General Motif Characteristics:

Top Similar Looking Motifs:

ZNF143.p2   0.000
HCMC.ZN143_si.wm   0.075
JASPAR.znf143.wm   0.083
ENCODE.ZNF143   0.134
HTSELEX.ZNF143.C2H2.DBD.monomeric.wm1   0.198
TP53.p2 0.241
EBF1.p2 0.267
ENCODE.ZNF143−ext   0.288
STAT1,3.p3   0.313
UNIPROBE.Zic2_secondary.wm   0.320

Statistics:

− Motif name: ZNF143.p2
− Enrichment: 2.29550220034
− log−Likelihood Ratio: 413.813918338
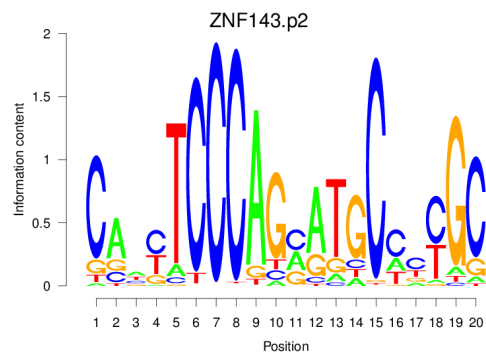− Area under precision recall curve: 0.1787
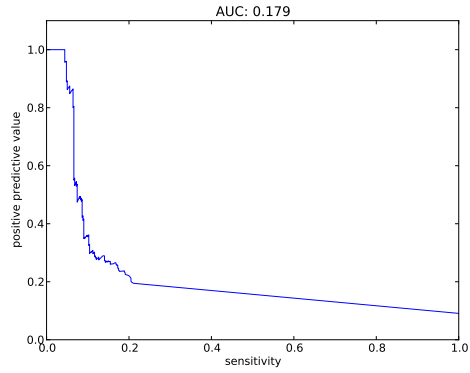

Figure 1: Logo of Weight Matrix

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:  870/19318
        −  4.50  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:  1.8131
Correlation  between  peak  Z−score  and  number  of  binding  sites  at  peak:  0.0528
```
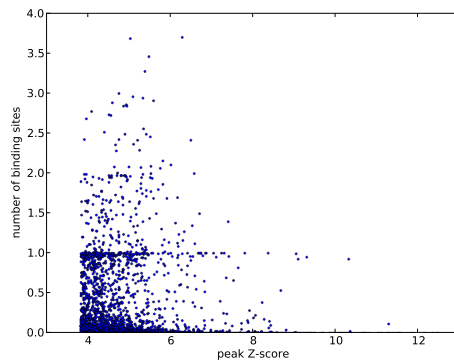

Figure 3: Scatter plot of peak Z-score versus number of binding sites at peak
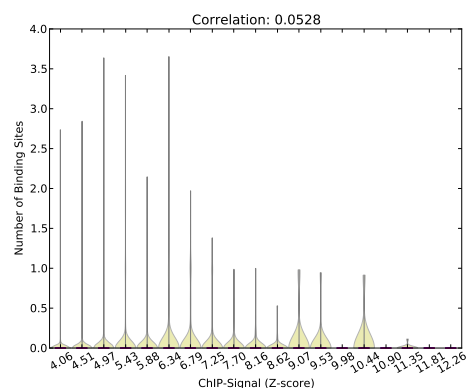
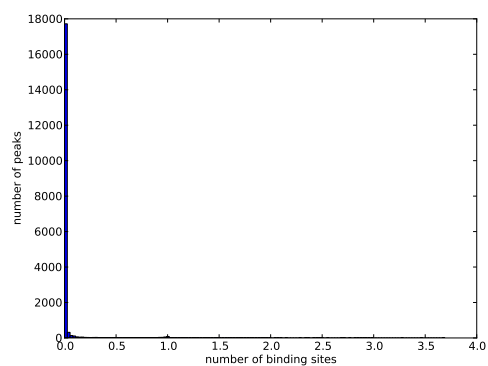Figure 4: Violin plot of peak Z-score versus number of binding sites at peak

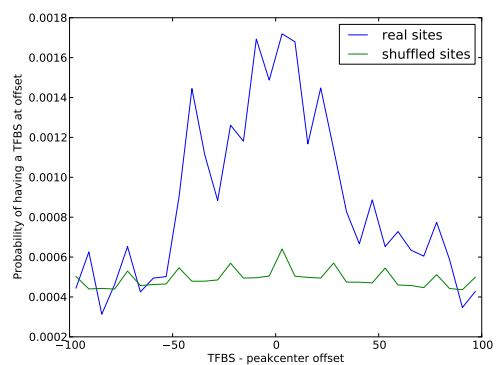Figure 5: Histogram of number of binding sites at peaks

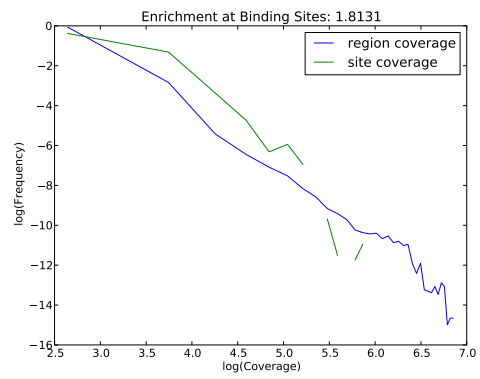Figure 6: Histogram of distances of TFBS to its nearest peak center

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