General Motif Characteristics:

Top Similar Looking Motifs:

JASPAR.SPI1.wm   0.000
HCMC.ETV4_f1.wm 0.054
FEV.p2   0.079
JASPAR.FEV.wm   0.079
HCMC.ETS1_si.wm 0.109
JASPAR.ELF5.wm   0.110
HCMC.FEV_f1.wm   0.128
HCMC.ELF1_f1.wm 0.132
HOMER.ELF5(ETS).T47D−ELF5−ChIP−Seq(GSE30407)   0.133
ENCODE.ETS1   0.145

Statistics:

− Motif name: JASPAR.SPI1.wm
− Enrichment: 1.63827347772
− log−Likelihood Ratio: 245.834179047
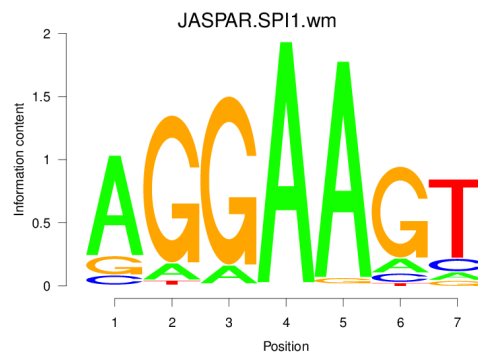− Area under precision recall curve: 0.3048

Figure 1: Logo of Weight Matrix

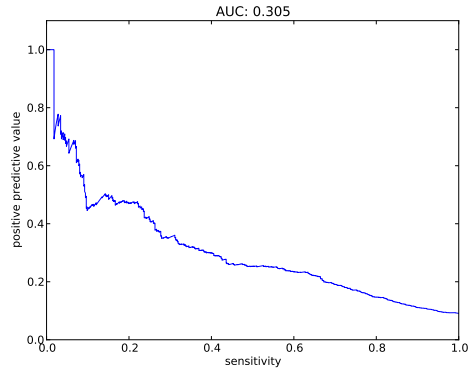AUC: 0.305

positive predictive value

sensitivity

Figure 2: Precision and Recall curve

Statistics for TFBS - Peak Centering and Peak Posterior - Peak Height Correlation:

0.1

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Overall statistics:
        − Number of true peaks out of total number of peaks: 10904/19318
        − 56.44 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: 1.1925
Correlation between peak Z−score and number of binding sites at peak: 0.0013
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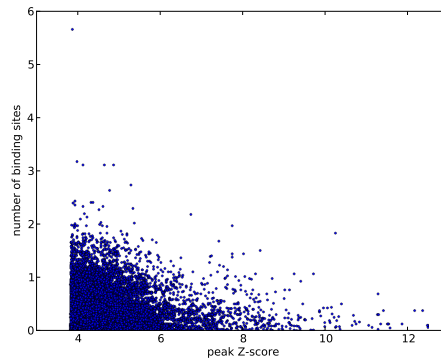
number of binding sites

peak Z-score

Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak
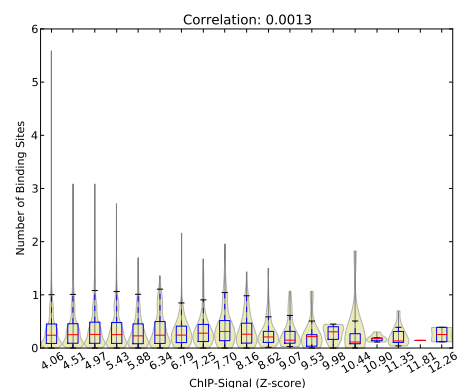
Figure 4: Violin plot of peak Z-score versus number of binding sites at peak
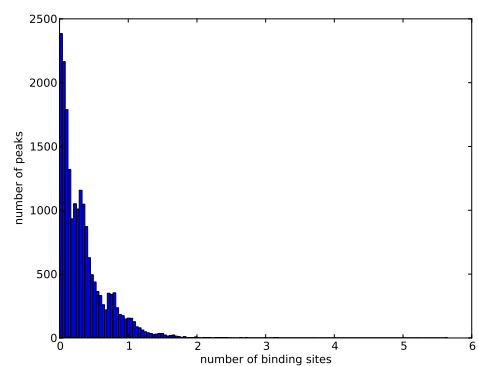

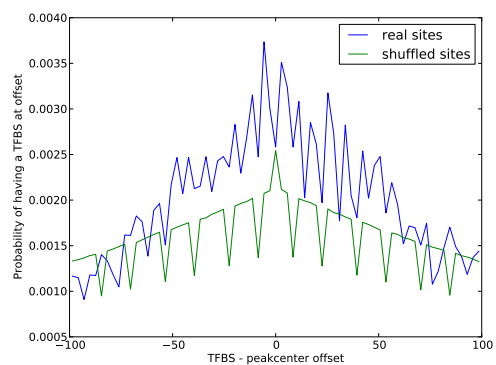Figure 5: Histogram of number of binding sites at peaks

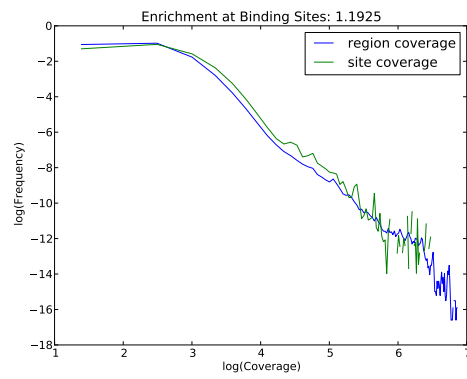Figure 6: Histogram of distances of TFBS to its nearest peak center

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