone (VTC) complex subunit (predicted)	1.50
SPBC1539.02		aspartate aminotransferase (predicted)	aspartate aminotransferase (predicted)	1.50
SPBC1773.02c	<i>app1</i>	App1 protein	App1 protein	1.50
SPCC306.06c	<i>pho2</i>	4-nitrophenylphosphatase		1.50
SPCC162.04c	<i>srb8</i>	mediator complex subunit Srb8	mediator complex subunit Srb8 (PMID 12738880)	1.50
SPBC31E1.01c	<i>php3</i>	CCAAT-binding factor complex subunit Php3	CCAAT-binding factor complex subunit Php3 (PMID 8223474)	1.50
SPCC1620.14c		sequence orphan	sequence orphan	1.50
