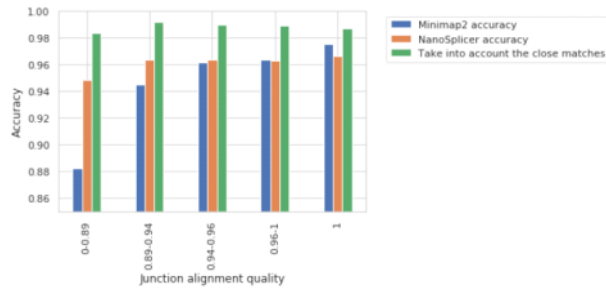


# Main figure update (Mar 03 2021 meeting notes)

Monday, March 1, 2021 1:47 PM

## Sequins data analysis

### Main figure

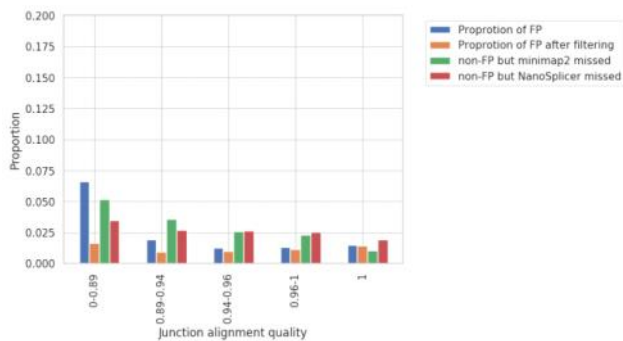


Parameter to generate the figure:

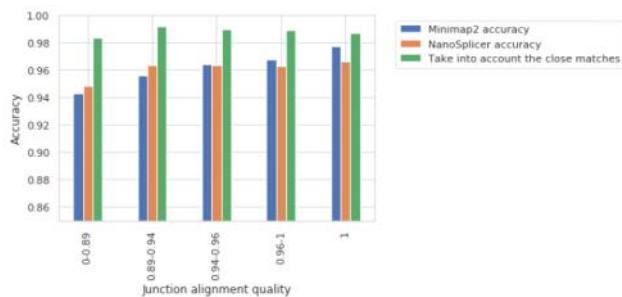
- NanoSplicer accuracy is reported after  $S_i$  filtering (with 7.7% of junction within reads filtered out)
- No filter applied to Minimap2 result
- "Take into account the close matches" means when there are candidates with adjusted loglikelihood close to the best one (the difference is within 0.1), we will call it an accurate identification if any of the close matched candidates is the true one.

### Supplementary figure

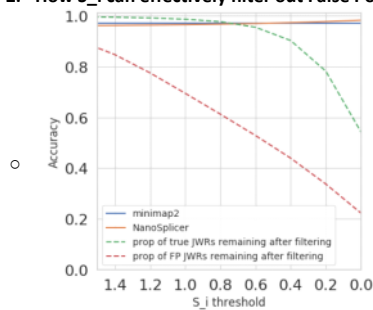
#### 1. Analysis of incorrect cases



- Also filter low  $S_i$  JWR in minimap2 results to show NanoSplicer is not only good at filtering out things, but do have benefit when we are confident about the DTW alignment quality (sensible  $S_i$ )

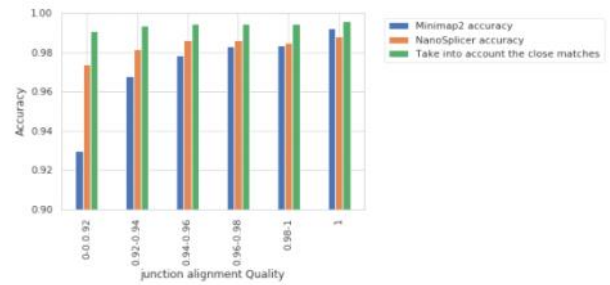


- How  $S_i$  can effectively filter out False Positives ( $S_i$  threshold = 0.5 in the main figure)



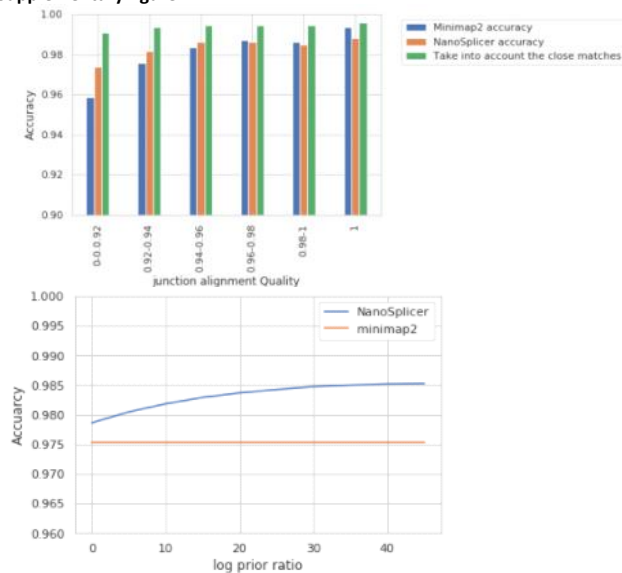
## Real Data analysis

### Main figure

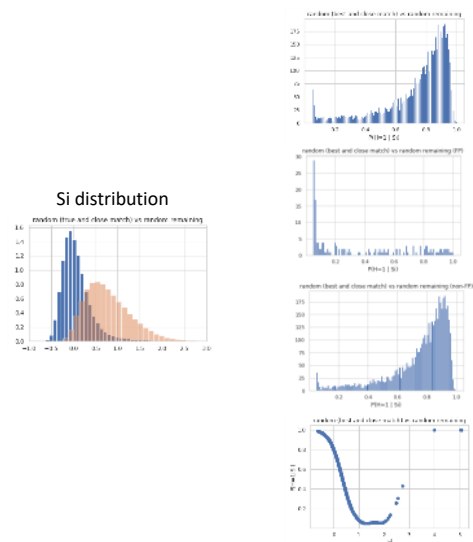


- Sequence prior applied
- $S_i$  filtering applied (15% of JWR is filtered out)

### Supplementary figure



### 3. The choice of S<sub>i</sub> threshold is robust



### 4. The choice of ratio to highest probability

