

Yin et al., 2017 Database S1.

Click links below to see scatter-plots for individual TF in the corresponding family

AP2	Homeodomain	RHD
bHLH	Homeodomain+MEIS	RUNX
bZIP	Homeodomain+POU	SAND
CP2	HSF	T_box
CSD	IRF	TEA
CUT	MAD	Znf_GATA
DM	MADS	Znf_C2H2
E2F	MYB	BTB/POZ_Znf_C2H2
ETS	NFI	KRAB_Znf_C2H2
Forkhead	Nuclear receptor	SCAN_Znf_C2H2
GCM	PAX	Znf_others
HMG	RFX	

- Subsequences containing CpG dinucleotide
- Subsequences without CpG dinucleotide
- ● Subsequences more enriched than any other subsequence within a Huddinge distance of 1

X-axis: Counts of subsequences enriched from HT-SELEX

Y-axis: Counts of subsequences enriched from Methyl-HT-SELEX

A **Signal from Another TF family:** Raw sequence data contains reads belonging to another TF family. These are not included to the model presented as the seed excludes them. Information provided to aid bioinformatic analyses of full data.

B **CG frequency Below cut-off:** CG containing subsequences were detected, but frequency of the CG was below the 10% cut-off for calling the effect of methylation on binding.

C **Call based on bisulfite SELEX:** kmer analysis does not detect effect, call is based on bisulfite SELEX. This is caused mostly by absolute requirement for CG in site, in which case the small fraction of unmethylated CG containing ligands that is left after MSssl treatment is enriched.

M **Motif-dependent effect:** TF has multiple motifs, with different effect of CG methylation.

N **Weak enrichment with Non-specific signal:** Enrichment for the motif was weak, there is also signal for enrichment of subsequences that enrich weakly in many weak or failed experiments.

S **Suboptimal k-mer length:** kmer is too short or long compared to the corresponding motif. 8mer analysis does not detect the CG or doesn't detect the CG at the correct position.

U **Unique reads used to detect signal:** Selection library has low diversity after selection, unique reads used to detect signal.

W **Weak:** Obtained motif has relatively low number of reads or weak enrichment.





















































