

General Motif Characteristics:

Top Similar Looking Motifs:

HCMC.NFYA_f1.wm	0.000
HCMC.NFYB_f1.wm	0.003
ENCODE.NFY	0.040
HCMC.NFYC_f1.wm	0.040
JASPAR.NFYA.wm	0.050
HCMC.PBX3_f2.wm	0.059
HCMC.FOXI1_f1.wm	0.059
HCMC.CEBPZ_si.wm	0.066
HCMC.FOS_si.wm	0.093
HCMC.YBOX1_f2.wm	0.157

Statistics:

- Motif name: HCMC.NFYA_f1.wm
- Enrichment: 2.19266198826
- log-Likelihood Ratio: 392.558162719
- Area under precision recall curve: 0.4510

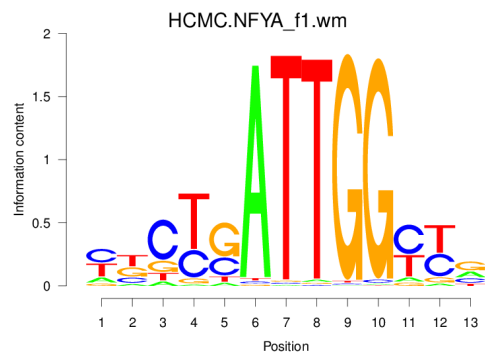


Figure 1: Logo of Weight Matrix

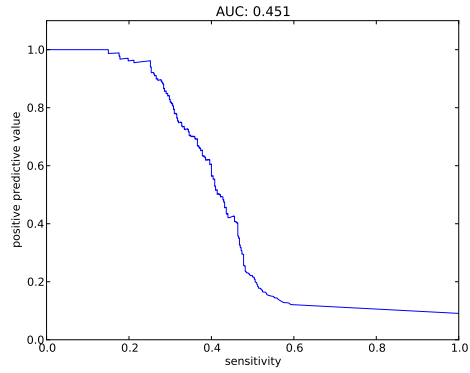


Figure 2: Precision and Recall curve

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: 3983/37435
- 10.64 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: 4.0781

Correlation between peak Z-score and number of binding sites at peak: 0.343

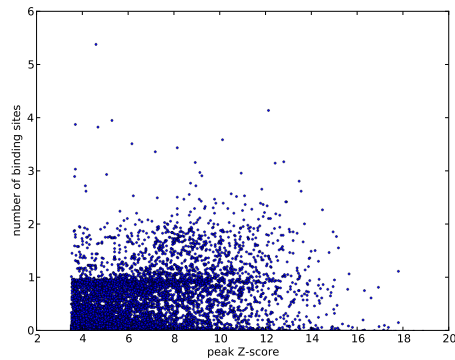


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

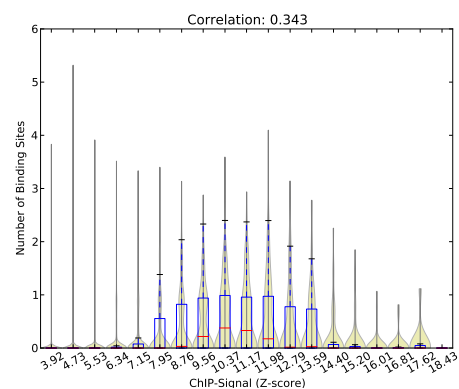


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

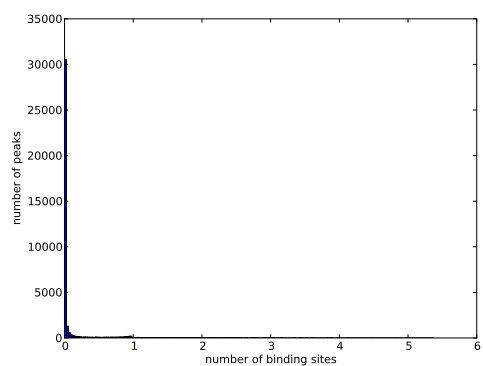


Figure 5: Histogram of number of binding sites at peaks

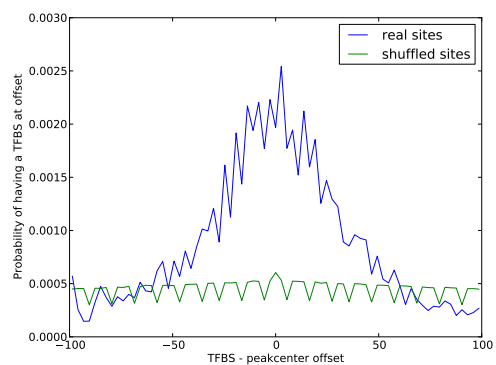


Figure 6: Histogram of distances of TFBS to its nearest peak center

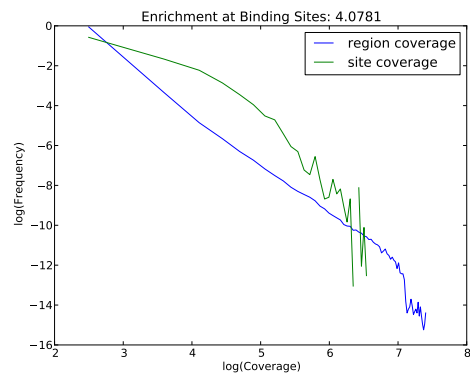


Figure 7: Histograms of coverage at sites and in total regions