

STAT1 SCEPTRE vs Seurat With Score QC Summary

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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 score 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 number of discoveries, see “STAT1-analysis-score-QC-individual”.

```
## \begin{table}[!htbp]
## \caption{Enrichment odds ratios, comparing to ChIP-seq target assignments with changing pvalue quant.}
## \begin{center}
## \begin{tabular}{lrrrrr}
## \toprule
## \multicolumn{1}{l}{\diagbox{Ground truth}{Method}}&\multicolumn{1}{c}{SCEPTRE}&\multicolumn{1}{c}{Seurat}
## \midrule
## 0.1&$1.313$&$1.245$&$0$&$0$&\tabularnewline
## 0.25&$1.296$&$1.210$&$0$&$0$&\tabularnewline
## 0.5&$1.237$&$1.154$&$0$&$0$&\tabularnewline
## 0.75&$1.374$&$1.279$&$0$&$0$&\tabularnewline
## \bottomrule
## \end{tabular}\end{center}
## \end{table}
```