QC of Single-Cell RNA-seq samples

Dan Spakowicz

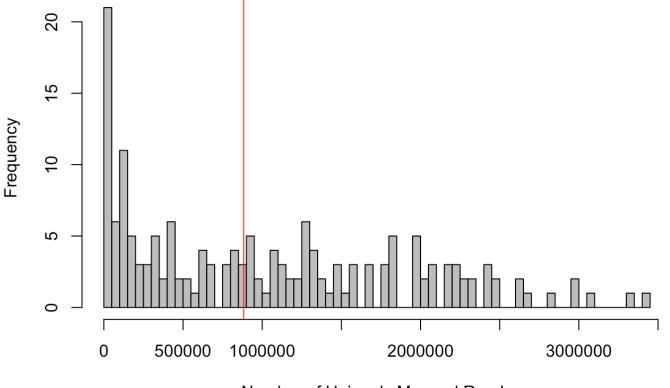
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These samples were mapped using the ENCODE STAR pipeline.

```
setwd("~/Box Sync/projects/chupp/")
df <- read.table("QC.all")
colnames(df) <- c("Sample", "NumInputReads", "UniquelyMappedReadsNum", "UniquelyMappe
dReadsPerc")
summary(df)</pre>
```

##	Sample	NumInpu	ıtReads	UniquelyMappedReadsNum
##	Sample_790-SC-0_C81: 1	Min.	: 4800	Min. : 613
##	Sample_790-SC-1_C01: 1	1st Qu.	: 939030	1st Qu.: 198268
##	Sample_790-SC-1_C02: 1	Median	:1677638	Median : 883306
##	Sample_790-SC-1_C03: 1	Mean	:1785843	Mean :1031480
##	Sample_790-SC-1_C04: 1	3rd Qu.	:2507301	3rd Qu.:1697007
##	Sample_790-SC-1_C05: 1	Max.	:400000	Max. :3434389
##	(Other) :162			
##	UniquelyMappedReadsPerc			
##	Min. : 0.62			
##	1st Qu.:28.95			
##	Median :64.63			
##	Mean :52.28			
##	3rd Qu.:77.03			
##	Max. :85.86			
##				

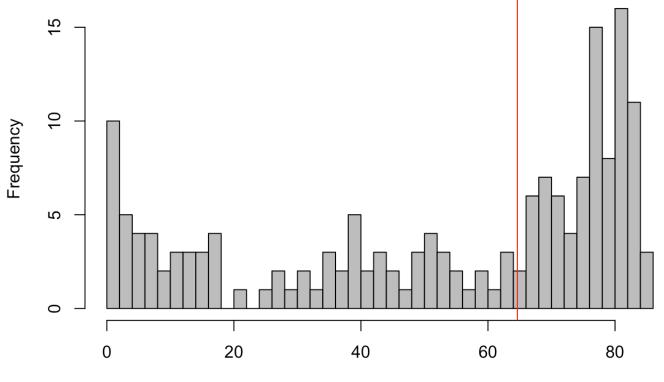
hist(df\$UniquelyMappedReadsNum, col = "grey", xlab = "Number of Uniquely Mapped Read s", main = "Histogram of the Number of Uniquely Mapped Reads", 100) abline(v=(median(df\$UniquelyMappedReadsNum)), col = "red")



Histogram of the Number of Uniquely Mapped Reads

Number of Uniquely Mapped Reads

hist(df\$UniquelyMappedReadsPerc, 50, col = "grey", xlab = "Percent of Uniquely Mapped Reads", main = "Histogram of the Percent of Uniquely Mapped Reads") abline(v=(median(df\$UniquelyMappedReadsPerc)), col = "red")



Histogram of the Percent of Uniquely Mapped Reads

Percent of Uniquely Mapped Reads

The vertical red lines indicate the median values.