

Raw SE Reads

?sequencing platform?



Quality & Adapter Trimming

trimmomatic

{ADAPTERS}2:30:10 SLIDINGWINDOW:4:25

-----> *FastQC*



Mapping to WBcel235

bowtie

-v 1 -M 1 --best --strata --tryhard

-----> *Alignment Stats*



Quantification

SubRead

-----> *Principal Component Analysis*



Differential Expression

DESeq2

-----> *Quality Control*

-----> *Heatmaps*

-----> *Volcano plots*



Motif Analysis

MEME