

Table 4. Homer de novo motif results (ISL1 ChIP-seq peaks)

Rank	Motif	P-value	log P-value	% of Targets	% of Background	STD(Bg STD)	Best Match/Details
1		1e-172	-3.983e+02	68.54%	31.88%	51.2bp (65.8bp)	Isl1 (Homeobox)/Neuron-Isl1-ChIP-Seq(GSE31456)/Homer(0.953) More Information Similar Motifs Found
2		1e-92	-2.123e+02	20.33%	4.88%	55.9bp (62.6bp)	Pdx1 (Homeobox)/Islet-Pdx1-ChIP-Seq(SRA008281)/Homer(0.955) More Information Similar Motifs Found
3		1e-86	-1.999e+02	26.46%	8.49%	51.2bp (61.5bp)	MF0005.1_Forkhead_class/Jaspar(0.948) More Information Similar Motifs Found
4		1e-58	-1.348e+02	34.45%	16.59%	52.6bp (61.3bp)	Nkx6.1 (Homeobox)/Islet-Nkx6.1-ChIP-Seq(GSE40975)/Homer(0.719) More Information Similar Motifs Found
5		1e-54	-1.248e+02	54.92%	34.53%	56.7bp (66.0bp)	Nkx3.1 (Homeobox)/LNCaP-Nkx3.1-ChIP-Seq(GSE28264)/Homer(0.654) More Information Similar Motifs Found
6		1e-40	-9.251e+01	27.46%	13.81%	53.7bp (60.9bp)	Tbx20(T-box)/Heart-Tbx20-ChIP-Seq(GSE29636)/Homer(0.910) More Information Similar Motifs Found
7		1e-27	-6.310e+01	8.77%	2.77%	50.4bp (63.4bp)	Nrf2(bZIP)/Lymphoblast-Nrf2-ChIP-Seq(GSE37589)/Homer(0.761) More Information Similar Motifs Found
8		1e-24	-5.751e+01	9.70%	3.50%	51.6bp (65.6bp)	TEAD(TEA)/Fibroblast-PU.1-ChIP-Seq(Unpublished)/Homer(0.852) More Information Similar Motifs Found
9		1e-24	-5.724e+01	13.05%	5.62%	52.4bp (62.0bp)	MA0164.1_Nr2e3/Jaspar(0.676) More Information Similar Motifs Found
10		1e-20	-4.762e+01	3.92%	0.79%	52.5bp (69.6bp)	PH0114.1_Nkx2-5/Jaspar(0.647) More Information Similar Motifs Found
11		1e-19	-4.427e+01	3.71%	0.76%	56.4bp (62.2bp)	TEAD4(TEA)/Tropoblast-Tea4-ChIP-Seq(GSE37350)/Homer(0.816) More Information Similar Motifs Found
12		1e-19	-4.382e+01	12.70%	6.12%	53.5bp (61.4bp)	Six1 (Homeobox)/Myoblast-Six1-ChIP-Seq(GSE20150)/Homer(0.793) More Information Similar Motifs Found
13		1e-17	-3.932e+01	3.00%	0.56%	51.1bp (62.4bp)	Rfx1 (HTH)/NPC-H3K4me1-ChIP-Seq(GSE16256)/Homer(0.932) More Information Similar Motifs Found
14		1e-14	-3.314e+01	0.57%	0.01%	65.6bp (44.4bp)	PB0088.1_Tcfap2e_1/Jaspar(0.688) More Information Similar Motifs Found
15		1e-13	-2.999e+01	0.64%	0.01%	41.1bp (41.9bp)	PB0110.1_Bcl6b_2/Jaspar(0.793) More Information Similar Motifs Found
16 *		1e-11	-2.739e+01	0.71%	0.02%	60.5bp (48.6bp)	NeuroD1(bHLH)/Islet-NeuroD1-ChIP-Seq(GSE30298)/Homer(0.632) More Information Similar Motifs Found
17 *		1e-11	-2.731e+01	16.41%	10.28%	54.4bp (65.0bp)	E2F7(E2F)/Hela-E2F7-ChIP-Seq(GSE32673)/Homer(0.776) More Information Similar Motifs Found
18 *		1e-11	-2.701e+01	0.64%	0.02%	45.7bp (77.6bp)	PB0091.1_Zbtb3_1/Jaspar(0.660) More Information Similar Motifs Found
19 *		1e-11	-2.667e+01	0.78%	0.03%	45.1bp (46.2bp)	MA0081.1_SPIB/Jaspar(0.678) More Information Similar Motifs Found
20 *		1e-10	-2.456e+01	1.36%	0.18%	47.0bp (61.4bp)	Meis1 (Homeobox)/MastCells-Meis1-ChIP-Seq(GSE48085)/Homer(0.778) More Information Similar Motifs Found
21 *		1e-10	-2.309e+01	1.85%	0.38%	49.4bp (55.9bp)	NF1-halfsite(CTF)/LNCaP-NF1-ChIP-Seq(Unpublished)/Homer(0.659) More Information Similar Motifs Found
22 *		1e-7	-1.810e+01	2.43%	0.78%	59.9bp (74.8bp)	POL010.1_DCE_S_III/Jaspar(0.635) More Information Similar Motifs Found
23 *		1e-7	-1.700e+01	0.43%	0.01%	62.6bp (29.6bp)	PB0104.1_Zscan4_1/Jaspar(0.782) More Information Similar Motifs Found
24 *		1e-6	-1.446e+01	0.29%	0.00%	62.0bp (0.0bp)	ZNF711(Zf)/SHSY5Y-ZNF711-ChIP-Seq(GSE20673)/Homer(0.836) More Information Similar Motifs Found
25 *		1e-5	-1.254e+01	0.43%	0.03%	58.8bp (26.4bp)	PH0151.1_Pou6f1_1/Jaspar(0.698) More Information Similar Motifs Found

* - possible false positive