

General Motif Characteristics:

Top Similar Looking Motifs:

HCMC.NFYA_f1.wm	0.030
HCMC.NFYB_f1.wm	0.032
HCMC.FOXI1_f1.wm	0.046
HCMC.CEBPZ_si.wm	0.065
ENCODE.NFY	0.065
HCMC.NFYC_f1.wm	0.079
JASPAR.NFYA.wm	0.083
HCMC.FOS_si.wm	0.085
HCMC.PBX3_f2.wm	0.088
HCMC.YBOX1_f2.wm	0.156

Statistics:

- Motif name: denovo_WM_7
- Enrichment: 18.4564202506
- log-Likelihood Ratio: 1457.70614551
- Area under precision recall curve: 0.8785

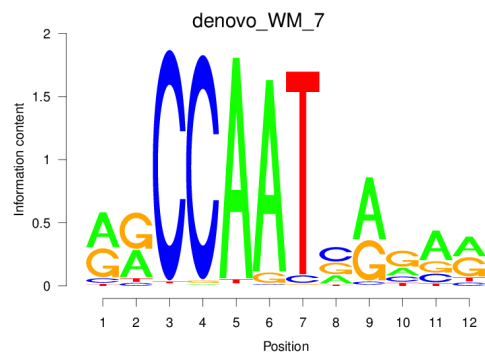


Figure 1: Logo of Weight Matrix

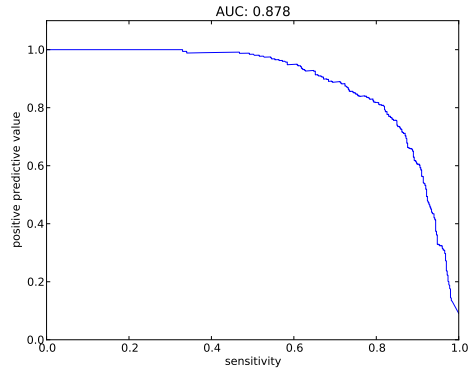


Figure 2: Precision and Recall curve

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: 1193/1464
- 81.49 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: 3.3062

Correlation between peak Z-score and number of binding sites at peak: 0.3268

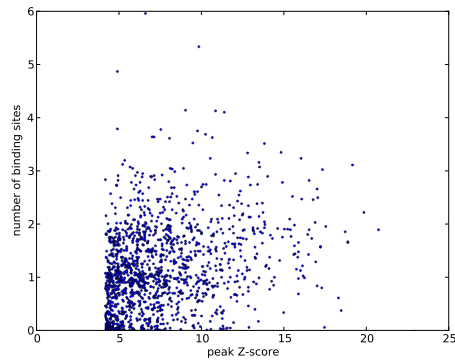


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

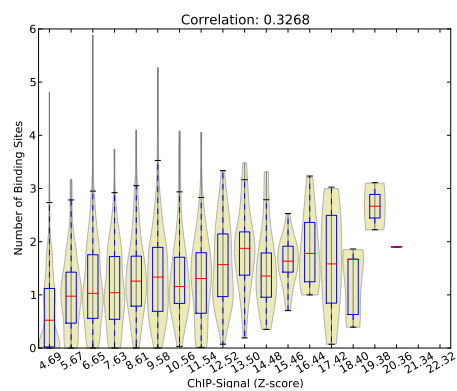


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

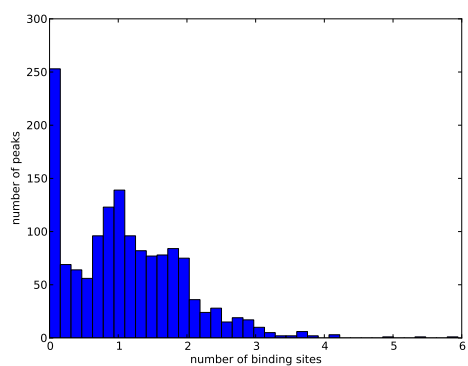


Figure 5: Histogram of number of binding sites at peaks

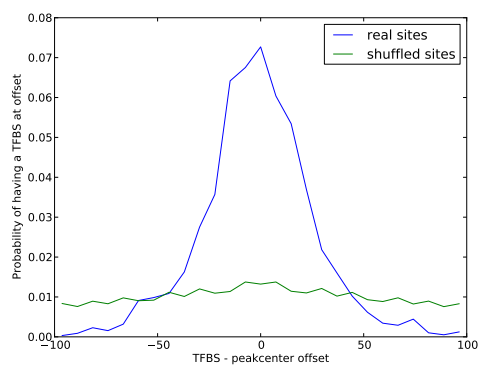


Figure 6: Histogram of distances of TFBS to its nearest peak center

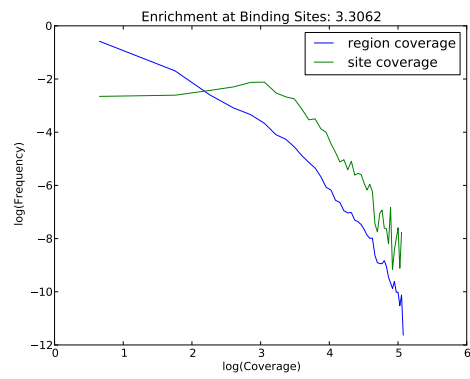


Figure 7: Histograms of coverage at sites and in total regions