

TF	Cell Type	Peaks	Bound Windows	Frac. Bound	Accession ID
CEBPA	Adipocyte	53157	396024	0.77%	GSE27450
CTCF	Adipocyte	48914	376510	0.73%	GSE20752
PPARG	Adipocyte	58757	462122	0.90%	GSE20752
BHLHE40	Erythroid	27808	217471	0.42%	ENCSR000EGV
CTCF	Erythroid	59803	476076	0.92%	ENCSR000DMA
E2F4	Erythroid	9109	68965	0.13%	ENCSR000EWL
ELF1	Erythroid	32683	258940	0.50%	ENCSR000BMD
ETS1	Erythroid	13775	101997	0.20%	ENCSR000BKQ
GATA1	Erythroid	14676	113735	0.22%	ENCSR000EFT
JUND	Erythroid	47180	367973	0.71%	ENCSR000EGN
MAFK	Erythroid	27213	213251	0.41%	ENCSR000EGX
MAX	Erythroid	37342	286474	0.56%	ENCSR000EFV
MAZ	Erythroid	40398	308748	0.60%	ENCSR000EFX
MEF2A	Erythroid	6407	49536	0.10%	ENCSR000BNV
MXI1	Erythroid	9081	70132	0.14%	ENCSR000EGZ
MYC	Erythroid	31378	233216	0.45%	ENCSR000EGJ
NRF1	Erythroid	4436	36511	0.07%	ENCSR000EHH
TAL1	Erythroid	29476	229424	0.45%	ENCSR000EHB
UBTF	Erythroid	19228	139064	0.27%	ENCSR000EFZ
USF1	Erythroid	22382	177524	0.34%	ENCSR000BKT
USF2	Erythroid	3621	29702	0.06%	ENCSR000EHG
CTCF	Erythroid progenitor	36729	292844	0.57%	GSE26501
GATA1	Erythroid progenitor	25710	198358	0.38%	GSE26501
TAL1	Erythroid progenitor	38152	285562	0.55%	GSE26501
CTCF	ESC	57384	466110	0.90%	ENCSR000BNH
MAFK	ESC	13422	109310	0.21%	ENCSR000EBS
NANOG	ESC	8905	72332	0.14%	ENCSR000BMT
POU5F1	ESC	5029	41330	0.08%	ENCSR000BMU
FLI1	Hematopoietic progenitor	38760	310707	0.60%	GSE45144
LMO2	Hematopoietic progenitor	2037	16312	0.03%	GSE45144
RUNX1	Hematopoietic progenitor	29950	241749	0.47%	GSE45144
SPI1	Hematopoietic progenitor	167273	1283083	2.49%	GSE70660
BHLHE40	Lymphoblast	28651	227674	0.44%	ENCSR000DZJ
CTCF	Lymphoblast	41765	339466	0.66%	ENCSR000DZN
E2F4	Lymphoblast	4375	35071	0.07%	ENCSR000DYY
ELF1	Lymphoblast	27369	212273	0.41%	ENCSR000BMB
ETS1	Lymphoblast	12912	103978	0.20%	ENCSR000BKA
IRF4	Lymphoblast	23043	182227	0.35%	ENCSR000BGY
JUND	Lymphoblast	7602	61307	0.12%	ENCSR000DYS
MAX	Lymphoblast	13605	104721	0.20%	ENCSR000DZF
MAZ	Lymphoblast	23166	175906	0.34%	ENCSR000DZA
MEF2A	Lymphoblast	22588	180702	0.35%	ENCSR000BKB
MXI1	Lymphoblast	21737	164076	0.32%	ENCSR000DZI
MYC	Lymphoblast	4950	37375	0.07%	ENCSR000DKU
NRF1	Lymphoblast	3363	27933	0.05%	ENCSR000DZO
TBP	Lymphoblast	19535	147978	0.29%	ENCSR000DZZ
TCF12	Lymphoblast	25023	201436	0.39%	ENCSR000BGZ
USF1	Lymphoblast	8461	69700	0.14%	ENCSR000BGI
USF2	Lymphoblast	4450	36621	0.07%	ENCSR000DZU
SPI1	Macrophage	88793	693731	1.35%	GSE31621
FLI1	Megakaryocyte	4649	38182	0.07%	GSE24674
GATA1	Megakaryocyte	4147	33052	0.06%	GSE24674
RUNX1	Megakaryocyte	58757	209261	0.41%	GSE24674

Table S7: Summary statistics for all additional human datasets. The human genome filtered window set consisted of 51548966 windows in total.