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[Homer de novo Motif Results](#)

[Gene Ontology Enrichment Results](#)

[Known Motif Enrichment Results \(txt file\)](#)

Total Target Sequences = 14235, Total Background Sequences = 34869

Rank	Motif	Name	P-value	log P-value	q-value (Benjamini)	# Target Sequences with Motif
1		MITF(bHLH)/MastCells-MITF-ChIP-Seq(GSE48085)/Homer	1e-2651	-6.106e+03	0.0000	5933.0
2		Usf2(bHLH)/C2C12-Usf2-ChIP-Seq(GSE36030)/Homer	1e-2016	-4.644e+03	0.0000	3349.0
3		USF1(bHLH)/GM12878-Usf1-ChIP-Seq(GSE32465)/Homer	1e-1721	-3.964e+03	0.0000	3682.0
4		BMAL1(bHLH)/Liver-Bmal1-ChIP-Seq(GSE39860)/Homer	1e-1432	-3.298e+03	0.0000	6514.0
5		TFE3(bHLH)/MEF-TFE3-ChIP-Seq(GSE75757)/Homer	1e-1330	-3.063e+03	0.0000	1568.0
6		CLOCK(bHLH)/Liver-Clock-ChIP-Seq(GSE39860)/Homer	1e-1323	-3.047e+03	0.0000	3516.0
7		Fra1(bZIP)/BT549-Fra1-ChIP-Seq(GSE46166)/Homer	1e-1074	-2.473e+03	0.0000	3003.0
8		Atf3(bZIP)/GBM-ATF3-ChIP-Seq(GSE33912)/Homer	1e-1065	-2.454e+03	0.0000	3244.0
9		JunB(bZIP)/DendriticCells-Junb-ChIP-Seq(GSE36099)/Homer	1e-1053	-2.425e+03	0.0000	2946.0
10		BATF(bZIP)/Th17-BATF-ChIP-Seq(GSE39756)/Homer	1e-1041	-2.397e+03	0.0000	3180.0
11		Fra2(bZIP)/Striatum-Fra2-ChIP-Seq(GSE43429)/Homer	1e-1037	-2.389e+03	0.0000	2766.0
12		AP-1(bZIP)/ThioMac-PU.1-ChIP-Seq(GSE21512)/Homer	1e-1002	-2.309e+03	0.0000	3353.0
13		Fos12(bZIP)/3T3L1-Fos12-ChIP-Seq(GSE56872)/Homer	1e-957	-2.204e+03	0.0000	2224.0
14		bHLHE40(bHLH)/HepG2-BHLHE40-ChIP-Seq(GSE31477)/Homer	1e-896	-2.065e+03	0.0000	2221.0
15		Jun-AP1(bZIP)/K562-cJun-ChIP-Seq(GSE31477)/Homer	1e-848	-1.953e+03	0.0000	1825.0
16		NPAS2(bHLH)/Liver-NPAS2-ChIP-Seq(GSE39860)/Homer	1e-837	-1.929e+03	0.0000	4094.0
17		NPAS(bHLH)/Liver-NPAS-ChIP-Seq(GSE39860)/Homer	1e-794	-1.829e+03	0.0000	4998.0
18		E-box(bHLH)/Promoter/Homer	1e-779	-1.795e+03	0.0000	1157.0
19		c-Myc(bHLH)/LNCAP-cMyc-ChIP-Seq(Unpublished)/Homer	1e-643	-1.482e+03	0.0000	2481.0
20		Max(bHLH)/K562-Max-ChIP-Seq(GSE31477)/Homer	1e-637	-1.468e+03	0.0000	2754.0
21		n-Myc(bHLH)/mES-nMyc-ChIP-Seq(GSE11431)/Homer	1e-572	-1.318e+03	0.0000	2751.0

22		Bach2(bZIP)/OCILy7-Bach2-ChIP-Seq(GSE44420)/Homer	1e-391	-9.020e+02	0.0000	1118.0
23		CRE(bZIP)/Promoter/Homer	1e-201	-4.647e+02	0.0000	952.0
24		Sox9(HMG)/Limb-SOX9-ChIP-Seq(GSE73225)/Homer	1e-162	-3.749e+02	0.0000	1856.0
25		c-Myc(bHLH)/mES-cMyc-ChIP-Seq(GSE11431)/Homer	1e-161	-3.719e+02	0.0000	1403.0
26		Sox3(HMG)/NPC-Sox3-ChIP-Seq(GSE33059)/Homer	1e-155	-3.578e+02	0.0000	3198.0
27		Sox10(HMG)/SciaticNerve-Sox3-ChIP-Seq(GSE35132)/Homer	1e-146	-3.371e+02	0.0000	3036.0
28		Fli1(ETS)/CD8-FLI-ChIP-Seq(GSE20898)/Homer	1e-135	-3.116e+02	0.0000	2414.0
29		ERG(ETS)/VCaP-ERG-ChIP-Seq(GSE14097)/Homer	1e-113	-2.620e+02	0.0000	3015.0
30		Etv2(ETS)/ES-ER71-ChIP-Seq(GSE59402)/Homer(0.967)	1e-108	-2.504e+02	0.0000	1901.0
31		NF-E2(bZIP)/K562-NFE2-ChIP-Seq(GSE31477)/Homer	1e-108	-2.498e+02	0.0000	336.0
32		ETS1(ETS)/Jurkat-ETS1-ChIP-Seq(GSE17954)/Homer	1e-103	-2.380e+02	0.0000	2105.0
33		MafK(bZIP)/C2C12-MafK-ChIP-Seq(GSE36030)/Homer	1e-102	-2.363e+02	0.0000	604.0
34		Sox15(HMG)/CPA-Sox15-ChIP-Seq(GSE62909)/Homer	1e-100	-2.309e+02	0.0000	1950.0
35		ETV1(ETS)/GIST48-ETV1-ChIP-Seq(GSE22441)/Homer	1e-98	-2.275e+02	0.0000	2621.0
36		RUNX(Runt)/HPC7-Runx1-ChIP-Seq(GSE22178)/Homer	1e-98	-2.272e+02	0.0000	1463.0
37		Bach1(bZIP)/K562-Bach1-ChIP-Seq(GSE31477)/Homer	1e-95	-2.193e+02	0.0000	299.0
38		Sox6(HMG)/Myotubes-Sox6-ChIP-Seq(GSE32627)/Homer	1e-94	-2.184e+02	0.0000	2716.0
39		Sox2(HMG)/mES-Sox2-ChIP-Seq(GSE11431)/Homer	1e-94	-2.172e+02	0.0000	1641.0
40		Sox4(HMG)/proB-Sox4-ChIP-Seq(GSE50066)/Homer	1e-93	-2.145e+02	0.0000	1592.0
41		Nrf2(bZIP)/Lymphoblast-Nrf2-ChIP-Seq(GSE37589)/Homer	1e-90	-2.084e+02	0.0000	271.0
42		Elk1(ETS)/Hela-Elk1-ChIP-Seq(GSE31477)/Homer	1e-89	-2.067e+02	0.0000	1299.0
43		GABPA(ETS)/Jurkat-GABPa-ChIP-Seq(GSE17954)/Homer	1e-87	-2.020e+02	0.0000	1815.0
44		Elk4(ETS)/Hela-Elk4-ChIP-Seq(GSE31477)/Homer	1e-84	-1.939e+02	0.0000	1322.0
45		EWS:FLI1-fusion(ETS)/SK_N_MC-EWS:FLI1-ChIP-Seq(SRA014231)/Homer	1e-80	-1.848e+02	0.0000	1218.0
		RUNX1(Runt)/Jurkat-RUNX1-ChIP-	1e-			

46		Seq(GSE29180)/Homer	76	-1.760e+02	0.0000	1834.0
47		RUNX2(Runt)/PCa-RUNX2-ChIP-Seq(GSE33889)/Homer	1e-69	-1.592e+02	0.0000	1462.0
48		EWS:ERG-fusion(ETS)/CADO_ES1-EWS:ERG-ChIP-Seq(SRA014231)/Homer	1e-68	-1.585e+02	0.0000	1403.0
49		ELF1(ETS)/Jurkat-ELF1-ChIP-Seq(SRA014231)/Homer	1e-67	-1.560e+02	0.0000	1140.0
50		Sox17(HMG)/Endoderm-Sox17-ChIP-Seq(GSE61475)/Homer	1e-66	-1.522e+02	0.0000	1298.0
51		AP-2gamma(AP2)/MCF7-TFAP2C-ChIP-Seq(GSE21234)/Homer	1e-64	-1.493e+02	0.0000	2283.0
52		RUNX-AML(Runt)/CD4+-PolII-ChIP-Seq(Barski_et_al.)/Homer	1e-64	-1.493e+02	0.0000	1306.0
53		COUP-TFII(NR)/Artia-Nr2f2-ChIP-Seq(GSE46497)/Homer	1e-61	-1.426e+02	0.0000	2803.0
54		Six1(Homeobox)/Myoblast-Six1-ChIP-Chip(GSE20150)/Homer	1e-61	-1.419e+02	0.0000	561.0
55		HIF-1b(HLH)/T47D-HIF1b-ChIP-Seq(GSE59937)/Homer	1e-61	-1.406e+02	0.0000	2149.0
56		ETS(ETS)/Promoter/Homer	1e-58	-1.344e+02	0.0000	759.0
57		EHF(ETS)/LoVo-EHF-ChIP-Seq(GSE49402)/Homer	1e-54	-1.244e+02	0.0000	2190.0
58		AP-2alpha(AP2)/Hela-AP2alpha-ChIP-Seq(GSE31477)/Homer	1e-53	-1.238e+02	0.0000	1809.0
59		CTCF(Zf)/CD4+-CTCF-ChIP-Seq(Barski_et_al.)/Homer	1e-50	-1.158e+02	0.0000	343.0
60		KLF14(Zf)/HEK293-KLF14.GFP-ChIP-Seq(GSE58341)/Homer	1e-43	-9.914e+01	0.0000	3219.0
61		NF1(CTF)/LNCAP-NF1-ChIP-Seq(Unpublished)/Homer	1e-42	-9.695e+01	0.0000	776.0
62		MafA(bZIP)/Islet-MafA-ChIP-Seq(GSE30298)/Homer	1e-41	-9.550e+01	0.0000	1390.0
63		Ets1-distal(ETS)/CD4+-PolII-ChIP-Seq(Barski_et_al.)/Homer	1e-41	-9.513e+01	0.0000	599.0
64		SPDEF(ETS)/VCaP-SPDEF-ChIP-Seq(SRA014231)/Homer	1e-38	-8.930e+01	0.0000	1666.0
65		Sp5(Zf)/mES-Sp5.Flag-ChIP-Seq(GSE72989)/Homer	1e-38	-8.871e+01	0.0000	1952.0
66		ELF3(ETS)/PDAC-ELF3-ChIP-Seq(GSE64557)/Homer	1e-38	-8.754e+01	0.0000	1225.0
67		Sp1(Zf)/Promoter/Homer	1e-37	-8.634e+01	0.0000	752.0
68		BORIS(Zf)/K562-CTCF-ChIP-Seq(GSE32465)/Homer	1e-35	-8.171e+01	0.0000	484.0
69		THRb(NR)/Liver-NR1A2-ChIP-Seq(GSE52613)/Homer	1e-34	-7.893e+01	0.0000	5724.0
70		TEAD4(TEA)/Tropoblast-Tead4-ChIP-Seq(GSE37350)/Homer	1e-33	-7.802e+01	0.0000	1356.0

71		ELF5(ETS)/T47D-ELF5-ChIP-Seq(GSE30407)/Homer	1e-33	-7.667e+01	0.0000	1223.0
72		Foxo1(Forkhead)/RAW-Foxo1-ChIP-Seq(Fan_et_al.)/Homer	1e-32	-7.534e+01	0.0000	2764.0
73		Six2(Homeobox)/NephronProgenitor-Six2-ChIP-Seq(GSE39837)/Homer	1e-32	-7.396e+01	0.0000	1464.0
74		PU.1(ETS)/ThioMac-PU.1-ChIP-Seq(GSE21512)/Homer	1e-31	-7.267e+01	0.0000	860.0
75		MafB(bZIP)/BMM-Mafb-ChIP-Seq(GSE75722)/Homer	1e-31	-7.184e+01	0.0000	658.0
76		Egr1(Zf)/K562-Egr1-ChIP-Seq(GSE32465)/Homer	1e-30	-7.134e+01	0.0000	1338.0
77		Ap4(bHLH)/AML-Tfap4-ChIP-Seq(GSE45738)/Homer	1e-30	-7.130e+01	0.0000	2075.0
78		KLF5(Zf)/LoVo-KLF5-ChIP-Seq(GSE49402)/Homer	1e-29	-6.897e+01	0.0000	2350.0
79		CEBP(bZIP)/ThioMac-CEBPb-ChIP-Seq(GSE21512)/Homer	1e-29	-6.743e+01	0.0000	1073.0
80		TEAD(TEA)/Fibroblast-PU.1-ChIP-Seq(Unpublished)/Homer	1e-28	-6.561e+01	0.0000	1088.0
81		HLF(bZIP)/HSC-HLF.Flag-ChIP-Seq(GSE69817)/Homer	1e-28	-6.561e+01	0.0000	1207.0
82		Maz(Zf)/HepG2-Maz-ChIP-Seq(GSE31477)/Homer	1e-27	-6.404e+01	0.0000	2457.0
83		NFAT(RHD)/Jurkat-NFATC1-ChIP-Seq(Jolma_et_al.)/Homer	1e-27	-6.373e+01	0.0000	1467.0
84		NFAT: AP1(RHD,bZIP)/Jurkat-NFATC1-ChIP-Seq(Jolma_et_al.)/Homer	1e-27	-6.225e+01	0.0000	391.0
85		Tlx?(NR)/NPC-H3K4me1-ChIP-Seq(GSE16256)/Homer	1e-26	-6.149e+01	0.0000	703.0
86		Erra(NR)/HepG2-Erra-ChIP-Seq(GSE31477)/Homer	1e-25	-5.795e+01	0.0000	3093.0
87		Esrrb(NR)/mES-Esrrb-ChIP-Seq(GSE11431)/Homer	1e-24	-5.559e+01	0.0000	987.0
88		Atf7(bZIP)/3T3L1-Atf7-ChIP-Seq(GSE56872)/Homer	1e-23	-5.358e+01	0.0000	769.0
89		Atf1(bZIP)/K562-ATF1-ChIP-Seq(GSE31477)/Homer	1e-23	-5.344e+01	0.0000	1052.0
90		TEAD2(TEA)/Py2T-Tead2-ChIP-Seq(GSE55709)/Homer	1e-22	-5.239e+01	0.0000	811.0
91		SCL(bHLH)/HPC7-Sc1-ChIP-Seq(GSE13511)/Homer	1e-20	-4.824e+01	0.0000	6585.0
92		Tgif2(Homeobox)/mES-Tgif2-ChIP-Seq(GSE55404)/Homer	1e-20	-4.820e+01	0.0000	5005.0
93		KLF3(Zf)/MEF-Klf3-ChIP-Seq(GSE44748)/Homer	1e-20	-4.799e+01	0.0000	947.0
94		KLF6(Zf)/PDAC-KLF6-ChIP-Seq(GSE64557)/Homer	1e-20	-4.706e+01	0.0000	1916.0
95		HIF-1a(bHLH)/MCF7-HIF1a-ChIP-Seq(GSE28352)/Homer	1e-20	-4.696e+01	0.0000	538.0

96		FOXK1(Forkhead)/HEK293-FOXK1-ChIP-Seq(GSE51673)/Homer	1e-19	-4.432e+01	0.0000	1456.0
97		Egr2(Zf)/Thymocytes-Egr2-ChIP-Seq(GSE34254)/Homer	1e-19	-4.389e+01	0.0000	399.0
98		Foxo3(Forkhead)/U2OS-Foxo3-ChIP-Seq(E-MTAB-2701)/Homer	1e-19	-4.384e+01	0.0000	1079.0
99		FoxL2(Forkhead)/Ovary-FoxL2-ChIP-Seq(GSE60858)/Homer	1e-18	-4.353e+01	0.0000	1144.0
100		HOXA9(Homeobox)/HSC-Hoxa9-ChIP-Seq(GSE33509)/Homer	1e-18	-4.347e+01	0.0000	987.0
101		Atf4(bZIP)/MEF-Atf4-ChIP-Seq(GSE35681)/Homer	1e-18	-4.258e+01	0.0000	477.0
102		ETS:RUNX(ETS,Runt)/Jurkat-RUNX1-ChIP-Seq(GSE17954)/Homer	1e-18	-4.205e+01	0.0000	205.0
103		Klf9(Zf)/GBM-Klf9-ChIP-Seq(GSE62211)/Homer	1e-18	-4.190e+01	0.0000	738.0
104		CEBP:AP1(bZIP)/ThioMac-CEBPb-ChIP-Seq(GSE21512)/Homer	1e-18	-4.167e+01	0.0000	1107.0
105		HOXB13(Homeobox)/ProstateTumor-HOXB13-ChIP-Seq(GSE56288)/Homer	1e-17	-4.056e+01	0.0000	1411.0
106		Foxf1(Forkhead)/Lung-Foxf1-ChIP-Seq(GSE77951)/Homer	1e-17	-4.032e+01	0.0000	1189.0
107		Atf2(bZIP)/3T3L1-Atf2-ChIP-Seq(GSE56872)/Homer	1e-17	-3.994e+01	0.0000	542.0
108		FOXP1(Forkhead)/H9-FOXP1-ChIP-Seq(GSE31006)/Homer	1e-17	-3.917e+01	0.0000	623.0
109		Nkx6.1(Homeobox)/Islet-Nkx6.1-ChIP-Seq(GSE40975)/Homer	1e-16	-3.896e+01	0.0000	3599.0
110		HOXD13(Homeobox)/Chicken-Hoxd13-ChIP-Seq(GSE38910)/Homer	1e-16	-3.871e+01	0.0000	1400.0
111		Zfp281(Zf)/ES-Zfp281-ChIP-Seq(GSE81042)/Homer	1e-16	-3.859e+01	0.0000	385.0
112		Chop(bZIP)/MEF-Chop-ChIP-Seq(GSE35681)/Homer	1e-16	-3.833e+01	0.0000	386.0
113		Pdx1(Homeobox)/Islet-Pdx1-ChIP-Seq(SRA008281)/Homer	1e-16	-3.824e+01	0.0000	1442.0
114		STAT4(Stat)/CD4-Stat4-ChIP-Seq(GSE22104)/Homer	1e-16	-3.819e+01	0.0000	1373.0
115		FOXK2(Forkhead)/U2OS-FOXK2-ChIP-Seq(E-MTAB-2204)/Homer	1e-16	-3.784e+01	0.0000	926.0
116		Mef2b(MADS)/HEK293-Mef2b.V5-ChIP-Seq(GSE67450)/Homer	1e-16	-3.728e+01	0.0000	1114.0
117		NF1-halfsite(CTF)/LNCaP-NF1-ChIP-Seq(Unpublished)/Homer	1e-16	-3.699e+01	0.0000	2636.0
118		Mef2c(MADS)/GM12878-Mef2c-ChIP-Seq(GSE32465)/Homer	1e-15	-3.611e+01	0.0000	604.0
119		Stat3+ii21(Stat)/CD4-Stat3-ChIP-Seq(GSE19198)/Homer	1e-15	-3.531e+01	0.0000	1005.0
120		Nur77(NR)/K562-NR4A1-ChIP-Seq(GSE31363)/Homer	1e-15	-3.512e+01	0.0000	303.0




121		c-Jun-CRE(bZIP)/K562-cJun-ChIP-Seq(GSE31477)/Homer	1e-15	-3.455e+01	0.0000	484.0
122		Stat3(Stat)/mES-Stat3-ChIP-Seq(GSE11431)/Homer	1e-14	-3.278e+01	0.0000	765.0
123		Lhx3(Homeobox)/Neuron-Lhx3-ChIP-Seq(GSE31456)/Homer	1e-13	-3.218e+01	0.0000	2234.0
124		Mef2a(MADS)/HL1-Mef2a.biotin-ChIP-Seq(GSE21529)/Homer	1e-13	-3.168e+01	0.0000	589.0
125		NRF1(NRF)/MCF7-NRF1-ChIP-Seq(Unpublished)/Homer	1e-13	-3.136e+01	0.0000	312.0
126		CDX4(Homeobox)/ZebrafishEmbryos-Cdx4.Myc-ChIP-Seq(GSE48254)/Homer	1e-13	-3.103e+01	0.0000	1192.0
127		GFY-Staf(?Zf)/Promoter/Homer	1e-13	-3.091e+01	0.0000	117.0
128		Reverb(NR),DR2/RAW-Reverba.biotin-ChIP-Seq(GSE45914)/Homer	1e-12	-2.979e+01	0.0000	234.0
129		Hoxc9(Homeobox)/Ainv15-Hoxc9-ChIP-Seq(GSE21812)/Homer	1e-12	-2.774e+01	0.0000	732.0
130		Pitx1(Homeobox)/Chicken-Pitx1-ChIP-Seq(GSE38910)/Homer	1e-12	-2.769e+01	0.0000	5458.0
131		Unknown(Homeobox)/Limb-p300-ChIP-Seq/Homer	1e-11	-2.755e+01	0.0000	857.0
132		Mef2d(MADS)/Retina-Mef2d-ChIP-Seq(GSE61391)/Homer	1e-11	-2.752e+01	0.0000	297.0
133		Bcl6(Zf)/Liver-Bcl6-ChIP-Seq(GSE31578)/Homer	1e-11	-2.681e+01	0.0000	1929.0
134		Ronin(THAP)/ES-Thap11-ChIP-Seq(GSE51522)/Homer	1e-11	-2.648e+01	0.0000	91.0
135		EBF1(EBF)/Near-E2A-ChIP-Seq(GSE21512)/Homer	1e-10	-2.428e+01	0.0000	1771.0
136		JunD(bZIP)/K562-JunD-ChIP-Seq/Homer	1e-10	-2.420e+01	0.0000	176.0
137		Lhx1(Homeobox)/EmbryoCarcinoma-Lhx1-ChIP-Seq(GSE70957)/Homer	1e-10	-2.311e+01	0.0000	1460.0
138		GFY(?)/Promoter/Homer	1e-9	-2.299e+01	0.0000	40.0
139		FOXA1(Forkhead)/MCF7-FOXA1-ChIP-Seq(GSE26831)/Homer	1e-9	-2.264e+01	0.0000	1203.0
140		FOXA1(Forkhead)/LNCAP-FOXA1-ChIP-Seq(GSE27824)/Homer	1e-9	-2.236e+01	0.0000	1516.0
141		Isl1(Homeobox)/Neuron-Isl1-ChIP-Seq(GSE31456)/Homer	1e-9	-2.157e+01	0.0000	2468.0
142		PAX3:FKHR-fusion(Paired,Homeobox)/Rh4-PAX3:FKHR-ChIP-Seq(GSE19063)/Homer	1e-9	-2.142e+01	0.0000	297.0
143		Nanog(Homeobox)/mES-Nanog-ChIP-Seq(GSE11724)/Homer	1e-9	-2.128e+01	0.0000	5676.0
144		Cdx2(Homeobox)/mES-Cdx2-ChIP-Seq(GSE14586)/Homer	1e-9	-2.088e+01	0.0000	888.0
145		NRF(NRF)/Promoter/Homer	1e-8	-1.948e+01	0.0000	352.0

146		EBF(EBF)/proBcell-EBF-ChIP-Seq(GSE21978)/Homer	1e-8	-1.945e+01	0.0000	383.0
147		Arnt:Ahr(bHLH)/MCF7-Arnt-ChIP-Seq(Lo_et_al.)/Homer	1e-8	-1.927e+01	0.0000	978.0
148		Lhx2(Homeobox)/HFSC-Lhx2-ChIP-Seq(GSE48068)/Homer	1e-8	-1.899e+01	0.0000	1385.0
149		Smad3(MAD)/NPC-Smad3-ChIP-Seq(GSE36673)/Homer	1e-8	-1.892e+01	0.0000	3752.0
150		STAT1(Stat)/HelaS3-STAT1-ChIP-Seq(GSE12782)/Homer	1e-7	-1.832e+01	0.0000	421.0
151		Hoxb4(Homeobox)/ES-Hoxb4-ChIP-Seq(GSE34014)/Homer	1e-7	-1.830e+01	0.0000	311.0
152		PR(NR)/T47D-PR-ChIP-Seq(GSE31130)/Homer	1e-7	-1.819e+01	0.0000	2812.0
153		Rfx6(HTH)/Min6b1-Rfx6.HA-ChIP-Seq(GSE62844)/Homer	1e-7	-1.801e+01	0.0000	1411.0
154		Tgif1(Homeobox)/mES-Tgif1-ChIP-Seq(GSE55404)/Homer	1e-7	-1.780e+01	0.0000	4400.0
155		LXRE(NR)_DR4/RAW-LXRb.biotin-ChIP-Seq(GSE21512)/Homer	1e-7	-1.729e+01	0.0000	82.0
156		OCT:OCT-short(POU,Homeobox)/NPC-OCT6-ChIP-Seq(GSE43916)/Homer	1e-7	-1.679e+01	0.0000	952.0
157		STAT5(Stat)/mCD4+-Stat5-ChIP-Seq(GSE12346)/Homer	1e-7	-1.616e+01	0.0000	477.0
158		Twist(bHLH)/HMLE-TWIST1-ChIP-Seq(Chang_et_al)/Homer	1e-7	-1.615e+01	0.0000	238.0
159		YY1(Zf)/Promoter/Homer	1e-6	-1.609e+01	0.0000	132.0
160		E2F3(E2F)/MEF-E2F3-ChIP-Seq(GSE71376)/Homer	1e-6	-1.598e+01	0.0000	1009.0
161		GATA3(Zf)_DR4/iTreg-Gata3-ChIP-Seq(GSE20898)/Homer	1e-6	-1.529e+01	0.0000	113.0
162		Rbpj1(?)/Panc1-Rbpj1-ChIP-Seq(GSE47459)/Homer	1e-6	-1.525e+01	0.0000	2036.0
163		Klf4(Zf)/mES-Klf4-ChIP-Seq(GSE11431)/Homer	1e-6	-1.493e+01	0.0000	605.0
164		Foxa2(Forkhead)/Liver-Foxa2-ChIP-Seq(GSE25694)/Homer	1e-6	-1.484e+01	0.0000	1010.0
165		PU.1-IRF(ETS:IRF)/Bcell-PU.1-ChIP-Seq(GSE21512)/Homer	1e-6	-1.482e+01	0.0000	1817.0
166		ZNF143(STAF)(Zf)/CUTLL-ZNF143-ChIP-Seq(GSE29600)/Homer	1e-6	-1.462e+01	0.0000	454.0
167		RORgt(NR)/EL4-RORgt.Flag-ChIP-Seq(GSE56019)/Homer	1e-6	-1.452e+01	0.0000	188.0
168		PAX5(Paired,Homeobox)/GM12878-PAX5-ChIP-Seq(GSE32465)/Homer	1e-6	-1.418e+01	0.0000	507.0
169		FOXM1(Forkhead)/MCF7-FOXM1-ChIP-Seq(GSE72977)/Homer	1e-6	-1.406e+01	0.0000	1231.0

170		TATA-Box(TBP)/Promoter/Homer	1e-5	-1.381e+01	0.0000	1587.0
171		PGR(NR)/EndoStromal-PGR-ChIP-Seq(GSE69539)/Homer	1e-5	-1.363e+01	0.0000	307.0
172		ZNF467(Zf)/HEK293-ZNF467.GFP-ChIP-Seq(GSE58341)/Homer	1e-5	-1.344e+01	0.0000	1339.0
173		ZFX(Zf)/mES-Zfx-ChIP-Seq(GSE11431)/Homer	1e-5	-1.319e+01	0.0000	1971.0
174		GFY(?)/Promoter/Homer	1e-5	-1.295e+01	0.0000	125.0
175		bZIP:IRF(bZIP,IRF)/Th17-BatF-ChIP-Seq(GSE39756)/Homer	1e-5	-1.249e+01	0.0000	572.0
176		Meis1(Homeobox)/MastCells-Meis1-ChIP-Seq(GSE48085)/Homer	1e-5	-1.225e+01	0.0000	2386.0
177		ETS:E-box(ETS,bHLH)/HPC7-Scl-ChIP-Seq(GSE22178)/Homer	1e-5	-1.221e+01	0.0000	135.0
178		NFY(CCAAT)/Promoter/Homer	1e-5	-1.215e+01	0.0000	1011.0
179		Foxa3(Forkhead)/Liver-Foxa3-ChIP-Seq(GSE77670)/Homer	1e-5	-1.208e+01	0.0000	413.0
180		Pitx1:Ebox(Homeobox,bHLH)/Hindlimb-Pitx1-ChIP-Seq(GSE41591)/Homer	1e-5	-1.167e+01	0.0000	267.0
181		E2F4(E2F)/K562-E2F4-ChIP-Seq(GSE31477)/Homer	1e-5	-1.160e+01	0.0000	759.0
182		Gfi1b(Zf)/HPC7-Gfi1b-ChIP-Seq(GSE22178)/Homer	1e-4	-1.151e+01	0.0000	816.0
183		MyoD(bHLH)/Myotube-MyoD-ChIP-Seq(GSE21614)/Homer	1e-4	-1.147e+01	0.0000	1172.0
184		Tcf4(HMG)/Hct116-Tcf4-ChIP-Seq(SRA012054)/Homer	1e-4	-1.138e+01	0.0000	591.0
185		Nr5a2(NR)/Pancreas-LRH1-ChIP-Seq(GSE34295)/Homer	1e-4	-1.126e+01	0.0000	877.0
186		RAR:RXR(NR).DR5/ES-RAR-ChIP-Seq(GSE56893)/Homer	1e-4	-1.118e+01	0.0000	63.0
187		Rfx2(HTH)/LoVo-RFX2-ChIP-Seq(GSE49402)/Homer	1e-4	-1.035e+01	0.0001	153.0
188		MYB(HTH)/ERMYB-Myb-ChIPSeq(GSE22095)/Homer	1e-4	-1.035e+01	0.0001	2325.0
189		ZNF711(Zf)/SHSY5Y-ZNF711-ChIP-Seq(GSE20673)/Homer	1e-4	-1.003e+01	0.0001	2843.0
190		PAX5(Paired,Homeobox),condensed/GM12878-PAX5-ChIP-Seq(GSE32465)/Homer	1e-4	-9.865e+00	0.0001	168.0
191		GSC(Homeobox)/FrogEmbryos-GSC-ChIP-Seq(DRA000576)/Homer	1e-4	-9.822e+00	0.0001	1270.0
192		IRF:BATF(IRF:bZIP)/pDC-Irf8-ChIP-Seq(GSE66899)/Homer	1e-4	-9.720e+00	0.0001	169.0
193		CTCF-SatelliteElement(Zf?)/CD4+-CTCF-ChIP-Seq(Barski_et_al.)/Homer	1e-4	-9.647e+00	0.0001	23.0
194		SpiB(ETS)/OCILY3-SPIB-ChIP-Seq(GSE56857)/Homer	1e-4	-9.601e+00	0.0001	336.0

195		ZNF189(Zf)/HEK293-ZNF189.GFP-ChIP-Seq(GSE58341)/Homer	1e-4	-9.599e+00	0.0001	1071.0
196		ZNF317(Zf)/HEK293-ZNF317.GFP-ChIP-Seq(GSE58341)/Homer	1e-3	-9.202e+00	0.0002	143.0
197		Tcf21(bHLH)/ArterySmoothMuscle-Tcf21-ChIP-Seq(GSE61369)/Homer	1e-3	-9.201e+00	0.0002	1396.0
198		Myf5(bHLH)/GM-Myf5-ChIP-Seq(GSE24852)/Homer	1e-3	-9.113e+00	0.0002	1013.0
199		ZNF416(Zf)/HEK293-ZNF416.GFP-ChIP-Seq(GSE58341)/Homer	1e-3	-8.795e+00	0.0003	1870.0
200		Oct4:Sox17(POU,Homeobox,HMG)/F9-Sox17-ChIP-Seq(GSE44553)/Homer	1e-3	-8.773e+00	0.0003	176.0
201		ZBTB33(Zf)/GM12878-ZBTB33-ChIP-Seq(GSE32465)/Homer	1e-3	-8.732e+00	0.0003	76.0
202		Barx1(Homeobox)/Stomach-Barx1.3xFlag-ChIP-Seq(GSE69483)/Homer	1e-3	-8.716e+00	0.0003	581.0
203		THRA(NR)/C17.2-THRA-ChIP-Seq(GSE38347)/Homer	1e-3	-8.611e+00	0.0003	583.0
204		STAT6(Stat)/CD4-Stat6-ChIP-Seq(GSE22104)/Homer	1e-3	-8.546e+00	0.0003	755.0
205		Foxh1(Forkhead)/hESC-FOXH1-ChIP-Seq(GSE29422)/Homer	1e-3	-8.545e+00	0.0003	778.0
206		AR-halfsite(NR)/LNCaP-AR-ChIP-Seq(GSE27824)/Homer	1e-3	-8.523e+00	0.0004	5012.0
207		IRF2(IRF)/Erythroblasts-IRF2-ChIP-Seq(GSE36985)/Homer	1e-3	-8.233e+00	0.0005	153.0
208		RFX(HTH)/K562-RFX3-ChIP-Seq(SRA012198)/Homer	1e-3	-7.757e+00	0.0007	133.0
209		IRF8(IRF)/BMDM-IRF8-ChIP-Seq(GSE77884)/Homer	1e-3	-7.730e+00	0.0008	444.0
210		MyoG(bHLH)/C2C12-MyoG-ChIP-Seq(GSE36024)/Homer	1e-3	-7.446e+00	0.0010	1541.0
211		Pax8(Paired,Homeobox)/Thyroid-Pax8-ChIP-Seq(GSE26938)/Homer	1e-3	-7.312e+00	0.0012	420.0
212		NFkB-p65-Rel(RHD)/ThioMac-LPS-Expression(GSE23622)/Homer	1e-3	-7.203e+00	0.0013	88.0
213		KLF10(Zf)/HEK293-KLF10.GFP-ChIP-Seq(GSE58341)/Homer	1e-3	-7.177e+00	0.0013	836.0
214		PAX6(Paired,Homeobox)/Forebrain-Pax6-ChIP-Seq(GSE66961)/Homer	1e-3	-7.038e+00	0.0015	106.0
215		E2F6(E2F)/Hela-E2F6-ChIP-Seq(GSE31477)/Homer	1e-3	-7.031e+00	0.0015	852.0
216		PU.1:IRF8(ETS:IRF)/pDC-Irf8-ChIP-Seq(GSE66899)/Homer	1e-3	-6.933e+00	0.0016	268.0
217		NeuroG2(bHLH)/Fibroblast-NeuroG2-ChIP-Seq(GSE75910)/Homer	1e-3	-6.918e+00	0.0017	2095.0
218		BMYB(HTH)/Hela-BMYB-ChIP-Seq(GSE27030)/Homer	1e-3	-6.915e+00	0.0017	1930.0
219		RBPJ:Ebox(? ,bHLH)/Panc1-Rbpj1-ChIP-Seq(GSE47459)/Homer	1e-2	-6.873e+00	0.0017	450.0

220		Fox:Ebox(Forkhead,bHLH)/Panc1-Foxa2-ChIP-Seq(GSE47459)/Homer	1e-2	-6.852e+00	0.0018	1209.0
221		E2F(E2F)/Hela-CellCycle-Expression/Homer	1e-2	-6.762e+00	0.0019	98.0
222		STAT6(Stat)/Macrophage-Stat6-ChIP-Seq(GSE38377)/Homer	1e-2	-6.730e+00	0.0020	755.0
223		SF1(NR)/H295R-Nr5a1-ChIP-Seq(GSE44220)/Homer	1e-2	-6.541e+00	0.0024	550.0
224		Atoh1(bHLH)/Cerebellum-Atoh1-ChIP-Seq(GSE22111)/Homer	1e-2	-6.527e+00	0.0024	1499.0
225		Gata4(Zf)/Heart-Gata4-ChIP-Seq(GSE35151)/Homer	1e-2	-6.270e+00	0.0031	1106.0
226		GATA3(Zf)/iTreg-Gata3-ChIP-Seq(GSE20898)/Homer	1e-2	-6.170e+00	0.0034	1676.0
227		p53(p53)/Saos-p53-ChIP-Seq(GSE15780)/Homer	1e-2	-5.988e+00	0.0040	117.0
228		p53(p53)/Saos-p53-ChIP-Seq/Homer	1e-2	-5.988e+00	0.0040	117.0
229		ISRE(IRF)/ThioMac-LPS-Expression(GSE23622)/Homer	1e-2	-5.798e+00	0.0048	89.0
230		EKLf(Zf)/Erythrocyte-Klf1-ChIP-Seq(GSE20478)/Homer	1e-2	-5.793e+00	0.0048	270.0
231		CRX(Homeobox)/Retina-Crx-ChIP-Seq(GSE20012)/Homer	1e-2	-5.758e+00	0.0050	2630.0
232		Rfx5(HTH)/GM12878-Rfx5-ChIP-Seq(GSE31477)/Homer	1e-2	-5.736e+00	0.0051	365.0
233		E2F1(E2F)/Hela-E2F1-ChIP-Seq(GSE22478)/Homer	1e-2	-5.593e+00	0.0058	379.0
234		GRE(NR),IR3/RAW264.7-GRE-ChIP-Seq(Unpublished)/Homer	1e-2	-5.545e+00	0.0061	278.0
235		NF1:FOXA1(CTF,Forkhead)/LNCAP-FOXA1-ChIP-Seq(GSE27824)/Homer	1e-2	-5.495e+00	0.0064	66.0
236		GATA:SCL(Zf,bHLH)/Ter119-SCL-ChIP-Seq(GSE18720)/Homer	1e-2	-5.417e+00	0.0068	134.0
237		E2F7(E2F)/Hela-E2F7-ChIP-Seq(GSE32673)/Homer	1e-2	-5.415e+00	0.0068	198.0
238		Rfx1(HTH)/NPC-H3K4me1-ChIP-Seq(GSE16256)/Homer	1e-2	-5.267e+00	0.0079	261.0
239		Gata6(Zf)/HUG1N-GATA6-ChIP-Seq(GSE51936)/Homer	1e-2	-5.103e+00	0.0093	1002.0
240		Hand2(bHLH)/Mesoderm-Hand2-ChIP-Seq(GSE61475)/Homer	1e-2	-5.010e+00	0.0101	555.0
241		AMYB(HTH)/Testes-AMYB-ChIP-Seq(GSE44588)/Homer	1e-2	-4.927e+00	0.0109	1979.0
242		IRF4(IRF)/GM12878-IRF4-ChIP-Seq(GSE32465)/Homer	1e-2	-4.837e+00	0.0119	548.0
243		Srebp1a(bHLH)/HepG2-Srebp1a-ChIP-Seq(GSE31477)/Homer	1e-2	-4.733e+00	0.0132	280.0
244		p53(p53)/mES-cMyc-ChIP-Seq(GSE11431)/Homer	1e-2	-4.727e+00	0.0132	25.0

245		Smad2(MAD)/ES-SMAD2-ChIP-Seq(GSE29422)/Homer	1e-2	-4.707e+00	0.0134	2027.0
246		RXR(NR),DR1/3T3L1-RXR-ChIP-Seq(GSE13511)/Homer	1e-2	-4.687e+00	0.0136	1441.0
247		ERE(NR),IR3/MCF7-ERa-ChIP-Seq(Unpublished)/Homer	1e-2	-4.658e+00	0.0140	325.0