

# STAT1 SCEPTRE vs Seurat With Pvalue QC Summary

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  $\alpha$  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 “STAT1-analysis-pval-QC-individual”.

```
## \begin{table}[!htbp]
## \caption{Enrichment odds ratios, comparing to ChIP-seq target assignments with changing pvalue quant.}
## \begin{center}
## \begin{tabular}{lrrrr}
## \toprule
## \multicolumn{1}{l}{\diagbox{Ground truth}{Method}}&\multicolumn{1}{c}{SCEPTRE}&\multicolumn{1}{c}{Seurat}
## \midrule
## 0.1&$1.526$&$1.431$&$0$&$0$\tabularnewline
## 0.25&$1.322$&$1.239$&$0$&$0$\tabularnewline
## 0.5&$1.228$&$1.159$&$0$&$0$\tabularnewline
## 0.75&$1.287$&$1.225$&$0$&$0$\tabularnewline
## \bottomrule
## \end{tabular}\end{center}
## \end{table}
```