

General Motif Characteristics:

Top Similar Looking Motifs:

ENCODE.ZNF143-ext	0.130	
HCMC.RUNX3.si.wm	0.267	
HOMER.GFY-Staf.Promoters	0.298	
ENCODE.CTCF-ext	0.307	
ARID5B.p2	0.314	
HTSELEX.SOX8.HMG.full.dimeric.wm2	0.319	
RBPJ.p2	0.320	
UNIPROBE.Gmeb1.secondary.wm	0.321	
HCMC.DDIT3_f1.wm	0.325	
HTSELEX.SOX8.HMG.DBD.dimeric.wm2	0.327	

Statistics:

- Motif name: denovo_WM_16
- Enrichment: 33.6204585027
- log-Likelihood Ratio: 1757.56738284
- Area under precision recall curve: 0.9036

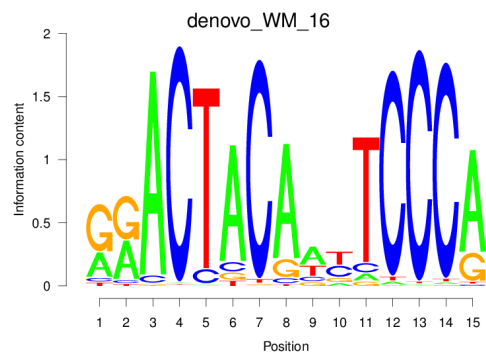


Figure 1: Logo of Weight Matrix

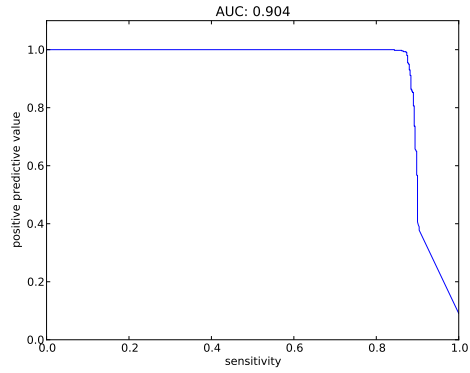


Figure 2: Precision and Recall curve

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: 2949/36955
- 7.98 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: 24.1159

Correlation between peak Z-score and number of binding sites at peak: 0.6174

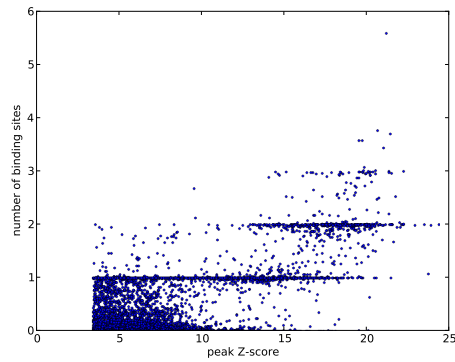


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

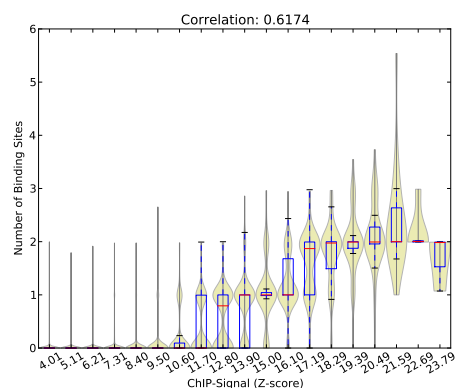


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

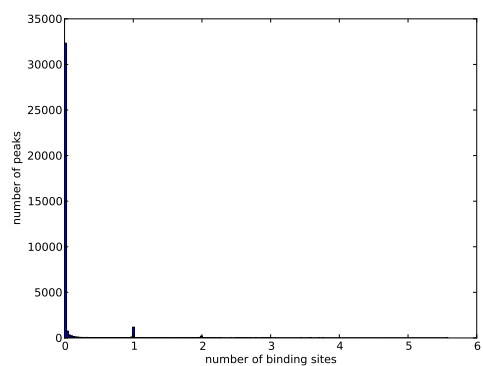


Figure 5: Histogram of number of binding sites at peaks

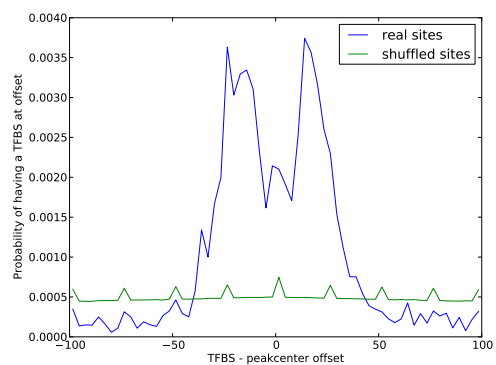


Figure 6: Histogram of distances of TFBS to its nearest peak center

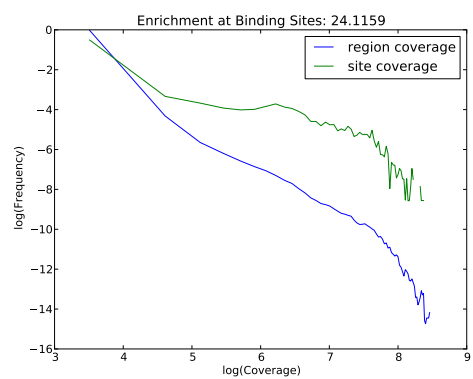


Figure 7: Histograms of coverage at sites and in total regions