Table S6. Comparison of *in vivo* motifs (MacIsaac et al. 2006) and *in vitro* motifs (selected from this study, Zhu et al. 2009, or Badis et al. 2008) for 150 *S. cerevisiae* TFs. TFs for which the *in vivo* and *in vitro* motifs are different are marked in red font.

No.	TF	In vivo motif (MacIsaac et al.)	In vitro PBM motif (primary)	In vitro PBM motif (secondary)
1	Abf1	Rbf1_maciseac	RbF1_murphy 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	
2	Abf2		## 1.0 CTACA 0.0 1 2 3 4 5 6	
3	Ace2	Re2_macissac	ReeZ_badis 2.0 1.0 ACCACCA 0.0 1 2 3 4 5 6 7 8 9	
4	Adr1	Rdri_macissac (reverse comp	Rdr1_badis 2.0 2.0 1.0 0.0 1.2 3 4 5 6	
5	Aft1	### 1.0	1.0 TCACC 1.0 1 2 3 4 5 6 7 6 9 10	
6	Aft2	### 1.0	AFT2_badis 2.0 1.0 CACCC 0.0 1 2 3 4 5 6	
7	Aro80	From Continue (reverse consistent)	1.0 2.0 0.0 1 2 3 4 5 6 7 6	
8	Asg1		Reg1_zhu 20 1.0 CGG CGG 0.0 1 2 3 4 5 6 7 0 9 10 11 12 13 14 15	
9	Azf1	#2FLmaclasac (reverse conglement) #2 1.0	Rzf1_badis 2.0 1.0 1.0 1.2 3.4 5 6 7 0 9	
10	Bas1	Basi_macisaac (reverse complement) 2.0 4.0	1.0 CACTOA 1.0 1 2 3 4 5 6 7 8 9 10 11 12	
11	Cad1	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	Cad1_secondary_murphy 2.0 2.0 1.0 1.0 1.2 3 4 5 6 7 8 9
12	Cat8		Cot8_badis 2.0 1.0 1.0 1.2 2.3 4.5	
13	Cbf1	0.0 1 2 3 4 5 6 7 0	2.0 2.0 4.0 1.0 1.0 1.0 1.2 3 4 5 6	
14	Cep3		Cep3_badis 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	
15	Cha4	Cha4_macisaac	Cha4_zhu 2.0 1.0 1.0 1.0 1.0 1.2 3 4 5 6 7 8 9	

No.	TF	In vivo motif (MacIsaac et al.)	In vitro PBM motif (primary)	In vitro PBM motif (secondary)
16	Cin5	Cin5_macisaac 2.0 2.0 2.1 2.0 2.1 2.0 2.1 2.0 2.1 2.0 2.1 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	1.0 TTACGTAA	
17	Crz1	Cr21_macisaac (reverse complement) 2.0 1.0 7 6 5 4 7 7 6 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	CTAAGCCCCCT	
18	Cst6	Cst6_macisasc 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	2.0 2.0 1.0 1.0 1.2 3 4 5 6 7 8 9 10	0.0 1 2 3 4 5 6 7 8 9 10
19	Cup9		2.0 2.0 1.0 4ATOTOTOA 0.0 1 2 3 4 5 6 7 8 9 10 11	
20	Dal80	Da180_macisaac 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	1.0 CATAAS 0.0 1 2 3 4 5 6 7	
21	Dal82	Da182_macisaac 2.0 1.0 1.0 1.2 3 4 5 6 7 8 9	1.0 AAT 5 6 7 8 9 10	
22	Ecm22	Ecm22_macisaac 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	2.0 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	Ecm22_secondary_murphy (reverse complet 2.0
23	Ecm23		Ecm23_badis 2.0 1.0 AGATOT 0.0 1 2 3 4 5 6 7 8 9 10 11	
24	Fhl1	Fh11_macisaac 2.0 1.0 1.0 1.2 3.0 1.0 1.2 3.4 5.6 7.6 9.10	Fh11_zhu 2.0 1.0 SACCCA 0.0 1 2 3 4 5 6 7 6	
25	Fkh1	Fkh1_macisaac 2.0 1.0 1.0 1.0 1.2 2.3 4.5 6.7 6	2.6 2.6 1.0 1.0 1.2 3 4 5 6 7 6 9 10	
26	Fkh2	Fkh2_macisaac 2.0 1.0 1.0 1.2 1.0 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Fkh2_zhu 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	
27	Fzf1		Fzf1_badis 2.0 1.0 1.0 1.2 2.3 4.5 6	
28	Gal4	5014_moc1soc 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	Gal 4_27bu	
29	Gat1	GATIAGE 1.0 GATIA	Gati_zhu (reverse complement) 2.0 1.0 9.0 9.0 7.6 5.4 3.2 1	1.0 1 2 3 4 5 6 7 6
30	Gat3	Gat3_macisasc 2.0 1.0 1.0 1.2 3 4 5 6 7 6	GATOTAC 1.0 LCATOTAC 1.0 1.2 3.4 5.6 7.0 9	1.0 CATOTIE
31	Gat4		1.0 TACATCTA	

No.	TF	In vivo motif (MacIsaac et al.)	In vitro PBM motif (primary)	In vitro PBM motif (secondary)
32	Gcn4	GCn4_macisaac 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	1.0 TCASTCAE	Gen4_secondary_zhu 2.0 1.0 1 2 3 4 5 6 7 8 9 10 11
33	Gcr1	GC1_macisaac (reverse complement) 2.0 1.0	6c1_murphy 2.0 1.0 1.2 3 4 5 6 7 6 9 10 11 12	
34	Gis1		1.0 CCCTAA	
35	Gln3	GIn3_macissac	Ging_badis (reverse complement) 2.0 1.0 7 6 5 4 3 2 1	
36	Gsm1		1.0 A CTCCCA 1.0 A 5 6 7 6 9 10	
37	Gzf3	Gzf3_macisaac 2.0 1.0 GATAAG 0.0 1 2 3 4 5 6	1.0 CATAAC 1.0 1.2 3 4 5 6 7 8 9	
38	Hac1	Hac1_mac1saac 2.0 1.0 ACCCACCTA 0.0 1 2 3 4 5 6 7 6 9 10	Hac1_badis 2.0 1.0 CACGT 0.0 1.2 3 4 5 6 7	
39	Hal9		Hal3-grhu 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	
40	Нар1	Hap1_macisaac 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	Hap1_murphy 2.0 1.0 CCC_TA CCCCC 1.2 3 4 5 6 7 0 9 40 11 12 13	Hap1_secondary_murphy 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1
41	Hcm1		Hcm1_badis 2.0 1.0 2.7 2.0 1.0 2.7 2.0 1.0 2.7 2.0 1.0 2.7 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	
42	Hmlalpha2		HnlalphaZ_murphy 2.0 4.0 1.0 1.0 1.0 1.0 1.0 1.0 1	Hnlalpha2_secondary_murphy (reverse co
43	Hmra2		######################################	
44	Hsf1	Hsf1_macisaac 2.0 1.0 CAA 1 2 3 4 5 6 7 8 9 10 11 12 13 14	Hef1_badis 2.0 1.0 1.0 1.2 3 4 5 6 7	
45	Leu3	Leu3_maci saac 2.0 CCCC CCCC 1.0 CCCCC CCCC 0.0 1 2 3 4 5 6 7 8 9 10	Leu3_zhu 2.0 1.0 ACCGG 0.0 1 2 3 4 5 6 7 8 9	Levid. secondary, 27th
46	Lys14		Lys14_zhu 2.0 1.0 AATTCCC 0.0 1.2 3 4 5 6 7 0 9	Lys14_secondary_zhu 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.
47	Matalpha2		Matalpha2_zhu 2.0 4 1.0 ACAATAG 0.0 1 2 3 4 5 6 7 8	

No.	TF	In vivo motif (MacIsaac et al.)	In vitro PBM motif (primary)	In vitro PBM motif (secondary)
48	Mbp1	Mbp1_macisasc 2.0 1.0 1.0 1.2 3 4 5 6 7	Mbp1_zhu 2.0 1.0 ACCCT 1.2 3 4 5 6 7 8 9	
49	Mcm1	Mcsl_macisaac 2.0 1.0 1.0 1.2 3 4 5 6 7 8 9 10 11 12 13 14 15	Mcm1_zhu 2.0 3	
50	Met31	Met31_macisaac 2.0 1.0 2.0 1.0 1.2 2.3 4.5 6	Met31_badis 2.0 1.0 1.0 1.2 1.2 1.2 1.2 1.3 1.5 1.5 1.5 1.5 1.5 1.5 1.5	
51	Met32	Met32_macisaac 3 1.0 A TGTGGG 0.0 1 2 3 4 5 6 7 8 9 10	Met32_badis (reverse complement 2.0	
52	Mga1		Mgal_zhu 2.0 3 1.0 6.0 1 2 3 4 5 6 7	Mga1_secondary_zhu 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
53	Mig1	Migl_macisasc 2.2 1.0 1.0 1.2 3 4 5 6 7 8 9 10	Mig1_zhu 2.0 1.0 1.0 1.2 3 4 5 6 7 8 9 10 11	
54	Mig2		Mig2_zhu (reverse complement)	Mig2_secondary_zhu 2,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1
55	Mig3		Nig3_zhu (reverse complement) 2.0 1.0 1.1 10 9 8 7 6 5 4 3 2 1	
56	Mot3	Mot3_macisasc 2.0-AGGGA 0.0-1 2 3 4 5	Mot3_murphy 2.0 1.0 AGGCAQ SOLUTION 1.0 1.2 3 4 5 6 7 8 9	Mot3_secondary_murphy 2,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1
57	Msn1		Mon1_murphy 2.0 1.0 1.2 3 4 5 6 7 8 9 10 11	Men1_secondary_murphy 2.0 1.0 0.0 1 2 3 4 5 6 7 8 9 10 11
58	Msn2	Msn2_macisasc 2.0 AGGGG 0.0. 1.0 1.2 3.4 5.6	Man2_badis 2.0 1.0 CGGG 0.0 1.2 3 4 5	
59	Msn4	Msn4_macissac 2.0 3 1.0 	Mand_badis 2.0 3 1.0 AGGGG 1 2 3 4 5	
60	Ndt80		Ndt80_zhu 2.0 1.0 1.0 1.2 2.3 4.5 6.7 8.9	
61	Nhp10		Nhp10_badis 2.0 1.0 1.0 1.2 3 1.0 1.2 3 4 5 6 7 6	
62	Nhp6a		Nhp6a_zhu 2.0 1.0 1.0 1.2 3 1.0 1.2 3 4 5 6 7	
63	Nhp6b		Nhp6b_zhu 2.0 1.0 1.2 1.0 1.2 2.1 2.1 2.1 2.1 2.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3	

No.	TF	In vivo motif (MacIsaac et al.)	In vitro PBM motif (primary)	In vitro PBM motif (secondary)
64	Nrg1	Nrg1_macisaac (reverse complement) 2.0 1.0 7 6 5 4 3 2 1	Nrg1_zhu 2.0 1.0 ACCCTCC 1.2 3 4 5 6 7 8 9	
65	Nrg2		Nrg2_murphy 2.0 1.0 1.0 1.0 1.2 3.4 5.6 7.8	
66	Oaf1		0af Lbadis 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	
67	Pbf1		Pbf1_zhu 2.0 3	Pbfl_secondary_zhu (reverse complement
68	Pbf2		PbF2_zhu 2.0 3 1.0 1 2 3 4 5 6 7 8 9 10	Pbf2_secondary_zhu (reverse complement
69	Pdr1	Pdr1_macissac 2.0 1.0 1.0 1.0 1.2 2.3 1.0 1.0 1.2 1.0 1.2 1.0 1.0 1.0	Pdr1_badis 2.0 1.0 1.0 1.2 2.3 4.5 6.7	
70	Pdr3	Pdr3_macisasc 2.0- 1.0- 1.0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Pdr3_murphy 2.0 1.0 1.0 1.2 2.0 1.2 3.4 5.6 7.6 9.10	Pdr3_secondary_murphy 2.0 1.0 1.0 1.2 3.4 5.6 7.8 9.10
71	Pdr8		Pdr8_badis (reverse complement) 2.0 1.0 7 6 5 4 3 2 1	
72	Phd1	Phd1_macisasc (reverse compleme 2.0	Phd1_zhu 2.0 1.0 0.0 1.2 3 4 5 6 7 8 9	
73	Pho2	Pho2_maci saac 2.0 1.0 1 2 3 4 5 6	Pho2_badis 2.0 1.0 1.0 1.2 3 4 5 6 7 8	
74	Pho4	Pho4_maci saac 2.0 1.0 CACGTC 0.0 1.2 3 4 5 6 7	Pho4_zhu 2.0 1.0 1.0 1.0 1.2 2.3 4.5 6.7 8	Pho4_secondary_zhu 2.0 1.0 1.0 1.2 2.3 4.5 6.7 8.9
75	Put3	Put3_macisaac 2.0 1.0 CGGGAAGCCA 0.0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Put3_badis 2.0 1.0 1.0 1.0 1.2 2.3 4.5 6	
76	Rap1	Rap1_macisac (reverse complement) 2.0 1.0 2.0 11 10 9 8 7 6 5 4 3 2 1	Rap1_zhu 2.0 1.0 GCTGTAC 1.0 1.2 3 4 5 6 7 8 9 10	
77	Rdr1		Rdr1_zhu 2.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0	
78	Rds1	Rds1_maci saac 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	Rds1_zhu 2.0 1.0 1.0 1.0 1.2 3.4 5.6 7.8	Rdsi_secondary_zhu (reverse complement)
79	Rds2		Rds2_badis 2.0 1.0 1.0 1.2 3 4 5 6	

No.	TF	In vivo motif (MacIsaac et al.)	In vitro PBM motif (primary)	In vitro PBM motif (secondary)
80	Reb1	Rebi_macisaac 2.0 1.0 1.0 1.2 3.4 5.6 7.8	Reb1_badis 2.0 2.0 2.1 2.0 1.0 1.2 3 4 5 6 7 8	
81	Rei1		Reil_badis 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	
82	Rfx1	Rfx1_macisaac 2.0 1.0 CT_GCATGCAAC 0.0 1 2 3 4 5 6 7 8 9 10 11 12 13 14	Rfx1_badis 2.0 2.1	
83	Rgm1		Rgm1_badis 2.0 2.0 1.0 1.0 1.2 3 4 5 6 7 8 9	Rgm1_secondary_badis 2.0 1.0 CTGCCTGA 0.0 1 2 3 4 5 6 7 8 9
84	Rgt1	Rgil_macisaac (reverse complement) 2.0 2.0 2.0 1.0 1.0 1.0 1.0 1.0	Rgt1_badis 2.0 2.1 2.0 1.0 1.2 3 4 5 6 7 6	
85	Rim101	### 1.0 TCCCAAG 0.0 1 2 3 4 5 6 7	Rim101_badis 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	
86	Rox1	Rov1_macisaac 2.0 1.0 1.0 1.2 3.4 5 6 7 0 9	Rox1_badis 2.0 4 1.0 4 ACAAT 0.0 1 2 3 4 5	
87	Rph1	### 1.0 CCCCTT AACC 0.0 1 2 3 4 5 6 7 8 9 10	Rph1_badis 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	
88	Rpn4	Pgrd_macisaac 2.0 1.0 1.0 1.2 2.7 1.0 1.2 2.7 1.0 1.2 2.7 1.0 1.2 1.0 1.2 1.0 1.2 1.0 1.2 1.0 1.2 1.0 1.2 1.0 1.2 1.0 1.2 1.0 1.0	Rpn4_badis 2.0 1.0 1.0 1.2 3 4 5 6 7	
89	Rsc3		Rec3_zhu 2.0 2.0 2.0 1.0 0.0 1.2 3 4 5 6 7 8	
90	Rsc30		8e30_zhu 2.0 1.0 0.0 1 2 3 4 5 6 7 8 9 10	
91	Rtg3	Rtg3_macisaac 2.0 1.0-1 TCAC_C 0.0-1 2 3 4 5 6 7	Rtg3_zhu 2.0 4.0 5 1.0 6 CACGTG 1 2 3 4 5 6 7 8	
92	Sfl1	\$\frac{9}{20} \qua	\$\frac{20}{20}\$ \tag{1.0}{1.2}\$	
93	Sfp1	SFp1_macisaac 2.0 1.0 1	SFP1_zhu 2.0 2.0 1.0 2.0 1.0 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	
94	Sig1		Sigl_badis 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	
95	Sip4	Sip4_macisaac (reverse complement)	Sip4_badis 2.0 1.0 1.0 1.2 3 4 5 6 7	

No.	TF	In vivo motif (MacIsaac et al.)	In vitro PBM motif (primary)	In vitro PBM motif (secondary)
96	Skn7	Skn7_macisanc 2.0 1.0 1.0 1.0 1.2 3 4 5 6 7 8	Skn7_badis 2.0 1.0 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	
97	Sko1	Sko1_macisaac (reverse complement) 2.0	8ko1_murphy 2.0 ATGACGTA 0.0 1 2 3 4 5 6 7 8	8ko1_secondary_murphy 2.0 1.0 TGACGTCA 0.0 1.2 3 4 5 6 7 6
98	Smp1	Smp1_macisasc 2.0 ACTACTA TAG	Snp1_zhu 2.0 1.0 1.2 3 4 5 6 7 8 9 10 11 12 13	
99	Sok2	Sck2_macissac 2.0 1.0 CAGGAS 1.0 1.2 3.4 5.6 7.8	Sok2_badis 2.0 1.0 1.2 2.3 4.5 6.7 8	
100	Spt15		\$pt15_zhu 2.0 1.0 ATATATA 0.0 1.2 3 4 5 6 7 8 9	
101	Srd1		Srd1_badis 2.0 1.0 CATCI 0.0 1.2 3 4 5 6	
102	Stb3		1.0 0.0 1 2 3 4 5 6 7 0 9 10 11	Stb3_secondary_zhu 2,0 1.0 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1
103	Stb4	\$\frac{2.6}{62}\$ \frac{2.6}{1.0}\$ \frac{2.6}{1.0}\$ \frac{2.6}{1.0}\$ \frac{2.6}{1.0}\$ \frac{2.6}{1.0}\$ \frac{2.6}{1.0}\$ \qua	\$1.0 ATCCCA 0.0 1 2 3 4 5 6 7 6	Stb4_secondary_murphy 2,0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.
104	Stb5	1.0 CG STA	1.0 CCC_GTTATA 0.0 1 2 3 4 5 6 7 8 9 10	Stb5_secondary_murphy (reverse complement) 2.0
105	Ste12	1.0 1.0 1.0 1.2 3 4 5 6 7	1.0 1 2 3 4 5 6 7 6	
106	Stp1	Stp1_macisaac (reverse complement)	\$tp1_murphy 2.0 1.0 GCCCCTAGE 0.0 1 2 3 4 5 6 7 8 9	
107	Stp2		\$1.0 GCCCGA	
108	Stp3		\$tp3_badds 2.0 1.0 CCCTACC 0.0 1.2 3 4 5 6 7 8	
109	Stp4	Stp4_macisaac 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	\$1.0 ACCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Stp4_secondary_zhu (reverse complement) 2.0
110	Sum1	Sun1_macisaac 2.0 1.0 1.0 1.2 3.4 5 6 7 6 9 10	Sun1_zhu 2.0 1.0 4.0 1.2 3 4 5 6 7 6	
111	Sut1	Suti_macissac 2.0 1 1.0 1 2 3 4 5 6 7	suti_murphy 2.0 1.0 1.0 1.2 3 4 5 6 7 0 9 10	

No.	TF	In vivo motif (MacIsaac et al.)	In vitro PBM motif (primary)	In vitro PBM motif (secondary)
112	Sut2		Sut2_zhu 2.0 1.0 1.0 1.2 3.4 5.6 7.8 9.10	
113	Swi4	Sul4_macisaac 2.0 2.0 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	Sui4_badis 2.0 1.0 1.0 1.2 3 4 5 6 7 8	
114	Swi5	Sw15_macisaac 2.0 1.0 1.0 1.0 1.2 3 4 5 6	S#15_badis 2.0 = 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	
115	Tbf1		### 1.0 A C C C T A A	Tbf1_secondary_zhu 2.0 3
116	Tbs1		Tbs1_zhu ## 1.0 CGGATCCC 1 2 3 4 5 6 7 8 9 10	Tbs1_secondary_zhu 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1
117	Tea1		Tesi_zhu 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Tesi_secondary_zhu 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0
118	Tec1	Tecl_macissec	Teci_badis 2.0 2.0 2.0 2.0 1.0 1.2 3.4 5.6 7	
119	Tos8		Toss_badis 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	
120	Tye7	Tye7_macissec	Tye7_zhu 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Tye7_secondary_zhu 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1
121	Uga3	Uga3_macisasc 2	Ugs3_badis 2.0 2.0 1.0 1.0 1.2 2.3 4.5 6.7	
122	Ume6	Ume6_macisaac (reverse complement) 2.0 2.0 2.0 2.0 2.0 3.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	Une6_zhu 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	Une6_secondary_zhu
123	Upc2		Upc2_murphy 2.0 1.0 1.0 1.2 2.3 4.5 6.7 8.9	Upc2_secondary_murphy (reverse comp 2.0 1.0-TCGTTCC 0.0-T6 5 4 3 2 1
124	Usv1		Usv1_zhu = 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Usv1_secondary_zhu 2.0 1.0-GTACCTGA 1.0-1 2 3 4 5 6 7 8 9
125	Vhr1		Whi.murphy 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	
126	Xbp1	Xbp1_macissac	Xbp1_badis 2.0 1.0 1.0 1.0 1.2 3.4 5.6	
127	Yap1	Yap1_macisaac 2.0 1.0 CCT_ACTAA 0.0 1 2 3 4 5 6 7 8 9	Yap1_zhu 2.07 ## 1.0- 1 2 3 4 5 6 7 8 9 10	Yap1_secondary_zhu 2.0 1.0 1.0 1.2 3 4 5 6 7 8 9

No.	TF	In vivo motif (MacIsaac et al.)	In vitro PBM motif (primary)	In vitro PBM motif (secondary)
128	Yap3	Yap3_macisaac 2.0 1.0 1.0 1.2 3 4 5 6 7	Yap3_murphy 2.0 1.0 ATTACGTAA 0.0 1 2 3 4 5 6 7 8 9 10	Vap3_secondary_murphy 2.0 1.0 1.0 1.2 3.4 5.6 7.6 9
129	Yap6	Vap6_macisaac 2.0 1.0 1.0 1.2 3 4 5 6 7 8	Yap6_zbu 2.0 3 1.0 0.0 1 2 3 4 5 6 7 8 9 10	
130	Ybr033w		Vbr033u_murphy 2.0 3.0. 1.0. 1.2. 3.4.5.6.7.8.9.10.11	
131	Ybr239c		Vbr239c_zbu ## 1.0 TTCCGGAAc 0.0 1 2 3 4 5 6 7 8 9	Vbr239c_secondary_zhu 2.0 1.0 1.0 1.2 3 4 5 6 7 8 9
132	Ydr520c	Vdr520c_macisaac (reverse complement) 2.0 1.0 1.1 1.1 1.0 9 8 7 6 5 4 3 2 1.0	Vdr520c_bad1s 20 1.0 CCGA ATA 0.0 1 2 3 4 5 6 7 8 9 10	
133	Yer064c		Yer064c_murphy 2.0 1.0 EATGACTCA 0.0 1 2 3 4 5 6 7 8 9 10	Ver064c_secondary_murphy 2.0 1.0 ATGACT C 0.0 1 2 3 4 5 6 7 8 9 10 11 12
134	Yer130c		Ver130c_badis 2.0 1.0 ATAGGGG 0.0 1 2 3 4 5 6 7 8 9 10	
135	Yer184c		Yer184c_murphy 2.0 1.0 1.0 1.2 3 4 5 6 7 6 9	
136	Ygr067c		Vgr067c_bdls 2.0 1.0 G_GGGGG_A 0.0 1.2 3 4 5 6 7 8	
137	Ykl222c		Vk1222c_zhu 2.0 1.0 1.0 1.2 2.3 4.5 6.7 8.9 1.0 11	
138	Yll054c		V11054c_zhu. 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	
139	Ylr278c		1.0 AACTCCC	V1r278s_secondary_murphy 2.0 1.0 0.0 1 2 3 4 5 6 7 8 9
140	Yml081w	Vm1081u_macisaac 2.0 1.0 CCAGTQTGAS 0.0 1 2 3 4 5 6 7 8 9 10	Vn108lu_zhu 2.0 1.0 1.0 1.2 2.3 4.5 6.7 8.9	Vml08lw_secondary_zhu (reverse com; 2.0 1.0 2.0 7 6 5 4 3 2 1
141	Ynr063w		1.0 CGGAGAT	
142	Yox1	Void_macisaac	Vox1_badis 2.0 1.0 1.0 1.2 3 4 5 6 7	
143	Ypr013c		Ypr013c_zhu 2.0 1.0 GTASATCS 0.0 1.2 3 4 5 6 7 8 9	

No.	TF	In vivo motif (MacIsaac et al.)	In vitro PBM motif (primary)	In vitro PBM motif (secondary)
144	Ypr015c		Vpr015c_zhu 2.0 1.0 1.0 1.2 3.4 5.6 7.0 9.10 11.0	
145	Ypr022c		Vpr022c_badis 2.0 1.0 0.0 1 2 3 4 5 6	
146	Ypr196w		Vpr 1960_bad1s 2.0 1.0 1.0 1.2 3.4 5.6 7.6 9.10 11.0	
147	Yrm1		Vm1_badis 2.0 1.0 CGGA AT 0.0 1.2 3 4 5 6 7	
148	Yrr1	Vrr1_macisaac (reverse complement) 1.0 CGGTTAACAA 1.0 1 1 10 9 8 7 6 5 4 3 2 1	1.0 CCGAATAA	
149	Zap1	Zapi_macisaec 2.01 1.0 ACC_TAACGT ATG 0.0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	2ap1_murphy 2	2ap1_secondary_murphy 2
150	Zms1		2.0 2.0 3 1.0 GGGGTA 0.0 1 2 3 4 5 6 7 8 9	