

General Motif Characteristics:

Top Similar Looking Motifs:

| | | |
|---------------------------|-------|--|
| JASPAR.NFYA.wm | 0.000 | |
| ENCODE.NFY | 0.026 | |
| HCMC.NFYA_f1.wm | 0.050 | |
| HCMC.NFYB_f1.wm | 0.054 | |
| HCMC.NFYC_f1.wm | 0.056 | |
| HCMC.PBX3_f2.wm | 0.077 | |
| HCMC.FOXI1_f1.wm | 0.113 | |
| HCMC.CEBPZ_si.wm | 0.114 | |
| HCMC.FOS_si.wm | 0.147 | |
| UNIPROBE.Barhl1_2590.2.wm | 0.176 | |

Statistics:

- Motif name: JASPAR.NFYA.wm
- Enrichment: 2.0932577947
- log-Likelihood Ratio: 369.360802913
- Area under precision recall curve: 0.4398

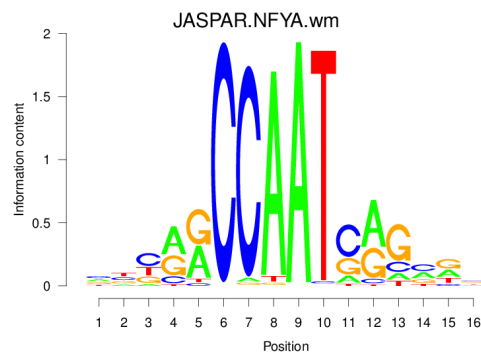


Figure 1: Logo of Weight Matrix

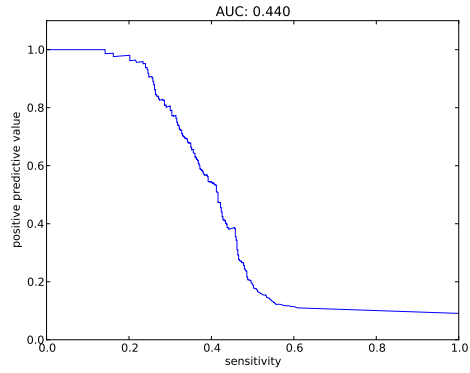


Figure 2: Precision and Recall curve

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: 4122/37435
- 11.01 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: 4.0866

Correlation between peak Z-score and number of binding sites at peak: 0.3477

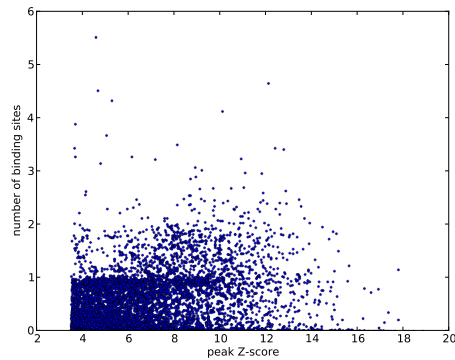


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

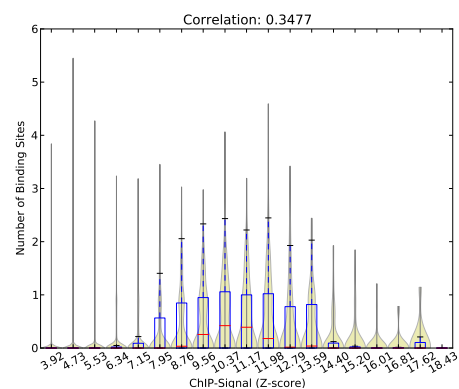


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

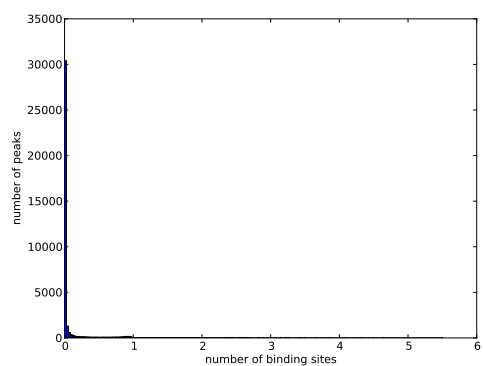


Figure 5: Histogram of number of binding sites at peaks

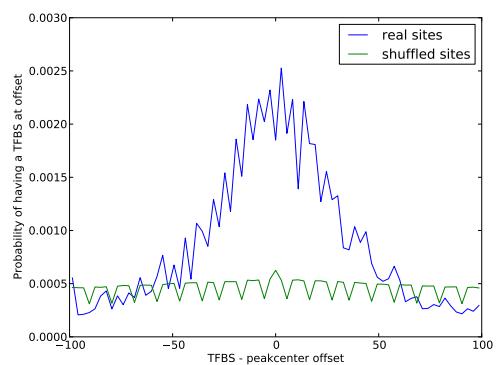


Figure 6: Histogram of distances of TFBS to its nearest peak center

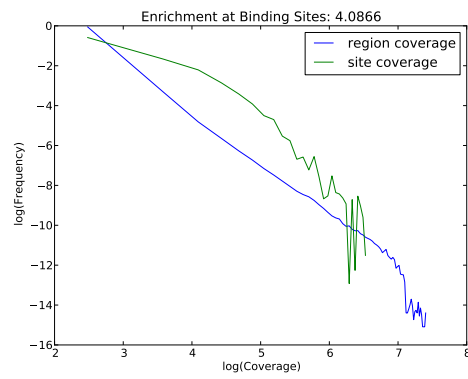


Figure 7: Histograms of coverage at sites and in total regions