# **Alignment Stats**

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## 1 Importing Data

First we import the data for every alignment:

```
mapq <- read.csv2(file = "~/ISGlobal/TestSet/align_tests/params_1/A7K9_14456_TTA
lens <- read.csv2(file = "~/ISGlobal/TestSet/align_tests/params_1/A7K9_14456_TTA
abs_lens <- abs(as.numeric(lens))
max(as.numeric(lens))
## [1] 1057118
which(lens == 1057118)
## [1] 86703
purged_lens <- abs_lens
purged_lens[86703:86704] <- c(0,0)</pre>
```

#### 2 Plots

## 2.1 MAPQ

```
table(x > 5)

##

## FALSE TRUE

## 32237 77763
```

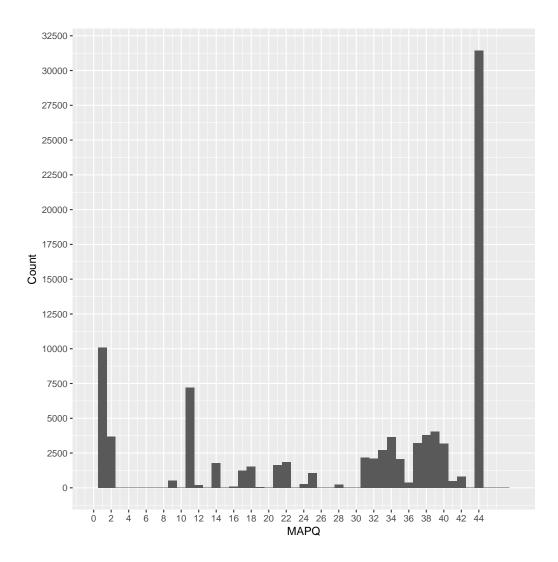


Figure 1: Histogram of read's MAPQ

#### 2.2 Fragment Length

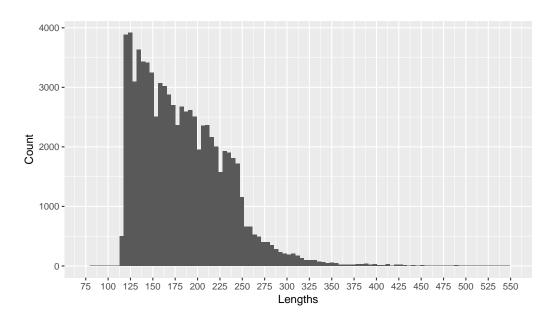


Figure 2: Histogram of fragment lengths

And some text after.