Intron retention

Exclusion junction supporting reads

J_3/E_1E_2
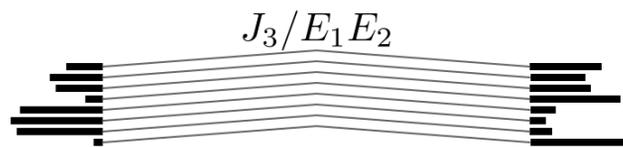
Inclusion intron flanking region supporting reads

J_1/E_1I

J_2/IE_2

$$PIR_{ir} = \frac{J_1 + J_2}{J_1 + J_2 + 2 \times J_3}$$

Alt. 5' splicing site

Exclusion junction supporting reads

J_3
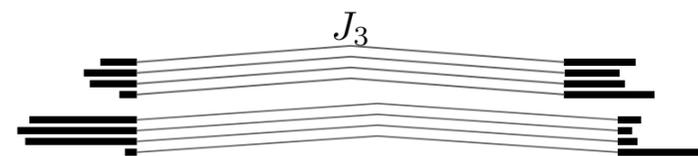
5' alternative splicing site junction supporting reads

$J_{1,2}$
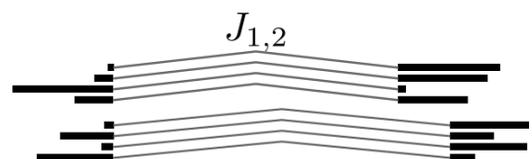
$$PSI_{alt.ss} = \frac{J_{1,2}}{J_{1,2} + J_3}$$

Alt. 3' splicing site

Exclusion junction supporting reads

J_3
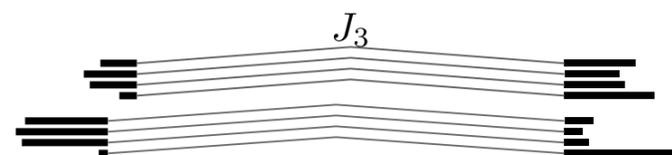
3' alternative splicing site junction supporting reads

$J_{1,2}$
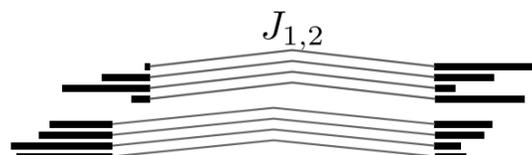
$$PSI_{alt.ss} = \frac{J_{1,2}}{J_{1,2} + J_3}$$

Exon skipping

Exclusion junction supporting reads

J_3
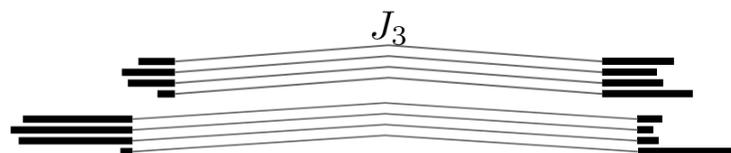
Inclusion junctions supporting reads

J_1

J_2

$$PSI_{ES} = \frac{J_1 + J_2}{J_1 + J_2 + 2 \times J_3}$$