

Table 1: Transcription factor used in constructing regulatory grammars

TF	logo	regulatory rammar
NFYA		homo_cluster_1
POU3F2		homo_cluster_2
TP53		homo_cluster_3
ESRRA		homo_cluster_4
IRF1		homo_cluster_5
KLF1		hetero_cluster_1
MEF2A		hetero_cluster_1
YY1		hetero_cluster_1, hetero_cluster_2
GATA1		hetero_cluster_1, enhanceosome_2
RUNX3		hetero_cluster_2
PDX1		hetero_cluster_2
BCL11A		hetero_cluster_2, hetero_cluster_3
E2F1		hetero_cluster_3
FOXA1		hetero_cluster_3
NR2F2		hetero_cluster_3, hetero_cluster_4
VDR		hetero_cluster_4
BACH1		hetero_cluster_4
FOS		hetero_cluster_4, hetero_cluster_5
MAFG		hetero_cluster_5
ERG		hetero_cluster_5
STAT5B		hetero_cluster_5, enhanceosome_1
TCF7		enhanceosome_1
MAX		enhanceosome_1
LYL1		enhanceosome_1, enhanceosome_2
PBX1		enhanceosome_2
CEBPA		enhanceosome_2