Alignment Stats

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1 Importing Data

First we import the data for every alignment:

```
#### Fetch files and create iterables ####
file_names <- list.files("./inputs")</pre>
file_names <- gsub("_read[12]_sample.fastq", "",file_names)</pre>
file_names <- unique(file_names)</pre>
dir = "./params_%%/"
params <- c(1:3)
for(element in params){
  gsub("%%", element, dir)
mapq <- read.csv2(file = "./params_1/A7K9_14456_TTAGGC_MAPQ.csv", sep = "\t", he</pre>
## Warning in file(file, "rt"): cannot open file './params_1/A7K9_14456_TTAGGC_M
No such file or directory
## Error in file(file, "rt"): cannot open the connection
lens <- read.csv2(file = "./params_1/A7K9_14456_TTAGGC_lengths.csv", sep = "\t",</pre>
## Warning in file(file, "rt"): cannot open file './params_1/A7K9_14456_TTAGGC_1
No such file or directory
## Error in file(file, "rt"): cannot open the connection
lens_something <- read.csv2(file = "./params_1/A7K9_14456_TTAGGC_somethingununma</pre>
## Warning in file(file, "rt"): cannot open file './params_1/A7K9_14456_TTAGGC_s
No such file or directory
## Error in file(file, "rt"): cannot open the connection
abs_lens <- abs(as.numeric(lens))</pre>
## Error in eval(expr, envir, enclos): object 'lens' not found
abs_lens_something <- abs(as.numeric(lens_something))</pre>
## Error in eval(expr, envir, enclos): object 'lens_something' not
found
max(as.numeric(lens))
## Error in eval(expr, envir, enclos): object 'lens' not found
```

```
which(lens == 1057118)
## Error in which(lens == 1057118): object 'lens' not found
purged_lens <- abs_lens
## Error in eval(expr, envir, enclos): object 'abs_lens' not found
purged_lens[86703:86704] <- c(0,0)
## Error in purged_lens[86703:86704] <- c(0,0): object 'purged_lens'
not found</pre>
```

2 Plots

2.1 MAPQ

2.2 Fragment Length

And some text after.