

Motifs Enriched in IDC gained Sites

MOTIF NAME	pValue	% of Target Sequences with Motif	% of Background Sequences with Motif
CTCF(Zf)/ CD4+CTCF-ChIP-Seq(Barski_et_al.)/Homer	1e-621	24.50%	2.63%
BORIS(Zf)/ K562-CTCF-ChIP-Seq(GSE32465)/Homer	1e-501	29.32%	5.49%
GRHL2(CP2)/ HBE-GRHL2-ChIP-Seq(GSE46194)/Homer	1.00E-43	9.99%	4.67%
BATF(bZIP)/ Th17-BATF-ChIP-Seq(GSE39756)/Homer	1.00E-35	13.69%	7.90%
Atf3(bZIP)/ GBM-ATF3-ChIP-Seq(GSE33912)/Homer	1.00E-33	13.82%	8.11%
Fra2(bZIP)/ Striatum-Fra2-ChIP-Seq(GSE43429)/Homer	1.00E-33	11.01%	5.97%
JunB(bZIP)/ DendriticCells-Junb-ChIP-Seq(GSE36099)/Homer	1.00E-33	12.13%	6.83%

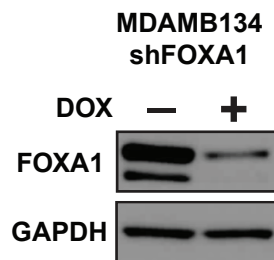
Motifs Enriched in non-differentiated Sites

MOTIF NAME	pValue	% of Target Sequences with Motif	% of Background Sequences with Motif
CTCF(Zf)/ CD4+CTCF-ChIP-Seq(Barski_et_al.)/Homer	1e-5630	14.89%	2.20%
BORIS(Zf)/ K562-CTCF-ChIP-Seq(GSE32465)/Homer	1e-4079	17.70%	4.48%
FOXM1(Forkhead)/ MCF7-FOXM1-ChIP-Seq(GSE72977)/Homer	1e-1679	24.80%	13.10%
FOXA1(Forkhead)/ MCF7-FOXA1-ChIP-Seq(GSE26831)/Homer	1e-1667	24.06%	12.57%
FOXA1(Forkhead)/ LNCAP-FOXA1-ChIP-Seq(GSE27824)/Homer	1e-1641	27.60%	15.38%
Jun-AP1(bZIP)/ K562-cJun-ChIP-Seq(GSE31477)/Homer	1e-1524	8.99%	2.80%
Fosl2(bZIP)/ 3T3L1-Fosl2-ChIP-Seq(GSE56872)/Homer	1e-1517	11.12%	4.02%

Motifs Enriched in ILC gained Sites

MOTIF NAME	pValue	% of Target Sequences with Motif	% of Background Sequences with Motif
FOXA1(Forkhead)/ LNCAP-FOXA1-ChIP-Seq(GSE27824)/Homer	1e-867	41.14%	14.38%
FOXA1(Forkhead)/ MCF7-FOXA1-ChIP-Seq(GSE26831)/Homer	1e-795	35.40%	11.52%
FOXM1(Forkhead)/ MCF7-FOXM1-ChIP-Seq(GSE72977)/Homer	1e-765	36.45%	12.49%
Foxa2(Forkhead)/ Liver-Foxa2-ChIP-Seq(GSE25694)/Homer	1e-688	31.96%	10.54%
Fox:Ebox(Forkhead,bHLH)/ Panc1-Foxa2-ChIP-Seq(GSE47459)/Homer	1e-520	38.78%	17.42%
AP-2gamma(AP2)/ MCF7-TFAP2C-ChIP-Seq(GSE21234)/Homer	1e-515	35.85%	15.37%
Foxa3(Forkhead)/ Liver-Foxa3-ChIP-Seq(GSE77670)/Homer	1e-515	44.89%	22.22%

B



C

