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".

Table 1: Enrichment odds ratios, comparing to ChIP-seq target assignments with changing quantile threshold

Ground truth Method	SCEPTRE	Seurat	SCEPTRE-pval	Seurat-pval
0.1	1.313	1.245	0	0
0.25	1.296	1.210	0	0
0.5	1.237	1.154	0	0
0.75	1.374	1.279	0	0