General Motif Characteristics:

Top Similar Looking Motifs:

HCMC.NFYB_f1.wm 0.000
HCMC.NFYA_f1.wm 0.003
HCMC.NFYC_f1.wm 0.036
ENCODE.NFY   0.040
JASPAR.NFYA.wm   0.054
HCMC.PBX3_f2.wm 0.058
HCMC.FOXI1_f1.wm   0.058
HCMC.CEBPZ_si.wm   0.059
HCMC.FOS_si.wm   0.099
HCMC.YBOX1_f2.wm   0.159

Statistics:

- Motif name: HCMC.NFYB_f1.wm
- Enrichment: 19.9025974368
- log-Likelihood Ratio: 1495.42512384
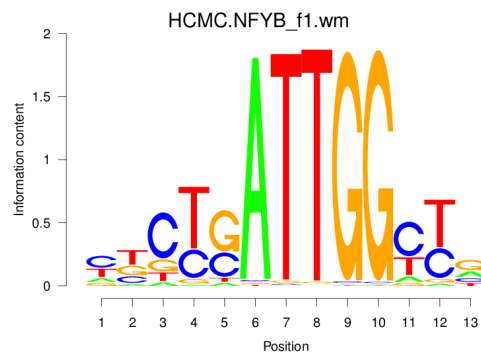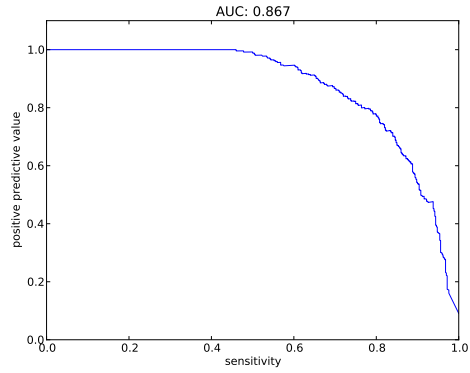- Area under precision recall curve: 0.8668

Figure 1: Logo of Weight Matrix

AUC: 0.867

Figure 2: Precision and Recall curve

Statistics for TFBS - Peak Centering and Peak Posterior - Peak Height Correlation:

0.1

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Overall statistics:
        − Number of true peaks out of total number of peaks: 1158/1464
        − 79.10 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: 3.2635
Correlation between peak Z−score and number of binding sites at peak: 0.281
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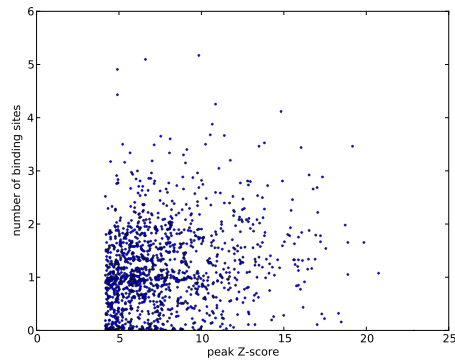

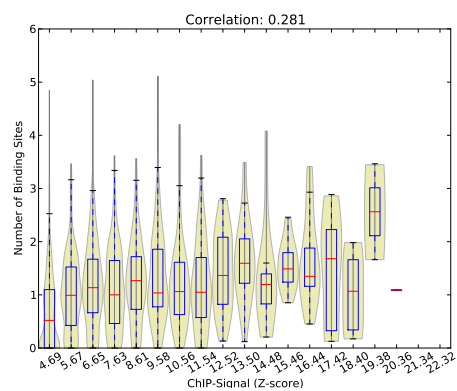Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

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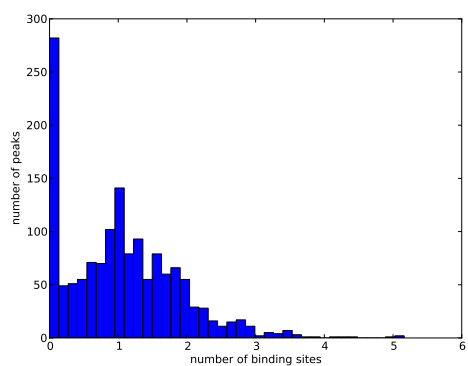

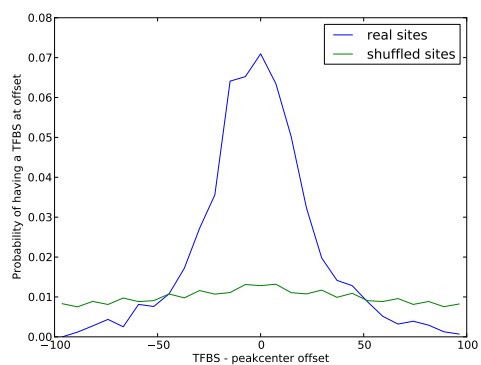Figure 5: Histogram of number of binding sites at peaks

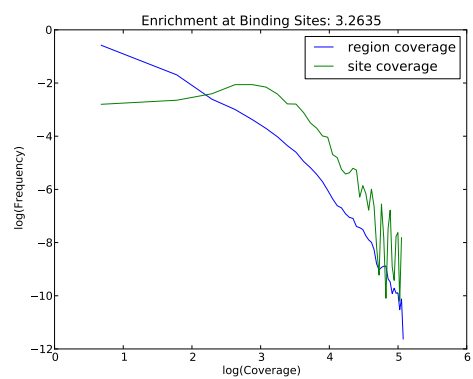Figure 6: Histogram of distances of TFBS to its nearest peak center

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