

[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](#)
- [Read lengths vs Average read quality plot using dots](#)
- [Read lengths vs Average read quality plot using a kernel density estimation](#)
- [Number of reads generated per channel](#)
- [Cumulative yield](#)
- [Cumulative yield](#)
- [Violin plot of read lengths over time](#)
- [Violin plot of quality over time](#)

NanoPlot report

Summary statistics prior to filtering

General summary:

Active channels:	512
Mean read length:	4372.0
Mean read quality:	8.0
Median read length:	3822.0
Median read quality:	8.6
Number of reads:	3667007
Read length N50:	5290
Total bases:	16032264247

Number, percentage and megabases of reads above quality cutoffs

>Q5:	3274177 (89.3%) 1502.0Mb
>Q7:	2799902 (76.4%) 1303.8Mb
>Q10:	410766 (11.2%) 193.6Mb
>Q12:	5 (0.0%) 0.0Mb
>Q15:	0 (0.0%) 0.0Mb

Top 5 highest mean basecall quality scores and their read lengths

1:	12.7 (2735)
2:	12.3 (1982)
3:	12.2 (815)
4:	12.1 (2785)
5:	12.1 (2113)

Top 5 longest reads and their mean basecall quality score

1:	117224 (2.6)
2:	65211 (3.3)
3:	58449 (2.8)
4:	56448 (9.8)
5:	52758 (4.1)

Summary statistics after filtering

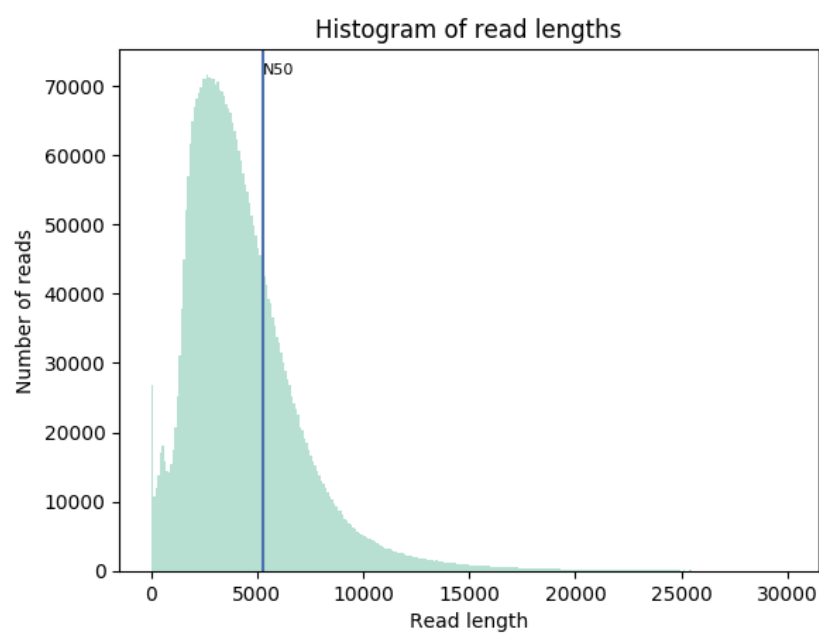
General summary:

Active channels:	512
------------------	-----

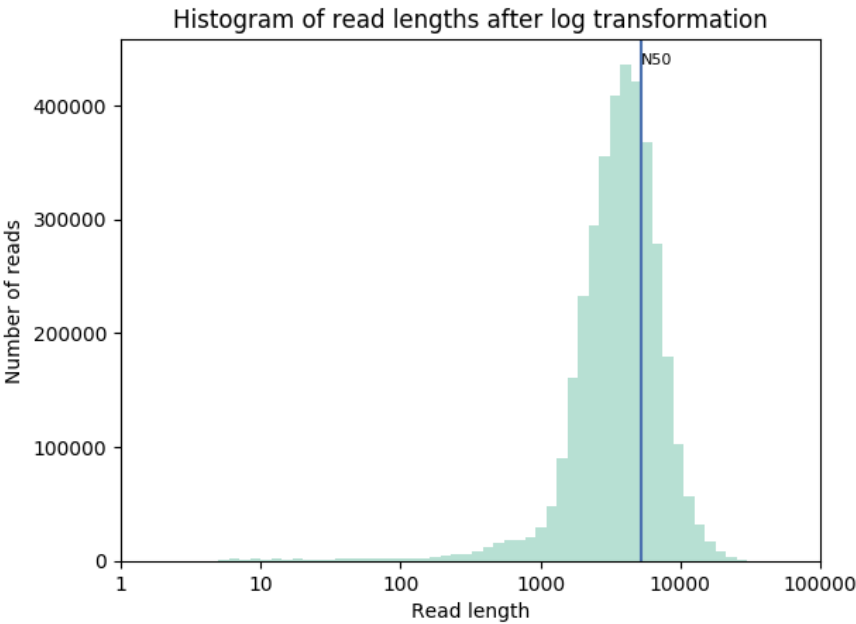
Mean read length:	4369.0
Mean read quality:	8.0
Median read length:	3822.0
Median read quality:	8.6
Number of reads:	3666632
Read length N50:	5287
Total bases:	16019509700
Number, percentage and megabases of reads above quality cutoffs	
>Q5:	3273807 (89.3%) 1500.8Mb
>Q7:	2799588 (76.4%) 1302.7Mb
>Q10:	410751 (11.2%) 193.6Mb
>Q12:	5 (0.0%) 0.0Mb
>Q15:	0 (0.0%) 0.0Mb
Top 5 highest mean basecall quality scores and their read lengths	
1:	12.7 (2735)
2:	12.3 (1982)
3:	12.2 (815)
4:	12.1 (2785)
5:	12.1 (2113)
Top 5 longest reads and their mean basecall quality score	
1:	29988 (9.4)
2:	29975 (7.3)
3:	29964 (8.5)
4:	29954 (8.7)
5:	29951 (5.3)

Plots

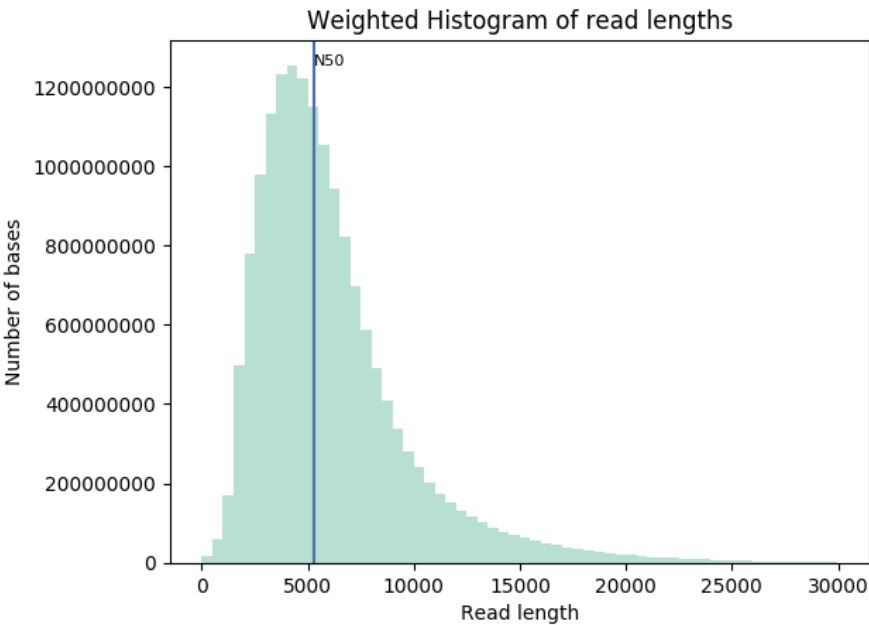
Histogram of read lengths



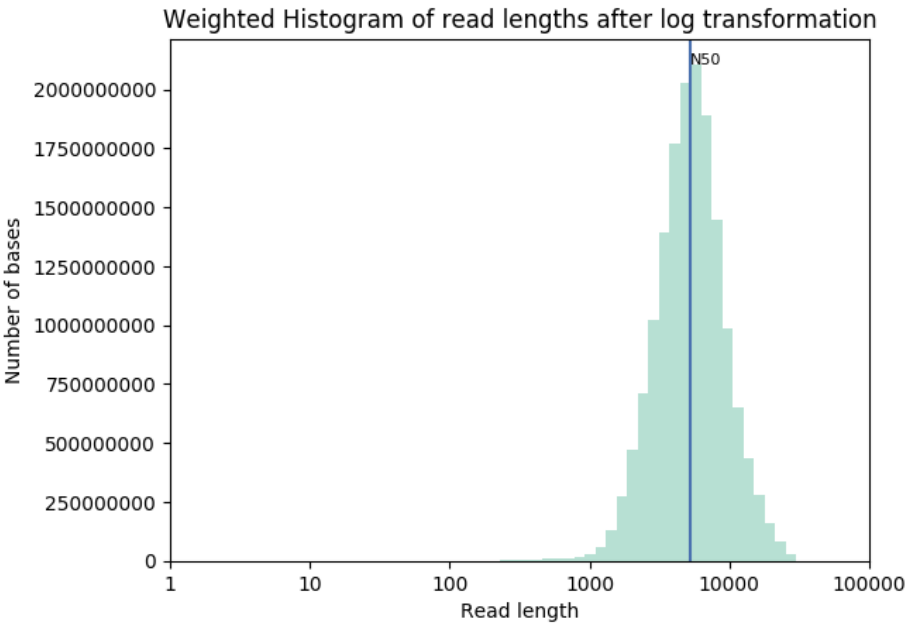
Histogram of read lengths after log transformation



Weighted Histogram of read lengths



Weighted Histogram of read lengths after log transformation



Read lengths vs Average read quality plot using dots

Read lengths vs Average read quality plot

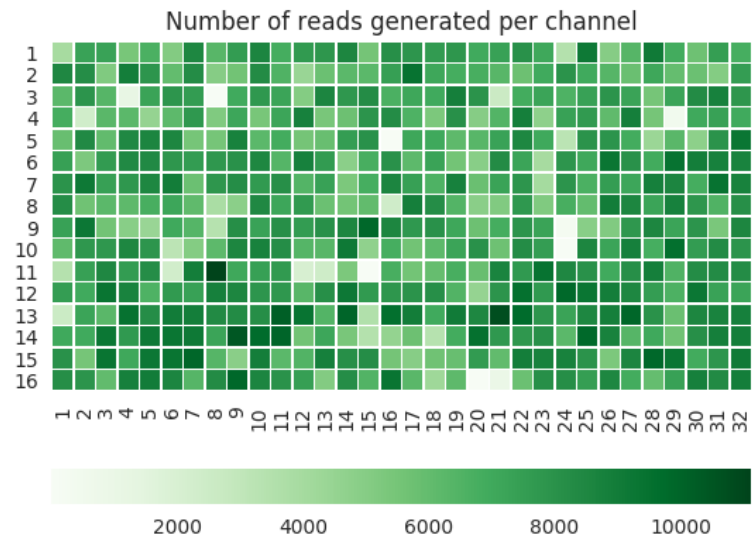


Read lengths vs Average read quality plot using a kernel density estimation

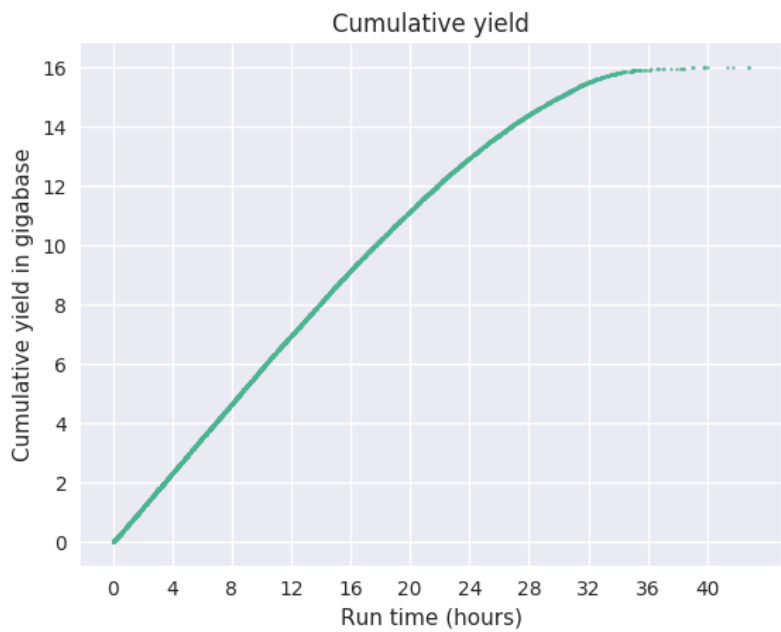
Read lengths vs Average read quality plot



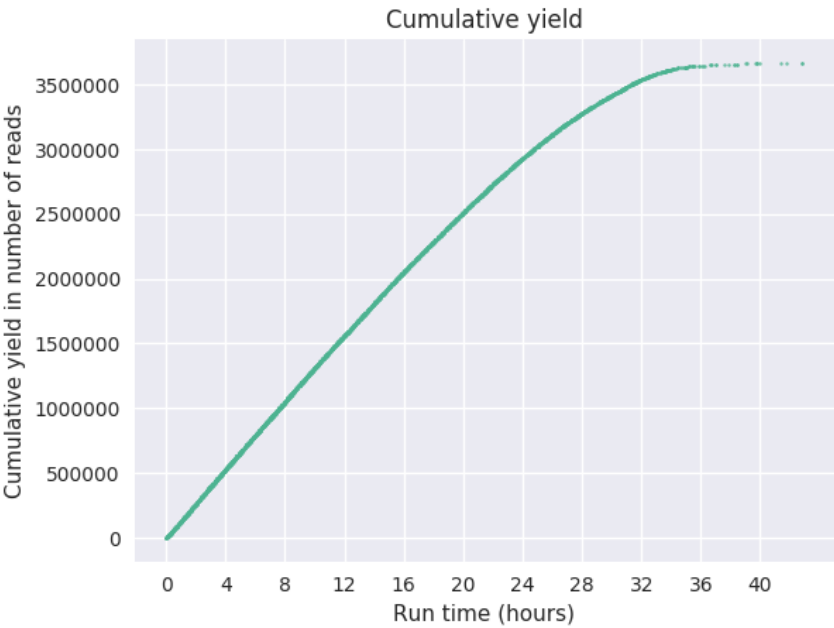
Number of reads generated per channel



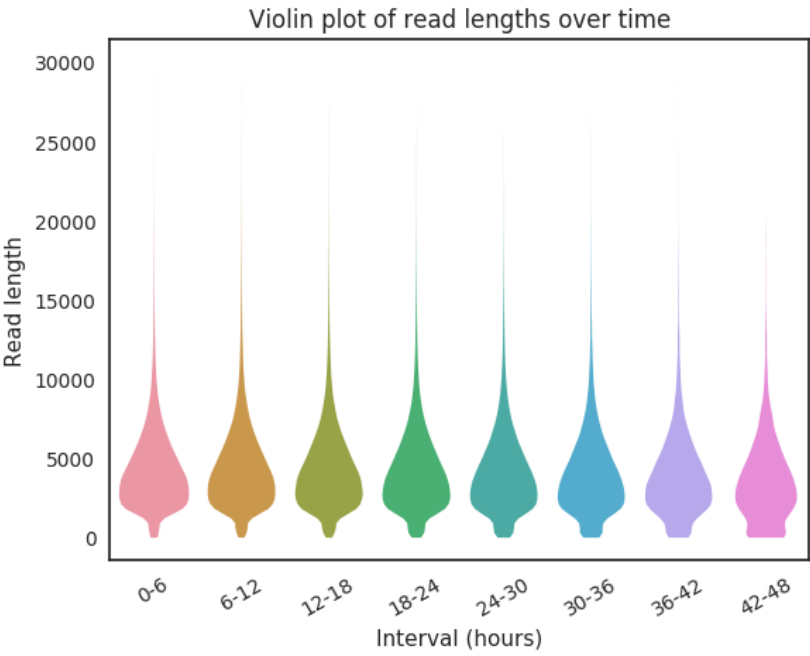
Cumulative yield



Cumulative yield



Violin plot of read lengths over time



Violin plot of quality over time

