

General Motif Characteristics:

Top Similar Looking Motifs:

ENCODE.CTCF	0.016	
HCMC.CTCF_f2.wm	0.072	
JASPAR.CTCF.wm	0.073	
CTCF.p2	0.078	
HOMER.BORIS(Zf).K562-CTCF-ChIP-Seq	0.081	
HOMER.CTCF(Zf).CD4-CTCF-ChIP-Seq	0.086	
HTSELEX.CTCF.C2H2.full.monomeric.wm1	0.116	
UNIPROBE.UW.Motif.0003.wm	0.123	
TFAP2B.p2	0.261	
MYOD1.p2	0.272	

Statistics:

- Motif name: denovo_WM_17
- Enrichment: 52.3675860077
- log-Likelihood Ratio: 1979.14390614
- Area under precision recall curve: 0.9236

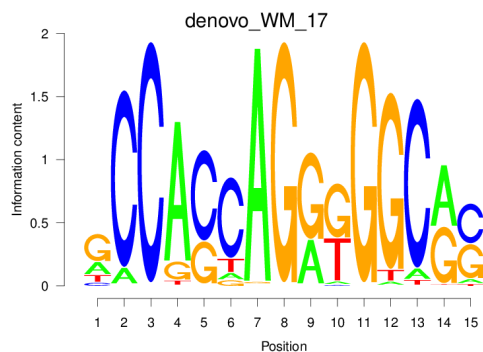


Figure 1: Logo of Weight Matrix

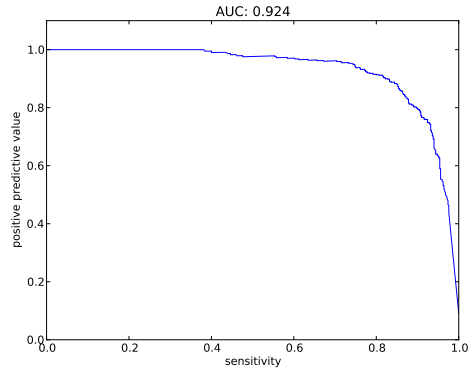


Figure 2: Precision and Recall curve

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: 22675/44017
- 51.51 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: 5.2711

Correlation between peak Z-score and number of binding sites at peak: 0.4473

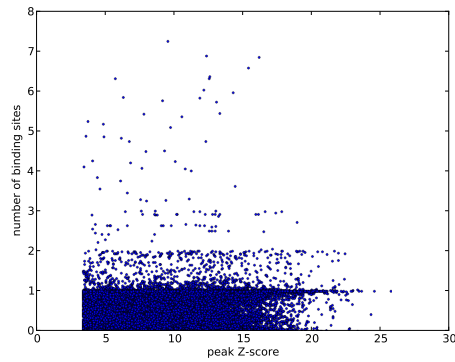


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

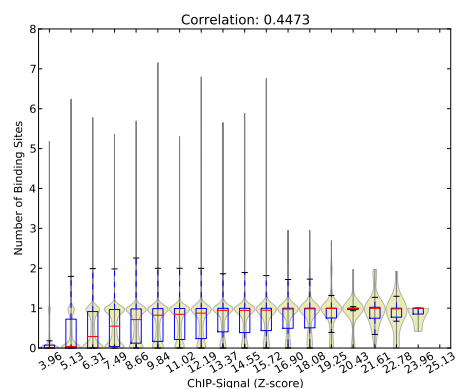


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

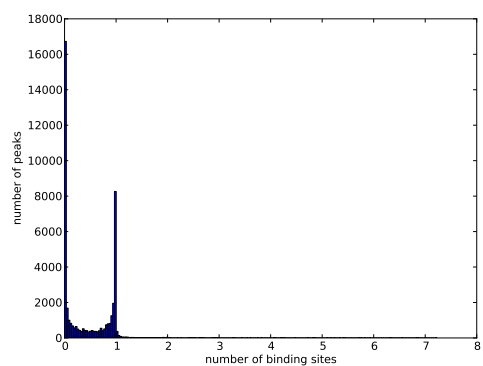


Figure 5: Histogram of number of binding sites at peaks

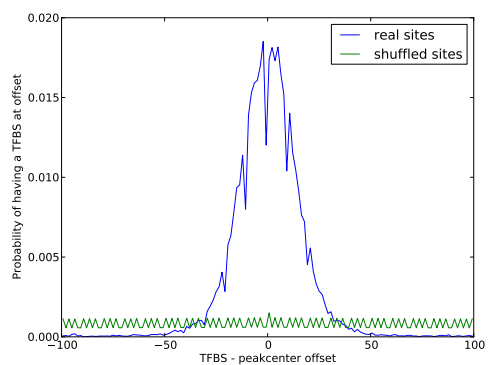


Figure 6: Histogram of distances of TFBS to its nearest peak center

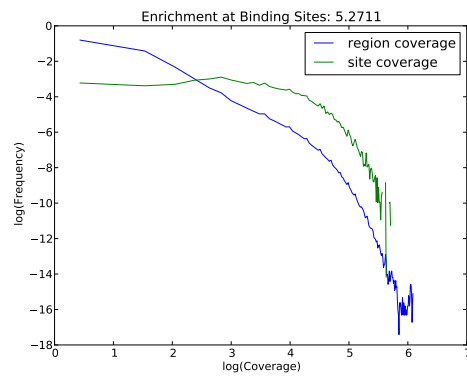


Figure 7: Histograms of coverage at sites and in total regions