## $|< n_{\rm minimum}|$ Cell 2 Cell 3 $|< n_{\rm minimum}|$ 2. outrigger validate (optional) Major Spliceosome √ valid intron Minor Spliceosome √ valid intron Non-canonical splicing x invalid intron 3. outrigger psi Match up junctions with Remove junctions inconsistent Calculate percent spliced in (Psi/Ψ) Within each cell, retain junctions with sufficient coverage alternative exons with alternative exon event for each cell and alternative exon $\Psi = 1$ Cell 1 inclusion reads

Collapse junctions

across all samples

Cell 3  $< n_{\rm minimum}$ \*Don't duplicate work if already did this in outrigger index

1. outrigger index

Cell 1

Cell 2

Within each cell, retain junctions with sufficient coverage

 $< n_{\rm minimum}$ 

Find alternative exons

inclusion reads MXE

SE

exclusion reads

inclusion + exclusion reads

inclusion reads

exclusion reads

 $\Psi = 0$ 

 $\Psi = 1$