

Y-adapter

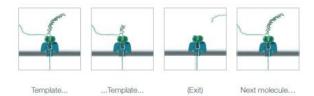
c)

#### Translocation - 1D

Y-adapter

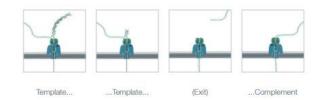
The template and the complement strands are sequenced as individual strands.

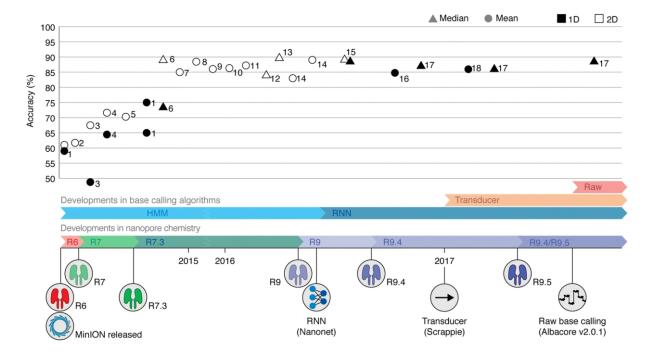
Library DNA

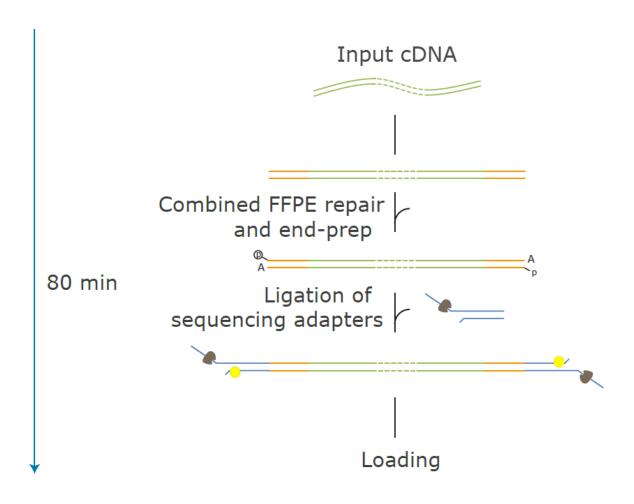


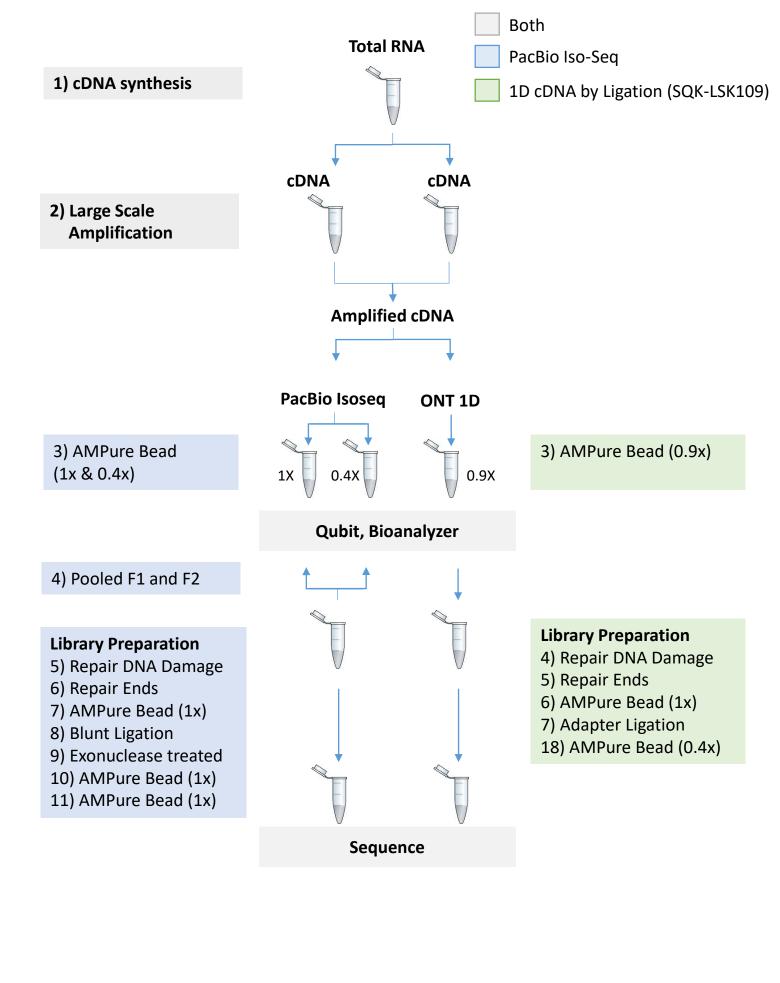
#### Translocation - 1D<sup>2</sup>

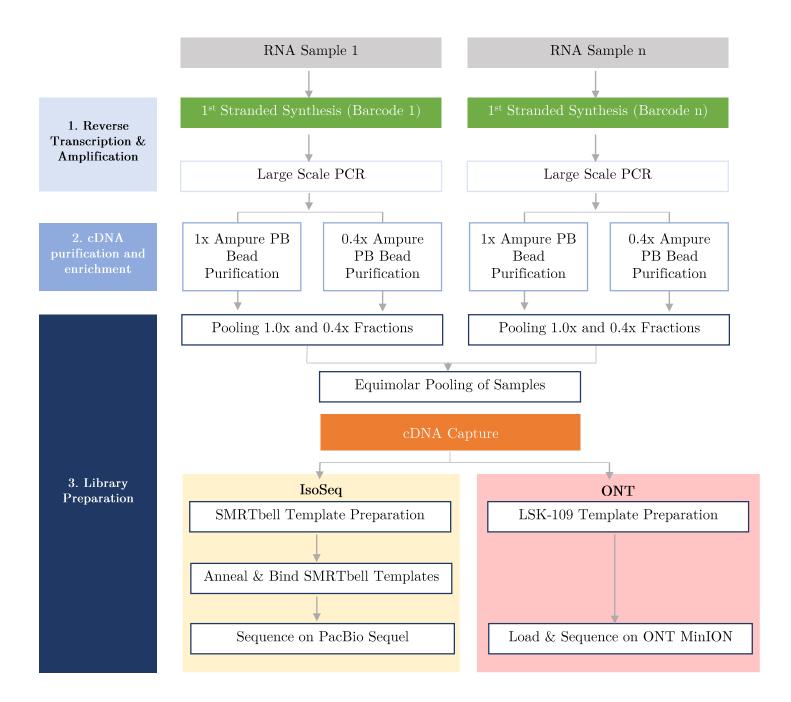
1D² library preparation deploys special adapters that increase the probability that the complement strand will immediately follow the template strand. This method of sequencing when used with 1D² analysis produces a higher accuracy read.



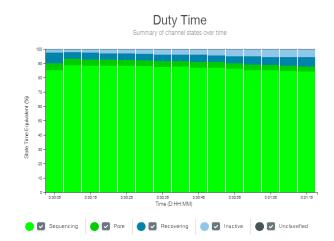




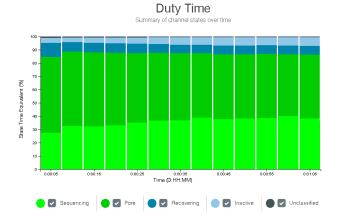




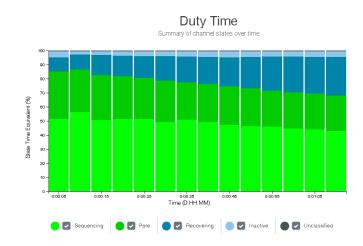
### a) Good Quality Library



## C) Low Pore Occupancy



# b) Channel Blocking



### $\mathrm{b})$ Flow Cell Failure

