

## General Motif Characteristics:

### Top Similar Looking Motifs:

HCMC.NFYA_f1.wm	0.033
HCMC.NFYB_f1.wm	0.035
ENCODE.NFY	0.067
HCMC.CEBPZ_si.wm	0.068
HCMC.FOXI1_f1.wm	0.073
HCMC.NFYC_f1.wm	0.075
JASPAR.NFYA.wm	0.083
HCMC.FOS_si.wm	0.097
HCMC.PBX3_f2.wm	0.099
HCMC.YBOX1_f2.wm	0.137

### Statistics:

- Motif name: denovo\_WM\_8
- Enrichment: 2.00930740329
- log-Likelihood Ratio: 348.895043606
- Area under precision recall curve: 0.4668

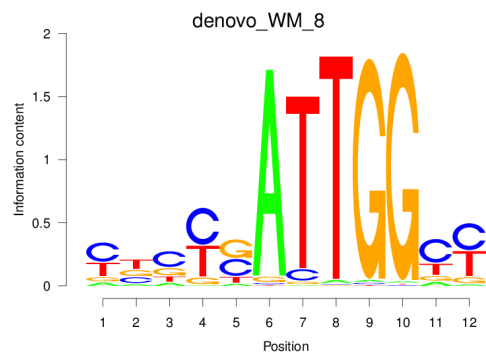


Figure 1: Logo of Weight Matrix

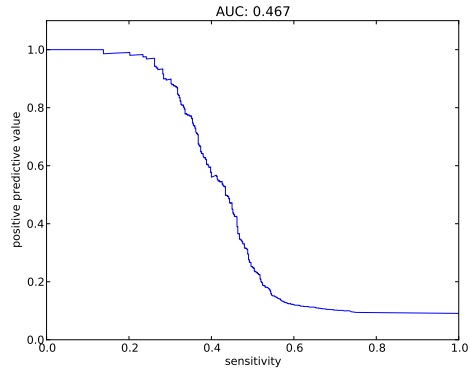


Figure 2: Precision and Recall curve

## 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: 5456/37435
- 14.57 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: 3.368

Correlation between peak Z-score and number of binding sites at peak: 0.3646

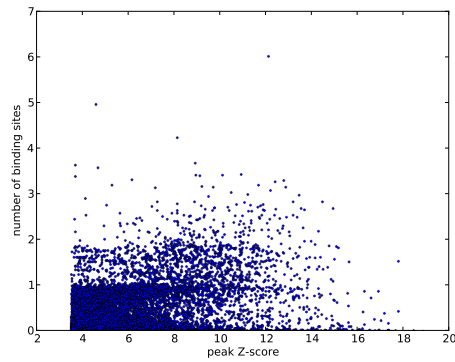


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

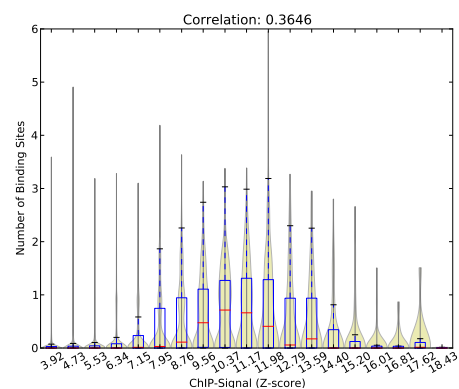


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

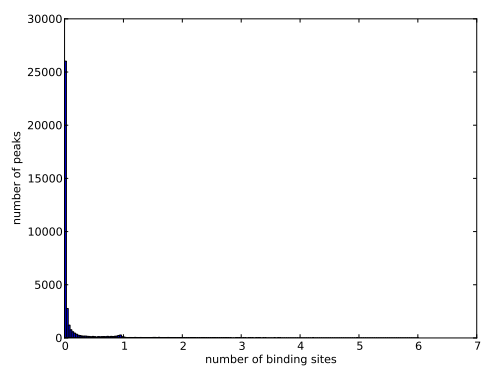


Figure 5: Histogram of number of binding sites at peaks

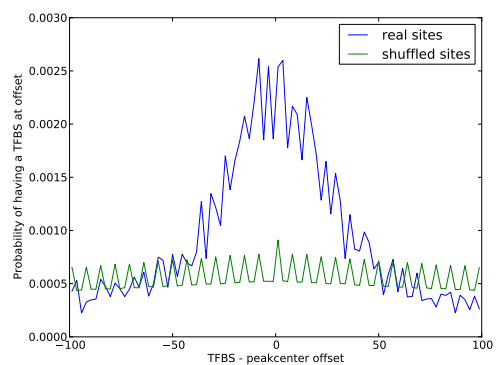


Figure 6: Histogram of distances of TFBS to its nearest peak center

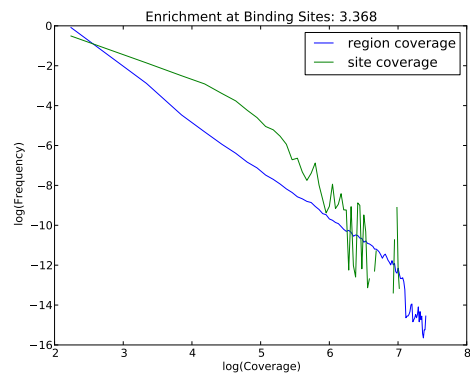


Figure 7: Histograms of coverage at sites and in total regions