

General Motif Characteristics:

Top Similar Looking Motifs:

HCMC.IRF8_si.wm 0.000
HCMC.IRF2_f1.wm 0.062
HCMC.STAT2_f1.wm 0.080
HCMC.IRF1_si.wm 0.083
ENCODE.STAT2 0.085
JASPAR.IRF1.wm 0.115
HCMC.IRF3_f1.wm 0.121
HTSELEX.IRF7.IRF.DBD.dimeric.wm1 0.128
UNIPROBE.Irf3_primary.wm 0.128
IRF1,2,7.p3 0.132

Statistics:

- Motif name: HCMC.IRF8_si.wm
- Enrichment: 4.71779030538
- log-Likelihood Ratio: 775.670267169
- Area under precision recall curve: 0.3464

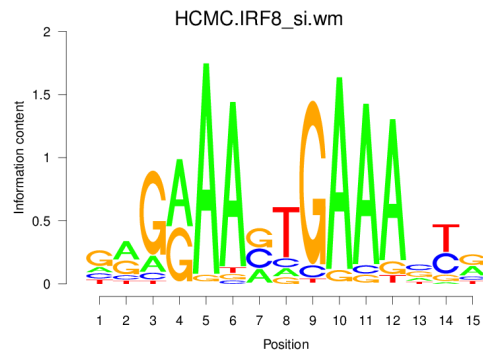


Figure 1: Logo of Weight Matrix

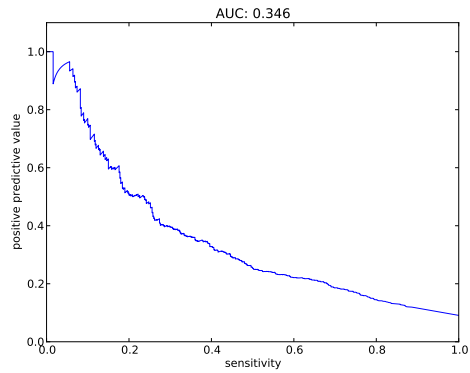


Figure 2: Precision and Recall curve

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: 1580/5038
- 31.36 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: 1.4845

Correlation between peak Z-score and number of binding sites at peak: -0.0285

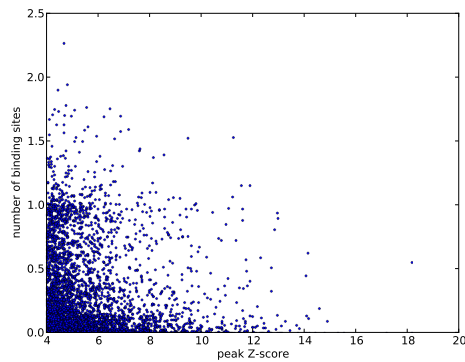


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

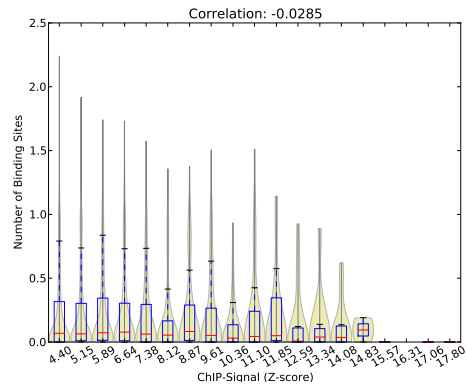


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

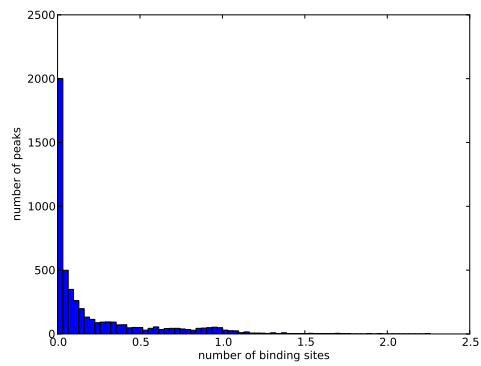


Figure 5: Histogram of number of binding sites at peaks

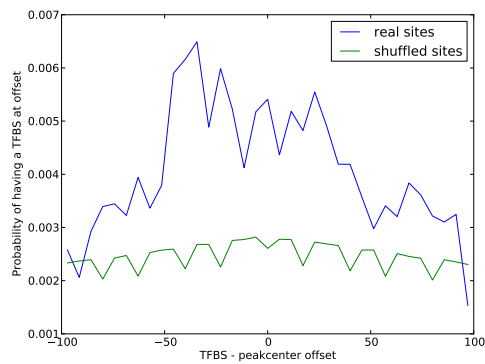


Figure 6: Histogram of distances of TFBS to its nearest peak center

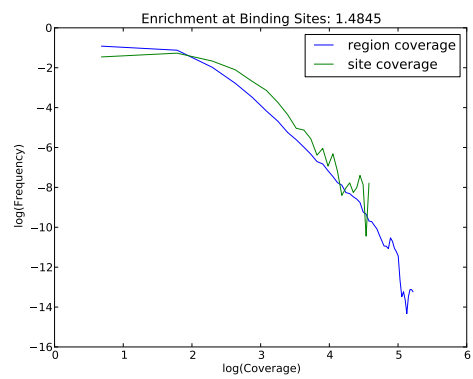


Figure 7: Histograms of coverage at sites and in total regions