

TF	PBM		ChIP-chip		AUC % diff	PBM motif	ChIP-chip motif
	AUC	<i>p</i> -val	AUC	<i>p</i> -val			
Ume6	0.911	<1E-12	0.895	<1E-12	1.8		
Cbf1	0.903	<1E-12	0.832	<1E-12	8.6		
Rap1	0.881	<1E-12	0.948	<1E-12	-7.1		
Gcn4	0.862	<1E-12	0.895	<1E-12	-3.6		
Mcm1	0.856	<1E-12	0.867	<1E-12	-1.2		
Mbp1	0.842	<1E-12	0.750	<1E-12	12.2		
Nrg1	0.831	<1E-12	0.793	<1E-12	4.8		
Phd1	0.825	<1E-12	0.796	<1E-12	3.6		
Mig1	0.820	6.1E-07	N/A	N/A	N/A		N/A
Fkh2	0.818	<1E-12	0.818	<1E-12	0.1		
Fkh1	0.807	<1E-12	0.743	<1E-12	8.6		
Yap1	0.806	<1E-12	0.621	5.8E-04	29.9		
Tye7	0.779	<1E-12	0.641	8.5E-06	21.6		
Yap6	0.746	<1E-12	0.776	<1E-12	-3.9		
Bas1	0.738	6.9E-08	0.659	3.0E-04	12.0		
Gln3	0.718	8.5E-11	0.716	1.1E-10	0.4		
Pho2	0.714	2.0E-04	0.685	0.001	4.2		
Tec1	0.702	3.6E-08	0.688	5.6E-09	1.9		
Fhl1	0.692	<1E-12	0.835	<1E-12	-17.2		
Sum1	0.691	3.2E-07	0.858	<1E-12	-19.5		

Figure S6. Enrichment of PBM-predicted or ChIP-chip motif-predicted target intergenic regions among intergenic regions bound in ChIP-chip at $p < 0.001$. The AUC statistic and associated p -value are calculated as described in the Supplementary Methods.

Skn7	0.689	<1E-12	0.827	<1E-12	-16.7		
Xbp1	0.684	4.8E-08	0.681	1.2E-10	0.4		
Gat3	0.674	6.1E-06	0.817	1.8E-15	-17.6		
Pho4	0.671	2.2E-06	0.588	3.4E-10	14.2		
Stp4	0.665	1.5E-04	0.552	N/A	20.6		
Rpn4	0.663	1.0E-05	0.898	<1E-12	-26.1		
Aft1	0.657	2.8E-11	0.702	1.3E-10	-6.4		
Sfp1	0.654	0.014	0.826	5.5E-07	-20.7		
Leu3	0.648	3.2E-05	0.614	<1E-12	5.6		
Rph1	0.626	0.011	N/A	N/A	N/A		N/A
Rtg3	0.624	4.0E-04	0.641	5.2E-06	-2.7		
Smp1	0.621	6.0E-05	N/A	N/A	N/A		N/A
Mga1	0.614	1.9E-03	N/A	N/A	N/A		N/A
Aro80	0.593	0.030	0.527	N/A	12.4		
Ydr520c	0.591	0.128	0.650	<1E-12	-9.0		
Met32	0.582	0.015	0.574	0.00	1.4		
Mig3	0.580	0.030	N/A	N/A	N/A		N/A
Sip4	0.578	0.071	0.646	1.9E-11	-10.5		
Yox1	0.576	0.010	0.542	N/A	6.3		
Gal4	0.568	0.044	0.606	<1E-12	-6.3		
Rds1	0.568	0.084	0.622	<1E-12	-8.6		
Cup9	0.567	0.077	N/A	N/A	N/A		N/A
Oaf1	0.544	0.139	N/A	N/A	N/A		N/A

Srd1	0.540	0.326	N/A	N/A	N/A		N/A
Gat1	0.539	0.137	N/A	N/A	N/A		N/A
Gzf3	0.521	0.344	N/A	N/A	N/A		N/A
Put3	0.508	0.460	0.679	6.1E-07	-25.2		
Mig2	0.501	0.486	N/A	N/A	N/A		N/A
Ndt80	0.459	0.736	N/A	N/A	N/A		N/A
Pdr1	0.449	0.954	N/A	N/A	N/A		N/A
Yrr1	0.444	0.850	0.508	0.39	-12.6		
Yer130c	0.443	0.778	N/A	N/A	N/A		N/A
Cha4	0.434	0.856	0.561	0.183	-22.6		
Hal9	0.422	0.994	N/A	N/A	N/A		N/A
Yml081w	0.369	1	0.547	<1E-12	-32.6		
Ypr196w	0.360	0.944	N/A	N/A	N/A		N/A
Stp2	0.276	0.999	N/A	N/A	N/A		N/A