

General Motif Characteristics:

Top Similar Looking Motifs:

TBP.p2	0.000	
JASPAR.TBP.wm	0.017	
ENCODE.TBP	0.100	
HOMER.TATA-Box(TBP).Promoter	0.187	
HCMC.TBP_f1.wm	0.196	
HOMER.TATA-box.SacCer-Promoters	0.197	
GTF2A1,2.p2	0.214	
HCMC.MEF2A_f1.wm	0.223	
JASPAR.MEF2A.wm	0.239	
HTSELEX.CPEB1.RRM.full.monomeric.wm1	0.250	

Statistics:

- Motif name: TBP.p2
- Enrichment: 3.43744472204
- log-Likelihood Ratio: 617.364191001
- Area under precision recall curve: 0.1814

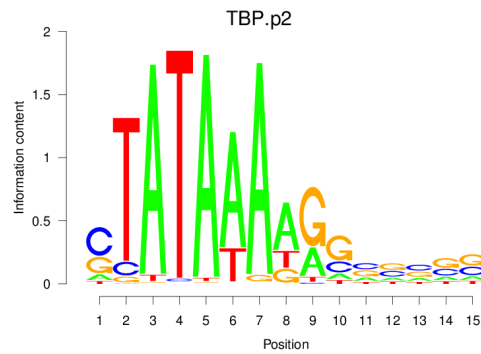


Figure 1: Logo of Weight Matrix

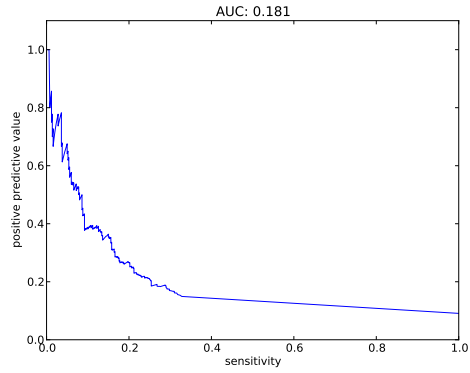


Figure 2: Precision and Recall curve

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: 310/12571
- 2.47 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: 2.0241

Correlation between peak Z-score and number of binding sites at peak: 0.0745

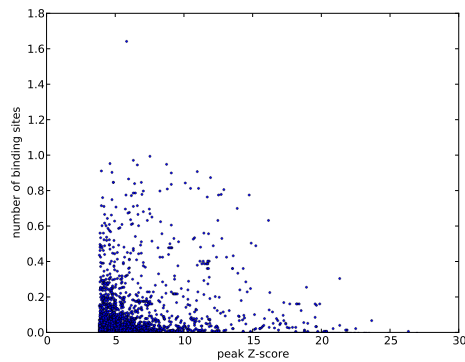


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

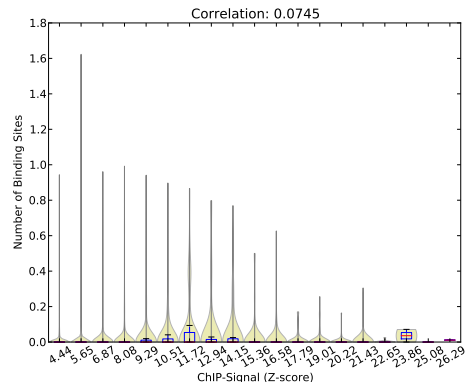


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

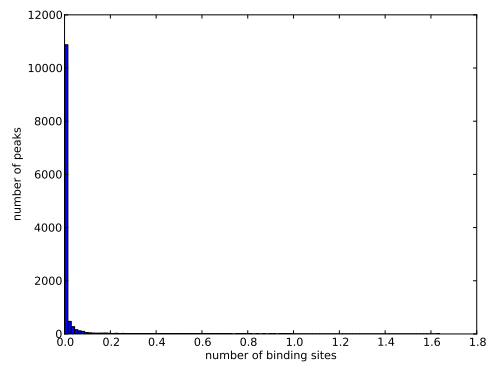


Figure 5: Histogram of number of binding sites at peaks

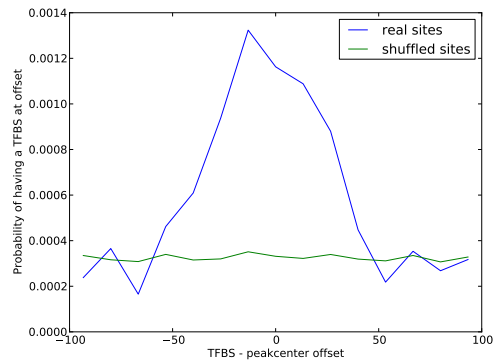


Figure 6: Histogram of distances of TFBS to its nearest peak center

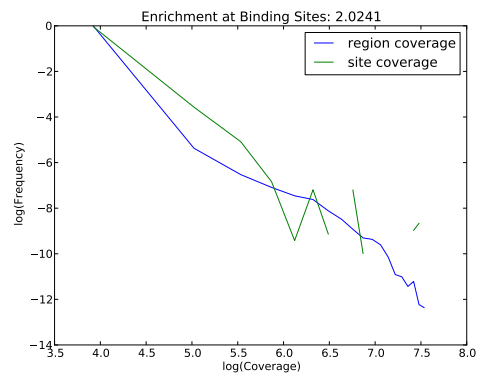


Figure 7: Histograms of coverage at sites and in total regions