

General Motif Characteristics:

Top Similar Looking Motifs:

ENCODE.UA1	0.036	
HOMER.GFX(?) .Promoter	0.039	
HOMER.ZBTB33.GM12878-ZBTB33-ChIP-Seq	0.068	
HCMC.KAISO_f1.wm	0.200	
HTSELEX.ZBED1.znf_BED.DBD.dimeric.wm1	0.204	
HCMC.TFDP1_f1.wm	0.275	
HCMC.E2F4_do.wm	0.297	
HCMC.E2F1_f2.wm	0.299	
UNIPROBE.Irf6_secondary.wm	0.308	
JASPAR.Pax6.wm	0.309	

Statistics:

- Motif name: denovo_WM_21
- Enrichment: 2.95121645049
- log-Likelihood Ratio: 541.108720728
- Area under precision recall curve: 0.5226

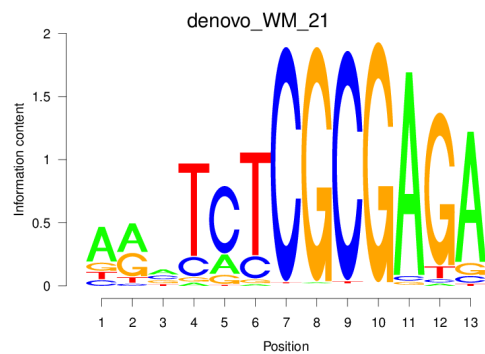


Figure 1: Logo of Weight Matrix

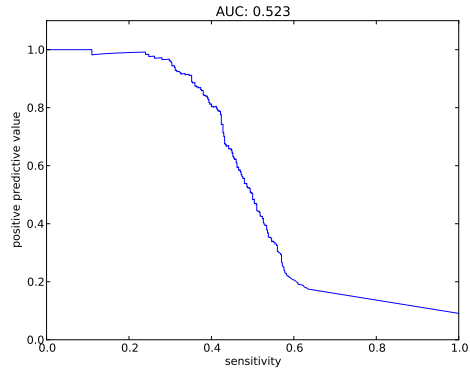


Figure 2: Precision and Recall curve

Statistics for TFBS - Peak Centering and Peak Posterior - Peak Height Correlation:

0.1

Overall statistics:

- Number of true peaks out of total number of peaks: 1334/37435
- 3.56 percent are true.
- Cut-off: minimum summed posterior of 0.20
- Peak plots contain TFBS of posterior ≥ 0.20

Statistic for centering of TFBSs at peak centers:

- Enrichment at binding sites: 17.0817

Correlation between peak Z-score and number of binding sites at peak: 0.4347

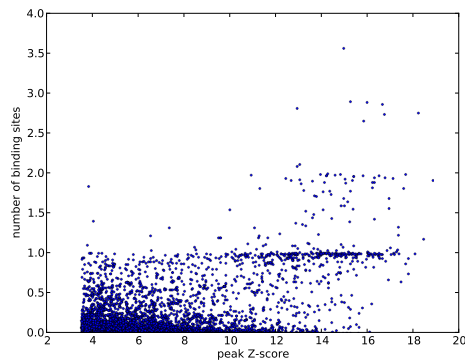


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

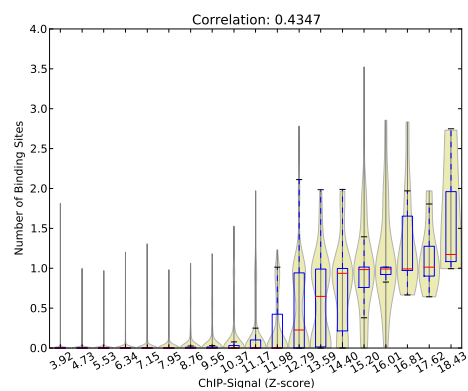


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

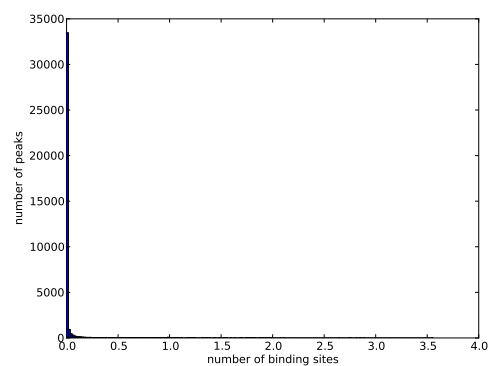


Figure 5: Histogram of number of binding sites at peaks

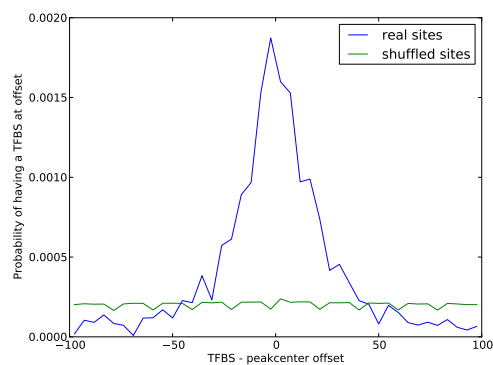


Figure 6: Histogram of distances of TFBS to its nearest peak center

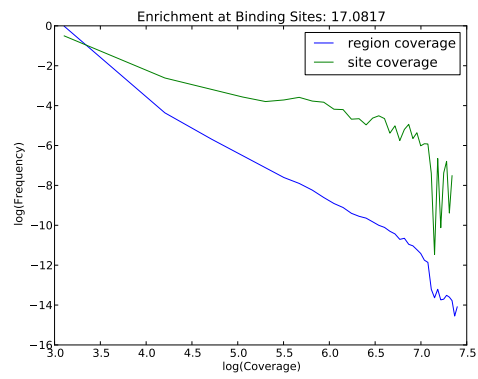


Figure 7: Histograms of coverage at sites and in total regions