

i-cisTarget

An integrative genomics method for the prediction of regulatory features and cis-regulatory modules.

Parameters and statistics for TGB1 co-expressed genes

Number of features	9713
Number of enriched features (NES > 3.0)	107
Total number of ranked regions	220330
Type of input query	hgnc_symbol
Fraction of mapped input IDs	0.896
Number of i-cisTarget regions in input set	2195
Minimum fraction of overlap	0.4
Normalized enrichment score (NES) threshold	3.0
AUC threshold (fraction / # of ranked regions)	0.005 (1102)
Recovery curve threshold (# of regions)	20000

AUC distribution
 [AUC distribution image](#)

Recovery of best feature
 [RCC of best feature image](#)

Results for TGB1 co-expressed genes

Select features in the table below, select an operation and [proceed](#).

1.

☐

Use candidate target regions as **filter** and use as input for i-cisTarget again.
2.

☐

Scan candidate target regions of selected features for [multiple homotypic](#) CRMs.
3.

☐

Create SIF file for the selected features.

This report is also available as an [archive](#).

#	Feature	NES	Logo	Recovery Curve	Candidate targets	All regions in top 20000	Databases
1	☐ transfac_public-M00231 Description: V\$MEF2_02 Possible TFs: MEF2A	10.91485			link	link	PWMs
2	☐ yetfasco-271 Description: YPL089C Possible TFs: MEF2C, MEF2B, MEF2A, MEF2BNB-MEF2B, MEF2D	10.64097			link	link	PWMs
3	☐ jaspar-MA0052.1 Description: MEF2A Possible TFs: MEF2A	9.83646			link	link	PWMs
4	☐ taipale-KCTAWAAATAGM-MEF2A-DBD Description: KCTAWAAATAGM-MEF2A-DBD	9.64780			link	link	PWMs
5	☐ factorbook-MEF2 Description: MEF2 Possible TFs: MEF2C, MEF2A	9.42673			link	link	PWMs
6	☐ swissregulon-MEF2_A-B-C-D_p2 Description: MEF2A, MEF2C, MEF2D, MEF2BNB-MEF2B, MEF2B	9.34297			link	link	PWMs
7	☐ yetfasco-419 Description: YPL089C Possible TFs: MEF2C, MEF2B, MEF2A, MEF2BNB-MEF2B, MEF2D	9.33168			link	link	PWMs
8	☐ homer-M00110 Description: Mef2c(MADS)/GM12878-Mef2c-ChIP-Seq(GSE32465)/Homer Possible TFs: MEF2C	9.19474			link	link	PWMs
9	☐ transfac_public-M00026 Description: V\$RSRFC4_01 Possible TFs: MEF2A	9.16852			link	link	PWMs
10	☐ taipale-NCTAWAAATAGM-MEF2D-DBD Description: NCTAWAAATAGM-MEF2D-DBD	9.10770			link	link	PWMs
11	☐ transfac_pro-M00941 Description: V\$MEF2_Q6_01 Possible TFs: MEF2C, MEF2A, MEF2D	8.90338			link	link	PWMs
12	☐ jaspar-PF0028.1 Description: CTAWWWATA	8.88408			link	link	PWMs
13	☐ transfac_pro-M02488 Description: F\$RLM1_02	8.66156			link	link	PWMs

#	Feature	NES	Logo	Recovery Curve	Candidate targets	All regions in top 20000	Databases
14	☐ homer-M00109 Description: Mef2a(MADS)/HL1-Mef2a.biotin-ChIP-Seq/Homer/ Possible TFs: MEF2A	8.55193			link	link	PWMs
15	☐ transfac_public-M00232 Description: V\$MEF2_03 Possible TFs: MEF2A	8.45578			link	link	PWMs
16	☐ homer-M00298 Description: MF0008.1_MADS_class/Jaspar	8.45433			link	link	PWMs
17	☐ jaspar-MA0001.1 Description: AGL3	8.29444			link	link	PWMs
18	☐ taipale-RCTAWAAATAGM-MEF2B-full Description: RCTAWAAATAGM-MEF2B-full	8.29444			link	link	PWMs
19	☐ jaspar-MF0008.1 Description: MADS_class	8.28315			link	link	PWMs
20	☐ transfac_pro-M00407 Description: V\$RSRFC4_Q2 Possible TFs: MEF2A	8.16843			link	link	PWMs
21	☐ yetfasco-1428 Description: YPL089C Possible TFs: MEF2C, MEF2B, MEF2A, MEF2BNB-MEF2B, MEF2D	8.16224			link	link	PWMs
22	☐ stark-GNCTANWWATA Description: GNCTANWWATA	7.94955			link	link	PWMs
23	☐ transfac_pro-M01301 Description: V\$MEF2_05 Possible TFs: MEF2A	7.94154			link	link	PWMs
24	☐ yetfasco-1501 Description: YPL089C Possible TFs: MEF2C, MEF2B, MEF2A, MEF2BNB-MEF2B, MEF2D	7.94154			link	link	PWMs
25	☐ homer-M01523 Description: RLM1/Literature(Harbison)/Yeast	7.80897			link	link	PWMs
26	☐ transfac_pro-M01809 Description: P\$RIN_01	7.79185			link	link	PWMs
27	☐ stark-YTAWWWWTAR Description: YTAWWWWTAR(Mef2) Possible TFs: MEF2C, MEF2B, MEF2A, MEF2BNB-MEF2B, MEF2D	7.25393			link	link	PWMs
28	☐ transfac_pro-M01007 Description: V\$SRF_Q5_02 Possible TFs: SRF	7.22917			link	link	PWMs
29	☐ homer-M00183 Description: CArG(MADS)/PUER-Srf-ChIP-Seq/Homer Possible TFs: SRF	7.05763			link	link	PWMs
30	☐ jaspar-PF0054.1 Description: TAAWWATAG	7.04488			link	link	PWMs
31	☐ transfac_public-M00215 Description: V\$SRF_C Possible TFs: SRF	6.86970			link	link	PWMs
32	☐ transfac_pro-M01164 Description: P\$SQUA_01	6.81799			link	link	PWMs
33	☐ jaspar-PB0078.1 Description: Srf_1 Possible TFs: SRF	6.61440			link	link	PWMs
34	☐ swissregulon-SRF.p3 Description: SRF Possible TFs: SRF	6.56596			link	link	PWMs
35	☐ jaspar-PF0033.1 Description: YTATTTTNR	6.32414			link	link	PWMs
36	☐ homer-M00571 Description: Mef2/dmmpmm(Papatsenko)/fly Possible TFs: MEF2C, MEF2B, MEF2A, MEF2BNB-MEF2B, MEF2D	6.20650			link	link	PWMs
37	☐ yetfasco-1448 Description: YBR182C Possible TFs: MEF2C, MEF2B, MEF2A, MEF2BNB-MEF2B, MEF2D	6.18137			link	link	PWMs
38	☐ jaspar-MA0082.1 Description: squamosa	6.16535			link	link	PWMs
39	☐ transfac_pro-M01257 Description: V\$SRF_Q2 Possible TFs: SRF	6.02622			link	link	PWMs

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40	 factorbook-SRF Description: SRF Possible TFs: SRF	5.97596	 factorbook-SRF logo	 RCC of factorbook-SRF	link	link	PWMs
41	 transfac_public-M00392 Description: P\$AGL3_01	5.82555	 transfac_public-M00392 logo	 RCC of transfac_public-M00392	link	link	PWMs
42	 transfac_public-M00393 Description: P\$AGL3_02	5.79823	 transfac_public-M00393 logo	 RCC of transfac_public-M00393	link	link	PWMs
43	 swissregulon-TBP.p2 Description: TBP Possible TFs: TBP	5.74797	 swissregulon-TBP.p2 logo	 RCC of swissregulon-TBP.p2	link	link	PWMs
44	 taipale-NNMCCATATAWGGKNN-SRF-full Description: NNMCCATATAWGGKNN-SRF-full	5.74397	 taipale-NNMCCATATAWGGKNN-SRF-full logo	 RCC of taipale-NNMCCATATAWGGKNN-SRF-full	link	link	PWMs
45	 transfac_public-M00152 Description: V\$SRF_01 Possible TFs: SRF	5.68096	 transfac_public-M00152 logo	 RCC of transfac_public-M00152	link	link	PWMs
46	 transfac_pro-M01304 Description: V\$SRF_03 Possible TFs: SRF	5.57316	 transfac_pro-M01304 logo	 RCC of transfac_pro-M01304	link	link	PWMs
47	 stark-STATAWAWR Description: STATAWAWR	5.49595	 stark-STATAWAWR logo	 RCC of stark-STATAWAWR	link	link	PWMs
48	 homer-M00114 Description: MyoG(HLH)/C2C12-MyoG-ChIP-Seq(GSE36024)/Homer Possible TFs: MYOG	5.47956	 homer-M00114 logo	 RCC of homer-M00114	link	link	PWMs
49	 taipale-MCCATATAWGGN-SRF-DBD Description: MCCATATAWGGN-SRF-DBD	5.45480	 taipale-MCCATATAWGGN-SRF-DBD logo	 RCC of taipale-MCCATATAWGGN-SRF-DBD	link	link	PWMs
50	 homer-M00830 Description: TBP(-)	5.38341	 homer-M00830 logo	 RCC of homer-M00830	link	link	PWMs
51	 homer-M01793 Description: RLM1(MacIsaac)/Yeast	5.38123	 homer-M01793 logo	 RCC of homer-M01793	link	link	PWMs
52	 jaspar-PF0051.1 Description: TATAAA	5.30147	 jaspar-PF0051.1 logo	 RCC of jaspar-PF0051.1	link	link	PWMs
53	 transfac_pro-M00810 Description: V\$SRF_Q4 Possible TFs: SRF	5.29564	 transfac_pro-M00810 logo	 RCC of transfac_pro-M00810	link	link	PWMs
54	 transfac_pro-M01062 Description: P\$AGL2_02	5.25813	 transfac_pro-M01062 logo	 RCC of transfac_pro-M01062	link	link	PWMs
55	 yetfasco-1310 Description: YPL089C Possible TFs: MEF2C, MEF2B, MEF2A, MEF2BNB-MEF2B, MEF2D	5.23300	 yetfasco-1310 logo	 RCC of yetfasco-1310	link	link	PWMs
56	 transfac_pro-M00406 Description: V\$HMEF2_Q6 Possible TFs: MEF2A	5.19585	 transfac_pro-M00406 logo	 RCC of transfac_pro-M00406	link	link	PWMs
57	 stark-STATAWAWRSVVV Description: STATAWAWRSVVV	5.11209	 stark-STATAWAWRSVVV logo	 RCC of stark-STATAWAWRSVVV	link	link	PWMs
58	 transfac_pro-M00922 Description: V\$SRF_Q5_01 Possible TFs: SRF	5.10517	 transfac_pro-M00922 logo	 RCC of transfac_pro-M00922	link	link	PWMs
59	 factorbook-TBP Description: TBP Possible TFs: TBP, POLR2A, TAF1	4.95657	 factorbook-TBP logo	 RCC of factorbook-TBP	link	link	PWMs
60	 transfac_pro-M00403 Description: V\$AMEF2_Q6 Possible TFs: MEF2A	4.80907	 transfac_pro-M00403 logo	 RCC of transfac_pro-M00403	link	link	PWMs
61	 yetfasco-625 Description: YPL089C Possible TFs: MEF2C, MEF2B, MEF2A, MEF2BNB-MEF2B, MEF2D	4.80033	 yetfasco-625 logo	 RCC of yetfasco-625	link	link	PWMs
62	 jaspar-MA0083.1 Description: SRF Possible TFs: SRF	4.65320	 jaspar-MA0083.1 logo	 RCC of jaspar-MA0083.1	link	link	PWMs
63	 transfac_public-M00252 Description: V\$TATA_01 Possible TFs: TBP, TBPL2	4.63462	 transfac_public-M00252 logo	 RCC of transfac_public-M00252	link	link	PWMs
64	 jaspar-MA0108.1 Description: TBP	4.62005	 jaspar-MA0108.1 logo	 RCC of jaspar-MA0108.1	link	link	PWMs
65	 tfdimers-MD00570 Description: NeuroD_GR	4.36257	 tfdimers-MD00570 logo	 RCC of tfdimers-MD00570	link	link	PWMs

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66	 transfac_public-M00186 Description: V\$SRF_Q6 Possible TFs: SRF	4.33671			link	link	PWMs
67	 homer-M00353 Description: sna/dmmpmm(Bergman)/fly Possible TFs: SNAI2, SNAI3, SNAI1	4.25877			link	link	PWMs
68	 yetfasco-2056 Description: YER148W Possible TFs: TBP, TBPL1, TBPL2	4.22854			link	link	PWMs
69	 transfac_public-M00060 Description: ISSN_01 Possible TFs: SNAI2, SNAI3, SNAI1	4.18229			link	link	PWMs
70	 jaspar-PF0121.1 Description: CCAWWNAAGG	4.00456			link	link	PWMs
71	 tiffin-TIFDMEM0000083 Description: TIFDMEM0000083	3.98963			link	link	PWMs
72	 jaspar-PF0015.1 Description: CAGCTG Possible TFs: MYOG	3.98817			link	link	PWMs
73	 homer-M00112 Description: Myf5(bHLH)/GM-Myf5-ChIP-Seq(GSE24852)/Homer Possible TFs: MYF5	3.95321			link	link	PWMs
74	 homer-M00193 Description: TATA-Box(TBP)/Promoter/Homer Possible TFs: TBP	3.86580			link	link	PWMs
75	 transfac_pro-M03135 Description: N\$HLH2HLH10_01	3.86471			link	link	PWMs
76	 jaspar-PF0173.1 Description: YWATTWNNRGCT	3.82720			link	link	PWMs
77	 transfac_public-M00471 Description: V\$TBP_01 Possible TFs: TBP	3.81554			link	link	PWMs
78	 homer-M00234 Description: TATA-box/Drosophila-Promoters/Homer	3.80243			link	link	PWMs
79	 transfac_pro-M01061 Description: P\$AGL2_01	3.77584			link	link	PWMs
80	 transfac_pro-M02100 Description: V\$MYOD_Q6_02	3.76565			link	link	PWMs
81	 transfac_pro-M02781 Description: V\$MYF6_03 Possible TFs: MYF6	3.70628			link	link	PWMs
82	 jaspar-CN0169.1 Description: LM169	3.68043			link	link	PWMs
83	 selexconsensus-bin Description: bin Possible TFs: FOXQ1, FOXL2, FOXF1, FOXF2, FOXL1	3.57554			link	link	PWMs
84	 homer-M00172 Description: Six1(Homeobox)/Myoblast-Six1-ChIP-Chip(GSE20150)/Homer Possible TFs: SIX1	3.50160			link	link	PWMs
85	 transfac_pro-M00319 Description: V\$MEF3_B	3.45207			link	link	PWMs
86	 transfac_pro-M01582 Description: P\$AGL9_01	3.44078			link	link	PWMs
87	 jaspar-PF0035.1 Description: GCANCTGNY	3.42439			link	link	PWMs
88	 flyfactorsurvey-sna_SOLEXA_5_FBgn0003448 Description: FBgn0003448(sna) Possible TFs: SNAI2, SNAI3, SNAI1	3.40436			link	link	PWMs
89	 transfac_public-M00006 Description: V\$MEF2_01 Possible TFs: MEF2A	3.39016			link	link	PWMs
90	 elemento-AACAGCTG Description: AACAGCTG	3.34318			link	link	PWMs
91	 transfac_pro-M02024 Description: V\$MEF2A_Q6 Possible TFs: MEF2A	3.33043			link	link	PWMs

#	Feature	NES	Logo	Recovery Curve	Candidate targets	All regions in top 20000	Databases
92	 transfac_pro-M02119 Description: V\$T3RBETA_Q6_01 Possible TFs: THRB	3.31732	 transfac_pro-M02119 logo	 RCC of transfac_pro-M02119	link	link	PWMs
93	 encode-UW.Motif.0086 Description: UW.Motif.0086	3.29037	 encode-UW.Motif.0086 logo	 RCC of encode-UW.Motif.0086	link	link	PWMs
94	 transfac_pro-M00949 Description: P\$AGL15_01	3.25905	 transfac_pro-M00949 logo	 RCC of transfac_pro-M00949	link	link	PWMs
95	 homer-M00256 Description: HLH-1(bHLH)/cElegans-Embryo-HLH1-ChIP-Seq(modEncode)/Homer	3.25868	 homer-M00256 logo	 RCC of homer-M00256	link	link	PWMs
96	 flyfactorsurvey-Fer3_da_SANGER_5_FBgn0037937 Description: FBgn0037937(Fer3) Possible TFs: FERD3L	3.24703	 flyfactorsurvey-Fer3_da_SANGER_5_FBgn0037937 logo	 RCC of flyfactorsurvey-Fer3_da_SANGER_5_FBgn0037937	link	link	PWMs
97	 hdpi-MEIS3 Description: MEIS3 Possible TFs: MEIS3	3.24667	 hdpi-MEIS3 logo	 RCC of hdpi-MEIS3	link	link	PWMs
98	 jaspar-MA0386.1 Description: TBP Possible TFs: TBP, TBPL1, TBPL2	3.24557	 jaspar-MA0386.1 logo	 RCC of jaspar-MA0386.1	link	link	PWMs
99	 transfac_public-M00233 Description: V\$MEF2_04 Possible TFs: MEF2A	3.21680	 transfac_public-M00233 logo	 RCC of transfac_public-M00233	link	link	PWMs
100	 yetfasco-798 Description: YER148W Possible TFs: TBP, TBPL1, TBPL2	3.21571	 yetfasco-798 logo	 RCC of yetfasco-798	link	link	PWMs
101	 hdpi-JDP2 Description: JDP2 Possible TFs: JDP2	3.19167	 hdpi-JDP2 logo	 RCC of hdpi-JDP2	link	link	PWMs
102	 transfac_pro-M00713 Description: F\$TBP_Q6 Possible TFs: TBP, TBPL1, TBPL2	3.18657	 transfac_pro-M00713 logo	 RCC of transfac_pro-M00713	link	link	PWMs
103	 transfac_public-M00184 Description: V\$MYOD_Q6 Possible TFs: MYOD1	3.17638	 transfac_public-M00184 logo	 RCC of transfac_public-M00184	link	link	PWMs
104	 flyfactorsurvey-ato_da_SANGER_10_FBgn0010433 Description: FBgn0010433(ato) Possible TFs: NEUROD2, NEUROD1, NEUROD6, NEUROD4	3.11191	 flyfactorsurvey-ato_da_SANGER_10_FBgn0010433 logo	 RCC of flyfactorsurvey-ato_da_SANGER_10_FBgn0010433	link	link	PWMs
105	 encode-UW.Motif.0005 Description: UW.Motif.0005	3.10135	 encode-UW.Motif.0005 logo	 RCC of encode-UW.Motif.0005	link	link	PWMs
106	 stark-GTATNWATA Description: GTATNWATA	3.09297	 stark-GTATNWATA logo	 RCC of stark-GTATNWATA	link	link	PWMs
107	 homer-M00270 Description: TATA-box/SacCer-Promoters/Homer	3.08387	 homer-M00270 logo	 RCC of homer-M00270	link	link	PWMs

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