

General Motif Characteristics:

Top Similar Looking Motifs:

ENCODE.ZNF143-ext	0.019	
HOMER.GFY-Staf.Promoters		0.200
HCMC.ZN143_si.wm	0.268	
ZNF143.p2	0.276	
STAT5{A,B}.p2	0.304	
JASPAR.znf143.wm	0.351	
JASPAR.STAT1.wm	0.352	
RBPJ.p2	0.354	
ENCODE.STAT1	0.359	
HCMC.RUNX3_si.wm	0.363	

Statistics:

- Motif name: denovo_WM_17
- Enrichment: 38.3333106779
- log-Likelihood Ratio: 1823.15962434
- Area under precision recall curve: 0.9021

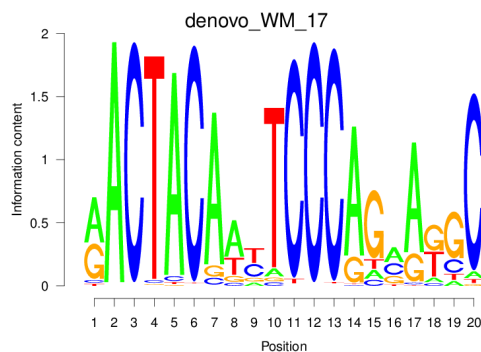


Figure 1: Logo of Weight Matrix

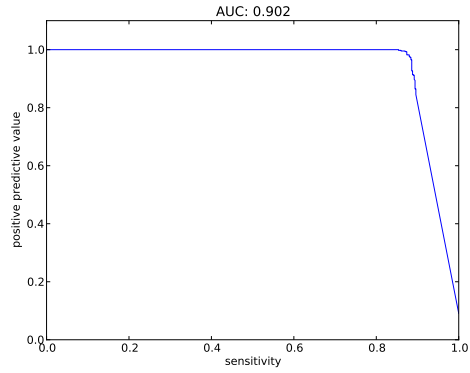


Figure 2: Precision and Recall curve

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: 2215/36955
- 5.99 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: 42.3756

Correlation between peak Z-score and number of binding sites at peak: 0.64

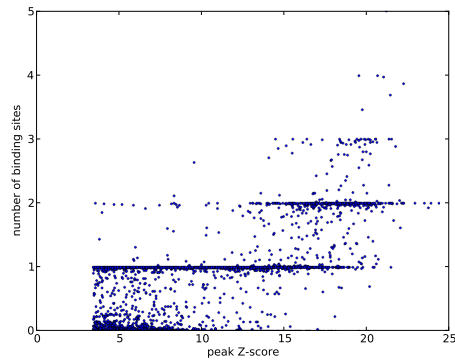


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

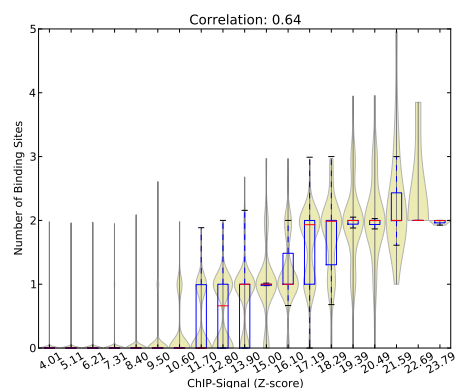


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

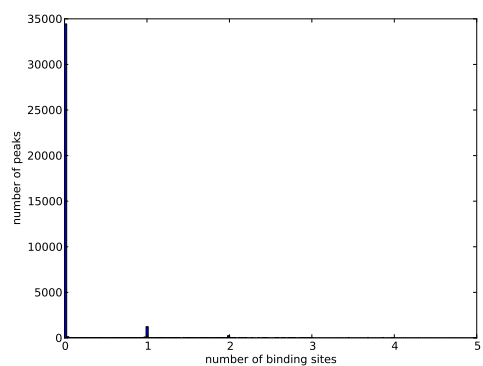


Figure 5: Histogram of number of binding sites at peaks

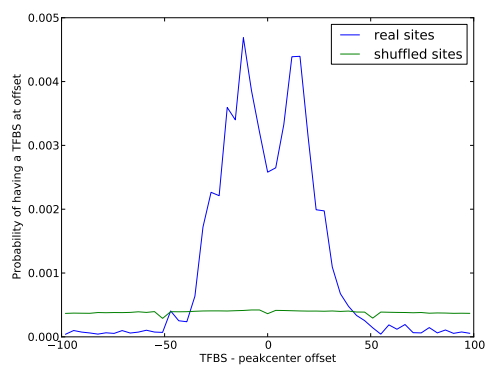


Figure 6: Histogram of distances of TFBS to its nearest peak center

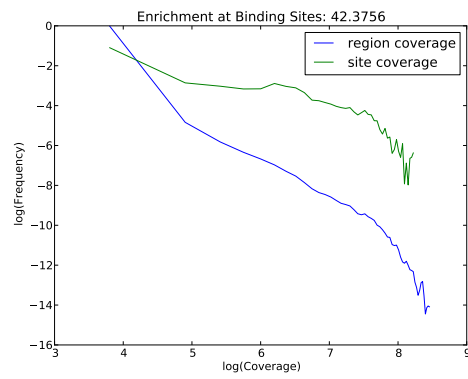


Figure 7: Histograms of coverage at sites and in total regions