IRF1 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 "IRF1-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		2.089	2.186	0	0
0.25		2.341	2.411	0	0
0.5		2.986	2.957	0	0
0.75		3.743	3.692	0	0