IRF1 SCEPTRE vs Seurat With Pvalue QC

2023-04-04

Introduction

In this writeup I will change the method of QC for the CHIP-seq data to be such that peaks are only called if they are in the top α percentile of peaks with respect to the pvalue reported. I will return the odds ratios that SCEPTRE and Seurat give with respect to the post-QC chipseq data. For more information such as the actual number of discoveries, see "IRF1-analysis-pval-QC-individual".

```
## \begin{table}[!htbp]
## \caption{Enrichment odds ratios, comparing to ChIP-seq target assignments with changing pvalue quanti
## \begin{center}
## \begin{tabular}{lrrrr}
## \toprule
## \multicolumn{1}{l}{\diagbox{Ground truth}{Method}}&\multicolumn{1}{c}{SCEPTRE}&\multicolumn{1}{c}{Seu
## \midrule
## 0.1&$5.027$&$4.784$&$0$&$0$\tabularnewline
## 0.25&$3.710$&$3.750$&$0$&$0$\tabularnewline
## 0.5&$2.959$&$2.957$&$0$&$0$\tabularnewline
## 0.75&$2.376$&$2.430$&$0$&$0$\tabularnewline
## \bottomrule
## \end{tabular}\end{center}
## \end{table}
```