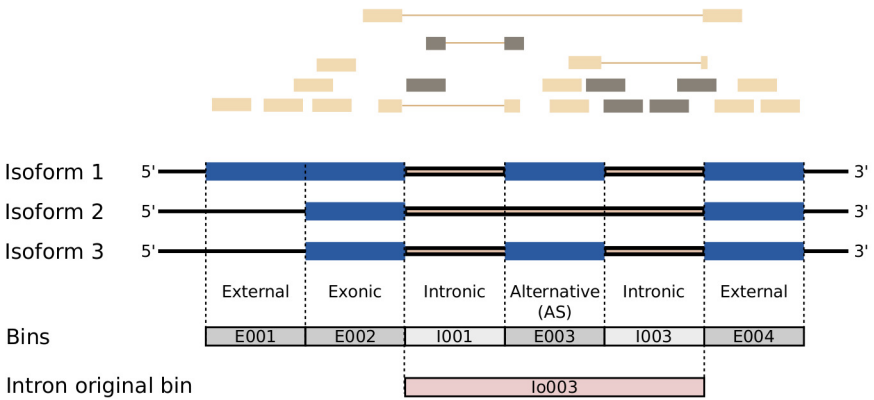
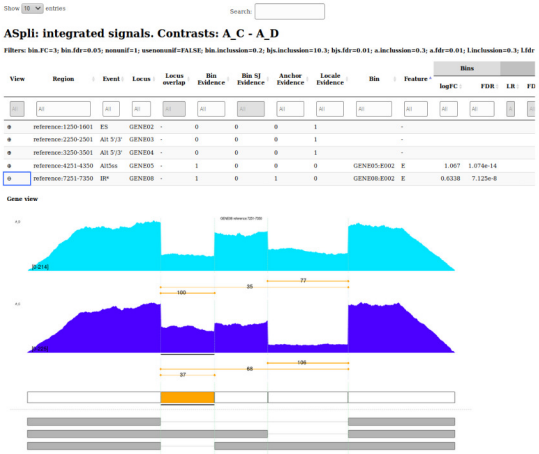
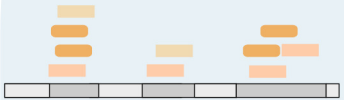
## 1 - Reads alignment and counting



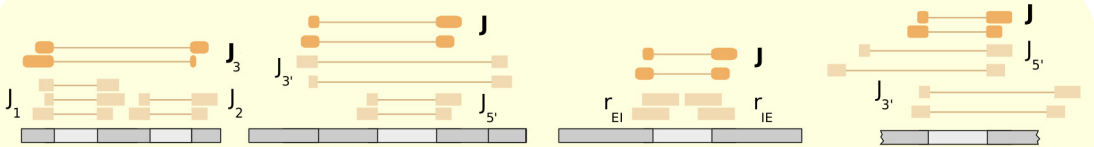

## 4 - Signal integration & Report




## 2 - Splicing signals



Bin coverage




Annotation-based

Annotation-free

## 3 -Differential Splicing

**Bin usage**

GLM(reads): $p_v<\alpha_1$ $|logFC|>\beta$

and ( $\Delta PSI > \gamma_{PSI}$ or $\Delta PIR > \gamma_{PIR}$ )

**Junction Anchorage**

GLM(J,rEI,rIE) $p_v<\alpha_2$

and $\Delta PIR > \gamma_2$

**Junction locale**

GLM(junction cluster) $p_v<\alpha_3$

and $\max(\Delta\pi) > \gamma_3$