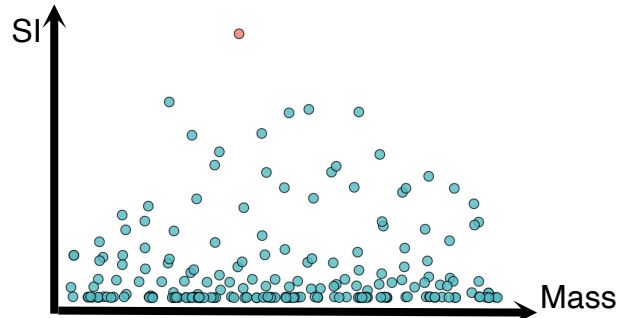


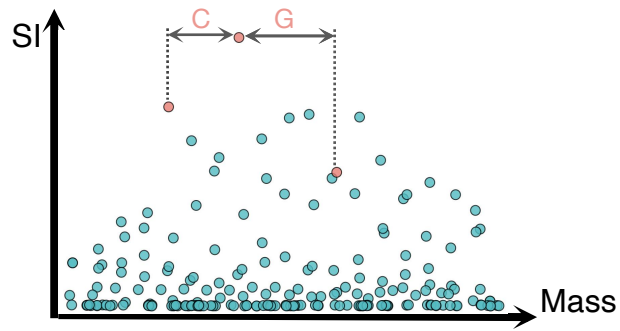
Nested Algorithm

Base Calling

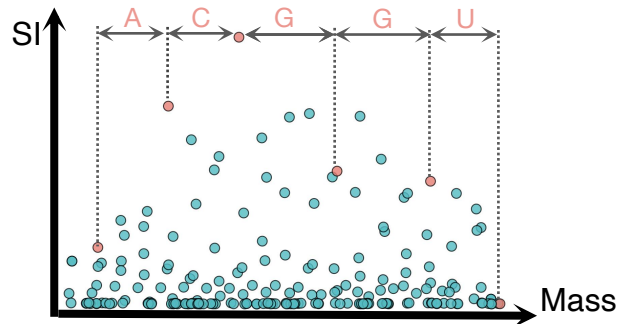
1. Select the data point with highest intensity



2. Search for mass corresponds to next base match

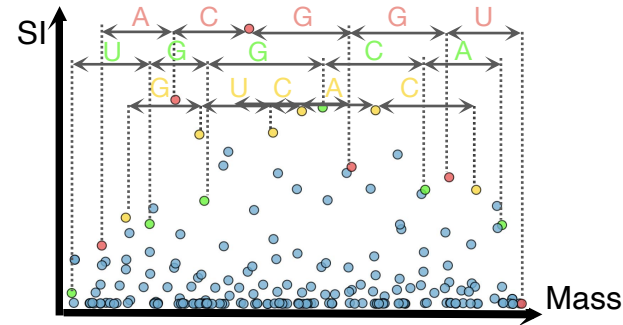


3. Repeat step 2 until no further match can be found

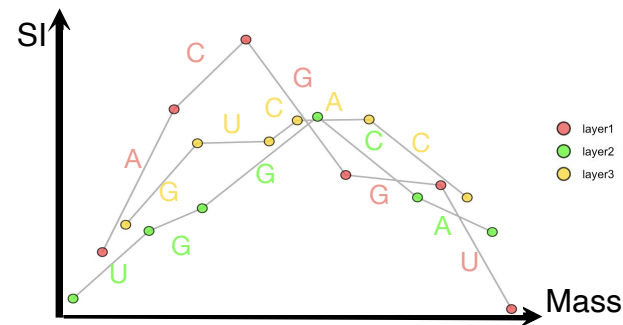


RNA Ladders Formation

4. Repeat step 1-3 on the remaining dataset

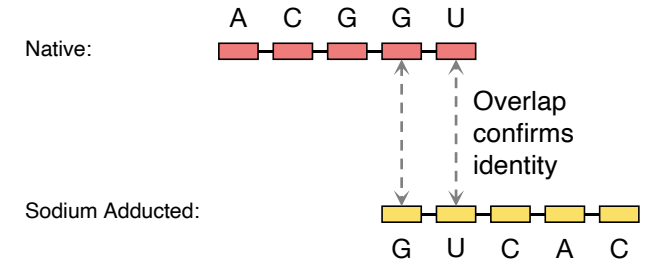


5. Collect ladders formed in a “layer by layer” fashion



Ladder Assembly

6. Different layers combined increases coverage



7. 3' and 5' ladders cross-verifies each other

