

## 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: 18.5841418512
- log-Likelihood Ratio: 1461.15431421
- Area under precision recall curve: 0.8770

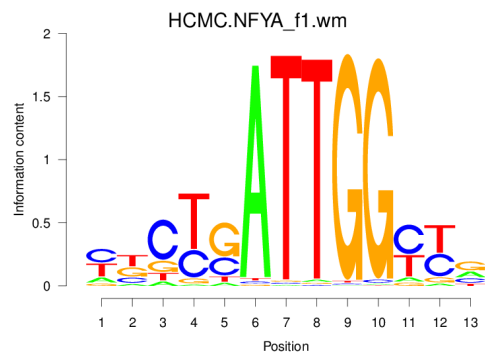


Figure 1: Logo of Weight Matrix

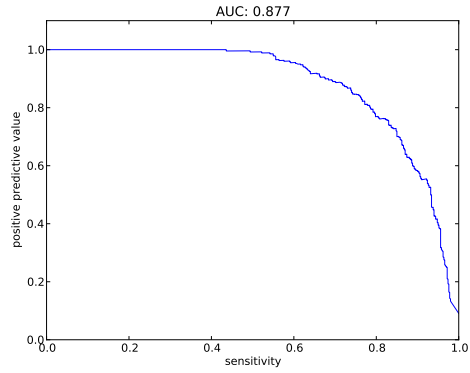


Figure 2: Precision and Recall curve

## 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: 1185/1464
- 80.94 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: 3.2646

Correlation between peak Z-score and number of binding sites at peak: 0.2984

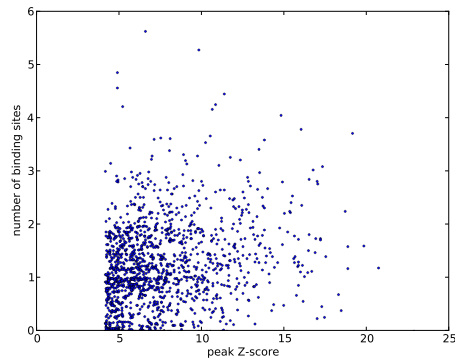


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

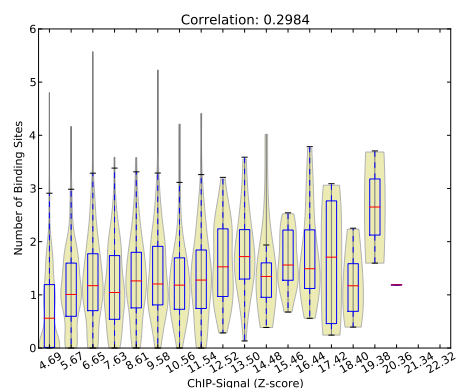


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

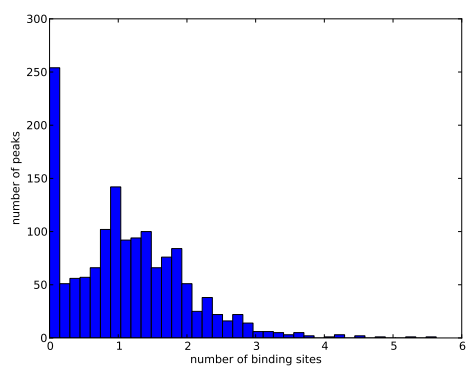


Figure 5: Histogram of number of binding sites at peaks

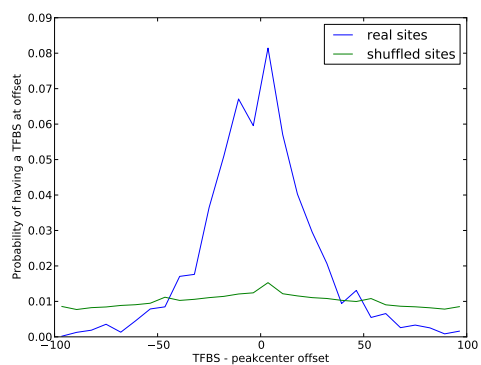


Figure 6: Histogram of distances of TFBS to its nearest peak center

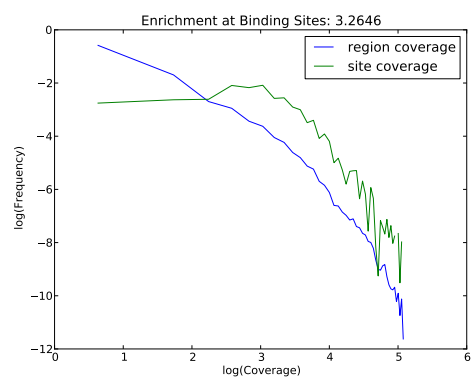


Figure 7: Histograms of coverage at sites and in total regions