## 1. outrigger index Input: Junction reads from data



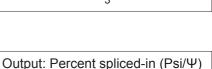


Output: Alternative exons





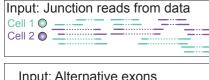


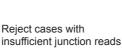


Output: Valid alternative exons

Legend

3.outrigger psi







Exclusion reads

for each cell and alternative exon

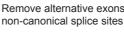


## Input: Alternative exons









Detect exons de novo



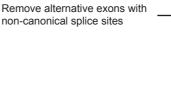


















Exon-exon junction read



