Raw reads

BWA

Alignment to random junction database

Alignment to annotated junction database

Parameter specification

Prediction of splice junctions

Filteration of false-positive junctions

Confident junctions

Annotation of alternative splicing events

Comparison

Counts of junction/intron reads and corresponding exon reads for each AS event in mutant

Counts of junction/intron reads and corresponding exon reads for each AS event in WT

Fisher test

Identification of differential AS events