

General Motif Characteristics:

Top Similar Looking Motifs:

RUNX1..3.p2	0.208	
HOMER.RUNX(Runt).HPC7-Runx1-ChIP-Seq	0.209	
HCMC.RUNX1_f1.wm	0.217	
ENCODE.RUNX1	0.220	
HCMC.PEBB_f1.wm	0.237	
HCMC.RUNX2_f1.wm	0.240	
JASPAR.RUNX1.wm	0.242	
HTSELEX.RUNX2.RUNX.DBD.monomeric.wm1	0.243	
HTSELEX.RUNX3.RUNX.full.monomeric.wm1	0.243	
HTSELEX.RUNX3.RUNX.DBD.monomeric.wm1	0.253	

Statistics:

- Motif name: denovo_WM_14
- Enrichment: 61.7884830381
- log-Likelihood Ratio: 2061.85849424
- Area under precision recall curve: 0.7994

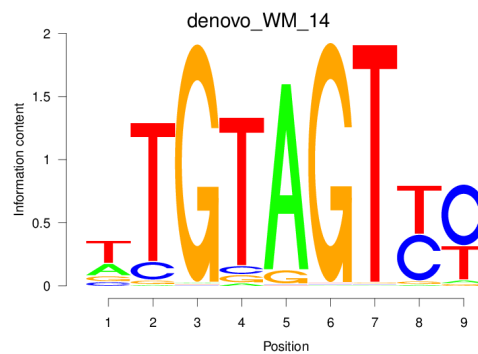


Figure 1: Logo of Weight Matrix

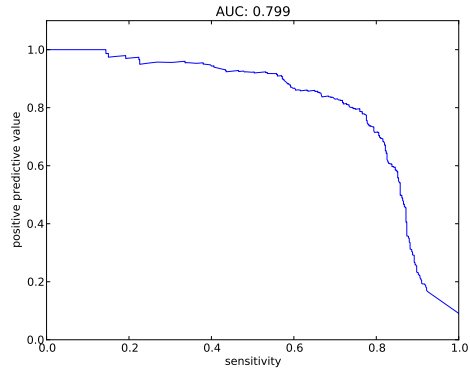


Figure 2: Precision and Recall curve

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: 4314/36955
- 11.67 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: 8.5302

Correlation between peak Z-score and number of binding sites at peak: 0.4626

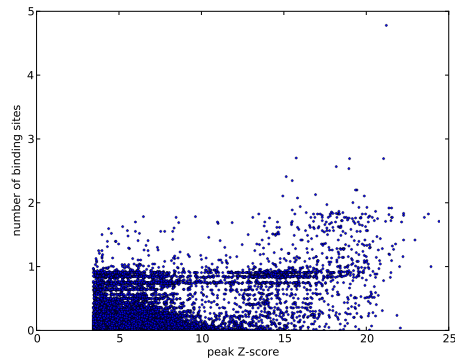


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

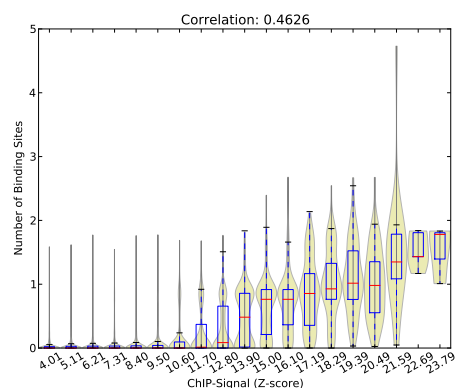


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

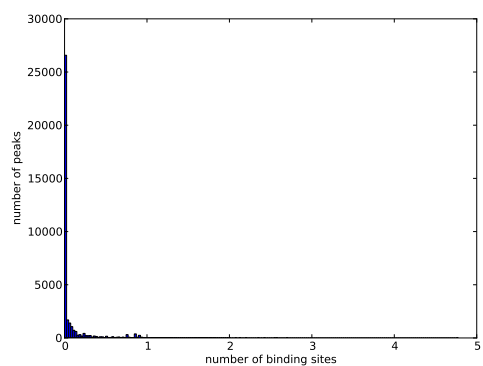


Figure 5: Histogram of number of binding sites at peaks

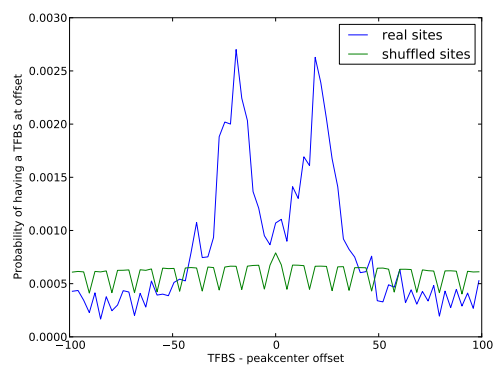


Figure 6: Histogram of distances of TFBS to its nearest peak center

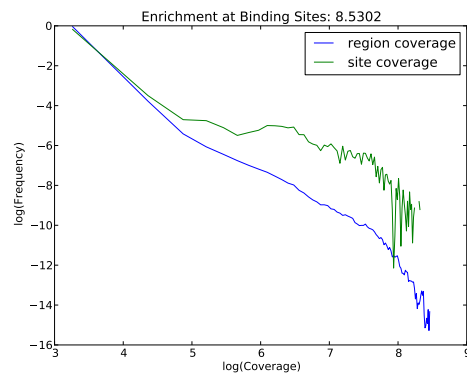


Figure 7: Histograms of coverage at sites and in total regions