

Intron retention

5' — — 3'

Exclusion junction
supporting reads



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

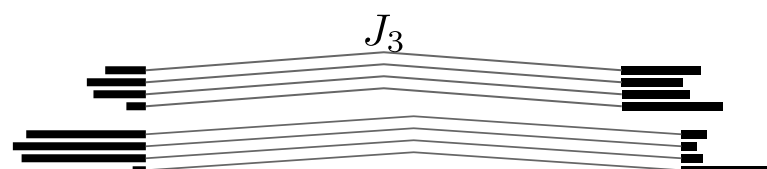
Inclusion intron flanking
region supporting reads



Alt. 5' splicing site

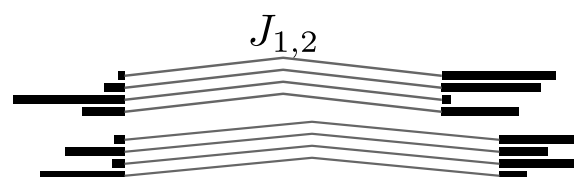
5' — — 3'

Exclusion junction
supporting reads



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

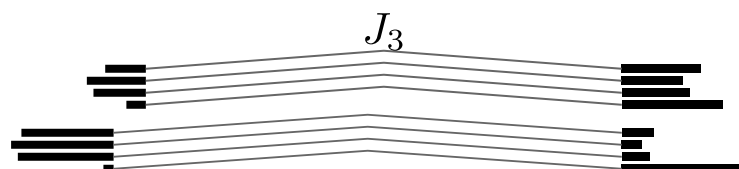
5' alternative splicing site
junction supporting reads



Alt. 3' splicing site

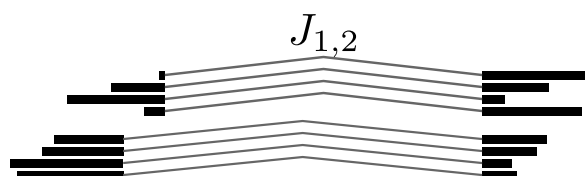
5' — — 3'

Exclusion junction
supporting reads



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

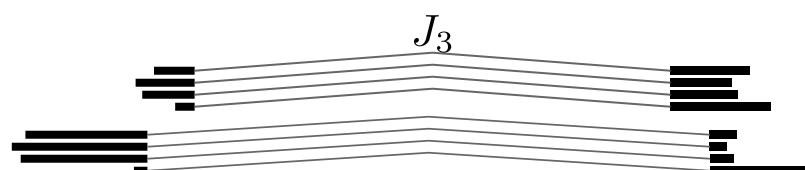
3' alternative splicing site
junction supporting reads



Exon skipping

5' — — 3'

Exclusion junction
supporting reads



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

Inclusion junctions
supporting reads

