

Table S2. All PBM motif matches for each of the TFs characterized in this study

Aft1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.992049	homeostasis_of_metal_ions 2	Hughes et al JMB (2000)
0.988767	metal_ion_transporters_cu_fe_etc 2	Hughes et al JMB (2000)
0.976491	RCS1	Maclsaac et al 2007
0.940686	homeostasis_of_metal_ions_orfnum2SD_n3	Sudarsanam et al Genome Res (2002)
0.93811	AFT2	Maclsaac et al 2007
0.937126	homeostasis_of_metal_ions.ace 3	Sudarsanam et al Genome Res (2002)
0.901697	AFT1	Beer et al Cell(2004)
0.881095	FRE 1	Hughes et al JMB (2000)
0.753142	POP 10	Hughes et al JMB (2000)
0.738036	pheromone_response_generation.ace 7	Sudarsanam et al Genome Res (2002)
0.73347	pheromone_response_generation_orfnum2SD_n7	Sudarsanam et al Genome Res (2002)
0.732628	STB 5	Hughes et al JMB (2000)
0.727126	POP 4	Hughes et al JMB (2000)
0.720102	M581	Beer et al Cell(2004)
0.710085	REB1_YPD_1w0t_A	Morozov and Siggia PNAS (2007)
0.704846	NRG1	Maclsaac et al 2007

Aro80 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.786327	RTG3_RAPA_1ysa	Morozov and Siggia PNAS (2007)
0.780826	GCN4_SM_1ysa	Morozov and Siggia PNAS (2007)
0.77613	ARG80_YPD_1ysa	Morozov and Siggia PNAS (2007)
0.734232	RIB 9	Hughes et al JMB (2000)
0.72429	ARG81_SM_1ysa	Morozov and Siggia PNAS (2007)
0.723911	CDC 3	Hughes et al JMB (2000)
0.718932	STB2	Maclsaac et al 2007
0.710865	mitochondrial_organization 8	Hughes et al JMB (2000)

Asg1 PBM motif matches:

No PBM motif matches found.

Bas1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.922779	BAS1
0.897028	ARG81
0.873994	BAS1
0.866366	ADE 2
0.851679	HIS 3
0.844141	GCN4
0.791927	GCN4
0.783334	RTG3
0.777659	ARG80
0.773334	aminoacid_metabolism 5
0.755542	Bas1.ace 1
0.751368	amino-acid_biosynthesis.ace 4
0.750937	amino-acid_biosynthesis_orfnum2SD_n4
0.750076	Bas1_orfnum2SD_n1
0.744119	aminoacid_biosynthesis 6

Cbf1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.997791	PHO4_Pi-_1a0a
0.997711	MET 1
0.997711	CBF1
0.997711	aminoacid_biosynthesis 4
0.997398	CBF1
0.997015	PHO4
0.996941	CBF1_SM_1an2

References

Maclsaac et al 2007
Maclsaac et al 2007
Beer et al Cell(2004)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Maclsaac et al 2007
Beer et al Cell(2004)
Maclsaac et al 2007
Maclsaac et al 2007
Hughes et all JMB (2000)
Sudarsanam et al Genome Res (2002)
Sudarsanam et al Genome Res (2002)
Sudarsanam et al Genome Res (2002)
Sudarsanam et al Genome Res (2002)
Hughes et all JMB (2000)

References

Morozov and Siggia PNAS (2007)
Hughes et all JMB (2000)
Maclsaac et al 2007
Hughes et all JMB (2000)
Beer et al Cell(2004)
Maclsaac et al 2007
Morozov and Siggia PNAS (2007)

0.991927 CBF1_SM_2dgc	Morozov and Siggia PNAS (2007)
0.991625 regulation_of_aminoacid_metabolism 6	Hughes et all JMB (2000)
0.987496 TYE7	Maclsaac et al 2007
0.966307 MET28_YPD_1an2	Morozov and Siggia PNAS (2007)
0.965691 aminoacid_metabolism 6	Hughes et all JMB (2000)
0.964695 TYE7_YPD_1an2	Morozov and Siggia PNAS (2007)
0.953611 MET4_SM_1an2	Morozov and Siggia PNAS (2007)
0.947945 regulation_of_amino-acid_metabolism_orfnum2SD_n5	Sudarsanam et al Genome Res (2002)
0.947725 regulation_of_amino-acid_metabolism.ace 5	Sudarsanam et al Genome Res (2002)
0.922264 INO2_YPD_1nkp	Morozov and Siggia PNAS (2007)
0.88508 INO4_YPD_1nkp	Morozov and Siggia PNAS (2007)
0.853209 TYE7_YPD_1am9	Morozov and Siggia PNAS (2007)
0.839348 INO2	Maclsaac et al 2007
0.829483 MET4_SM_2dgc	Morozov and Siggia PNAS (2007)
0.806141 Cbf1_s	Tavazoie et al Nat. Genetics (1999)
0.794229 HMS1_YPD_1an2	Morozov and Siggia PNAS (2007)
0.769387 PHO 3	Hughes et all JMB (2000)
0.746701 HAC1	Maclsaac et al 2007
0.722409 PHO.ace 5	Sudarsanam et al Genome Res (2002)
0.711543 PHO4	Beer et al Cell(2004)
0.711543 PHO_orfnumA2SD_n5	Sudarsanam et al Genome Res (2002)
0.709219 INO4	Maclsaac et al 2007

Cep3 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.758301	other_mrnatranscription_activities 3	Hughes et all JMB (2000)
0.755576	RGT1	Maclsaac et al 2007
0.721341	other_vitamin_cofactor_and_prosthetic_group_activiti	Hughes et all JMB (2000)
0.703375	nitrogen_and_sulphur_transport 4	Hughes et all JMB (2000)

Cha4 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.795122	SUT1
0.766163	other_energy_generation_activities 5
0.74794	STB5
0.738636	STB5_YPD_1pyi_TCCG_CGGA
0.705019	YDR520C
0.700592	fermentation 7

References

Maclsaac et al 2007
Hughes et al JMB (2000)
Maclsaac et al 2007
Morozov and Siggia PNAS (2007)
Maclsaac et al 2007
Hughes et al JMB (2000)

Cup9 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.798173	RTG3
0.795508	STE12
0.790857	ARG80_YPD_1ysa
0.790723	GCN4
0.789328	GCN4_SM_1ysa
0.788042	RTG3_RAPA_1ysa
0.777045	aminoacid_metabolism 5
0.773436	ARG81_SM_1ysa
0.772988	GCN4
0.769122	aminoacid_biosynthesis 6
0.767905	amino-acid_biosynthesis_orfnum2SD_n4
0.765074	STE12
0.764634	amino-acid_biosynthesis.ace 4
0.757894	ARG80
0.756561	NDT80_SGD_1mnn
0.751861	drug_transporters 6
0.726933	DIG1
0.720447	ARG81
0.713074	ARG 3
0.708534	protein_folding_and_stabilization 9

References

Maclsaac et al 2007
Beer et al Cell(2004)
Morozov and Siggia PNAS (2007)
Maclsaac et al 2007
Morozov and Siggia PNAS (2007)
Morozov and Siggia PNAS (2007)
Hughes et al JMB (2000)
Morozov and Siggia PNAS (2007)
Beer et al Cell(2004)
Hughes et al JMB (2000)
Sudarsanam et al Genome Res (2002)
Maclsaac et al 2007
Sudarsanam et al Genome Res (2002)
Maclsaac et al 2007
Morozov and Siggia PNAS (2007)
Hughes et al JMB (2000)
Maclsaac et al 2007
Maclsaac et al 2007
Hughes et al JMB (2000)
Hughes et al JMB (2000)

Ecm22 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.781221	SIP4_SM_1pyi_N5
0.750269	glyoxylate_cycle_orfnum2SD_n4
0.73914	CSRE
0.738665	glyoxylate_cycle.ace 4
0.735772	glyoxylate_cycle 1
0.719511	tricarboxylicacid_pathway 1
0.700961	SIP4

References

Morozov and Siggia PNAS (2007)
Sudarsanam et al Genome Res (2002)
Beer et al Cell(2004)
Sudarsanam et al Genome Res (2002)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Maclsaac et al 2007

Fhl1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.880088	GAL 5
0.824838	ARG80
0.802787	SWI6
0.776718	MBP1
0.762002	RTG3
0.738602	HAC1_YPD_1dh3
0.727643	RTG3_RAPA_1ysa
0.718917	NDT80_SGD_1mnn
0.707907	ndt80.ace 1
0.707167	ndt80
0.707167	ndt80_orfnumA2SD_n1
0.704594	M563
0.701507	MET28_YPD_2dgc

References

Hughes et all JMB (2000)
Maclsaac et al 2007
Maclsaac et al 2007
Maclsaac et al 2007
Maclsaac et al 2007
Morozov and Siggia PNAS (2007)
Morozov and Siggia PNAS (2007)
Morozov and Siggia PNAS (2007)
Sudarsanam et al Genome Res (2002)
Beer et al Cell(2004)
Sudarsanam et al Genome Res (2002)
Beer et al Cell(2004)
Morozov and Siggia PNAS (2007)

Fkh1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.994128	FKH2
0.991502	FKH1
0.978702	FKH1_short2.ace 1

References

Maclsaac et al 2007
Maclsaac et al 2007
Sudarsanam et al Genome Res (2002)

0.978702 FKH1.ace 1	Sudarsanam et al Genome Res (2002)
0.978123 FKH1_short2_orfnumA2SD_n1	Sudarsanam et al Genome Res (2002)
0.978123 FKH1_orfnumA2SD_n1	Sudarsanam et al Genome Res (2002)
0.978123 FKH1	Beer et al Cell(2004)
0.93102 mitochondrial_biogenesis 9	Hughes et all JMB (2000)
0.802538 COX 1	Hughes et all JMB (2000)
0.790242 regulation_of_nucleotide_metabolism 3	Hughes et all JMB (2000)
0.773044 PET 10	Hughes et all JMB (2000)
0.761648 OST 6	Hughes et all JMB (2000)
0.75389 proteolysis 10	Hughes et all JMB (2000)
0.752484 budding_cell_polarity_and_filament_formation 7	Hughes et all JMB (2000)
0.749198 CDC 10	Hughes et all JMB (2000)
0.743342 ARP 2	Hughes et all JMB (2000)
0.740861 cytoskeletondependent_transport 3	Hughes et all JMB (2000)
0.740613 FKH1_YPD_2c6y	Morozov and Siggia PNAS (2007)
0.737899 KRE 6	Hughes et all JMB (2000)
0.735966 lipid_fattyacid_and_sterol_biosynthesis 7	Hughes et all JMB (2000)
0.732904 MRP 4	Hughes et all JMB (2000)
0.732046 M14b_s	Tavazoie et al Nat. Genetics (1999)
0.728906 COX 9	Hughes et all JMB (2000)
0.728449 protein_targeting_sorting_and_translocation 7	Hughes et all JMB (2000)
0.722612 APL 1	Hughes et all JMB (2000)
0.722453 organization_of_chromosome_structure 1	Hughes et all JMB (2000)
0.720133 FKH2_YPD_2c6y	Morozov and Siggia PNAS (2007)
0.717809 organization_of_plasma_membrane 5	Hughes et all JMB (2000)
0.714404 metabolism_of_cyclic_and_unusual_nucleotides 9	Hughes et all JMB (2000)
0.706616 cytokinesis 8	Hughes et all JMB (2000)
0.705898 purine_and_pyrimidine_transporters 2	Hughes et all JMB (2000)
0.705309 ERG 2	Hughes et all JMB (2000)
0.703802 organization_of_plasma_membrane 6	Hughes et all JMB (2000)
0.70059 FLO 2	Hughes et all JMB (2000)

Fkh2 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.99132	FKH2
0.989079	FKH1
0.971896	FKH1_short2_orfnumA2SD_n1
0.971896	FKH1_orfnumA2SD_n1
0.971896	FKH1
0.971091	FKH1_short2.ace 1
0.971091	FKH1.ace 1
0.943283	mitochondrial_biogenesis 9
0.82015	COX 1
0.79327	OST 6
0.793167	CDC 10
0.772943	regulation_of_nucleotide_metabolism 3
0.767883	COX 9
0.765618	proteolysis 10
0.765215	FKH1_YPD_2c6y
0.763428	PET 10
0.76022	organization_of_plasma_membrane 5
0.745357	APL 1
0.744986	MRP 4
0.740126	organization_of_chromosome_structure 1
0.73394	KRE 6
0.732628	ARP 2
0.732408	proteasome 7
0.730298	FKH2_YPD_2c6y
0.729979	serine_rich 4
0.728853	lipid_fattyacid_and_sterol_biosynthesis 7
0.726489	purine_and_pyrimidine_transporters 2
0.721004	cytokinesis 8
0.720695	cytoskeletondependent_transport 3
0.720253	trna_modification 7

References

Maclsaac et al 2007
Maclsaac et al 2007
Sudarsanam et al Genome Res (2002)
Sudarsanam et al Genome Res (2002)
Beer et al Cell(2004)
Sudarsanam et al Genome Res (2002)
Sudarsanam et al Genome Res (2002)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Morozov and Siggia PNAS (2007)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Morozov and Siggia PNAS (2007)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Hughes et all JMB (2000)
Hughes et all JMB (2000)

0.717211 budding_cell_polarity_and_filament_formation	7	Hughes et al JMB (2000)
0.712915 FLO	2	Hughes et al JMB (2000)
0.712596 ATP	1	Hughes et al JMB (2000)
0.712596 ARP	10	Hughes et al JMB (2000)
0.711455 protein_targeting_sorting_and_translocation	7	Hughes et al JMB (2000)
0.709621 abc	7	Hughes et al JMB (2000)
0.707904 serine_rich	1	Hughes et al JMB (2000)
0.706618 metabolism_of_cyclic_and_unusual_nucleotides	9	Hughes et al JMB (2000)
0.704428 RPS	4	Hughes et al JMB (2000)
0.703048 protein_modification_glycosylation_acylation_myristyl		Hughes et al JMB (2000)

Gal4 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.965934	GAL80	Maclsaac et al 2007
0.816103	GAL4_RAFF_1d66	Morozov and Siggia PNAS (2007)
0.809573	GAL 1	Hughes et al JMB (2000)
0.80358	GAL4	Maclsaac et al 2007
0.770888	GAL4	Beer et al Cell(2004)
0.731053	GAL.ace 1	Sudarsanam et al Genome Res (2002)
0.730859	GAL_orfnumA2SD_n1	Sudarsanam et al Genome Res (2002)
0.703362	GAL 4	Hughes et al JMB (2000)

Gat1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.993993	GAT1	Maclsaac et al 2007
0.993993	GZF3	Maclsaac et al 2007
0.950193	GLN3	Maclsaac et al 2007
0.943295	DAL 1	Hughes et al JMB (2000)
0.934311	nitrogen_and_sulphur_transport	2 Hughes et al JMB (2000)
0.861769	DAL80	Maclsaac et al 2007
0.81686	ERG 5	Hughes et al JMB (2000)

0.808265 lysosomal_and_vacuolar_degradation	2	Hughes et al JMB (2000)
0.792532 GAT1_RAPA_4gat		Morozov and Siggia PNAS (2007)
0.789734 pentosephosphate_pathway	9	Hughes et al JMB (2000)
0.788037 nitrogen_and_sulphur_utilization	4	Hughes et al JMB (2000)
0.784128 M631		Beer et al Cell(2004)
0.76316 rrna_processing.ace	3	Sudarsanam et al Genome Res (2002)
0.76316 transcriptional_control	5	Hughes et al JMB (2000)
0.76316 rrna_processing	1	Hughes et al JMB (2000)
0.76316 PAC		Beer et al Cell(2004)
0.76316 rrna_processing_orfnumA2SD_n3		Sudarsanam et al Genome Res (2002)
0.755646 M601		Beer et al Cell(2004)
0.752954 RPC	1	Hughes et al JMB (2000)
0.748171 M600		Beer et al Cell(2004)
0.743515 trna_synthesis	2	Hughes et al JMB (2000)
0.715758 gtpases	7	Hughes et al JMB (2000)
0.715729 QCR	6	Hughes et al JMB (2000)
0.707682 nucleotide_transport	10	Hughes et al JMB (2000)
0.706315 nuclear_organization	2	Hughes et al JMB (2000)
0.703899 other_transcription_activities	5	Hughes et al JMB (2000)

Gat3 PBM motif matches:

No PBM motif matches found.

Gat4 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.705434	MSH 8

References
Hughes et al JMB (2000)

Gcn4 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.995837	GCN4
0.975034	aminoacid_biosynthesis 6

References
Beer et al Cell(2004)
Hughes et al JMB (2000)

0.968708 amino-acid_biosynthesis_orfnum2SD_n4
 0.968076 amino-acid_biosynthesis.ace 4
 0.962809 GCN4
 0.946818 GCN4_SM_1ysa
 0.941072 ARG 3
 0.909907 RTG3_RAPA_1ysa
 0.896688 ARG81_SM_1ysa
 0.896261 ARG80_YPD_1ysa
 0.88468 ARG81
 0.884477 aminoacid_metabolism 5
 0.864988 RTG1_RAPA_1ysa
 0.832212 RTG3
 0.812091 BAS1
 0.800536 BAS1
 0.790126 ADE 2
 0.749657 HIS 3
 0.748609 HIS 6
 0.731814 Bas1.ace 1
 0.726381 Bas1_orfnum2SD_n1
 0.724698 ARG80

Sudarsanam et al Genome Res (2002)
 Sudarsanam et al Genome Res (2002)
 Maclsaac et al 2007
 Morozov and Siggia PNAS (2007)
 Hughes et all JMB (2000)
 Morozov and Siggia PNAS (2007)
 Morozov and Siggia PNAS (2007)
 Morozov and Siggia PNAS (2007)
 Maclsaac et al 2007
 Hughes et all JMB (2000)
 Morozov and Siggia PNAS (2007)
 Maclsaac et al 2007
 Maclsaac et al 2007
 Beer et al Cell(2004)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Sudarsanam et al Genome Res (2002)
 Sudarsanam et al Genome Res (2002)
 Maclsaac et al 2007

Gln3 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.899715	GAT1
0.899715	GZF3
0.874718	GLN3
0.849522	DAL 1
0.826067	DAL80
0.786582	QCR 6
0.757476	peroxisomal_transport 7
0.752815	nitrogen_and_sulphur_transport 2
0.752383	other_cation_transporters_na_k_ca_nh_etc 8

References

Maclsaac et al 2007
 Maclsaac et al 2007
 Maclsaac et al 2007
 Hughes et all JMB (2000)
 Maclsaac et al 2007
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)

0.721029 pentosephosphate_pathway 9
 0.714384 nitrogen_and_sulphur_utilization 4
 0.708794 key_kinases 6
 0.706378 vacuolar_and_lyosomal_organization 6
 0.704554 M302

Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Beer et al Cell(2004)

Gsm1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.775457	STB5
0.728654	peroxisomal_organization_orfnum2SD_n3
0.722853	peroxisomal_organization.ace 3
0.722666	peroxisomal_organization 1
0.717238	YDR520C
0.71218	M386

References

Maclsaac et al 2007
 Sudarsanam et al Genome Res (2002)
 Sudarsanam et al Genome Res (2002)
 Hughes et al JMB (2000)
 Maclsaac et al 2007
 Beer et al Cell(2004)

Gzf3 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.996816	GAT1
0.996816	GZF3
0.955226	GLN3
0.952684	DAL 1
0.816542	nitrogen_and_sulphur_transport 2
0.801895	pentosephosphate_pathway 9
0.785143	ERG 5
0.778509	lysosomal_and_vacuolar_degradation 2
0.776862	rrna_processing.ace 3
0.776862	transcriptional_control 5
0.776862	rrna_processing 1
0.776862	PAC
0.776862	rrna_processing_orfnumA2SD_n3
0.763489	M600

References

Maclsaac et al 2007
 Maclsaac et al 2007
 Maclsaac et al 2007
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Sudarsanam et al Genome Res (2002)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Beer et al Cell(2004)
 Sudarsanam et al Genome Res (2002)
 Beer et al Cell(2004)

0.763212 nitrogen_and_sulphur_utilization 4
 0.758501 regulation_of_phosphate_utilization 3
 0.744993 MRP 6
 0.742459 GAT1_RAPA_4gat
 0.706187 QCR 6
 0.705564 M302

Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Morozov and Siggia PNAS (2007)
 Hughes et al JMB (2000)
 Beer et al Cell(2004)

Hal9 PBM motif matches:
 No PBM motif matches found.

Leu3 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.74799	YDR520C
0.726093	mitochondrial_organization 8
0.725244	aminoacid_biosynthesis_orfnumA2SD_n8
0.720103	LEU3
0.719329	aminoacid_biosynthesis.ace 8
0.713599	aminoacid_biosynthesis 10
0.702715	M386

References
 Maclsaac et al 2007
 Hughes et al JMB (2000)
 Sudarsanam et al Genome Res (2002)
 Beer et al Cell(2004)
 Sudarsanam et al Genome Res (2002)
 Hughes et al JMB (2000)
 Beer et al Cell(2004)

Lys14 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.753381	ECM 10
0.750588	organization_of_golgi 7
0.726398	LYS 5
0.714954	pyrimidineribonucleotide_metabolism 7
0.702612	nitrogen_and_sulphur_transport 10

References
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)

Matalpha2 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.92814	VMA 4

References
 Hughes et al JMB (2000)

0.814842 extracellular_transport 6	Hughes et al JMB (2000)
0.809732 MATA1	Maclsaac et al 2007
0.786453 NUP 10	Hughes et al JMB (2000)
0.782325 sporulation_and_germination 7	Hughes et al JMB (2000)
0.781317 utilization_of_vitamins_cofactors_and_prosthetic_grou	Hughes et al JMB (2000)
0.775305 other_proteinsynthesis_activities 7	Hughes et al JMB (2000)
0.774099 assembly_of_protein_complexes 10	Hughes et al JMB (2000)
0.768124 other_proteinsynthesis_activities 10	Hughes et al JMB (2000)
0.765221 budding_cell_polarity_and_filament_formation 7	Hughes et al JMB (2000)
0.757664 PET 8	Hughes et al JMB (2000)
0.755012 FKH1.ace 1	Sudarsanam et al Genome Res (2002)
0.74905 FKH1_orfnumA2SD_n1	Sudarsanam et al Genome Res (2002)
0.74905 FKH1	Beer et al Cell(2004)
0.746991 other_proteinsynthesis_activities 9	Hughes et al JMB (2000)
0.744731 FKH1_short2.ace 1	Sudarsanam et al Genome Res (2002)
0.744334 FKH1_short2_orfnumA2SD_n1	Sudarsanam et al Genome Res (2002)
0.73793 M427	Beer et al Cell(2004)
0.728244 FKH2	Maclsaac et al 2007
0.726036 pheromone_response_generation.ace 7	Sudarsanam et al Genome Res (2002)
0.725602 FKH2_YPD_2c6y	Morozov and Siggia PNAS (2007)
0.721115 SRP 1	Hughes et al JMB (2000)
0.719125 vacuolar_and_lyosomal_biogenesis 10	Hughes et al JMB (2000)
0.716618 serine_rich 8	Hughes et al JMB (2000)
0.712625 pheromone_response_generation_orfnum2SD_n7	Sudarsanam et al Genome Res (2002)
0.710776 FKH1	Maclsaac et al 2007
0.709817 MSS 9	Hughes et al JMB (2000)
0.709753 organization_of_plasma_membrane 6	Hughes et al JMB (2000)
0.709243 FKH1_YPD_2c6y	Morozov and Siggia PNAS (2007)
0.708815 cellular_import 4	Hughes et al JMB (2000)
0.707029 vesicular_transport_golgi_network_etc 10	Hughes et al JMB (2000)
0.707029 vesicular_transport_golgi_network_etc 9	Hughes et al JMB (2000)
0.707029 vesicular_transport_golgi_network_etc 8	Hughes et al JMB (2000)

0.705038 BUD 10

Hughes et al JMB (2000)

Mbp1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.996321	dna_synthesis_and_replication_orfnum2SD_n2
0.996321	POL 3
0.996321	dna_synthesis_and_replication.ace 2
0.996321	dna_synthesis_and_replication 2
0.961119	MBP1
0.954208	deoxyribonucleotide_metabolism 2
0.914207	MBP1
0.91317	M350
0.908891	SWI6
0.894073	nuclear_organization 8
0.875522	MCB_s
0.86242	MCB
0.820051	deoxyribonucleotide_metabolism 4
0.814246	recombination_and_dna_repair 9
0.799519	RAD 3
0.764497	transcriptional_control 9
0.762595	HMS1_YPD_1an2
0.733464	M353
0.732692	ARG80
0.726784	M14a
0.726439	MET28_YPD_1an2
0.720201	M357
0.714566	RTG3
0.713133	POL 1
0.702406	Bas1.ace 1
0.701665	Bas1_orfnum2SD_n1
0.70103	ARG80_YPD_1ysa

References

Sudarsanam et al Genome Res (2002)
Hughes et al JMB (2000)
Sudarsanam et al Genome Res (2002)
Hughes et al JMB (2000)
Maclsaac et al 2007
Hughes et al JMB (2000)
Beer et al Cell(2004)
Beer et al Cell(2004)
Maclsaac et al 2007
Hughes et al JMB (2000)
Tavazoie et al Nat. Genetics (1999)
Tavazoie et al Nat. Genetics (1999)
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Morozov and Siggia PNAS (2007)
Beer et al Cell(2004)
Maclsaac et al 2007
Tavazoie et al Nat. Genetics (1999)
Morozov and Siggia PNAS (2007)
Beer et al Cell(2004)
Maclsaac et al 2007
Hughes et al JMB (2000)
Sudarsanam et al Genome Res (2002)
Sudarsanam et al Genome Res (2002)
Morozov and Siggia PNAS (2007)

Mcm1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.93577	MCM1_short_orfnumA2SD_n1	Sudarsanam et al Genome Res (2002)
0.912913	MCM1_short.ace 1	Sudarsanam et al Genome Res (2002)
0.894582	MCM1	Maclsaac et al 2007
0.892136	MCM1	Beer et al Cell(2004)
0.882143	MCM1_Alpha_1mm_MCM1	Morozov and Siggia PNAS (2007)
0.879758	ECB	Tavazoie et al Nat. Genetics (1999)
0.874019	extracellularsecretion_proteins_orfnumA2SD_n1	Sudarsanam et al Genome Res (2002)
0.873345	extracellularsecretion_proteins.ace 1	Sudarsanam et al Genome Res (2002)
0.864428	extracellularsecretion_proteins 2	Hughes et all JMB (2000)
0.815664	ECB_s	Tavazoie et al Nat. Genetics (1999)
0.810254	organization_of_cell_wall 3	Hughes et all JMB (2000)
0.803014	CLB2_M_Cluster.ace 3	Sudarsanam et al Genome Res (2002)
0.797753	CLB2_M_Cluster_orfnumA2SD_n3	Sudarsanam et al Genome Res (2002)
0.763316	utilization_of_vitamins_cofactors_and_prosthetic_grou	Hughes et all JMB (2000)
0.750385	M556	Beer et al Cell(2004)
0.742015	ASH1	Maclsaac et al 2007

Met32 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.967671	MET32	Maclsaac et al 2007
0.941571	MET31	Beer et al Cell(2004)
0.932641	aminoacid_metabolism 4	Hughes et all JMB (2000)
0.925976	aminoacid_biosynthesis 3	Hughes et all JMB (2000)
0.918569	MET 4	Hughes et all JMB (2000)
0.910527	MET31	Maclsaac et al 2007
0.907141	aminoacid_biosynthesis_orfnumA2SD_n7	Sudarsanam et al Genome Res (2002)
0.901194	Met31_32_s	Tavazoie et al Nat. Genetics (1999)
0.900917	aminoacid_biosynthesis.ace 7	Sudarsanam et al Genome Res (2002)
0.86392	MET28	Maclsaac et al 2007

0.858087	aminoacid_transporters	3	Hughes et al JMB (2000)
0.857167	MET4		Beer et al Cell(2004)
0.855356	MET4		Maclsaac et al 2007
0.835551	Met31_32		Tavazoie et al Nat. Genetics (1999)
0.76073	MET	10	Hughes et al JMB (2000)
0.724174	GAT3_YPD_6gat		Morozov and Siggia PNAS (2007)
0.702525	NDT80_SGD_1mn		Morozov and Siggia PNAS (2007)

Mga1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References	
0.758039	retrotransposons_and_plasmid_proteins	5	Hughes et al JMB (2000)
0.742071	STE	5	Hughes et al JMB (2000)
0.718684	organization_of_endoplasmatic_reticulum	4	Hughes et al JMB (2000)
0.714121	vacuolar_and_lyosomal_biogenesis	3	Hughes et al JMB (2000)
0.707114	atpase	3	Hughes et al JMB (2000)

Mig1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References	
0.920607	SUT1	Maclsaac et al 2007	
0.877875	HXT	2	Hughes et al JMB (2000)
0.85761	c-compound_carbohydrate_transport.ace	2	Sudarsanam et al Genome Res (2002)
0.854489	c-compound_carbohydrate_transport_orfnum2SD_n2		Sudarsanam et al Genome Res (2002)
0.85098	MIG1		Maclsaac et al 2007
0.829445	carbohydrate_transport	1	Hughes et al JMB (2000)
0.81357	YAP	3	Hughes et al JMB (2000)
0.79692	lysosomal_and_vacuolar_degradation	6	Hughes et al JMB (2000)
0.754627	metabolism_of_energy_reserves_glycogen_trehalose		Hughes et al JMB (2000)
0.744454	sugar_and_carbohydrate_transporters	2	Hughes et al JMB (2000)
0.744177	ROX1		Maclsaac et al 2007
0.731677	M254		Beer et al Cell(2004)
0.730613	RIB	3	Hughes et al JMB (2000)

0.725475	pentosephosphate_pathway	3	Hughes et al JMB (2000)
0.721137	MIG1		Beer et al Cell(2004)
0.720876	M273		Beer et al Cell(2004)
0.705999	ACE2		Maclsaac et al 2007
0.704921	regulation_of_nitrogen_and_sulphur_utilization	8	Hughes et al JMB (2000)

Mig2 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.905569	HXT 2	Hughes et al JMB (2000)
0.8872	c-compound_carbohydrate_transport_orfnum2SD_n2	Sudarsanam et al Genome Res (2002)
0.887114	c-compound_carbohydrate_transport.ace 2	Sudarsanam et al Genome Res (2002)
0.860409	carbohydrate_transport 1	Hughes et al JMB (2000)
0.854889	MIG1	Maclsaac et al 2007
0.823494	SUT1	Maclsaac et al 2007
0.785053	sugar_and_carbohydrate_transporters 2	Hughes et al JMB (2000)
0.768562	YAP 3	Hughes et al JMB (2000)
0.748753	M662	Beer et al Cell(2004)
0.722777	M613	Beer et al Cell(2004)
0.719778	MIG1	Beer et al Cell(2004)
0.718164	M273	Beer et al Cell(2004)
0.709878	ROX1	Maclsaac et al 2007
0.704002	organization_of_intracellular_transport_vesicles 4	Hughes et al JMB (2000)
0.700085	RIB 3	Hughes et al JMB (2000)

Mig3 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.891955	HXT 2	Hughes et al JMB (2000)
0.878615	c-compound_carbohydrate_transport.ace 2	Sudarsanam et al Genome Res (2002)
0.878359	c-compound_carbohydrate_transport_orfnum2SD_n2	Sudarsanam et al Genome Res (2002)
0.863847	MIG1	Maclsaac et al 2007
0.846252	carbohydrate_transport 1	Hughes et al JMB (2000)

0.825306 SUT1
 0.774442 YAP 3
 0.771149 sugar_and_carbohydrate_transporters 2
 0.757318 ROX1
 0.743619 M662
 0.738811 M613
 0.727593 RIB 3
 0.71701 M273
 0.712029 ACE2
 0.705389 MIG1

Maclsaac et al 2007
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Maclsaac et al 2007
 Beer et al Cell(2004)
 Beer et al Cell(2004)
 Hughes et all JMB (2000)
 Beer et al Cell(2004)
 Maclsaac et al 2007
 Beer et al Cell(2004)

Ndt80 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.939717	ndt80.ace 1
0.939021	ndt80
0.939021	ndt80_orfnumA2SD_n1
0.902785	NDT80_SGD_1mn
0.891745	meiosis 8
0.874526	SPS 2
0.860788	APC 4
0.786042	glucose_metabolism 9
0.779339	MATA1
0.769831	RIM 5
0.76956	glycolysis 5
0.765823	regulation_of_lipid_fattyacid_and_sterol_biosynthesis
0.761106	HXT 8
0.752888	SUM1
0.743731	aminoacid_transport 9
0.732618	SWI4
0.732399	M359
0.727287	breakdown_of_lipids_and_phospholipids 7
0.72725	organization_of_plasma_membrane 6

References

Sudarsanam et al Genome Res (2002)
 Beer et al Cell(2004)
 Sudarsanam et al Genome Res (2002)
 Morozov and Siggia PNAS (2007)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Maclsaac et al 2007
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Beer et al Cell(2004)
 Hughes et all JMB (2000)
 Beer et al Cell(2004)
 Beer et al Cell(2004)
 Beer et al Cell(2004)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)

0.72057 RPC 5	Hughes et al JMB (2000)
0.720562 M404	Beer et al Cell(2004)
0.716114 budding_cell_polarity_and_filament_formation 7	Hughes et al JMB (2000)
0.713284 M569	Beer et al Cell(2004)
0.707074 respiration 6	Hughes et al JMB (2000)
0.706575 KIN 1	Hughes et al JMB (2000)
0.706575 KAR 10	Hughes et al JMB (2000)
0.705784 MET31	MacIsaac et al 2007
0.704668 ROX1_YPD_1j47	Morozov and Siggia PNAS (2007)
0.704338 aminoacid_transporters 6	Hughes et al JMB (2000)
0.70131 organization_of_golgi 4	Hughes et al JMB (2000)

Nhp6A PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.986371	breakdown_of_lipids_and_phospholipids 4	Hughes et al JMB (2000)
0.962201	glyoxylate_cycle 8	Hughes et al JMB (2000)
0.956927	metabolism_of_vitamins_cofactors_and_prosthetic_gr	Hughes et al JMB (2000)
0.946806	SKN7_H2O2Lo_3hts	Morozov and Siggia PNAS (2007)
0.941204	nitrogen_and_sulphur_transport 6	Hughes et al JMB (2000)
0.928022	peroxisomal_transport 4	Hughes et al JMB (2000)
0.891719	VPS 6	Hughes et al JMB (2000)
0.880278	aminoacid_degradation 9	Hughes et al JMB (2000)
0.877958	anion_transporters_cl_so_po_etc 6	Hughes et al JMB (2000)
0.875077	TBP	TRANSFAC
0.87213	lipid_fattyacid_and_sterol_biosynthesis 5	Hughes et al JMB (2000)
0.865288	protein_phosphatases 10	Hughes et al JMB (2000)
0.857942	TATA	Beer et al Cell(2004)
0.856478	LYS 3	Hughes et al JMB (2000)
0.853848	phosphate_transport 8	Hughes et al JMB (2000)
0.852827	YPT 8	Hughes et al JMB (2000)
0.846235	abc 3	Hughes et al JMB (2000)
0.843568	organization_of_chromosome_structure 4	Hughes et al JMB (2000)

0.840419 cytoplasmic_degradation	6	Hughes et all JMB (2000)
0.832734 biogenesis_of_cell_wall	3	Hughes et all JMB (2000)
0.829632 nitrogen_and_sulphur_utilization	2	Hughes et all JMB (2000)
0.826725 RAD	7	Hughes et all JMB (2000)
0.82331 lysosomal_and_vacuolar_degradation	8	Hughes et all JMB (2000)
0.821434 other_energy_generation_activities	3	Hughes et all JMB (2000)
0.821116 THI	1	Hughes et all JMB (2000)
0.818776 proteasome	4	Hughes et all JMB (2000)
0.818112 aminoacid_biosynthesis	7	Hughes et all JMB (2000)
0.817644 mrna_processing_end_end_processing_and_mrna_deg		Hughes et all JMB (2000)
0.814726 respiration	3	Hughes et all JMB (2000)
0.808856 aminoacid_transporters	7	Hughes et all JMB (2000)
0.808823 aminoacid_transport	6	Hughes et all JMB (2000)
0.807765 pentosephosphate_pathway	1	Hughes et all JMB (2000)
0.806247 PDR	4	Hughes et all JMB (2000)
0.805209 trna_synthetases	2	Hughes et all JMB (2000)
0.805119 translation_initiation_elongation_and_termination	3	Hughes et all JMB (2000)
0.8022 ERG	10	Hughes et all JMB (2000)
0.799432 assembly_of_protein_complexes	3	Hughes et all JMB (2000)
0.799431 metal_ion_transporters_cu_fe_etc	7	Hughes et all JMB (2000)
0.799178 aminoacid_biosynthesis	2	Hughes et all JMB (2000)
0.798645 abc_transporters	2	Hughes et all JMB (2000)
0.797735 proteolysis	6	Hughes et all JMB (2000)
0.795723 vacuolar_and_lyosomal_organization	3	Hughes et all JMB (2000)
0.794066 sporulation_and_germination	2	Hughes et all JMB (2000)
0.792507 atpase	6	Hughes et all JMB (2000)
0.79182 GCN	6	Hughes et all JMB (2000)
0.791561 budding_cell_polarity_and_filament_formation	2	Hughes et all JMB (2000)
0.790609 homeostasis_of_metal_ions	6	Hughes et all JMB (2000)
0.790432 organization_of_cytoplasm	6	Hughes et all JMB (2000)
0.790112 other_intracellulartransport_activities	6	Hughes et all JMB (2000)
0.788918 recombination_and_dna_repair	6	Hughes et all JMB (2000)

0.787581 abc_transporters 10	Hughes et al JMB (2000)
0.787086 RPC 6	Hughes et al JMB (2000)
0.786144 MNN 7	Hughes et al JMB (2000)
0.785731 nuclear_organization.ace 4	Sudarsanam et al Genome Res (2002)
0.785727 AT_repeat	Beer et al Cell(2004)
0.785727 nuclear_organization_orfnumA2SD_n4	Sudarsanam et al Genome Res (2002)
0.784986 regulation_of_carbohydrate_utilization 10	Hughes et al JMB (2000)
0.784596 dna_synthesis_and_replication 4	Hughes et al JMB (2000)
0.784293 MSS 6	Hughes et al JMB (2000)
0.78355 stress_response 2	Hughes et al JMB (2000)
0.783402 other_transcription_activities 7	Hughes et al JMB (2000)
0.783268 organization_of_plasma_membrane 3	Hughes et al JMB (2000)
0.783182 GCD 6	Hughes et al JMB (2000)
0.783175 KIN 5	Hughes et al JMB (2000)
0.783017 protein_modification_glycosylation_acylation_myristylation	Hughes et al JMB (2000)
0.782912 MET 2	Hughes et al JMB (2000)
0.781651 YAP6_YPD_1gd2	Morozov and Siggia PNAS (2007)
0.77895 MGA1_YPD_3hts	Morozov and Siggia PNAS (2007)
0.777884 lipid_and_fattyacid_transport 7	Hughes et al JMB (2000)
0.776746 aminoacid_metabolism 2	Hughes et al JMB (2000)
0.771473 mrna_processing_end_end_processing_and_mrna_deg	Hughes et al JMB (2000)
0.769797 nuclear_organization 4	Hughes et al JMB (2000)
0.769585 transcription_factors 2	Hughes et al JMB (2000)
0.769226 tricarboxylicacid_pathway 4	Hughes et al JMB (2000)
0.768622 carbohydrate_utilization 4	Hughes et al JMB (2000)
0.767024 homeostasis_of_other_ions 2	Hughes et al JMB (2000)
0.766985 carbohydrate_utilization 2	Hughes et al JMB (2000)
0.766709 extracellular_transport 5	Hughes et al JMB (2000)
0.765063 protein_kinase 2	Hughes et al JMB (2000)
0.764393 protein_folding_and_stabilization 5	Hughes et al JMB (2000)
0.763118 trnasynthetases 3	Hughes et al JMB (2000)
0.762986 transport_atpases 8	Hughes et al JMB (2000)

0.759917 RLM1	Maclsaac et al 2007
0.758202 peroxisomal_transport 10	Hughes et all JMB (2000)
0.75639 trna_modification 5	Hughes et all JMB (2000)
0.754377 glucose_metabolism 2	Hughes et all JMB (2000)
0.751949 translation_initiation_elongation_and_termination 4	Hughes et all JMB (2000)
0.75166 glyoxylate_cycle 9	Hughes et all JMB (2000)
0.751426 organization_of_endoplasmatic_reticulum 2	Hughes et all JMB (2000)
0.748938 transport_atpases 9	Hughes et all JMB (2000)
0.74841 pheromone_response_matingtype_determination_sex:	Hughes et all JMB (2000)
0.747365 ARO 3	Hughes et all JMB (2000)
0.742435 regulation_of_aminoacid_metabolism 3	Hughes et all JMB (2000)
0.742024 ribosomal_proteins 5	Hughes et all JMB (2000)
0.738954 regulation_of_lipid_fattyacid_and_sterol_biosynthesis	Hughes et all JMB (2000)
0.738558 gluconeogenesis 10	Hughes et all JMB (2000)
0.738215 proteases 7	Hughes et all JMB (2000)
0.737125 PEP 8	Hughes et all JMB (2000)
0.73589 meiosis 6	Hughes et all JMB (2000)
0.732325 mitochondrial_organization 2	Hughes et all JMB (2000)
0.732223 protein_targeting_sorting_and_translocation 4	Hughes et all JMB (2000)
0.731861 RRN 10	Hughes et all JMB (2000)
0.731861 RRN 9	Hughes et all JMB (2000)
0.731861 RRN 8	Hughes et all JMB (2000)
0.731296 cellular_import 2	Hughes et all JMB (2000)
0.730758 CDC 7	Hughes et all JMB (2000)
0.730712 M14b	Tavazoie et al Nat. Genetics (1999)
0.72953 transcriptional_control 4	Hughes et all JMB (2000)
0.728578 RLM1_YPD_1egw	Morozov and Siggia PNAS (2007)
0.728525 M645	Beer et al Cell(2004)
0.728062 lipid_fattyacid_and_sterol_metabolism 3	Hughes et all JMB (2000)
0.727045 gtpases 9	Hughes et all JMB (2000)
0.726888 cell_growth 2	Hughes et all JMB (2000)
0.723175 aminoacid_metabolism 9	Hughes et all JMB (2000)

0.722935	nuclear_transport	5	Hughes et al JMB (2000)
0.721952	other_vitamin_cofactor_and_prosthetic_group_activiti		Hughes et al JMB (2000)
0.717256	HEM	9	Hughes et al JMB (2000)
0.717233	PEX	6	Hughes et al JMB (2000)
0.716962	SMP1_YPD_1egw		Morozov and Siggia PNAS (2007)
0.712494	CIN5		Maclsaac et al 2007
0.710471	cell_cycle_control_and_mitosis	2	Hughes et al JMB (2000)
0.710316	SRB	3	Hughes et al JMB (2000)
0.706764	protein_folding_and_stabilization	9	Hughes et al JMB (2000)
0.706169	ADE	7	Hughes et al JMB (2000)
0.703531	vacuolar_transport	3	Hughes et al JMB (2000)
0.702771	purineribonucleotide_metabolism	10	Hughes et al JMB (2000)
0.702771	purineribonucleotide_metabolism	9	Hughes et al JMB (2000)
0.702684	other_signaltransduction_activities	4	Hughes et al JMB (2000)
0.702176	APL	8	Hughes et al JMB (2000)

Nhp6B PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.919972	abc 3	Hughes et al JMB (2000)
0.879583	aminoacid_transporters 7	Hughes et al JMB (2000)
0.873971	translation_initiation_elongation_and_termination 3	Hughes et al JMB (2000)
0.871104	THI 1	Hughes et al JMB (2000)
0.867903	trna_synthetases 2	Hughes et al JMB (2000)
0.8585	organization_of_plasma_membrane 3	Hughes et al JMB (2000)
0.857175	breakdown_of_lipids_and_phospholipids 4	Hughes et al JMB (2000)
0.854639	aminoacid_biosynthesis 2	Hughes et al JMB (2000)
0.852464	sporulation_and_germination 2	Hughes et al JMB (2000)
0.848997	abc_transporters 2	Hughes et al JMB (2000)
0.840942	peroxisomal_transport 4	Hughes et al JMB (2000)
0.83955	PDR 4	Hughes et al JMB (2000)
0.838346	KIN 5	Hughes et al JMB (2000)
0.834394	metabolism_of_vitamins_cofactors_and_prosthetic_gr	Hughes et al JMB (2000)

0.834313 metal_ion_transporters_cu_fe_etc 7	Hughes et all JMB (2000)
0.833074 lipid_fattyacid_and_sterol_biosynthesis 5	Hughes et all JMB (2000)
0.827779 aminoacid_transport 6	Hughes et all JMB (2000)
0.82777 protein_phosphatases 10	Hughes et all JMB (2000)
0.827091 homeostasis_of_metal_ions 6	Hughes et all JMB (2000)
0.824434 stress_response 2	Hughes et all JMB (2000)
0.820881 aminoacid_metabolism 2	Hughes et all JMB (2000)
0.820638 MET 2	Hughes et all JMB (2000)
0.818525 LYS 3	Hughes et all JMB (2000)
0.818151 organization_of_chromosome_structure 4	Hughes et all JMB (2000)
0.816964 abc_transporters 10	Hughes et all JMB (2000)
0.816542 nitrogen_and_sulphur_utilization 2	Hughes et all JMB (2000)
0.815862 other_energy_generation_activities 3	Hughes et all JMB (2000)
0.815673 respiration 3	Hughes et all JMB (2000)
0.814279 GCD 6	Hughes et all JMB (2000)
0.812194 budding_cell_polarity_and_filament_formation 2	Hughes et all JMB (2000)
0.811946 carbohydrate_utilization 4	Hughes et all JMB (2000)
0.810796 biogenesis_of_cell_wall 3	Hughes et all JMB (2000)
0.810472 dna_synthesis_and_replication 4	Hughes et all JMB (2000)
0.809532 glyoxylate_cycle 8	Hughes et all JMB (2000)
0.80713 homeostasis_of_other_ions 2	Hughes et all JMB (2000)
0.806004 trnasynthetases 3	Hughes et all JMB (2000)
0.805051 TBP	TRANSFAC
0.803004 gluconeogenesis 10	Hughes et all JMB (2000)
0.802593 ribosomal_proteins 5	Hughes et all JMB (2000)
0.800534 organization_of_cytoplasm 6	Hughes et all JMB (2000)
0.800319 aminoacid_biosynthesis 7	Hughes et all JMB (2000)
0.799352 cell_cycle_control_and_mitosis 2	Hughes et all JMB (2000)
0.796818 other_intracellulartransport_activities 6	Hughes et all JMB (2000)
0.795333 AT_repeat	Beer et al Cell(2004)
0.795333 nuclear_organization_orfnumA2SD_n4	Sudarsanam et al Genome Res (2002)
0.794969 mitochondrial_organization 2	Hughes et all JMB (2000)

0.794897 nuclear_organization.ace 4	Sudarsanam et al Genome Res (2002)
0.792259 cytoplasmic_degradation 6	Hughes et all JMB (2000)
0.792189 nitrogen_and_sulphur_transport 6	Hughes et all JMB (2000)
0.791196 SKN7_H2O2Lo_3hts	Morozov and Siggia PNAS (2007)
0.789583 vacuolar_and_lyosomal_organization 3	Hughes et all JMB (2000)
0.789336 mrna_processing_end_end_processing_and_mrna_deg	Hughes et all JMB (2000)
0.788375 transport_atpases 8	Hughes et all JMB (2000)
0.787267 organization_of_endoplasmatic_reticulum 2	Hughes et all JMB (2000)
0.785255 pentosephosphate_pathway 1	Hughes et all JMB (2000)
0.784698 glucose_metabolism 2	Hughes et all JMB (2000)
0.784027 translation_initiation_elongation_and_termination 4	Hughes et all JMB (2000)
0.781853 nuclear_organization 4	Hughes et all JMB (2000)
0.781564 pheromone_response_matingtype_determination_sex:	Hughes et all JMB (2000)
0.780992 other_transcription_activities 7	Hughes et all JMB (2000)
0.780919 transport_atpases 9	Hughes et all JMB (2000)
0.775176 nuclear_transport 5	Hughes et all JMB (2000)
0.774916 mrna_processing_end_end_processing_and_mrna_deg	Hughes et all JMB (2000)
0.774867 drug_transporters 3	Hughes et all JMB (2000)
0.77415 proteasome 4	Hughes et all JMB (2000)
0.773594 lysosomal_and_vacuolar_degradation 8	Hughes et all JMB (2000)
0.773352 anion_transporters_cl_so_po_etc 6	Hughes et all JMB (2000)
0.771373 carbohydrate_utilization 2	Hughes et all JMB (2000)
0.771081 protein_kinase 2	Hughes et all JMB (2000)
0.770418 extracellular_transport 5	Hughes et all JMB (2000)
0.769403 regulation_of_lipid_fattyacid_and_sterol_biosynthesis	Hughes et all JMB (2000)
0.76932 transcriptional_control 4	Hughes et all JMB (2000)
0.768746 protein_modification_glycolsylation_acylation_myristyl	Hughes et all JMB (2000)
0.767375 regulation_of_carbohydrate_utilization 10	Hughes et all JMB (2000)
0.76689 assembly_of_protein_complexes 3	Hughes et all JMB (2000)
0.766788 guanine_nt_x_factors 2	Hughes et all JMB (2000)
0.762695 cell_growth 2	Hughes et all JMB (2000)
0.761912 VPS 6	Hughes et all JMB (2000)

0.759542 RAD 7	Hughes et all JMB (2000)
0.758261 other_nucleotidemetabolism_activities 2	Hughes et all JMB (2000)
0.755836 transcription_factors 2	Hughes et all JMB (2000)
0.754642 aminoacid_metabolism 9	Hughes et all JMB (2000)
0.750857 proteolysis 6	Hughes et all JMB (2000)
0.748687 phosphate_transport 8	Hughes et all JMB (2000)
0.748177 CDC 7	Hughes et all JMB (2000)
0.747921 lipid_and_fattyacid_transport 7	Hughes et all JMB (2000)
0.747888 aminoacid_degradation 9	Hughes et all JMB (2000)
0.747492 proteases 7	Hughes et all JMB (2000)
0.74656 trna_modification 5	Hughes et all JMB (2000)
0.74512 protein_targeting_sorting_and_translocation 4	Hughes et all JMB (2000)
0.745002 YPT 8	Hughes et all JMB (2000)
0.744825 ERG 10	Hughes et all JMB (2000)
0.743559 recombination_and_dna_repair 6	Hughes et all JMB (2000)
0.739023 cellular_import 2	Hughes et all JMB (2000)
0.738498 atpase 6	Hughes et all JMB (2000)
0.738445 SRB 3	Hughes et all JMB (2000)
0.735226 rrna_synthesis 7	Hughes et all JMB (2000)
0.731555 RRN 10	Hughes et all JMB (2000)
0.731555 RRN 9	Hughes et all JMB (2000)
0.731555 RRN 8	Hughes et all JMB (2000)
0.725212 vacuolar_transport 3	Hughes et all JMB (2000)
0.725013 organization_of_endoplasmatic_reticulum 9	Hughes et all JMB (2000)
0.724962 GCN 6	Hughes et all JMB (2000)
0.723448 trna_processing 3	Hughes et all JMB (2000)
0.7169 meiosis 6	Hughes et all JMB (2000)
0.716069 regulation_of_aminoacid_metabolism 3	Hughes et all JMB (2000)
0.715705 MNN 7	Hughes et all JMB (2000)
0.713532 protein_folding_and_stabilization 5	Hughes et all JMB (2000)
0.712913 tricarboxylicacid_pathway 4	Hughes et all JMB (2000)
0.711749 purineribonucleotide_metabolism 10	Hughes et all JMB (2000)

0.711749 purineribonucleotide_metabolism	9	Hughes et al JMB (2000)
0.706919 TATA		Beer et al Cell(2004)
0.704856 mitochondrial_transport	4	Hughes et al JMB (2000)
0.700806 aminoacid_degradation	3	Hughes et al JMB (2000)
0.700772 ARO	3	Hughes et al JMB (2000)
0.700165 cytokinesis	4	Hughes et al JMB (2000)

Nrg1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.981317	NRG1	Maclsaac et al 2007
0.764138	organization_of_cell_wall	8 Hughes et al JMB (2000)
0.739569	MSN2	Maclsaac et al 2007
0.7161	metabolism_of_energy_reserves_glycogen_trehalose	(Hughes et al JMB (2000)
0.713252	M390	Beer et al Cell(2004)

Oaf1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.86564	STB5	Maclsaac et al 2007
0.785524	peroxisomal_organization.ace	3 Sudarsanam et al Genome Res (2002)
0.784197	peroxisomal_organization_orfnum2SD_n3	Sudarsanam et al Genome Res (2002)
0.754255	OAF1	Beer et al Cell(2004)
0.754255	peroxisomal_organization_orfnumA2SD_n3	Sudarsanam et al Genome Res (2002)
0.744816	peroxisomal_organization.ace	3 Sudarsanam et al Genome Res (2002)
0.743536	peroxisomal_organization	1 Hughes et al JMB (2000)
0.715424	RGT1	Maclsaac et al 2007

Pbf1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.990543	M601	Beer et al Cell(2004)
0.988616	M600	Beer et al Cell(2004)
0.986361	transcriptional_control	5 Hughes et al JMB (2000)

0.979593 PAC	Beer et al Cell(2004)
0.974163 rrna_processing_orfnumA2SD_n3	Sudarsanam et al Genome Res (2002)
0.972851 rrna_processing.ace 3	Sudarsanam et al Genome Res (2002)
0.972851 rrna_processing 1	Hughes et all JMB (2000)
0.959697 other_transcription_activities 5	Hughes et all JMB (2000)
0.941725 RPC 1	Hughes et all JMB (2000)
0.938109 M596	Beer et al Cell(2004)
0.93742 nuclear_organization 2	Hughes et all JMB (2000)
0.935794 pentosephosphate_pathway 9	Hughes et all JMB (2000)
0.927207 trna_synthesis 2	Hughes et all JMB (2000)
0.918094 M3b_s	Tavazoie et al Nat. Genetics (1999)
0.913441 M603	Beer et al Cell(2004)
0.905435 mitochondrial_organization 5	Hughes et all JMB (2000)
0.903895 rrna_synthesis 2	Hughes et all JMB (2000)
0.903207 chromatin_modification 8	Hughes et all JMB (2000)
0.900984 DBP 1	Hughes et all JMB (2000)
0.870124 CHA4	Maclsaac et al 2007
0.863666 trna_modification 3	Hughes et all JMB (2000)
0.850536 M631	Beer et al Cell(2004)
0.842602 M604	Beer et al Cell(2004)
0.816779 translation_initiation_elongation_and_termination 8	Hughes et all JMB (2000)
0.801298 NUP 8	Hughes et all JMB (2000)
0.792539 RRP 3	Hughes et all JMB (2000)
0.791138 pyrimidineribonucleotide_metabolism 5	Hughes et all JMB (2000)
0.766494 GLN3	Maclsaac et al 2007
0.765635 trna_modification 2	Hughes et all JMB (2000)
0.758413 purineribonucleotide_metabolism 6	Hughes et all JMB (2000)
0.749612 mitochondrial_biogenesis 7	Hughes et all JMB (2000)
0.748742 DAL 1	Hughes et all JMB (2000)
0.74297 nitrogen_and_sulphur_transport 2	Hughes et all JMB (2000)
0.740976 M58	Beer et al Cell(2004)
0.738129 M372	Beer et al Cell(2004)

0.733396 GAT1_RAPA_4gat
 0.729072 PRP 6
 0.716171 MAK 4
 0.714019 RPC 9
 0.704719 GZF3
 0.70129 regulation_of_aminoacid_metabolism 10
 0.700271 purine_and_pyrimidine_transporters 7

Morozov and Siggia PNAS (2007)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Maclsaac et al 2007
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)

Pbf2 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.995219	rrna_processing.ace 3
0.995219	transcriptional_control 5
0.995219	rrna_processing 1
0.995219	PAC
0.995219	rrna_processing_orfnumA2SD_n3
0.992361	M600
0.992258	M601
0.968913	other_transcription_activities 5
0.966823	pentosephosphate_pathway 9
0.957756	RPC 1
0.955515	M603
0.953566	nuclear_organization 2
0.946277	trna_synthesis 2
0.9267	M596
0.923112	rrna_synthesis 2
0.918526	M3b_s
0.916104	chromatin_modification 8
0.910257	mitochondrial_organization 5
0.904303	DBP 1
0.882659	trna_modification 3
0.878029	CHA4
0.851089	pyrimidineribonucleotide_metabolism 5

References

Sudarsanam et al Genome Res (2002)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Beer et al Cell(2004)
 Sudarsanam et al Genome Res (2002)
 Beer et al Cell(2004)
 Beer et al Cell(2004)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Beer et al Cell(2004)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Beer et al Cell(2004)
 Hughes et al JMB (2000)
 Tavazoie et al Nat. Genetics (1999)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Maclsaac et al 2007
 Hughes et al JMB (2000)

0.838037 translation_initiation_elongation_and_termination	8	Hughes et al JMB (2000)
0.832753 M631		Beer et al Cell(2004)
0.814 M604		Beer et al Cell(2004)
0.812784 GLN3		Maclsaac et al 2007
0.809321 NUP	8	Hughes et al JMB (2000)
0.787724 DAL	1	Hughes et al JMB (2000)
0.781725 M372		Beer et al Cell(2004)
0.76669 RRP	3	Hughes et al JMB (2000)
0.76383 GAT1		Maclsaac et al 2007
0.76383 GZF3		Maclsaac et al 2007
0.759072 PRP	6	Hughes et al JMB (2000)
0.757689 trna_modification	2	Hughes et al JMB (2000)
0.756477 nitrogen_and_sulphur_transport	2	Hughes et al JMB (2000)
0.748971 purineribonucleotide_metabolism	6	Hughes et al JMB (2000)
0.743648 RPC	9	Hughes et al JMB (2000)
0.74362 mitochondrial_biogenesis	7	Hughes et al JMB (2000)
0.738265 QCR	6	Hughes et al JMB (2000)
0.707685 regulation_of_aminoacid_metabolism	10	Hughes et al JMB (2000)
0.701963 purine_and_pyrimidine_transporters	7	Hughes et al JMB (2000)
0.700486 regulation_of_lipid_fattyacid_and_sterol_biosynthesis		Hughes et al JMB (2000)

Pdr1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.78206	RGT1	Maclsaac et al 2007
0.754856	other_mrnatranscription_activities	3 Hughes et al JMB (2000)
0.731401	GAL	9 Hughes et al JMB (2000)
0.718346	YAP7_H2O2Hi_1gd2	Morozov and Siggia PNAS (2007)
0.705645	MSS	10 Hughes et al JMB (2000)

Phd1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
---------------------------------	---------------------	------------

0.776758 THI 3
0.747013 APL 10
0.727915 M466

Hughes et al JMB (2000)
Hughes et al JMB (2000)
Beer et al Cell(2004)

Pho2 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.745618	peroxisomal_transport_orfnum2SD_n15
0.740709	peroxisomal_transport.ace 15
0.736854	APL 8
0.731581	YHP1
0.720743	betaoxidation_of_fatty_acids 4
0.71179	M14b
0.709299	SPT2

References

Sudarsanam et al Genome Res (2002)
Sudarsanam et al Genome Res (2002)
Hughes et al JMB (2000)
Maclsaac et al 2007
Hughes et al JMB (2000)
Tavazoie et al Nat. Genetics (1999)
Maclsaac et al 2007

Pho4 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.997173	PHO4_Pi-_1a0a
0.996689	CBF1
0.995965	CBF1_SM_1an2
0.99572	MET 1
0.99572	CBF1
0.99572	aminoacid_biosynthesis 4
0.994738	PHO4
0.990881	CBF1_SM_2dgc
0.990838	regulation_of_aminoacid_metabolism 6
0.984294	TYE7
0.967481	MET28_YPD_1an2
0.949346	regulation_of_amino-acid_metabolism_orfnum2SD_n5
0.948288	regulation_of_amino-acid_metabolism.ace 5
0.917275	INO2_YPD_1nkp
0.878271	INO4_YPD_1nkp

References

Morozov and Siggia PNAS (2007)
Beer et al Cell(2004)
Morozov and Siggia PNAS (2007)
Hughes et al JMB (2000)
Maclsaac et al 2007
Hughes et al JMB (2000)
Maclsaac et al 2007
Morozov and Siggia PNAS (2007)
Sudarsanam et al Genome Res (2002)
Sudarsanam et al Genome Res (2002)
Morozov and Siggia PNAS (2007)
Morozov and Siggia PNAS (2007)

0.858592 TYE7_YPD_1an2
 0.842265 aminoacid_metabolism 6
 0.831927 INO2
 0.831132 MET4_SM_1an2
 0.80261 HMS1_YPD_1an2
 0.769435 PHO 3
 0.733916 other_intracellulartransport_activities 7
 0.729515 Cbf1_s
 0.711146 HAC1

Morozov and Siggia PNAS (2007)
 Hughes et al JMB (2000)
 Maclsaac et al 2007
 Morozov and Siggia PNAS (2007)
 Morozov and Siggia PNAS (2007)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Tavazoie et al Nat. Genetics (1999)
 Maclsaac et al 2007

Put3 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.755661	PDR3
0.742364	abc 2
0.733762	PDR 2
0.719332	sugar_and_carbohydrate_transporters 6
0.712857	YDR026C
0.711385	detoxificaton 5

References
 Maclsaac et al 2007
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Maclsaac et al 2007
 Hughes et al JMB (2000)

Rap1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.969822	RAP1
0.93085	RAP1
0.900268	RPL 1
0.897735	ribosomal_proteins 1
0.891896	ribosomal_proteins_orfnum2SD_n1
0.89141	ribosomal_proteins.ace 1
0.879963	organization_of_cytoplasm 2
0.858497	mitochondrial_organization 7
0.854957	M198
0.854703	SFP1

References
 Maclsaac et al 2007
 Beer et al Cell(2004)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Sudarsanam et al Genome Res (2002)
 Sudarsanam et al Genome Res (2002)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Beer et al Cell(2004)
 Maclsaac et al 2007

0.843837 RPL 2	Hughes et al JMB (2000)
0.841198 dna_synthesis_and_replication 3	Hughes et al JMB (2000)
0.840384 RPS 2	Hughes et al JMB (2000)
0.834029 ribosomal_proteins 2	Hughes et al JMB (2000)
0.819311 organization_of_cytoplasm 3	Hughes et al JMB (2000)
0.816211 RPS 1	Hughes et al JMB (2000)
0.794461 cell_cycle_control_and_mitosis 3	Hughes et al JMB (2000)
0.790812 aminoacid_metabolism 10	Hughes et al JMB (2000)
0.788519 AFT2	Maclsaac et al 2007
0.779416 FHL1_YPD_2c6y	Morozov and Siggia PNAS (2007)
0.770937 homeostasis_of_metal_ions.ace 3	Sudarsanam et al Genome Res (2002)
0.770094 protein_phosphatases 2	Hughes et al JMB (2000)
0.76788 FHL1	Maclsaac et al 2007
0.766999 Rap1_s	Tavazoie et al Nat. Genetics (1999)
0.765332 glycolysis 5	Hughes et al JMB (2000)
0.763786 homeostasis_of_metal_ions_orfnum2SD_n3	Sudarsanam et al Genome Res (2002)
0.763678 RCS1	Maclsaac et al 2007
0.756859 AFT1	Beer et al Cell(2004)
0.755608 homeostasis_of_metal_ions 2	Hughes et al JMB (2000)
0.754797 MET 6	Hughes et al JMB (2000)
0.750036 M26_s	Tavazoie et al Nat. Genetics (1999)
0.749257 glucose_metabolism 9	Hughes et al JMB (2000)
0.746203 RAP1_YPD_1ign	Morozov and Siggia PNAS (2007)
0.722054 M26	Tavazoie et al Nat. Genetics (1999)
0.717629 other_pheromone_response_activities 6	Hughes et al JMB (2000)
0.713095 carbohydrate_utilization 3	Hughes et al JMB (2000)
0.705104 CUP9_YPD_1b8i	Morozov and Siggia PNAS (2007)

Rdr1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.840544	meiosis_orfnum2SD_n3
0.834509	meiosis.ace 3

References

Sudarsanam et al Genome Res (2002)
Sudarsanam et al Genome Res (2002)

0.833364 meiosis 2	Hughes et al JMB (2000)
0.824586 transcriptional_control 2	Hughes et al JMB (2000)
0.817327 organization_of_cytoplasm 7	Hughes et al JMB (2000)
0.80272 cell_cycle_control_and_mitosis 7	Hughes et al JMB (2000)
0.798281 M597	Beer et al Cell(2004)
0.784007 recombination_and_dna_repair 3	Hughes et al JMB (2000)
0.782978 protein_kinase 6	Hughes et al JMB (2000)
0.766244 REB1_YPD_1w0t_A	Morozov and Siggia PNAS (2007)
0.755719 PDR 2	Hughes et al JMB (2000)
0.752554 CDC 3	Hughes et al JMB (2000)
0.73701 UME6	Maclsaac et al 2007
0.736421 STB2	Maclsaac et al 2007
0.736188 stress_response 10	Hughes et al JMB (2000)
0.734695 abc_transporters 3	Hughes et al JMB (2000)
0.731941 nuclear_organization.ace 5	Sudarsanam et al Genome Res (2002)
0.731183 other_energy_generation_activities 5	Hughes et al JMB (2000)
0.730112 nuclear_organization_orfnumA2SD_n5	Sudarsanam et al Genome Res (2002)
0.728861 STB5_YPD_1pyi_TCCG_CGGA	Morozov and Siggia PNAS (2007)
0.726476 RPL 9	Hughes et al JMB (2000)
0.72386 M346	Beer et al Cell(2004)
0.717169 budding_cell_polarity_and_filament_formation 5	Hughes et al JMB (2000)
0.714128 regulation_of_aminoacid_metabolism 7	Hughes et al JMB (2000)
0.712459 nuclear_organization 6	Hughes et al JMB (2000)
0.712459 nuclear_organization 5	Hughes et al JMB (2000)
0.710506 abc 2	Hughes et al JMB (2000)
0.707456 PDR3_YPD_1pyi_TCCG_CGGA	Morozov and Siggia PNAS (2007)
0.703849 meiosis 5	Hughes et al JMB (2000)
0.701486 REB1	Maclsaac et al 2007
0.700493 PDR3	Beer et al Cell(2004)
0.700493 PDR_orfnumA2SD_n1	Sudarsanam et al Genome Res (2002)

Rds1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.999056	RDS1
0.982799	RDS1_H2O2Hi_1pyi_N0
0.834184	PDR1
0.813993	PDR1_YPD_1pyi_TCCG_CGGA
0.785794	IME1
0.771001	ion_transporters_orfnum2SD_n4
0.762952	ion_transporters.ace 4
0.747969	peroxisomal_organization 6

References

Maclsaac et al 2007
 Morozov and Siggia PNAS (2007)
 Maclsaac et al 2007
 Morozov and Siggia PNAS (2007)
 Maclsaac et al 2007
 Sudarsanam et al Genome Res (2002)
 Sudarsanam et al Genome Res (2002)
 Hughes et all JMB (2000)

Rds2 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.717323	M93
0.705021	peroxisomal_organization 1

References

Beer et al Cell(2004)
 Hughes et all JMB (2000)

Rgt1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.979388	RGT1
0.947355	other_mrnatranscription_activities 3
0.88483	cellular_import 7
0.8435	ubiquitin_conjugating 4
0.836555	fermentation 4
0.807568	HXT 5
0.799433	proteases 8
0.768974	HXT 4
0.767733	CDC 8
0.762447	M27_s
0.750817	other_cation_transporters_na_k_ca_nh_etc 4
0.734649	RRP 2
0.73	cell_death 1
0.728301	RIM 7

References

Maclsaac et al 2007
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Tavazoie et al Nat. Genetics (1999)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)

0.726693	LSM 3	Hughes et al JMB (2000)
0.725775	carbohydrate_transport 4	Hughes et al JMB (2000)
0.714827	other_intracellulartransport_activities 10	Hughes et al JMB (2000)
0.71433	proteolysis 9	Hughes et al JMB (2000)
0.711387	nuclear_organization 3	Hughes et al JMB (2000)
0.705621	drug_transporters 9	Hughes et al JMB (2000)

Rph1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.942604	M343	Beer et al Cell(2004)
0.875649	M635	Beer et al Cell(2004)
0.8586	MSN4	Maclsaac et al 2007
0.848486	glycolysis 8	Hughes et al JMB (2000)
0.846586	M347	Beer et al Cell(2004)
0.833019	pentosephosphate_pathway 3	Hughes et al JMB (2000)
0.830404	MSN2	Maclsaac et al 2007
0.812479	STRE	Tavazoie et al Nat. Genetics (1999)
0.798458	metabolism_of_energy_reserves_glycogen_trehalose 6	Hughes et al JMB (2000)
0.788487	MSN24	Beer et al Cell(2004)
0.75135	glucose_metabolism 4	Hughes et al JMB (2000)
0.750016	Rap1	Tavazoie et al Nat. Genetics (1999)
0.738936	M650	Beer et al Cell(2004)
0.723125	STRE_s	Tavazoie et al Nat. Genetics (1999)

Rpn4 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.79295	RPN4	Maclsaac et al 2007
0.768889	proteolysis.ace 18	Sudarsanam et al Genome Res (2002)
0.766308	proteolysis_orfnum2SD_n18	Sudarsanam et al Genome Res (2002)
0.764532	MET31	Beer et al Cell(2004)
0.723142	rna_transport 9	Hughes et al JMB (2000)

0.718736 M116
 0.718587 GAT3_YPD_6gat
 0.711522 aminoacid_transporters 2
 0.710775 MNN 6
 0.70553 organization_of_cytoplasm 4

Beer et al Cell(2004)
 Morozov and Siggia PNAS (2007)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)

Rsc30 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.810865	M273
0.719862	regulation_of_nitrogen_and_sulphur_utilization 8
0.716831	SUT1

References
 Beer et al Cell(2004)
 Hughes et all JMB (2000)
 Maclsaac et al 2007

Rsc3 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.75	M273
0.726179	regulation_of_nitrogen_and_sulphur_utilization 8
0.723515	ion_transporters.ace 4
0.718698	ion_transporters_orfnum2SD_n4
0.703223	SUT1

References
 Beer et al Cell(2004)
 Hughes et all JMB (2000)
 Sudarsanam et al Genome Res (2002)
 Sudarsanam et al Genome Res (2002)
 Maclsaac et al 2007

Rtg3 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.998697	PHO4
0.998335	MET 1
0.998335	CBF1
0.998335	aminoacid_biosynthesis 4
0.997935	CBF1
0.996636	CBF1_SM_1an2
0.995081	PHO4_Pi-_1a0a
0.994809	TYE7
0.992818	CBF1_SM_2dgc

References
 Maclsaac et al 2007
 Hughes et all JMB (2000)
 Maclsaac et al 2007
 Hughes et all JMB (2000)
 Beer et al Cell(2004)
 Morozov and Siggia PNAS (2007)
 Morozov and Siggia PNAS (2007)
 Maclsaac et al 2007
 Morozov and Siggia PNAS (2007)

0.991513	regulation_of_aminoacid_metabolism	6	Hughes et al JMB (2000)
0.987635	regulation_of_amino-acid_metabolism_orfnum2SD_n5		Sudarsanam et al Genome Res (2002)
0.986779	regulation_of_amino-acid_metabolism.ace	5	Sudarsanam et al Genome Res (2002)
0.962817	MET28_YPD_1an2		Morozov and Siggia PNAS (2007)
0.904378	INO2_YPD_1nkp		Morozov and Siggia PNAS (2007)
0.902832	TYE7_YPD_1an2		Morozov and Siggia PNAS (2007)
0.897064	aminoacid_metabolism	6	Hughes et al JMB (2000)
0.878391	MET4_SM_1an2		Morozov and Siggia PNAS (2007)
0.866311	INO4_YPD_1nkp		Morozov and Siggia PNAS (2007)
0.818328	INO2		Maclsaac et al 2007
0.811081	PHO	3	Hughes et al JMB (2000)
0.796797	HMS1_YPD_1an2		Morozov and Siggia PNAS (2007)
0.771019	Cbf1_s		Tavazoie et al Nat. Genetics (1999)
0.749805	TYE7_YPD_1am9		Morozov and Siggia PNAS (2007)
0.724605	MET4_SM_2dgc		Morozov and Siggia PNAS (2007)

Sfl1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.805259	LYS 9	Hughes et al JMB (2000)
0.79847	protein_kinase 4	Hughes et al JMB (2000)
0.798087	trna_synthesis 10	Hughes et al JMB (2000)
0.786609	organization_of_cytoskeleton 10	Hughes et al JMB (2000)
0.786325	fermentation 4	Hughes et al JMB (2000)
0.774588	polynucleotide_degradation 10	Hughes et al JMB (2000)
0.773989	MSS 3	Hughes et al JMB (2000)
0.757175	dna_repair_direct_repair_base_excision_repair_and_n	Hughes et al JMB (2000)
0.756567	general_transcription_activities -y 5	Hughes et al JMB (2000)
0.749854	recombination_and_dna_repair 2	Hughes et al JMB (2000)
0.748621	RAD 4	Hughes et al JMB (2000)
0.745996	glycolysis 9	Hughes et al JMB (2000)
0.743877	ERG 7	Hughes et al JMB (2000)
0.739786	other_lipid_fattyacid_and_sterol_metabolism_proteins	Hughes et al JMB (2000)

0.739372 lipid_transporters	1	Hughes et al JMB (2000)
0.737739 HSP	4	Hughes et al JMB (2000)
0.735699 cyclins	4	Hughes et al JMB (2000)
0.735648 serine_rich	4	Hughes et al JMB (2000)
0.735558 peroxisomal_organization	4	Hughes et al JMB (2000)
0.734981 other_cation_transporters_na_k_ca_nh_etc	4	Hughes et al JMB (2000)
0.734667 PMT	2	Hughes et al JMB (2000)
0.731957 YAP	6	Hughes et al JMB (2000)
0.729508 organization_of_endoplasmatic_reticulum	4	Hughes et al JMB (2000)
0.719623 translational_control	5	Hughes et al JMB (2000)
0.719447 URA	7	Hughes et al JMB (2000)
0.718416 RAD	10	Hughes et al JMB (2000)
0.718217 YAP	10	Hughes et al JMB (2000)
0.713451 GCR2		Maclsaac et al 2007
0.712322 MRS	2	Hughes et al JMB (2000)
0.711022 ECM	9	Hughes et al JMB (2000)
0.710933 recombination_and_dna_repair	5	Hughes et al JMB (2000)
0.708321 breakdown_of_lipids_and_phospholipids	2	Hughes et al JMB (2000)
0.706761 regulation_of_lipid_fattyacid_and_sterol_biosynthesis		Hughes et al JMB (2000)
0.7065 cell_cycle_control_and_mitosis	10	Hughes et al JMB (2000)
0.705975 SPO	5	Hughes et al JMB (2000)
0.702822 pyrimidineribonucleotide_metabolism	9	Hughes et al JMB (2000)
0.70139 HEM	3	Hughes et al JMB (2000)
0.700413 serine_rich	5	Hughes et al JMB (2000)
0.700115 trna_modification	6	Hughes et al JMB (2000)

Sfp1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.98731	M602	Beer et al Cell(2004)
0.980996	translation_initiation_elongation_and_termination	2 Hughes et al JMB (2000)
0.978159	M595	Beer et al Cell(2004)
0.965611	trnasynthetases	4 Hughes et al JMB (2000)

0.957315 rrna_transcription.ace	3	Sudarsanam et al	Genome Res (2002)
0.956829 rrna_transcription_orfnum2SD_n3		Sudarsanam et al	Genome Res (2002)
0.950347 metabolism_of_vitamins_cofactors_and_prosthetic_gr		Hughes et al	JMB (2000)
0.949693 DBP	3	Hughes et al	JMB (2000)
0.948269 organization_of_cytoplasm	5	Hughes et al	JMB (2000)
0.938289 RPA	2	Hughes et al	JMB (2000)
0.937971 GCD	10	Hughes et al	JMB (2000)
0.937834 RRPE		Beer et al	Cell(2004)
0.936443 budding_cell_polarity_and_filament_formation	3	Hughes et al	JMB (2000)
0.929599 nuclear_organization	3	Hughes et al	JMB (2000)
0.926867 rrna_processing	2	Hughes et al	JMB (2000)
0.925755 trna_synthesis	3	Hughes et al	JMB (2000)
0.925463 M4_s		Tavazoie et al	Nat. Genetics (1999)
0.919364 rrna_synthesis	3	Hughes et al	JMB (2000)
0.916797 M4		Tavazoie et al	Nat. Genetics (1999)
0.910222 M27		Tavazoie et al	Nat. Genetics (1999)
0.908702 gtpases	6	Hughes et al	JMB (2000)
0.905043 NUP	3	Hughes et al	JMB (2000)
0.901703 M3a		Tavazoie et al	Nat. Genetics (1999)
0.901459 RPC	3	Hughes et al	JMB (2000)
0.894431 RRP	2	Hughes et al	JMB (2000)
0.887073 M27_s		Tavazoie et al	Nat. Genetics (1999)
0.887073 cell_cycle_control_and_mitosis	4	Hughes et al	JMB (2000)
0.881989 RPL	8	Hughes et al	JMB (2000)
0.877015 biogenesis_of_cell_wall	7	Hughes et al	JMB (2000)
0.872361 organization_of_endoplasmatic_reticulum	7	Hughes et al	JMB (2000)
0.860319 ECM	8	Hughes et al	JMB (2000)
0.860034 pyrimidineribonucleotide_metabolism	2	Hughes et al	JMB (2000)
0.859104 trna_modification	4	Hughes et al	JMB (2000)
0.84792 RPC	8	Hughes et al	JMB (2000)
0.839786 rna_transport	4	Hughes et al	JMB (2000)
0.830646 ribosomal_proteins	8	Hughes et al	JMB (2000)

0.830147 heat_shock 8	Hughes et al JMB (2000)
0.820047 polynucleotide_degradation 6	Hughes et al JMB (2000)
0.817856 translational_control 6	Hughes et al JMB (2000)
0.815941 M3a_s	Tavazoie et al Nat. Genetics (1999)
0.813348 M99	Beer et al Cell(2004)
0.800367 cell_death 6	Hughes et al JMB (2000)
0.767666 COX 5	Hughes et al JMB (2000)
0.767626 CCT 2	Hughes et al JMB (2000)
0.762791 FLO 9	Hughes et al JMB (2000)
0.757861 purine_and_pyrimidine_transporters 5	Hughes et al JMB (2000)
0.757245 trna_synthetases 7	Hughes et al JMB (2000)
0.756541 RRP 4	Hughes et al JMB (2000)
0.750021 FUN 3	Hughes et al JMB (2000)
0.749144 ALG 5	Hughes et al JMB (2000)
0.741656 ribosomal_proteins 7	Hughes et al JMB (2000)
0.738061 RRN 3	Hughes et al JMB (2000)
0.73581 CLB 4	Hughes et al JMB (2000)
0.734454 UBP 8	Hughes et al JMB (2000)
0.733065 CCT 9	Hughes et al JMB (2000)
0.73203 RPB 4	Hughes et al JMB (2000)
0.728763 RPP 2	Hughes et al JMB (2000)
0.728127 RRP 7	Hughes et al JMB (2000)
0.727547 respiration 10	Hughes et al JMB (2000)
0.72527 MSS 9	Hughes et al JMB (2000)
0.721921 gproteins 4	Hughes et al JMB (2000)
0.72062 STE 5	Hughes et al JMB (2000)
0.718701 RPC 7	Hughes et al JMB (2000)
0.716815 TIF 4	Hughes et al JMB (2000)
0.71541 PET 4	Hughes et al JMB (2000)
0.714098 RPT 7	Hughes et al JMB (2000)
0.712877 PRP 3	Hughes et al JMB (2000)
0.711509 phosphate_utilization 7	Hughes et al JMB (2000)

0.710103 ARG 1	Hughes et al JMB (2000)
0.709097 MSH 6	Hughes et al JMB (2000)
0.708055 CLB 8	Hughes et al JMB (2000)
0.707265 sugar_and_carbohydrate_transporters 5	Hughes et al JMB (2000)
0.706239 GCD 3	Hughes et al JMB (2000)
0.704864 nuclear_transport 2	Hughes et al JMB (2000)
0.700995 STE 3	Hughes et al JMB (2000)
0.700835 RPS 9	Hughes et al JMB (2000)
0.700743 general_transcription_activities -y 1	Hughes et al JMB (2000)
0.70046 other_transcription_activities 10	Hughes et al JMB (2000)
0.700116 protein_targeting_sorting_and_translocation 8	Hughes et al JMB (2000)

Sip4 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.785745 GAL 9		Hughes et al JMB (2000)
0.767149 sugar_and_carbohydrate_transporters 6		Hughes et al JMB (2000)
0.703365 HSP 1		Hughes et al JMB (2000)

Skn7 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.756796 ACA1_YPD_1dh3		Morozov and Siggia PNAS (2007)

Smp1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.823459 YHP1		Maclsaac et al 2007
0.816961 peroxisomal_transport.ace 15		Sudarsanam et al Genome Res (2002)
0.81372 peroxisomal_transport_orfnum2SD_n15		Sudarsanam et al Genome Res (2002)
0.734585 PHO2		Maclsaac et al 2007
0.730801 peroxisomal_transport 10		Hughes et al JMB (2000)
0.725395 RLM1		Maclsaac et al 2007
0.721055 SMP1_YPD_1egw		Morozov and Siggia PNAS (2007)

Spt15 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.997259	metabolism_of_vitamins_cofactors_and_prosthetic_gr	Hughes et al JMB (2000)
0.985565	breakdown_of_lipids_and_phospholipids 4	Hughes et al JMB (2000)
0.97614	peroxisomal_transport 4	Hughes et al JMB (2000)
0.961064	SKN7_H2O2Lo_3hts	Morozov and Siggia PNAS (2007)
0.953292	aminoacid_biosynthesis 7	Hughes et al JMB (2000)
0.939445	respiration 3	Hughes et al JMB (2000)
0.937913	RAD 7	Hughes et al JMB (2000)
0.937516	protein_phosphatases 10	Hughes et al JMB (2000)
0.934301	LYS 3	Hughes et al JMB (2000)
0.933651	assembly_of_protein_complexes 3	Hughes et al JMB (2000)
0.932987	VPS 6	Hughes et al JMB (2000)
0.925425	other_transcription_activities 7	Hughes et al JMB (2000)
0.923162	lipid_fattyacid_and_sterol_biosynthesis 5	Hughes et al JMB (2000)
0.921041	pentosephosphate_pathway 1	Hughes et al JMB (2000)
0.914502	transport_atpases 8	Hughes et al JMB (2000)
0.911646	anion_transporters_cl_so_po_etc 6	Hughes et al JMB (2000)
0.909996	ERG 10	Hughes et al JMB (2000)
0.909239	glucose_metabolism 2	Hughes et al JMB (2000)
0.907434	MET 2	Hughes et al JMB (2000)
0.904836	lipid_and_fattyacid_transport 7	Hughes et al JMB (2000)
0.902152	tricarboxylicacid_pathway 4	Hughes et al JMB (2000)
0.901453	organization_of_endoplasmatic_reticulum 2	Hughes et al JMB (2000)
0.899623	vacuolar_and_lyosomal_organization 3	Hughes et al JMB (2000)
0.893969	extracellular_transport 5	Hughes et al JMB (2000)
0.891858	protein_modification_glycolsylation_acylation_myristyl	Hughes et al JMB (2000)
0.887302	mrna_processing_end_end_processing_and_mrna_deg	Hughes et al JMB (2000)
0.884047	homeostasis_of_other_ions 2	Hughes et al JMB (2000)
0.879966	trna_modification 5	Hughes et al JMB (2000)
0.87982	nuclear_organization.ace 4	Sudarsanam et al Genome Res (2002)

0.879363 nitrogen_and_sulphur_utilization	2	Hughes et al JMB (2000)
0.878832 AT_repeat		Beer et al Cell(2004)
0.878832 nuclear_organization_orfnumA2SD_n4		Sudarsanam et al Genome Res (2002)
0.878134 abc_transporters	10	Hughes et al JMB (2000)
0.868425 other_intracellulartransport_activities	6	Hughes et al JMB (2000)
0.867169 sporulation_and_germination	2	Hughes et al JMB (2000)
0.865787 transport_atpases	9	Hughes et al JMB (2000)
0.865527 carbohydrate_utilization	4	Hughes et al JMB (2000)
0.865204 organization_of_plasma_membrane	3	Hughes et al JMB (2000)
0.864872 aminoacid_degradation	9	Hughes et al JMB (2000)
0.864816 carbohydrate_utilization	2	Hughes et al JMB (2000)
0.862691 transcription_factors	2	Hughes et al JMB (2000)
0.860585 regulation_of_carbohydrate_utilization	10	Hughes et al JMB (2000)
0.8596 nitrogen_and_sulphur_transport	6	Hughes et al JMB (2000)
0.85172 protein_kinase	2	Hughes et al JMB (2000)
0.851333 THI	1	Hughes et al JMB (2000)
0.846785 biogenesis_of_cell_wall	3	Hughes et al JMB (2000)
0.846621 nuclear_organization	4	Hughes et al JMB (2000)
0.846243 protein_folding_and_stabilization	5	Hughes et al JMB (2000)
0.845607 organization_of_cytoplasm	6	Hughes et al JMB (2000)
0.843723 dna_synthesis_and_replication	4	Hughes et al JMB (2000)
0.84323 atpase	6	Hughes et al JMB (2000)
0.840486 translation_initiation_elongation_and_termination	3	Hughes et al JMB (2000)
0.839283 phosphate_transport	8	Hughes et al JMB (2000)
0.837973 aminoacid_transporters	7	Hughes et al JMB (2000)
0.837937 CDC	7	Hughes et al JMB (2000)
0.834842 lysosomal_and_vacuolar_degradation	8	Hughes et al JMB (2000)
0.834775 mitochondrial_organization	2	Hughes et al JMB (2000)
0.833951 regulation_of_lipid_fattyacid_and_sterol_biosynthesis		Hughes et al JMB (2000)
0.833756 stress_response	2	Hughes et al JMB (2000)
0.833571 PDR	4	Hughes et al JMB (2000)
0.832432 nuclear_transport	5	Hughes et al JMB (2000)

0.8319 glyoxylate_cycle 8	Hughes et all JMB (2000)
0.83189 YPT 8	Hughes et all JMB (2000)
0.827276 aminoacid_biosynthesis 2	Hughes et all JMB (2000)
0.827221 meiosis 6	Hughes et all JMB (2000)
0.826634 pheromone_response_matingtype_determination_sex:	Hughes et all JMB (2000)
0.82516 abc 3	Hughes et all JMB (2000)
0.823069 trna_synthetases 2	Hughes et all JMB (2000)
0.822914 abc_transporters 2	Hughes et all JMB (2000)
0.821284 metal_ion_transporters_cu_fe_etc 7	Hughes et all JMB (2000)
0.818085 transcriptional_control 4	Hughes et all JMB (2000)
0.816887 aminoacid_metabolism 2	Hughes et all JMB (2000)
0.816134 TBP	TRANSFAC
0.816092 cell_cycle_control_and_mitosis 2	Hughes et all JMB (2000)
0.813951 protein_targeting_sorting_and_translocation 4	Hughes et all JMB (2000)
0.813693 cellular_import 2	Hughes et all JMB (2000)
0.808196 translation_initiation_elongation_and_termination 4	Hughes et all JMB (2000)
0.807485 gluconeogenesis 10	Hughes et all JMB (2000)
0.804337 ribosomal_proteins 5	Hughes et all JMB (2000)
0.802543 homeostasis_of_metal_ions 6	Hughes et all JMB (2000)
0.801915 TATA	Beer et al Cell(2004)
0.799706 trnasynthetases 3	Hughes et all JMB (2000)
0.799183 budding_cell_polarity_and_filament_formation 2	Hughes et all JMB (2000)
0.797199 KIN 5	Hughes et all JMB (2000)
0.795579 proteolysis 6	Hughes et all JMB (2000)
0.790241 aminoacid_transport 6	Hughes et all JMB (2000)
0.789649 vacuolar_transport 3	Hughes et all JMB (2000)
0.787178 RRN 10	Hughes et all JMB (2000)
0.787178 RRN 9	Hughes et all JMB (2000)
0.787178 RRN 8	Hughes et all JMB (2000)
0.786087 GCN 6	Hughes et all JMB (2000)
0.784689 proteasome 4	Hughes et all JMB (2000)
0.779706 proteases 7	Hughes et all JMB (2000)

0.771437 regulation_of_aminoacid_metabolism	3	Hughes et all JMB (2000)
0.767591 cell_growth	2	Hughes et all JMB (2000)
0.761127 SMP1_YPD_1egw		Morozov and Siggia PNAS (2007)
0.761005 aminoacid_metabolism	9	Hughes et all JMB (2000)
0.760594 cytoplasmic_degradation	6	Hughes et all JMB (2000)
0.756187 GCD	6	Hughes et all JMB (2000)
0.748714 recombination_and_dna_repair	6	Hughes et all JMB (2000)
0.747666 organization_of_chromosome_structure	4	Hughes et all JMB (2000)
0.744561 polynucleotide_degradation	7	Hughes et all JMB (2000)
0.743241 SRB	3	Hughes et all JMB (2000)
0.741906 MNN	7	Hughes et all JMB (2000)
0.741409 MSS	6	Hughes et all JMB (2000)
0.740535 M645		Beer et al Cell(2004)
0.739734 MSH	8	Hughes et all JMB (2000)
0.738398 gtpases	9	Hughes et all JMB (2000)
0.73469 PEP	8	Hughes et all JMB (2000)
0.733401 aminoacid_degradation	3	Hughes et all JMB (2000)
0.728825 protein_folding_and_stabilization	9	Hughes et all JMB (2000)
0.726543 mitochondrial_transport	4	Hughes et all JMB (2000)
0.72386 M14b		Tavazoie et al Nat. Genetics (1999)
0.723826 general_transcription_activities -y	10	Hughes et all JMB (2000)
0.721294 APL	10	Hughes et all JMB (2000)
0.721202 mrna_processing_end_end_processing_and_mrna_deg		Hughes et all JMB (2000)
0.720569 trna_processing	3	Hughes et all JMB (2000)
0.715947 M590		Beer et al Cell(2004)
0.714317 other_lipid_fattyacid_and_sterol_metabolism_proteins		Hughes et all JMB (2000)
0.711736 RLM1_YPD_1egw		Morozov and Siggia PNAS (2007)
0.710772 APG	2	Hughes et all JMB (2000)
0.709385 THI	10	Hughes et all JMB (2000)
0.708757 guanine_nt_x_factors	2	Hughes et all JMB (2000)
0.705061 FRE	8	Hughes et all JMB (2000)
0.700524 RIB	10	Hughes et all JMB (2000)

Srd1 PBM motif matches:
No PBM motif matches found.

Stb3 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.996604	M13s	Tavazoie et al Nat. Genetics (1999)
0.996604	protein_targeting_sorting_and_translocation 9	Hughes et all JMB (2000)
0.996604	general_transcription_activities -y 6	Hughes et all JMB (2000)
0.978561	vacuolar_and_lyosomal_organization 6	Hughes et all JMB (2000)
0.978059	TIF 2	Hughes et all JMB (2000)
0.969565	pyrimidineribonucleotide_metabolism 2	Hughes et all JMB (2000)
0.964405	M3a	Tavazoie et al Nat. Genetics (1999)
0.951517	other_transcription_activities 10	Hughes et all JMB (2000)
0.950239	respiration 10	Hughes et all JMB (2000)
0.949362	RIM 7	Hughes et all JMB (2000)
0.942193	M3a_s	Tavazoie et al Nat. Genetics (1999)
0.940239	rrna_processing 2	Hughes et all JMB (2000)
0.932778	heat_shock 8	Hughes et all JMB (2000)
0.932013	ribosomal_proteins 8	Hughes et all JMB (2000)
0.926241	RRPE	Beer et al Cell(2004)
0.921399	cellular_import 7	Hughes et all JMB (2000)
0.920911	key_kinases 6	Hughes et all JMB (2000)
0.916462	FLO 2	Hughes et all JMB (2000)
0.912055	purineribonucleotide_metabolism 2	Hughes et all JMB (2000)
0.911947	rrna_synthesis 3	Hughes et all JMB (2000)
0.907596	trna_modification 4	Hughes et all JMB (2000)
0.906822	ARG 1	Hughes et all JMB (2000)
0.906821	DBP 3	Hughes et all JMB (2000)
0.896438	nuclear_organization 3	Hughes et all JMB (2000)
0.896436	rrna_transcription_orfnum2SD_n3	Sudarsanam et al Genome Res (2002)

0.895377 rrna_transcription.ace 3	Sudarsanam et al Genome Res (2002)
0.893426 other_cation_transporters_na_k_ca_nh_etc 4	Hughes et all JMB (2000)
0.89269 RRP 2	Hughes et all JMB (2000)
0.888585 translational_control 6	Hughes et all JMB (2000)
0.886366 cell_cycle_control_and_mitosis 4	Hughes et all JMB (2000)
0.883833 organization_of_endoplasmatic_reticulum 7	Hughes et all JMB (2000)
0.883642 FUN 3	Hughes et all JMB (2000)
0.881348 PRP 3	Hughes et all JMB (2000)
0.88132 trnasynthetases 8	Hughes et all JMB (2000)
0.880059 organization_of_golgi 9	Hughes et all JMB (2000)
0.878592 translation_initiation_elongation_and_termination 2	Hughes et all JMB (2000)
0.874956 cell_cycle_control_and_mitosis 10	Hughes et all JMB (2000)
0.871874 other_proteinsynthesis_activities 2	Hughes et all JMB (2000)
0.870207 NUP 1	Hughes et all JMB (2000)
0.86929 M630	Beer et al Cell(2004)
0.866851 M27_s	Tavazoie et al Nat. Genetics (1999)
0.860844 organization_of_cytoplasm 5	Hughes et all JMB (2000)
0.859634 cell_growth 5	Hughes et all JMB (2000)
0.85541 pheromone_response_matingtype_determination_sex:	Hughes et all JMB (2000)
0.855315 RPA 2	Hughes et all JMB (2000)
0.854244 M595	Beer et al Cell(2004)
0.844605 RPB 4	Hughes et all JMB (2000)
0.837547 biogenesis_of_cell_wall 7	Hughes et all JMB (2000)
0.836787 translational_control 4	Hughes et all JMB (2000)
0.834397 TOM 1	Hughes et all JMB (2000)
0.833815 other_aminoacid_metabolism_activities 9	Hughes et all JMB (2000)
0.833208 NUP 3	Hughes et all JMB (2000)
0.82996 STE 5	Hughes et all JMB (2000)
0.829809 POP 5	Hughes et all JMB (2000)
0.827927 pyrimidineribonucleotide_metabolism 3	Hughes et all JMB (2000)
0.827564 ALG 4	Hughes et all JMB (2000)
0.826883 trna_synthesis 3	Hughes et all JMB (2000)

0.823997 lipid_fattyacid_and_sterol_biosynthesis 2	Hughes et al JMB (2000)
0.82154 RPC 3	Hughes et al JMB (2000)
0.819443 RPP 3	Hughes et al JMB (2000)
0.817096 organization_of_endoplasmatic_reticulum 4	Hughes et al JMB (2000)
0.812911 trna_synthetases 7	Hughes et al JMB (2000)
0.810698 GCD 2	Hughes et al JMB (2000)
0.809048 M634	Beer et al Cell(2004)
0.80661 STE12	Beer et al Cell(2004)
0.806374 chromatin_modification 2	Hughes et al JMB (2000)
0.802403 extracellularsecretion_proteins 7	Hughes et al JMB (2000)
0.797605 gtpases 6	Hughes et al JMB (2000)
0.797419 organization_of_cytoskeleton 6	Hughes et al JMB (2000)
0.79585 trna_processing 4	Hughes et al JMB (2000)
0.795295 ECM 5	Hughes et al JMB (2000)
0.794497 fermentation 4	Hughes et al JMB (2000)
0.792605 RIB 8	Hughes et al JMB (2000)
0.79145 metabolism_of_vitamins_cofactors_and_prosthetic_gr	Hughes et al JMB (2000)
0.791049 regulation_of_aminoacid_metabolism 5	Hughes et al JMB (2000)
0.789754 protein_targeting_sorting_and_translocation 6	Hughes et al JMB (2000)
0.786779 metal_ion_transporters_cu_fe_etc 5	Hughes et al JMB (2000)
0.78375 RPL 8	Hughes et al JMB (2000)
0.783411 VPS 5	Hughes et al JMB (2000)
0.778069 M27	Tavazoie et al Nat. Genetics (1999)
0.776965 regulation_of_nitrogen_and_sulphur_utilization 3	Hughes et al JMB (2000)
0.775127 purine_and_pyrimidine_transporters 5	Hughes et al JMB (2000)
0.773261 M102	Beer et al Cell(2004)
0.771424 KAR 2	Hughes et al JMB (2000)
0.770559 ubiquitin_conjugating 4	Hughes et al JMB (2000)
0.770192 protein_phosphatases 4	Hughes et al JMB (2000)
0.768849 cell_death 6	Hughes et al JMB (2000)
0.767605 serine_rich 9	Hughes et al JMB (2000)
0.767501 M602	Beer et al Cell(2004)

0.76718 trnasynthetases	4	Hughes et al JMB (2000)
0.764817 MSH	6	Hughes et al JMB (2000)
0.764328 SPT	2	Hughes et al JMB (2000)
0.763474 MET	8	Hughes et al JMB (2000)
0.762411 mrna_processing_end_end_processing_and_mrna_deg		Hughes et al JMB (2000)
0.759537 other_transport_facilitators	9	Hughes et al JMB (2000)
0.759537 other_transport_facilitators	8	Hughes et al JMB (2000)
0.757669 transcriptional_control	10	Hughes et al JMB (2000)
0.757589 STE	3	Hughes et al JMB (2000)
0.756612 MAK	2	Hughes et al JMB (2000)
0.754425 ALG	5	Hughes et al JMB (2000)
0.752715 STE12		Maclsaac et al 2007
0.747855 rna_transport	2	Hughes et al JMB (2000)
0.746 mitochondrial_transport	5	Hughes et al JMB (2000)
0.745435 other_cell_rescue_activities	6	Hughes et al JMB (2000)
0.745332 rna_transport	4	Hughes et al JMB (2000)
0.7423 guanine_nt_x_factors	4	Hughes et al JMB (2000)
0.742282 cytoskeletondependent_transport	9	Hughes et al JMB (2000)
0.74211 trna_modification	6	Hughes et al JMB (2000)
0.741831 biogenesis_of_chromosome_structure	3	Hughes et al JMB (2000)
0.740962 RPT	7	Hughes et al JMB (2000)
0.740798 budding_cell_polarity_and_filament_formation	10	Hughes et al JMB (2000)
0.738989 RPC	7	Hughes et al JMB (2000)
0.738849 metabolism_of_energy_reserves_glycogen_trehalose	4	Hughes et al JMB (2000)
0.73781 polynucleotide_degradation	6	Hughes et al JMB (2000)
0.737308 metabolism_of_vitamins_cofactors_and_prosthetic_gr		Hughes et al JMB (2000)
0.736566 RPN	2	Hughes et al JMB (2000)
0.736175 CDC	8	Hughes et al JMB (2000)
0.735403 budding_cell_polarity_and_filament_formation	3	Hughes et al JMB (2000)
0.735126 nitrogen_and_sulphur_utilization	6	Hughes et al JMB (2000)
0.734292 DIG1		Maclsaac et al 2007
0.733664 cell_death	1	Hughes et al JMB (2000)

0.732649 RPB 5	Hughes et al JMB (2000)
0.73218 RPP 2	Hughes et al JMB (2000)
0.730592 COX 5	Hughes et al JMB (2000)
0.730118 M4_s	Tavazoie et al Nat. Genetics (1999)
0.730072 CCT 2	Hughes et al JMB (2000)
0.730024 MRS 1	Hughes et al JMB (2000)
0.729373 organization_of_cell_wall 4	Hughes et al JMB (2000)
0.729073 CIN5_YPD	Narlikar et al Bioinformatics (2006)
0.728578 CIN5_H2O2Hi	Narlikar et al Bioinformatics (2006)
0.728367 CIN5_H2O2Lo	Narlikar et al Bioinformatics (2006)
0.727582 budding_cell_polarity_and_filament_formation 8	Hughes et al JMB (2000)
0.727359 organization_of_chromosome_structure 3	Hughes et al JMB (2000)
0.725939 other_morphogenetic_activities 6	Hughes et al JMB (2000)
0.725311 CBF1_SM	Narlikar et al Bioinformatics (2006)
0.724761 ubiquitin_conjugating 3	Hughes et al JMB (2000)
0.724578 ARR1_YPD	Narlikar et al Bioinformatics (2006)
0.723853 CAD1_YPD	Narlikar et al Bioinformatics (2006)
0.72354 PHO 5	Hughes et al JMB (2000)
0.723233 other_nutritionalresponse_activities 4	Hughes et al JMB (2000)
0.721609 CAD1_SM	Narlikar et al Bioinformatics (2006)
0.72119 DAL 8	Hughes et al JMB (2000)
0.720709 SPO 7	Hughes et al JMB (2000)
0.719385 UBP 1	Hughes et al JMB (2000)
0.719309 trna_synthetases 3	Hughes et al JMB (2000)
0.718806 RPA 8	Hughes et al JMB (2000)
0.718243 INO4	Beer et al Cell(2004)
0.718134 trnasynthetases 7	Hughes et al JMB (2000)
0.716668 assembly_of_protein_complexes 9	Hughes et al JMB (2000)
0.716506 recombination_and_dna_repair 10	Hughes et al JMB (2000)
0.715276 other_cell_rescue_activities 2	Hughes et al JMB (2000)
0.715263 other_vitamin_cofactor_and_prosthetic_group_activiti	Hughes et al JMB (2000)
0.714209 stress_response 8	Hughes et al JMB (2000)

0.714205 ARP 7	Hughes et al JMB (2000)
0.71341 metabolism_of_vitamins_cofactors_and_prosthetic_gro	Hughes et al JMB (2000)
0.712741 retrotransposons_and_plasmid_proteins 3	Hughes et al JMB (2000)
0.711476 ADE 3	Hughes et al JMB (2000)
0.711194 RPA 1	Hughes et al JMB (2000)
0.710598 aminoacid_transport 9	Hughes et al JMB (2000)
0.709416 proteases 3	Hughes et al JMB (2000)
0.70909 polynucleotide_degradation 1	Hughes et al JMB (2000)
0.708974 CLB 8	Hughes et al JMB (2000)
0.70881 PMT 3	Hughes et al JMB (2000)
0.708631 MSS 9	Hughes et al JMB (2000)
0.707152 SPC 4	Hughes et al JMB (2000)
0.706775 other_mrnatranscription_activities 1	Hughes et al JMB (2000)
0.706366 M4	Tavazoie et al Nat. Genetics (1999)
0.706245 chromatin_modification 4	Hughes et al JMB (2000)
0.705239 general_transcription_activities -y 4	Hughes et al JMB (2000)
0.704603 trnasynthetases 2	Hughes et al JMB (2000)
0.704511 aminoacid_transport 5	Hughes et al JMB (2000)
0.704323 respiration 7	Hughes et al JMB (2000)
0.703899 lipid_transporters 2	Hughes et al JMB (2000)
0.703747 utilization_of_vitamins_cofactors_and_prosthetic_grou	Hughes et al JMB (2000)
0.703602 other_cell_growth_cell_division_and_dna_synthesis_ar	Hughes et al JMB (2000)
0.700076 LYS 4	Hughes et al JMB (2000)

Stp2 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.937645	aminoacid_transporters 2	Hughes et al JMB (2000)
0.925541	aminoacid_transport 2	Hughes et al JMB (2000)
0.911444	STP1	Maclsaac et al 2007
0.871601	mitochondrial_organization 8	Hughes et al JMB (2000)
0.826326	organization_of_plasma_membrane 7	Hughes et al JMB (2000)
0.825407	M247	Beer et al Cell(2004)

0.821359 M386
 0.810413 M263
 0.799652 tricarboxylicacid_pathway 8
 0.769965 SNT2
 0.763202 M104
 0.741876 transcriptional_control 9
 0.728822 UME6
 0.71727 M273
 0.715608 STP4
 0.708687 M135
 0.708475 regulation_of_aminoacid_metabolism 7
 0.705954 organization_of_cytoplasm 10
 0.703605 SUT1

Beer et al Cell(2004)
 Beer et al Cell(2004)
 Hughes et al JMB (2000)
 Maclsaac et al 2007
 Beer et al Cell(2004)
 Hughes et al JMB (2000)
 Maclsaac et al 2007
 Beer et al Cell(2004)
 Maclsaac et al 2007
 Beer et al Cell(2004)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Maclsaac et al 2007

Stp4 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.842728	STP1
0.83589	M298
0.832062	RDS1_H2O2Hi_1pyi_N0
0.830779	CRZ1
0.795661	gluconeogenesis 4
0.786317	organization_of_cytoplasm 7
0.781907	regulation_of_phosphate_utilization 4
0.776125	RDS1
0.762497	anion_transporters_cl_so_po_etc 7
0.757784	meiosis 2
0.757391	meiosis.ace 3
0.753406	M82
0.753048	meiosis_orfnum2SD_n3
0.746145	UME6
0.738743	transcriptional_control 2
0.732007	organization_of_cytoplasm 3

References

Maclsaac et al 2007
 Beer et al Cell(2004)
 Morozov and Siggia PNAS (2007)
 Maclsaac et al 2007
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Maclsaac et al 2007
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Sudarsanam et al Genome Res (2002)
 Beer et al Cell(2004)
 Sudarsanam et al Genome Res (2002)
 Maclsaac et al 2007
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)

0.721134 PDR1_YPD_1pyi_TCCG_CGGA
 0.72066 recombination_and_dna_repair 3
 0.711403 aminoacid_transport 2
 0.710115 PDR1
 0.708628 glyoxylate_cycle 4
 0.700004 M470

Morozov and Siggia PNAS (2007)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Maclsaac et al 2007
 Hughes et al JMB (2000)
 Beer et al Cell(2004)

Sum1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.782506	RPC 3
0.763372	NUP 3
0.75719	trnasynthetases 4
0.746462	M27
0.731939	gtpases 6
0.729262	betaoxidation_of_fatty_acids 4
0.727009	M13
0.725577	RPC 8
0.719679	DBP 3
0.714121	RRP 2
0.709328	ERG 10
0.703377	LYS 3

References
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Tavazoie et al Nat. Genetics (1999)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Tavazoie et al Nat. Genetics (1999)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)
 Hughes et al JMB (2000)

Sut2 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.814002	peroxisomal_organization.ace 3
0.807434	peroxisomal_organization_orfnum2SD_n3
0.80542	STB5
0.801178	peroxisomal_organization 1

References
 Sudarsanam et al Genome Res (2002)
 Sudarsanam et al Genome Res (2002)
 Maclsaac et al 2007
 Hughes et al JMB (2000)

Tbf1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
---------------------------------	---------------------

References

0.78979 URA 6
0.726296 YAP 4

Hughes et al JMB (2000)
Hughes et al JMB (2000)

Tbs1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.810947	M104
0.768479	abc_transporters.ace 2
0.761545	abc_transporters_orfnum2SD_n2
0.750635	abc_transporters 6
0.726329	drug_transporters_orfnum2SD_n14
0.71513	NRG1
0.713398	LEU3
0.710862	drug_transporters.ace 14
0.709729	LEU3_SM_2ere

References

Beer et al Cell(2004)
Sudarsanam et al Genome Res (2002)
Sudarsanam et al Genome Res (2002)
Hughes et al JMB (2000)
Sudarsanam et al Genome Res (2002)
Maclsaac et al 2007
Maclsaac et al 2007
Sudarsanam et al Genome Res (2002)
Morozov and Siggia PNAS (2007)

Tea1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.827879	ECM 10
0.755782	regulation_of_aminoacid_metabolism 7
0.745994	peroxisomal_organization 1
0.732011	peroxisomal_organization.ace 3
0.728497	extracellularsecretion_proteins 6
0.719819	peroxisomal_organization_orfnum2SD_n3
0.70752	regulation_of_gprotein_activity 7

References

Hughes et al JMB (2000)
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Sudarsanam et al Genome Res (2002)
Hughes et al JMB (2000)
Sudarsanam et al Genome Res (2002)
Hughes et al JMB (2000)

Tec1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.951445	TEC1
0.70462	CST6
0.700203	key_kinases 8

References

Maclsaac et al 2007
Maclsaac et al 2007
Hughes et al JMB (2000)

Tye7 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.989149	aminoacid_metabolism 6	Hughes et al JMB (2000)
0.986461	CBF1_SM_1an2	Morozov and Siggia PNAS (2007)
0.986142	TYE7_YPD_1an2	Morozov and Siggia PNAS (2007)
0.985645	CBF1	Beer et al Cell(2004)
0.985559	TYE7	Maclsaac et al 2007
0.984926	CBF1	Maclsaac et al 2007
0.981614	MET 1	Hughes et al JMB (2000)
0.98149	aminoacid_biosynthesis 4	Hughes et al JMB (2000)
0.977415	CBF1_SM_2dgc	Morozov and Siggia PNAS (2007)
0.976495	MET4_SM_1an2	Morozov and Siggia PNAS (2007)
0.948203	TYE7_YPD_1am9	Morozov and Siggia PNAS (2007)
0.929945	MET28_YPD_1an2	Morozov and Siggia PNAS (2007)
0.928164	regulation_of_aminoacid_metabolism 6	Hughes et al JMB (2000)
0.921873	PHO4	Maclsaac et al 2007
0.900207	MET4_SM_2dgc	Morozov and Siggia PNAS (2007)
0.884734	PHO4_Pi-_1a0a	Morozov and Siggia PNAS (2007)
0.874212	INO4_YPD_1nkp	Morozov and Siggia PNAS (2007)
0.842182	INO2_YPD_1nkp	Morozov and Siggia PNAS (2007)
0.832361	INO2	Maclsaac et al 2007
0.82163	regulation_of_amino-acid_metabolism.ace 5	Sudarsanam et al Genome Res (2002)
0.820675	regulation_of_amino-acid_metabolism_orfnum2SD_n5	Sudarsanam et al Genome Res (2002)
0.791424	Cbf1_s	Tavazoie et al Nat. Genetics (1999)
0.721328	HMS1_YPD_1an2	Morozov and Siggia PNAS (2007)

Ume6 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.989021	transcriptional_control 2	Hughes et al JMB (2000)
0.972583	meiosis_orfnum2SD_n3	Sudarsanam et al Genome Res (2002)
0.972339	meiosis.ace 3	Sudarsanam et al Genome Res (2002)

0.971908 meiosis 2	Hughes et al JMB (2000)
0.96529 protein_kinase 6	Hughes et al JMB (2000)
0.964536 organization_of_cytoplasm 7	Hughes et al JMB (2000)
0.963214 UME6	Maclsaac et al 2007
0.956281 nuclear_organization 10	Hughes et al JMB (2000)
0.953352 meiosis 5	Hughes et al JMB (2000)
0.950505 sporulation_and_germination 5	Hughes et al JMB (2000)
0.947783 transcriptional_control 7	Hughes et al JMB (2000)
0.946573 Ume6	Beer et al Cell(2004)
0.946573 Ume6_orfnum2SD_n1	Sudarsanam et al Genome Res (2002)
0.943175 Ume6.ace 1	Sudarsanam et al Genome Res (2002)
0.940139 recombination_and_dna_repair 3	Hughes et al JMB (2000)
0.926476 heat_shock 6	Hughes et al JMB (2000)
0.890348 regulation_of_aminoacid_metabolism 7	Hughes et al JMB (2000)
0.879558 biogenesis_of_chromosome_structure 6	Hughes et al JMB (2000)
0.875883 heat_shock 10	Hughes et al JMB (2000)
0.869046 transcription_factors 3	Hughes et al JMB (2000)
0.844575 RPL 9	Hughes et al JMB (2000)
0.818658 M135	Beer et al Cell(2004)
0.789717 other_energy_generation_activities 5	Hughes et al JMB (2000)
0.776659 PDR1_YPD_1pyi_TCCG_CGGA	Morozov and Siggia PNAS (2007)
0.770497 STP1	Maclsaac et al 2007
0.752899 PDR1	Maclsaac et al 2007
0.752023 cell_cycle_control_and_mitosis 7	Hughes et al JMB (2000)
0.749894 aminoacid_transporters 2	Hughes et al JMB (2000)
0.748193 aminoacid_transport 2	Hughes et al JMB (2000)
0.747174 vacuolar_and_lyosomal_organization 8	Hughes et al JMB (2000)
0.743815 HAC1_YPD_1dh3	Morozov and Siggia PNAS (2007)
0.741789 carbohydrate_utilization 8	Hughes et al JMB (2000)
0.739788 STB5_YPD_1pyi_TCCG_CGGA	Morozov and Siggia PNAS (2007)
0.736929 SPT 3	Hughes et al JMB (2000)
0.73382 HSP 5	Hughes et al JMB (2000)

0.729133	metal_ion_transporters.ace	26	Sudarsanam et al	Genome Res (2002)
0.727966	stress_response	10	Hughes et all	JMB (2000)
0.727033	other_energy_generation_activities_orfnum2SD_n4		Sudarsanam et al	Genome Res (2002)
0.725248	metal_ion_transporters_orfnum2SD_n26		Sudarsanam et al	Genome Res (2002)
0.718753	RPN4		Maclsaac et al	2007
0.718361	glucose_metabolism	7	Hughes et all	JMB (2000)
0.71576	peroxisomal_organization	6	Hughes et all	JMB (2000)
0.708264	other_nutritionalresponse_activities	7	Hughes et all	JMB (2000)
0.704536	REB1_YPD_1w0t_A		Morozov and Siggia	PNAS (2007)
0.703568	organization_of_cytoplasm	4	Hughes et all	JMB (2000)
0.70245	peroxisomal_organization	1	Hughes et all	JMB (2000)

Usv1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.979932	glycolysis	8 Hughes et all JMB (2000)
0.844002	MSN2	Maclsaac et al 2007
0.835889	MSN4	Maclsaac et al 2007
0.829147	metabolism_of_energy_reserves_glycogen_trehalose	Hughes et all JMB (2000)
0.828124	M343	Beer et al Cell(2004)
0.764755	MSN24a	Beer et al Cell(2004)
0.758233	metabolism_of_energy_reserves_glycogen_trehalose	Hughes et all JMB (2000)
0.757935	STRE	Tavazoie et al Nat. Genetics (1999)
0.750976	MSN24	Beer et al Cell(2004)
0.747873	M635	Beer et al Cell(2004)
0.734387	M613	Beer et al Cell(2004)
0.717528	RPH1	Maclsaac et al 2007
0.706179	M347	Beer et al Cell(2004)

Xbp1 PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.93693	XBP1	Beer et al Cell(2004)

0.913881 XBP1
 0.847318 carbohydrate_utilization 5
 0.81658 nitrogen_and_sulphur_utilization 9
 0.755061 M507
 0.745732 YER051W
 0.701087 glucose_metabolism 8

Maclsaac et al 2007
 Hughes et all JMB (2000)
 Hughes et all JMB (2000)
 Beer et al Cell(2004)
 Maclsaac et al 2007
 Hughes et all JMB (2000)

Yap1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.975718	CIN5_H2O2Lo_1gd2
0.959194	YAP6_YPD_1gd2
0.955024	CIN5
0.930477	YAP7_H2O2Hi_1gd2
0.914483	YAP6
0.816717	CIN5
0.756886	SPT2
0.715993	SKO1_YPD_1dh3
0.713358	SKO1

References
 Morozov and Siggia PNAS (2007)
 Morozov and Siggia PNAS (2007)
 Maclsaac et al 2007
 Morozov and Siggia PNAS (2007)
 Maclsaac et al 2007
 Beer et al Cell(2004)
 Maclsaac et al 2007
 Morozov and Siggia PNAS (2007)
 Maclsaac et al 2007

Yap6 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.982443	CIN5_H2O2Lo_1gd2
0.9536	CIN5
0.950547	YAP6_YPD_1gd2
0.902031	YAP6
0.887009	CIN5
0.885249	YAP7_H2O2Hi_1gd2
0.743182	SPT2
0.741364	SKO1_YPD_1dh3
0.733862	SKO1

References
 Morozov and Siggia PNAS (2007)
 Maclsaac et al 2007
 Morozov and Siggia PNAS (2007)
 Maclsaac et al 2007
 Beer et al Cell(2004)
 Morozov and Siggia PNAS (2007)
 Maclsaac et al 2007
 Morozov and Siggia PNAS (2007)
 Maclsaac et al 2007

Ybr239c PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.793578	GAL 9
0.741136	heat_shock 3
0.718228	HSP 1
0.714968	HSF1
0.714394	heat_shock 1

References

Hughes et al JMB (2000)
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Beer et al Cell(2004)
Hughes et al JMB (2000)

Ydr520c PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.764788	STB5
0.730735	PEX 10
0.730694	peroxisomal_organization.ace 3
0.72953	peroxisomal_organization_orfnum2SD_n3
0.712726	ATP 10
0.702397	YDR520C
0.70116	PEX 7

References

Maclsaac et al 2007
Hughes et al JMB (2000)
Sudarsanam et al Genome Res (2002)
Sudarsanam et al Genome Res (2002)
Hughes et al JMB (2000)
Maclsaac et al 2007
Hughes et al JMB (2000)

Yer130c PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.900649	pentosephosphate_pathway 3
0.818401	M635
0.815581	MSN2
0.786367	FRE 3
0.784089	MSN4
0.769229	other_protein-destination_activities.ace 7
0.766525	metabolism_of_energy_reserves_glycogen_trehalose 6
0.764885	DAL 10
0.743703	M186
0.73605	HSP 3
0.735581	other_protein-destination_activities_orfnum2SD_n7

References

Hughes et al JMB (2000)
Beer et al Cell(2004)
Maclsaac et al 2007
Hughes et al JMB (2000)
Maclsaac et al 2007
Sudarsanam et al Genome Res (2002)
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Beer et al Cell(2004)
Hughes et al JMB (2000)
Sudarsanam et al Genome Res (2002)

0.729062 KTR 3	Hughes et al JMB (2000)
0.728989 STRE	Tavazoie et al Nat. Genetics (1999)
0.722577 Gis1	Beer et al Cell(2004)
0.722286 M75	Beer et al Cell(2004)
0.718464 YAP 4	Hughes et al JMB (2000)
0.717365 atpase 7	Hughes et al JMB (2000)
0.715543 M622	Beer et al Cell(2004)
0.714637 M619	Beer et al Cell(2004)
0.709676 MSN24	Beer et al Cell(2004)
0.705696 M653	Beer et al Cell(2004)
0.700664 pentosephosphate_pathway 5	Hughes et al JMB (2000)

Ygr067c PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.946997 HXT 2		Hughes et al JMB (2000)
0.926236 c-compound_carbohydrate_transport.ace 2		Sudarsanam et al Genome Res (2002)
0.920389 c-compound_carbohydrate_transport_orfnum2SD_n2		Sudarsanam et al Genome Res (2002)
0.898977 carbohydrate_transport 1		Hughes et al JMB (2000)
0.829303 SUT1		Maclsaac et al 2007
0.809574 sugar_and_carbohydrate_transporters 2		Hughes et al JMB (2000)
0.769625 MIG1		Beer et al Cell(2004)
0.762182 YAP 3		Hughes et al JMB (2000)
0.760581 lysosomal_and_vacuolar_degradation 6		Hughes et al JMB (2000)
0.748477 ROX1		Maclsaac et al 2007
0.731265 M613		Beer et al Cell(2004)
0.724997 vesicular_transport_golgi_network_etc 1		Hughes et al JMB (2000)
0.711774 gtpases 4		Hughes et al JMB (2000)
0.71076 TIF 10		Hughes et al JMB (2000)
0.708412 REB1_YPD_1w0t_A		Morozov and Siggia PNAS (2007)
0.706115 organization_of_intracellular_transport_vesicles 4		Hughes et al JMB (2000)
0.705096 M662		Beer et al Cell(2004)
0.705086 regulation_of_aminoacid_metabolism 8		Hughes et al JMB (2000)

Ykl222c PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.793529	RGT1	Maclsaac et al 2007
0.768241	other_mrnatranscription_activities 3	Hughes et all JMB (2000)
0.739066	peroxisomal_organization.ace 3	Sudarsanam et al Genome Res (2002)
0.733442	peroxisomal_organization_orfnum2SD_n3	Sudarsanam et al Genome Res (2002)
0.733235	STB5	Maclsaac et al 2007
0.707108	OAF1	Beer et al Cell(2004)
0.707108	peroxisomal_organization_orfnumA2SD_n3	Sudarsanam et al Genome Res (2002)
0.701882	peroxisomal_organization 1	Hughes et all JMB (2000)

Yli054c PBM motif matches:

No PBM motif matches found.

Yml081w PBM motif matches:

Pearson correlation coefficient	Matching motif name	References
0.946237	SUT1	Maclsaac et al 2007
0.915162	HXT 2	Hughes et all JMB (2000)
0.893072	c-compound_carbohydrate_transport.ace 2	Sudarsanam et al Genome Res (2002)
0.886479	c-compound_carbohydrate_transport_orfnum2SD_n2	Sudarsanam et al Genome Res (2002)
0.859206	carbohydrate_transport 1	Hughes et all JMB (2000)
0.825977	MIG1	Maclsaac et al 2007
0.807949	YAP 3	Hughes et all JMB (2000)
0.802828	lysosomal_and_vacuolar_degradation 6	Hughes et all JMB (2000)
0.788346	ROX1	Maclsaac et al 2007
0.77601	sugar_and_carbohydrate_transporters 2	Hughes et all JMB (2000)
0.755501	regulation_of_aminoacid_metabolism 8	Hughes et all JMB (2000)
0.752809	M662	Beer et al Cell(2004)
0.732599	MIG1	Beer et al Cell(2004)
0.727961	M273	Beer et al Cell(2004)

0.72257 M613
 0.718976 vesicular_transport_golgi_network_etc 1
 0.718069 ACE2
 0.713983 PDR3_YPD_1pyi_TCCG_CGGA
 0.707321 mitochondrial_organization 4
 0.703782 M435
 0.700471 organization_of_intracellular_transport_vesicles 4

Beer et al Cell(2004)
 Hughes et all JMB (2000)
 Maclsaac et al 2007
 Morozov and Siggia PNAS (2007)
 Hughes et all JMB (2000)
 Beer et al Cell(2004)
 Hughes et all JMB (2000)

Ynr063w PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.758483	M281
0.740529	ATP 10
0.70503	peroxisomal_organization.ace 3

References
 Beer et al Cell(2004)
 Hughes et all JMB (2000)
 Sudarsanam et al Genome Res (2002)

Yox1 PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.822483	YHP1
0.741096	betaoxidation_of_fatty_acids 4
0.734895	peroxisomal_transport_orfnum2SD_n15
0.733496	peroxisomal_transport.ace 15
0.720176	HIS 8
0.712708	PHO2
0.70545	APL 8

References
 Maclsaac et al 2007
 Hughes et all JMB (2000)
 Sudarsanam et al Genome Res (2002)
 Sudarsanam et al Genome Res (2002)
 Hughes et all JMB (2000)
 Maclsaac et al 2007
 Hughes et all JMB (2000)

Ypr013c PBM motif matches:

Pearson correlation coefficient	Matching motif name
0.712249	Matalpha2_Vershon.ace 1
0.70398	PEX 6
0.702765	Matalpha2_Vershon_orfnum2SD_n1

References
 Sudarsanam et al Genome Res (2002)
 Hughes et all JMB (2000)
 Sudarsanam et al Genome Res (2002)

Ypr015c PBM motif matches:

Pearson correlation coefficient Matching motif name
0.71177 APL 8

References
Hughes et al JMB (2000)

Ypr196w PBM motif matches:

Pearson correlation coefficient Matching motif name
0.827351 RGT1
0.797177 PRE 7
0.782782 proteolysis 9
0.736712 ATP 10
0.73257 sugar_and_carbohydrate_transporters 5
0.729594 REB1
0.728903 REB1_YPD_1w0t_A
0.726789 HXT 4
0.710231 other_mrnatranscription_activities 3
0.702904 STB2

References
Maclsaac et al 2007
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Maclsaac et al 2007
Morozov and Siggia PNAS (2007)
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Maclsaac et al 2007

Yrm1 PBM motif matches:

Pearson correlation coefficient Matching motif name
0.828455 RGT1
0.793477 other_mrnatranscription_activities 3
0.734982 HXT 4
0.718408 regulation_of_aminoacid_metabolism 7
0.717314 organization_of_golgi 7
0.713395 HXT 7
0.712396 abc_transporters 3
0.707988 STB 10
0.703676 cellular_import 7

References
Maclsaac et al 2007
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Hughes et al JMB (2000)
Hughes et al JMB (2000)

Yrr1 PBM motif matches:

Pearson correlation coefficient Matching motif name
0.827346 RGT1

References
Maclsaac et al 2007

0.810903 other_mrnatranscription_activities 3	Hughes et al JMB (2000)
0.773236 abc_transporters 3	Hughes et al JMB (2000)
0.771197 organization_of_golgi 7	Hughes et al JMB (2000)
0.750658 regulation_of_aminoacid_metabolism 7	Hughes et al JMB (2000)
0.750147 abc 2	Hughes et al JMB (2000)
0.739002 RPS 4	Hughes et al JMB (2000)
0.737629 cellular_import 7	Hughes et al JMB (2000)
0.733446 detoxificaton 5	Hughes et al JMB (2000)
0.727043 organization_of_golgi 10	Hughes et al JMB (2000)
0.719388 RIB 10	Hughes et al JMB (2000)
0.712244 cyclins 7	Hughes et al JMB (2000)
0.709631 STB 10	Hughes et al JMB (2000)
0.708678 PDR 2	Hughes et al JMB (2000)
0.703257 RIM 2	Hughes et al JMB (2000)
0.702311 MRP 10	Hughes et al JMB (2000)
0.701868 lipid_and_fattyacid_transport 2	Hughes et al JMB (2000)