

[Summary Statistics prior to filtering](#)

[Summary Statistics after filtering](#)

## [Plots](#)

[Histogram of read lengths](#)

[Histogram of read lengths after log transformation](#)

[Weighted Histogram of read lengths](#)

[Weighted Histogram of read lengths after log transformation](#)

[Yield by length](#)

[Read lengths vs Average read quality plot using hexagonal bins](#)

[Read lengths vs Average read quality plot using a kernel density estimation](#)

[Number of reads generated per channel](#)

[Cumulative yield](#)

[Cumulative yield](#)

[Number of reads over time](#)

[Number of active pores over time](#)

[Violin plot of read lengths over time](#)

[Violin plot of quality over time](#)

# NanoPlot report

## Summary statistics prior to filtering

### General summary:

Active channels:	169
Mean read length:	23212.6
Mean read quality:	10.1
Median read length:	9390.0
Median read quality:	10.3
Number of reads:	371
Read length N50:	60395
Total bases:	8611871

### Number, percentage and megabases of reads above quality cutoffs

>Q5:	371 (100.0%) 8.6Mb
>Q7:	371 (100.0%) 8.6Mb
>Q10:	207 (55.8%) 4.7Mb
>Q12:	49 (13.2%) 0.9Mb
>Q15:	0 (0.0%) 0.0Mb

### Top 5 highest mean basecall quality scores and their read lengths

1:	13.3 (6333)
2:	13.1 (5448)
3:	12.9 (27834)
4:	12.8 (20351)
5:	12.8 (97730)

### Top 5 longest reads and their mean basecall quality score

1:	393431 (10.6)
2:	341725 (11.8)
3:	320662 (8.0)
4:	226843 (9.1)
5:	221901 (10.0)

## Summary statistics after filtering

### General summary:

Active channels:	169
Mean read length:	23212.6
Mean read quality:	10.1
Median read length:	9390.0
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### Top 5 highest mean basecall quality scores and their read lengths

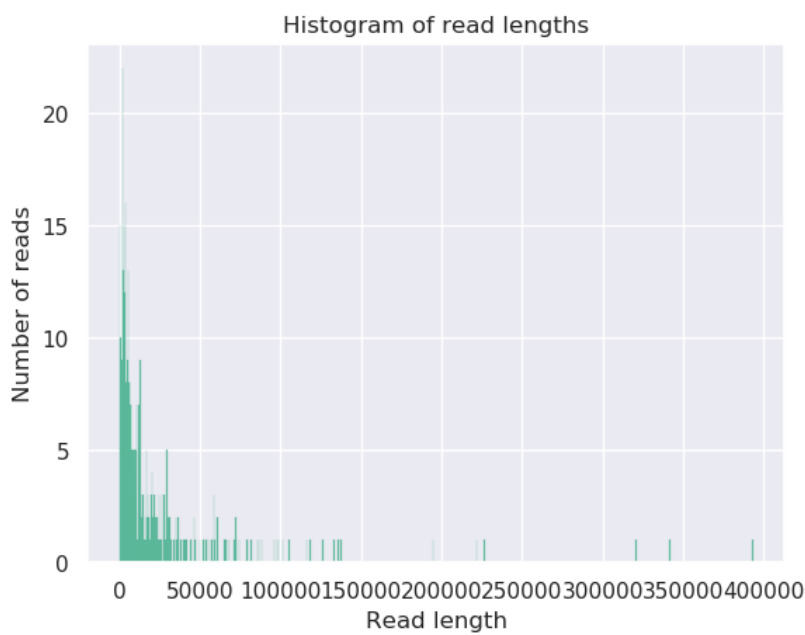
1:	13.3 (6333)
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3:	12.9 (27834)
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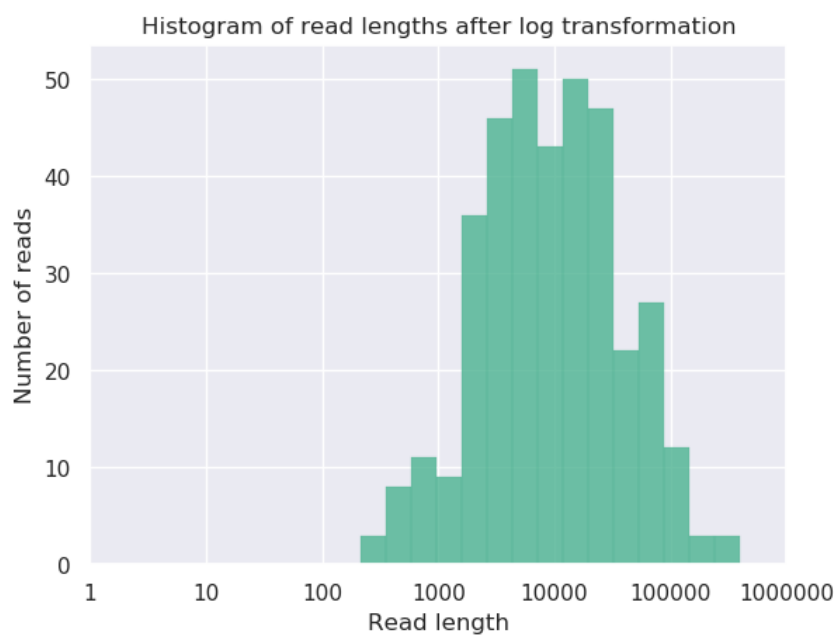
1:	393431 (10.6)
2:	341725 (11.8)
3:	320662 (8.0)
4:	226843 (9.1)
5:	221901 (10.0)

## Plots

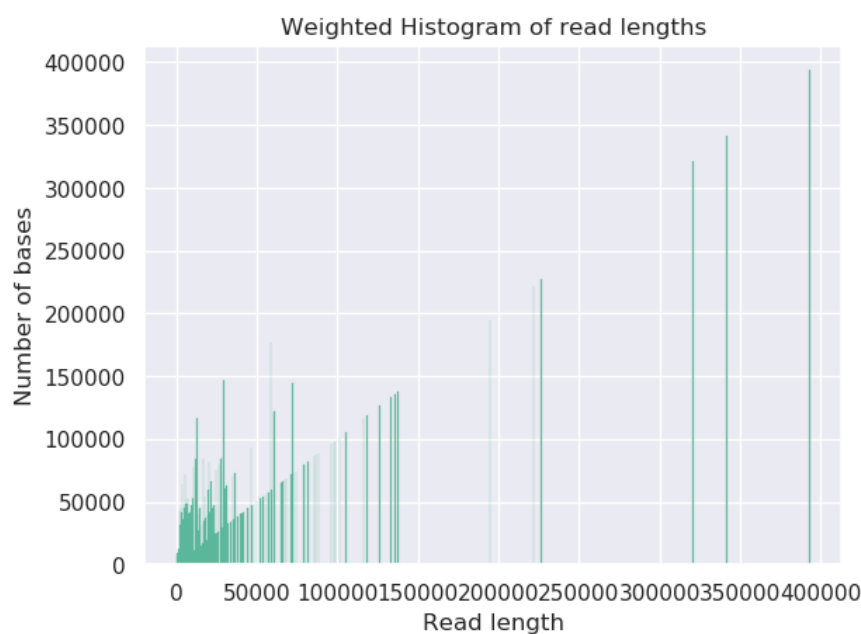
### Histogram of read lengths



Histogram of read lengths after log transformation



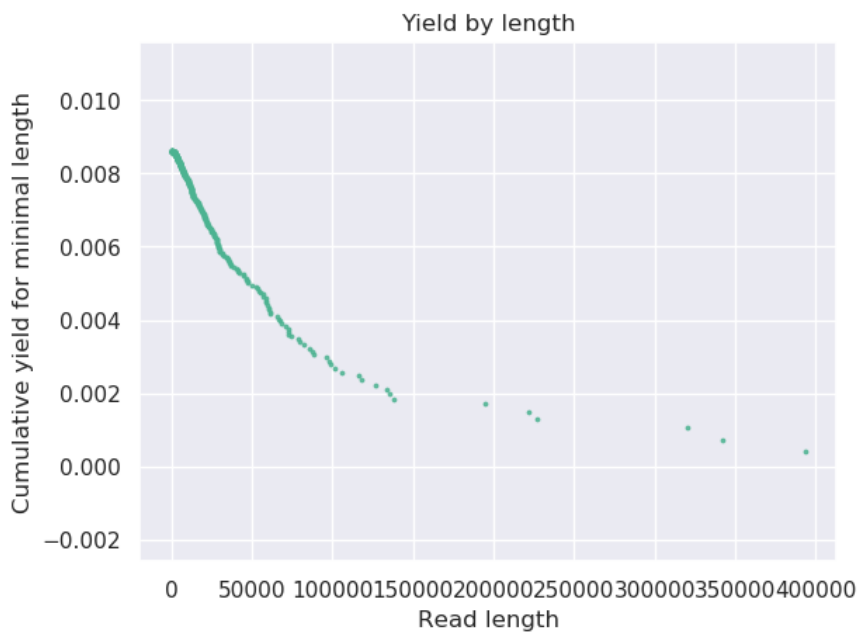
Weighted Histogram of read lengths



Weighted Histogram of read lengths after log transformation

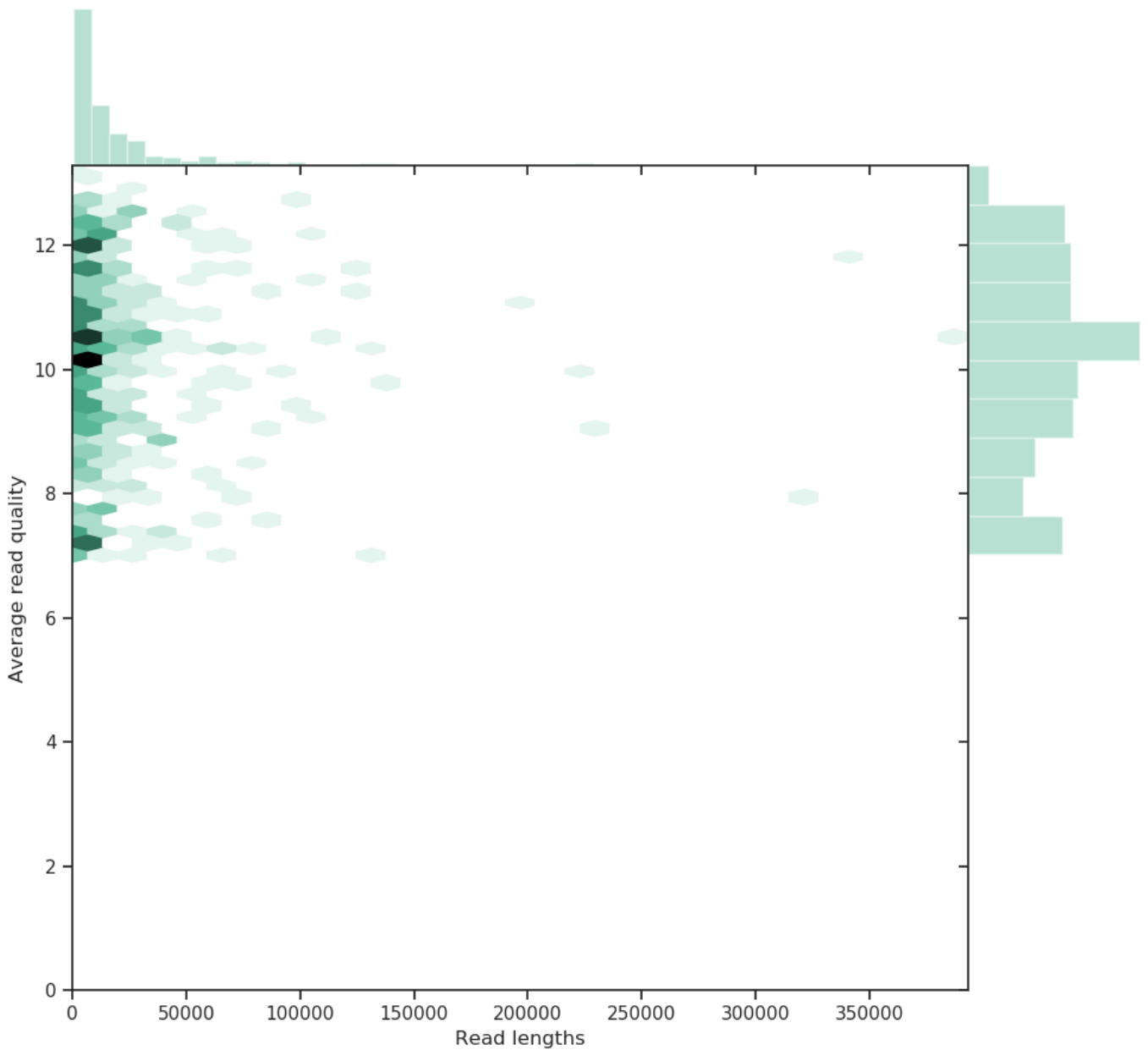


### Yield by length



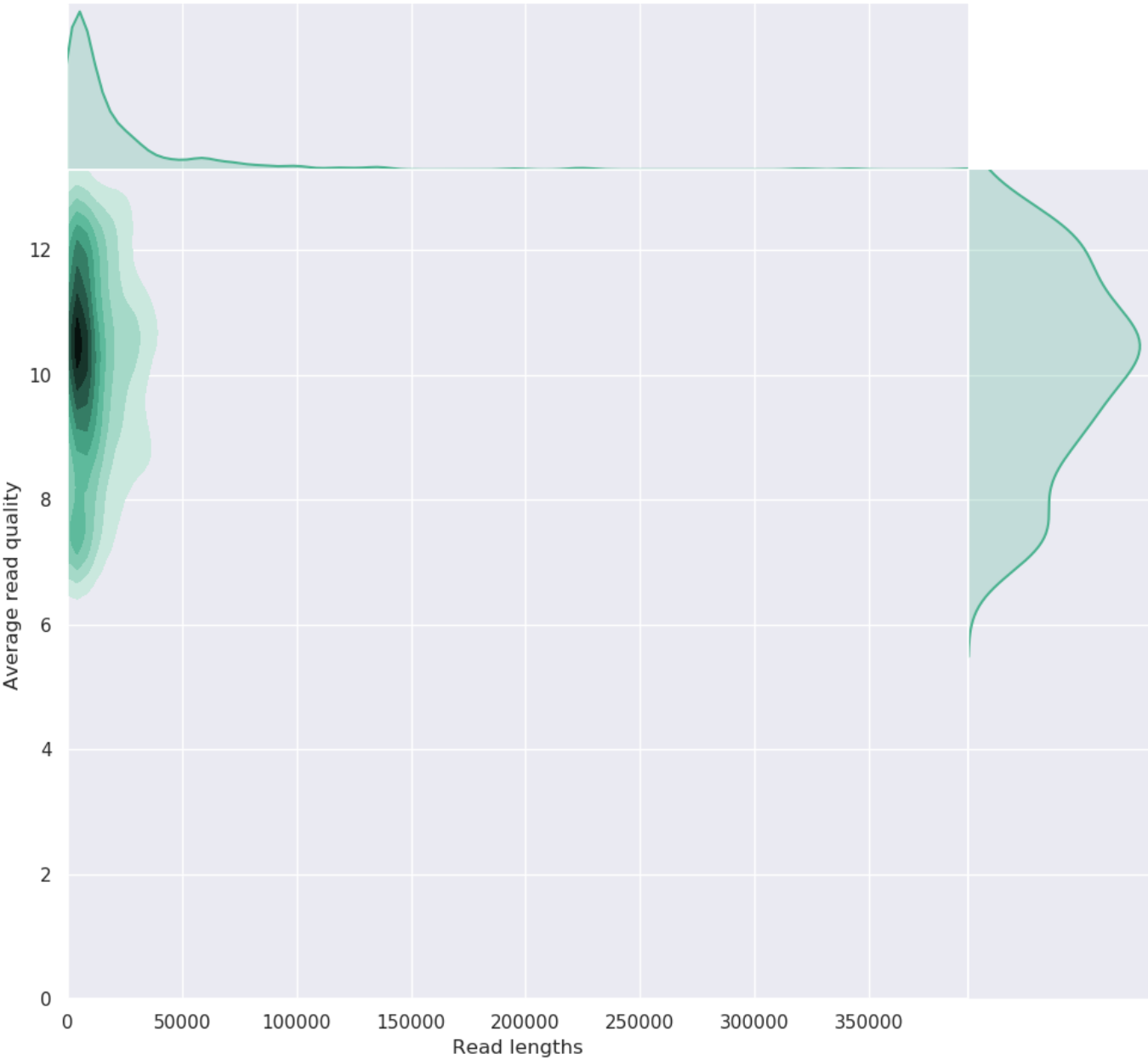
### Read lengths vs Average read quality plot using hexagonal bins

Read lengths vs Average read quality plot

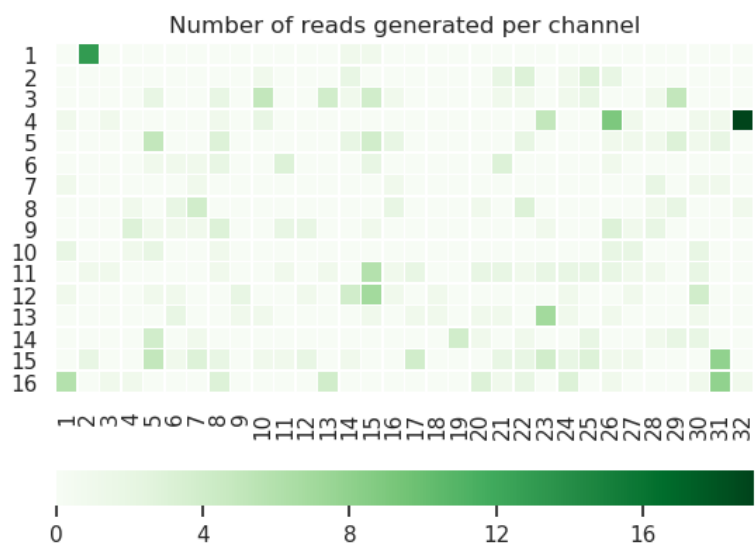


Read lengths vs Average read quality plot using a kernel density estimation

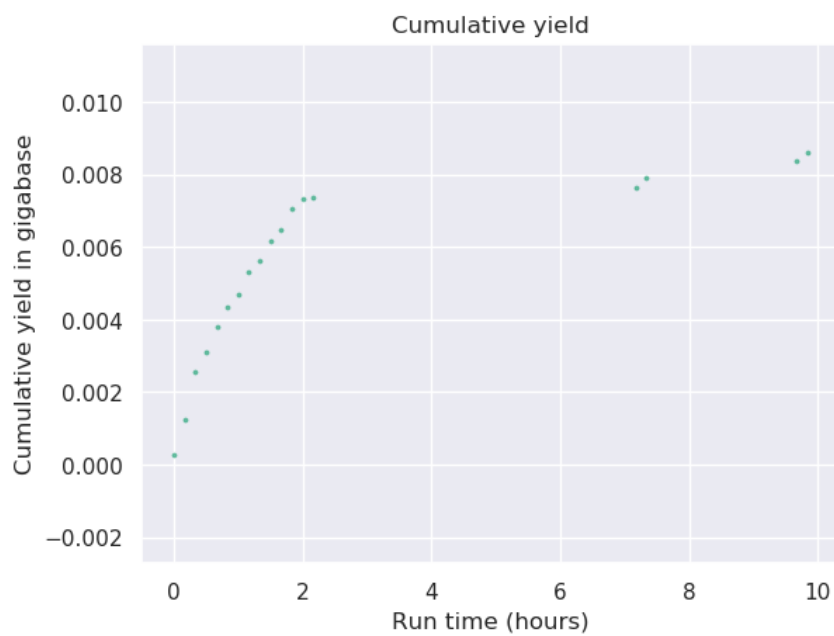
Read lengths vs Average read quality plot



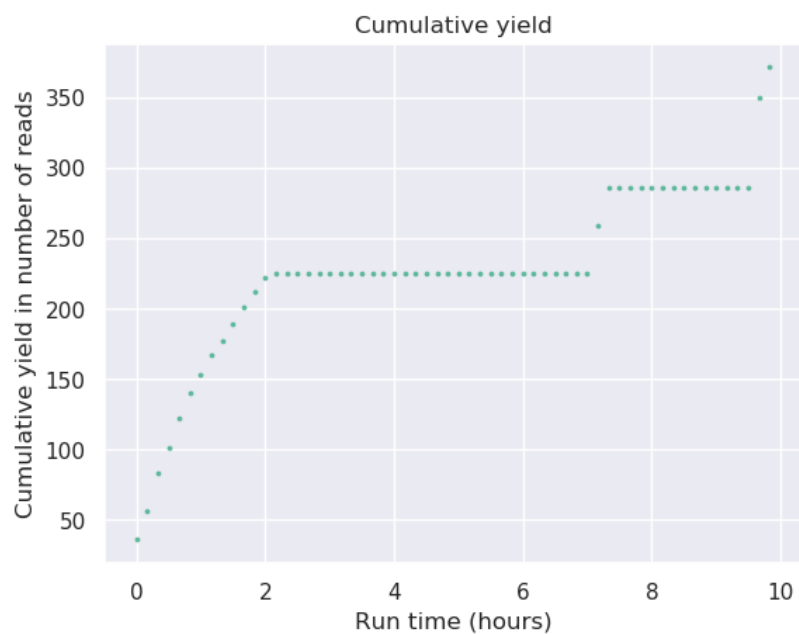
Number of reads generated per channel



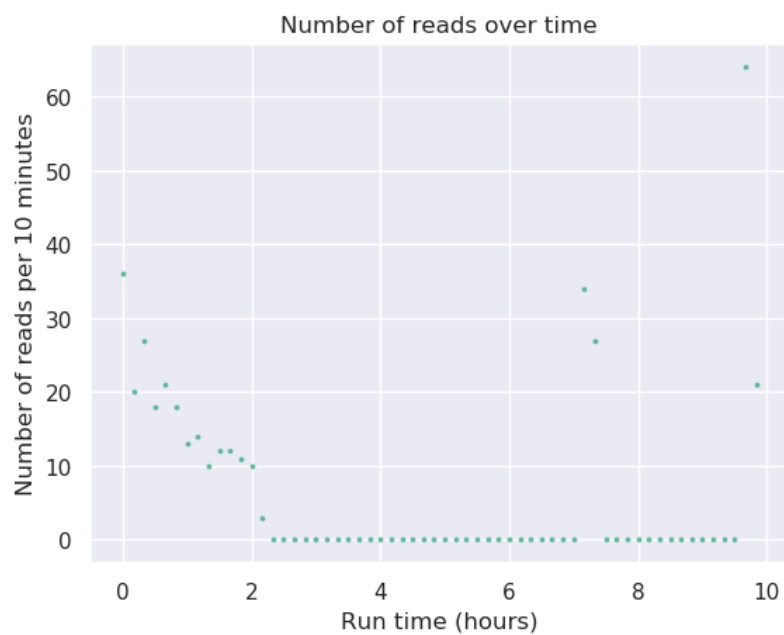
### Cumulative yield



### Cumulative yield

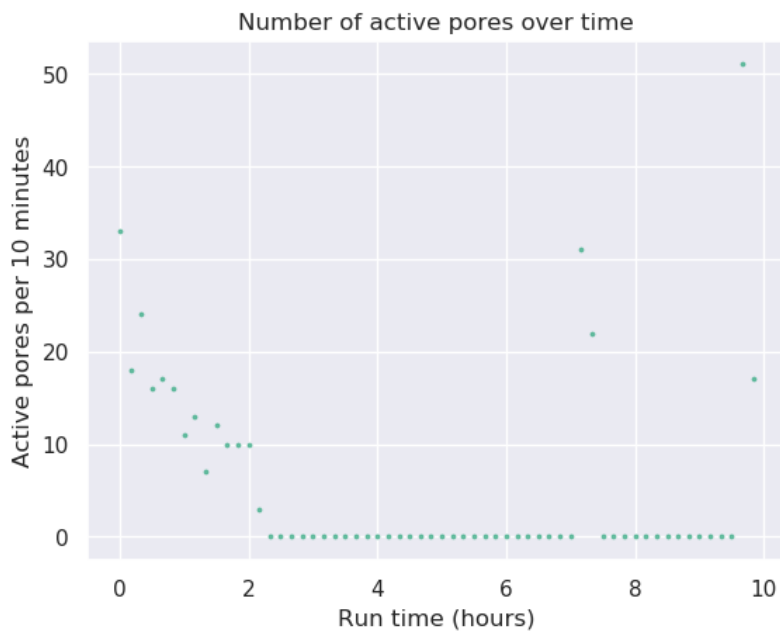


### Number of reads over time

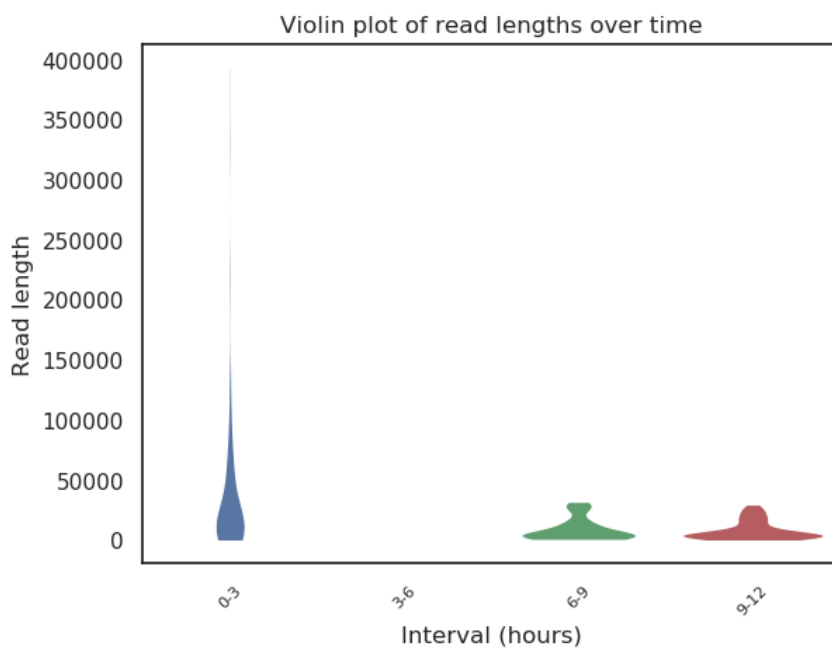


### Number of active pores over time





### Violin plot of read lengths over time



### Violin plot of quality over time

