

General Motif Characteristics:

Top Similar Looking Motifs:

| | | |
|--------------------------|-------|-------|
| ENCODE.ZNF143-ext | 0.043 | |
| HOMER.GFY-Staf.Promoters | | 0.177 |
| HCMC.ZN143-si.wm | 0.253 | |
| ZNF143.p2 | 0.268 | |
| RBPJ.p2 | 0.298 | |
| STAT5{A,B}.p2 | 0.312 | |
| JASPAR.STAT1.wm | 0.317 | |
| ENCODE.STAT1 | 0.325 | |
| HCMC.STAT1-f2.wm | 0.327 | |
| JASPAR.znf143.wm | 0.328 | |

Statistics:

- Motif name: denovo_WM_7
- Enrichment: 39.3836185978
- log-Likelihood Ratio: 1836.67497911
- Area under precision recall curve: 0.9117

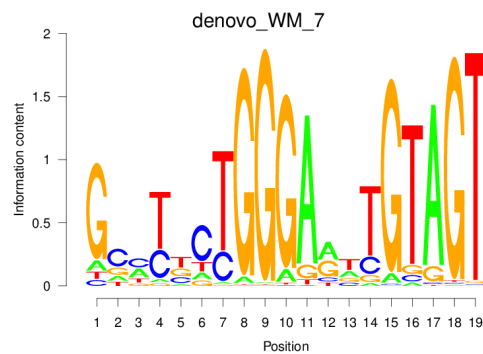


Figure 1: Logo of Weight Matrix

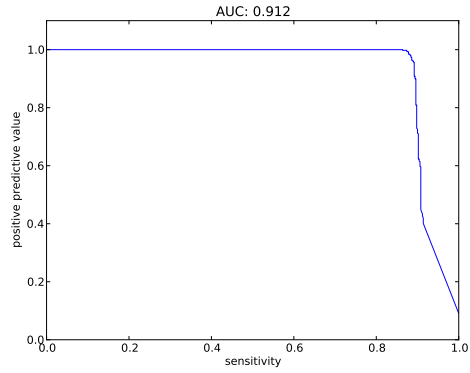


Figure 2: Precision and Recall curve

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: 2916/36955
- 7.89 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: 27.5404

Correlation between peak Z-score and number of binding sites at peak: 0.6256

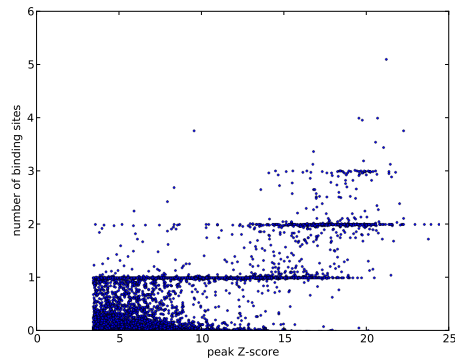


Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak

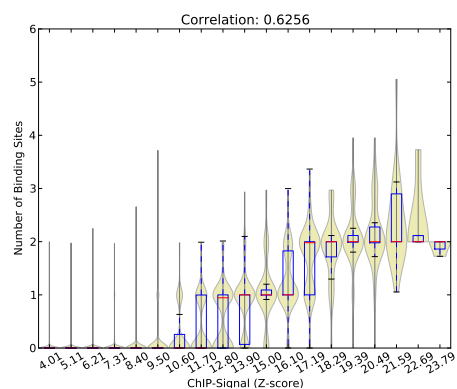


Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

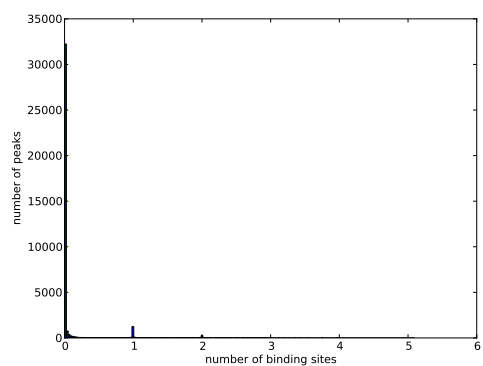


Figure 5: Histogram of number of binding sites at peaks

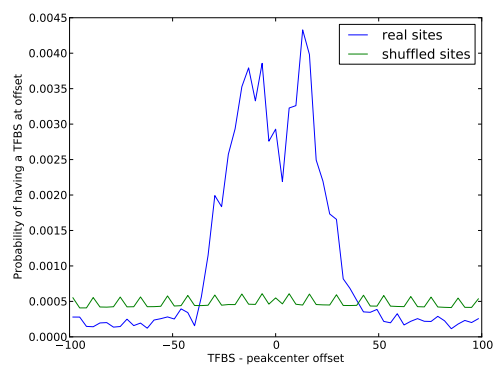


Figure 6: Histogram of distances of TFBS to its nearest peak center

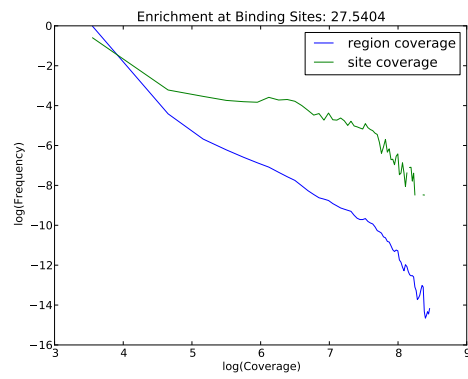


Figure 7: Histograms of coverage at sites and in total regions