

## General Motif Characteristics:

### Top Similar Looking Motifs:

ENCODE.ZNF143-ext	0.150	
HOMER.GFY-Staf.Promoters	0.237	
HCMC.RUNX3.si.wm	0.270	
HTSELEX.ETV6.ETS.full.dimeric.wm1	0.279	
ENCODE.CTCF-ext	0.294	
HOMER.GFY(?) .Promoter	0.303	
RBPJ.p2	0.316	
ARID5B.p2	0.323	
HCMC.DDIT3_f1.wm	0.324	
NR3C1.p2	0.326	

### Statistics:

- Motif name: denovo\_WM\_17
- Enrichment: 11.8496549353
- log-Likelihood Ratio: 1236.14937389
- Area under precision recall curve: 0.1837

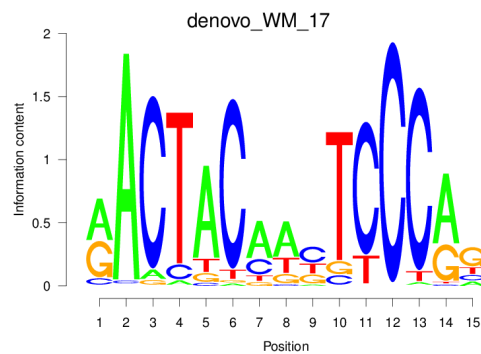


Figure 1: Logo of Weight Matrix

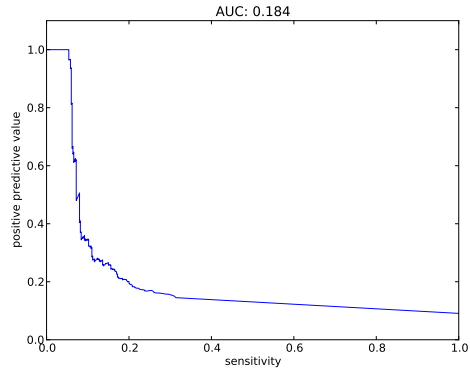


Figure 2: Precision and Recall curve

## 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: 1577/37435
- 4.21 percent are true.
- Cut-off: minimum summed posterior of 0.20
- Peak plots contain TFBS of posterior  $\geq 0.20$

Statistic for centering of TFBSs at peak centers:

- Enrichment at binding sites: 3.3121

Correlation between peak Z-score and number of binding sites at peak: 0.1478

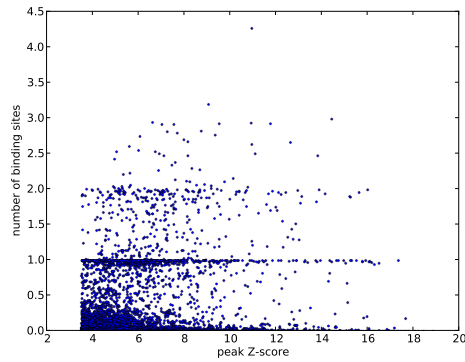


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

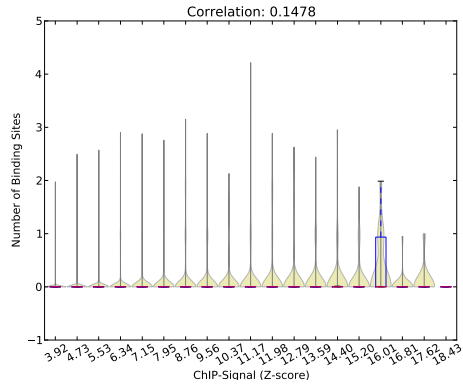


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

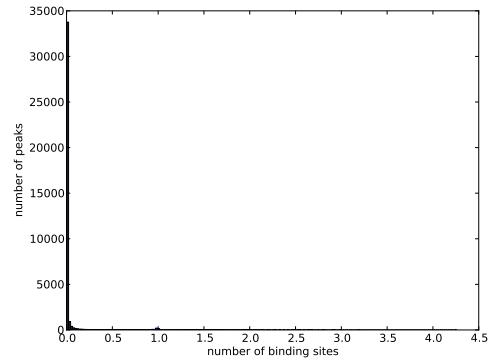


Figure 5: Histogram of number of binding sites at peaks

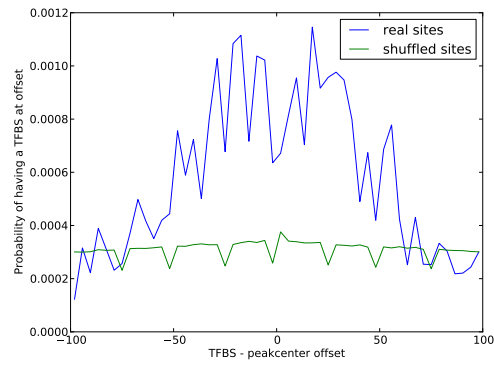


Figure 6: Histogram of distances of TFBS to its nearest peak center

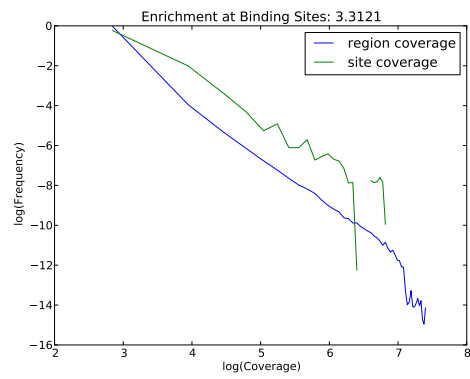


Figure 7: Histograms of coverage at sites and in total regions