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# Project goal

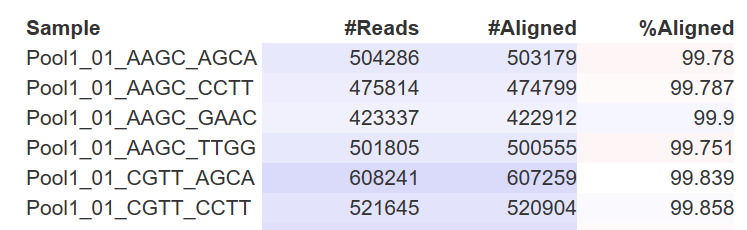
Calculating the percentage of editing efficiency, insertion, deletion and knock-ins from total mapped reads and mutated reads. Graphical representation in Pie-charts.

# Example of inputs

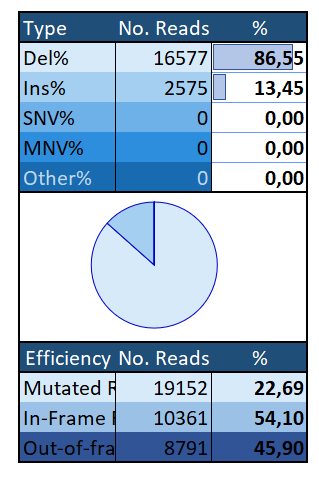
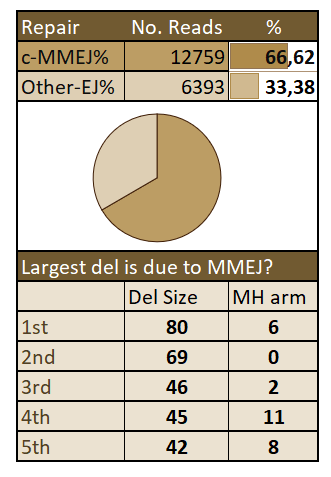
* Variant table:



* Amplicon Seq Mapping Statistics
  + Tsv file



# Example of output

# Pseudocode

1. Read the inputs into python code and assign them to variables
2. Import required libraries for statistical analysis and graphical representation
3. Statistics on editing efficiency
   1. Input1: from Amplicon-seq paired Mapping Statistics table is number of aligned reads
   2. Input2 from variants table is the sum of mutated read counts
   3. Calculate editing efficiency
   4. Generate pie-chart and table
4. Same workflow for insertions, deletion & knock-ins
5. Generate a report file in PDF format