

General Motif Characteristics:

Top Similar Looking Motifs:

ENCODE.UA1	0.037	
HOMER.GFX(?) .Promoter	0.041	
HOMER.ZBTB33.GM12878-ZBTB33-ChIP-Seq	0.068	
HCMC.KAISO_f1.wm	0.203	
HTSELEX.ZBED1.znf_BED.DBD.dimeric.wm1	0.212	
HCMC.TFDP1_f1.wm	0.269	
HCMC.E2F1_f2.wm	0.292	
HCMC.E2F4_do.wm	0.293	
HCMC.E2F3_si.wm	0.297	
JASPAR.Pax6.wm	0.302	

Statistics:

- Motif name: denovo_WM_19
- Enrichment: 2.89725406722
- log-Likelihood Ratio: 531.881707527
- Area under precision recall curve: 0.5269

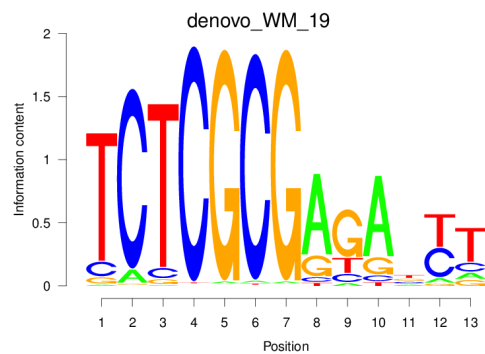


Figure 1: Logo of Weight Matrix

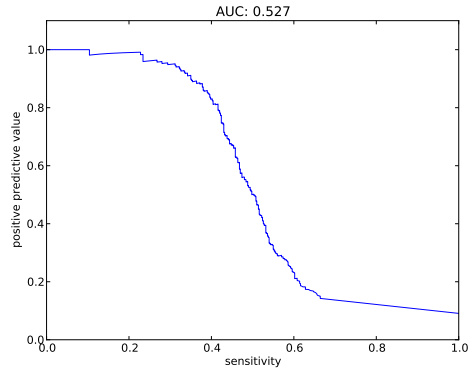


Figure 2: Precision and Recall curve

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: 1832/37435
- 4.89 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: 12.8959

Correlation between peak Z-score and number of binding sites at peak: 0.4298

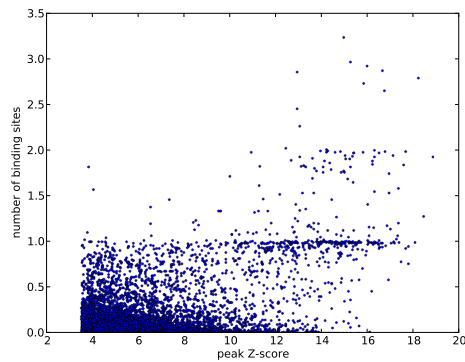


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

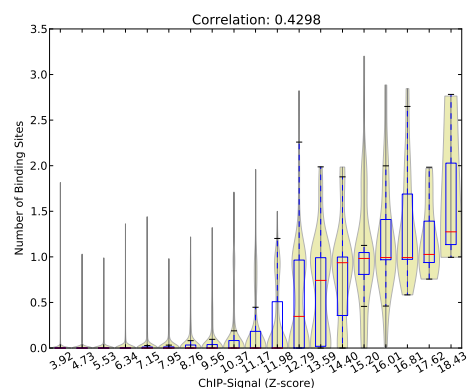


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

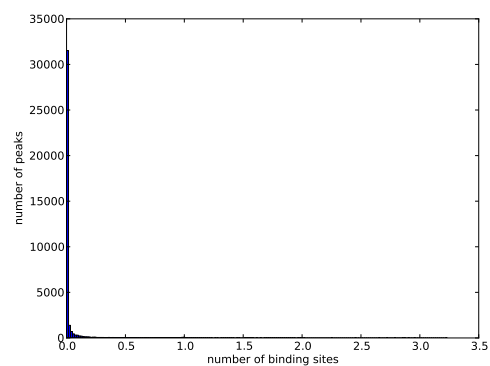


Figure 5: Histogram of number of binding sites at peaks

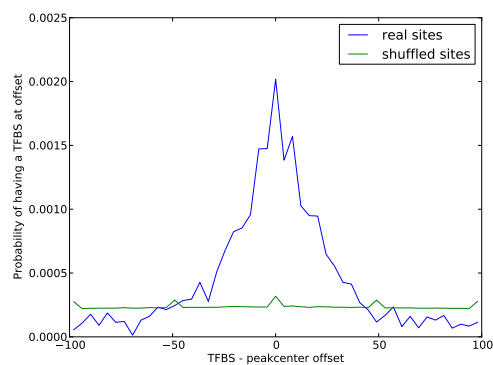


Figure 6: Histogram of distances of TFBS to its nearest peak center

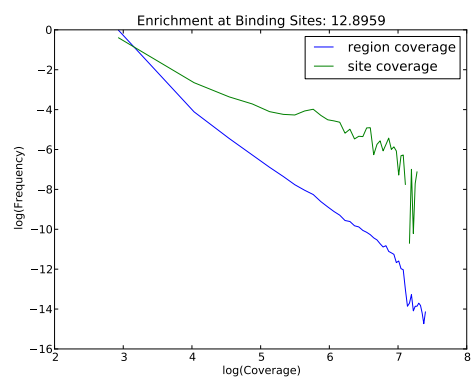


Figure 7: Histograms of coverage at sites and in total regions