NanoPlot report

Summary statistics prior to filtering

General summary:

Active channels:	2701
Mean read length:	4215.2
Mean read quality:	7.7
Median read length:	3699.0
Median read quality:	8.4
Number of reads:	35118078
Read length N50:	5219
Total bases:	148028914788

Number, percentage and megabases of reads above quality cutoffs

>Q5:	30194579 (86.0%) 13666.4Mb
>Q7:	25575674 (72.8%) 11701.1Mb
>Q10:	1176039 (3.3%) 491.7Mb
>Q12:	11 (0.0%) 0.0Mb
>Q15:	0 (0.0%) 0.0Mb

Top 5 highest mean basecall quality scores and their read lengths

1:	12.3 (417)
2:	12.2 (589)
3:	12.1 (527)
4:	12.1 (2704)
5:	12.1 (387)

Top 5 longest reads and their mean basecall quality score

1:	1120269 (6.0)
2:	939514 (4.7)
3:	875458 (4.0)
4:	761625 (3.7)
5:	671827 (3.4)

Summary statistics after filtering

General summary:

Active channels:	2701

Mean read length:	4211.5
Mean read quality:	7.7
Median read length:	3699.0
Median read quality:	8.4
Number of reads:	35115200
Read length N50:	5216
Total bases:	147886402254

Number, percentage and megabases of reads above quality cutoffs

>Q5:	30192428 (86.0%) 13658.0Mb
>Q7:	25574034 (72.8%) 11695.5Mb
>Q10:	1176016 (3.3%) 491.7Mb
>Q12:	11 (0.0%) 0.0Mb
>Q15:	0 (0.0%) 0.0Mb

Top 5 highest mean basecall quality scores and their read lengths

1:	12.3 (417)
2:	12.2 (589)
3:	12.1 (527)
4:	12.1 (2704)
5:	12.1 (387)

Top 5 longest reads and their mean basecall quality score

1:	29997 (8.2)
2:	29993 (8.8)
3:	29992 (8.5)
4:	29988 (9.5)
5:	29986 (6.0)

Plots

Histogram of read lengths

Histogram of read lengths after log transformation
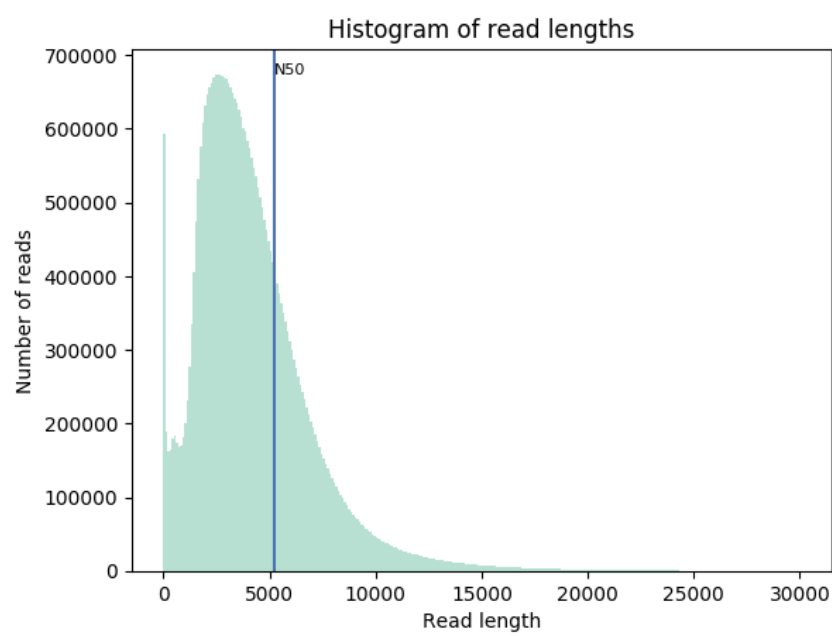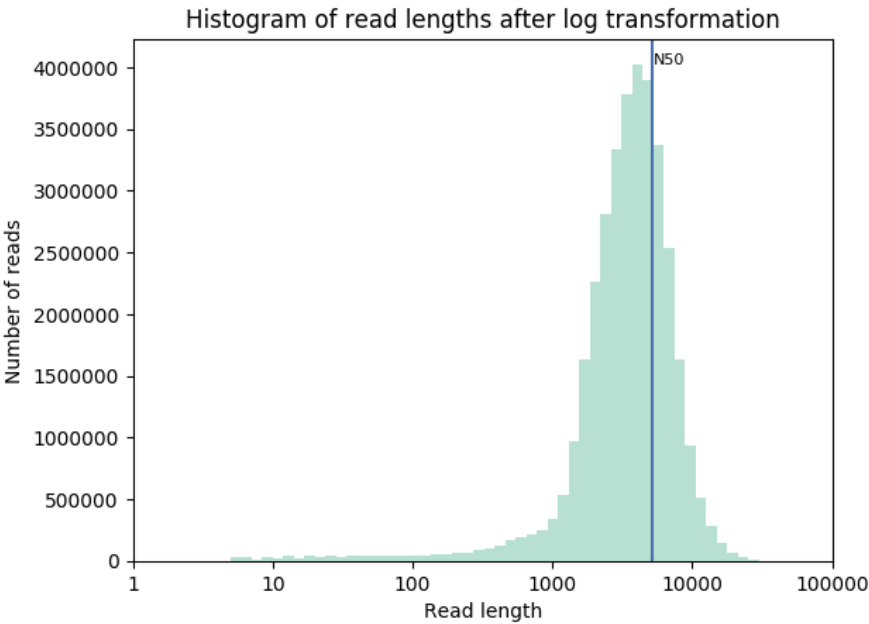
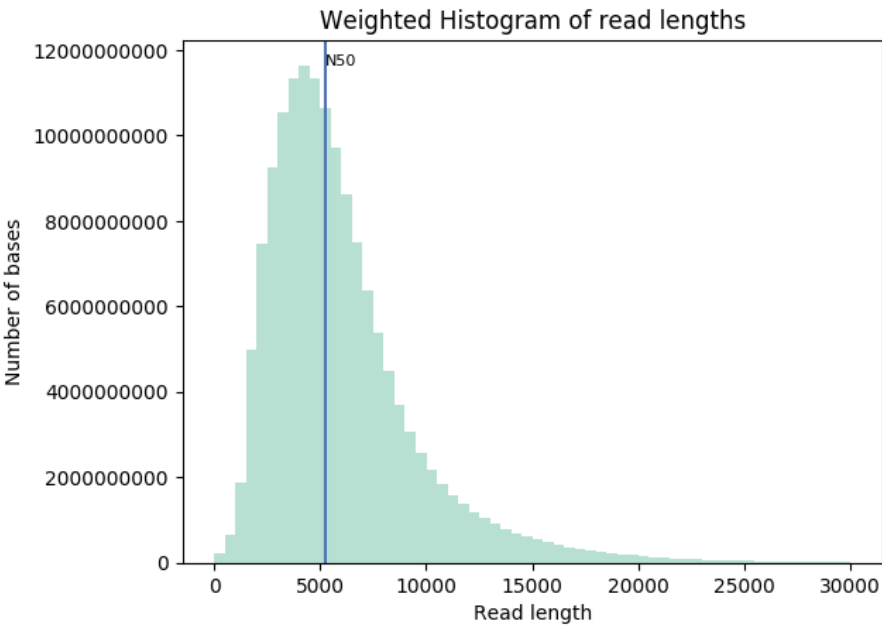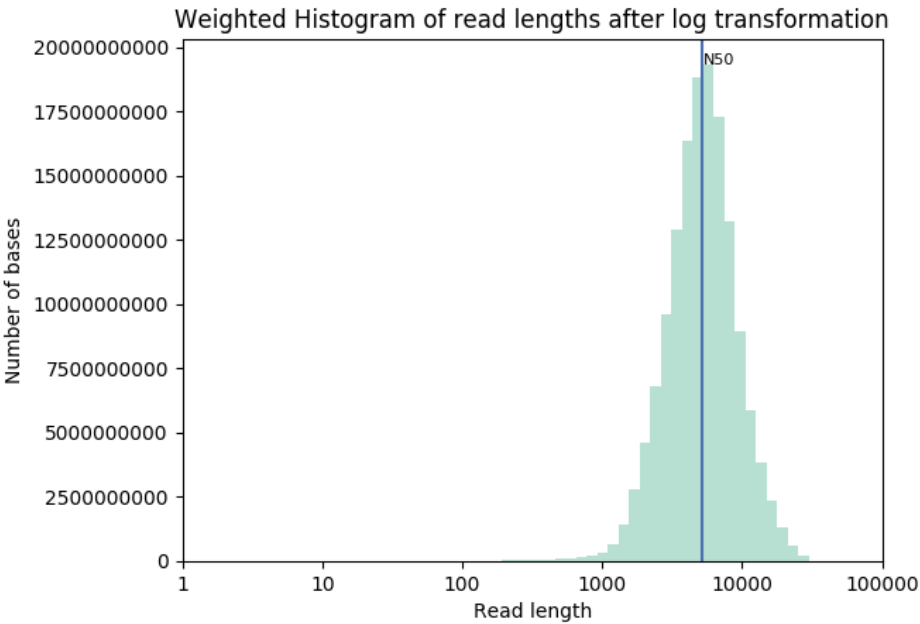## Histogram of read lengths after log transformation

Weighted Histogram of read lengths
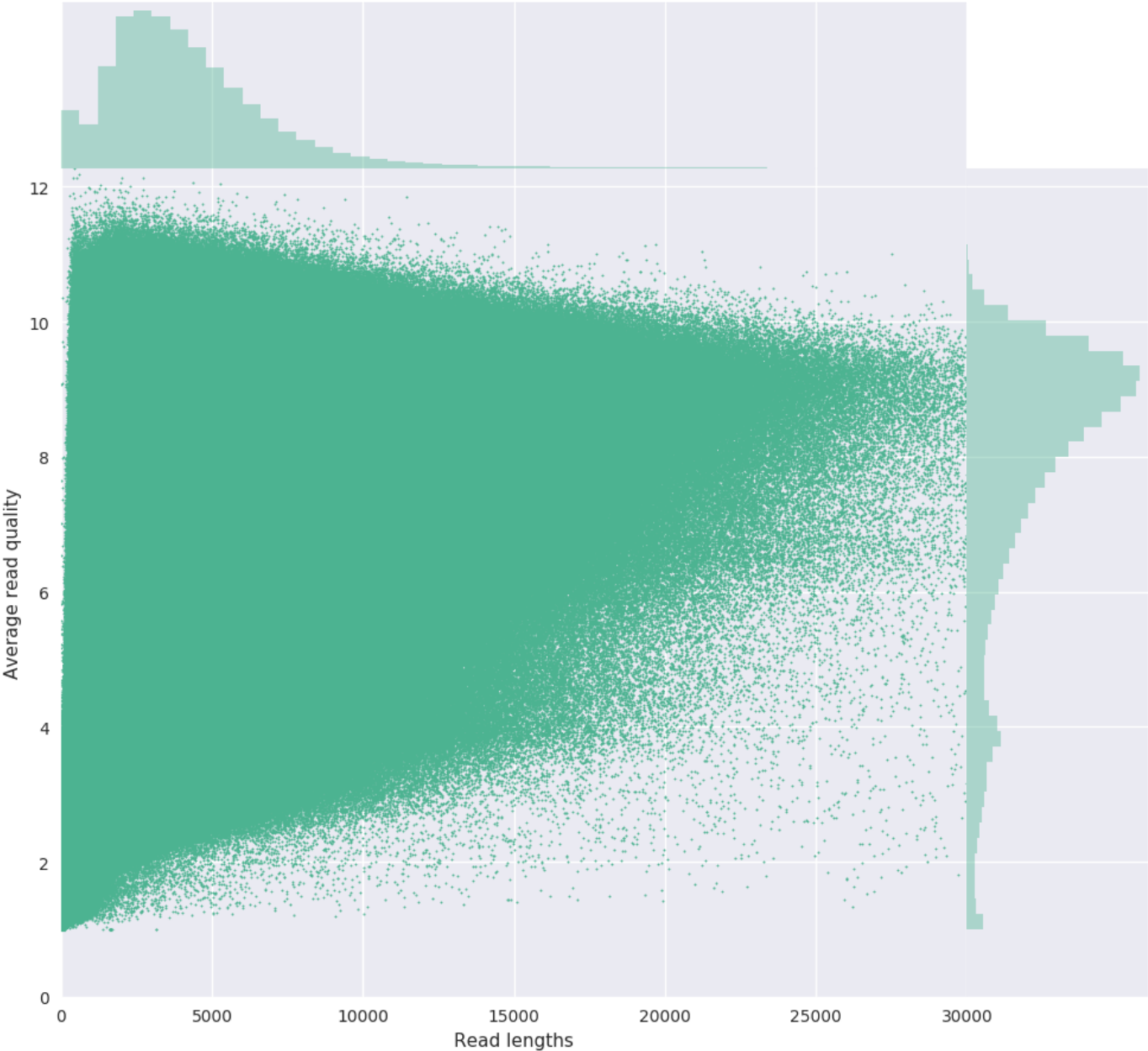
Weighted Histogram of read lengths

Weighted Histogram of read lengths after log transformation

Read lengths vs Average read quality plot using dots

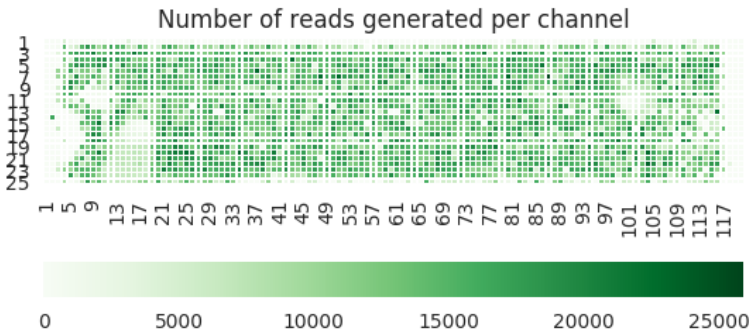# Read lengths vs Average read quality plot

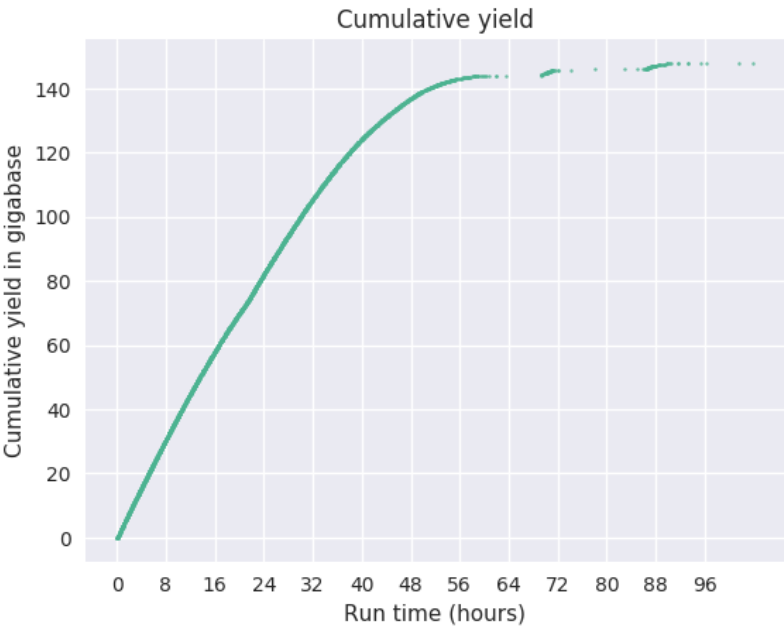**Read lengths vs Average read quality plot using a kernel density estimation**
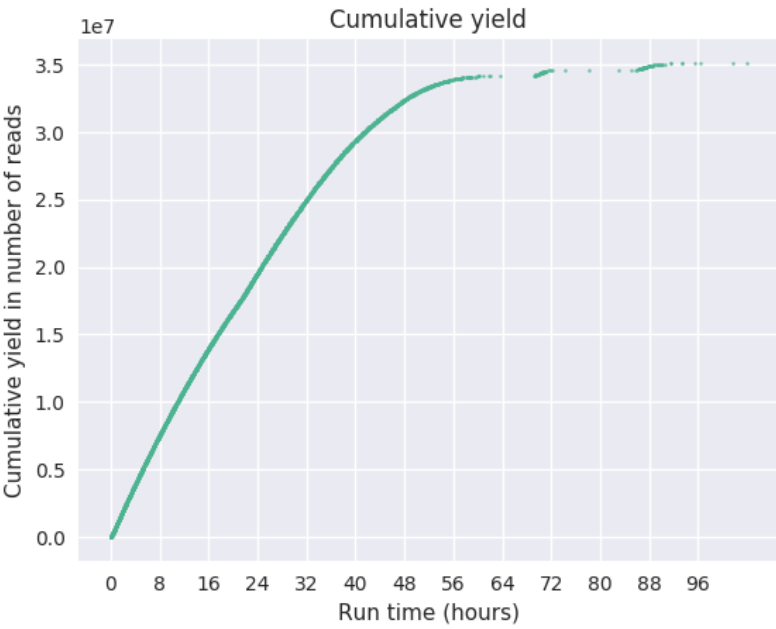
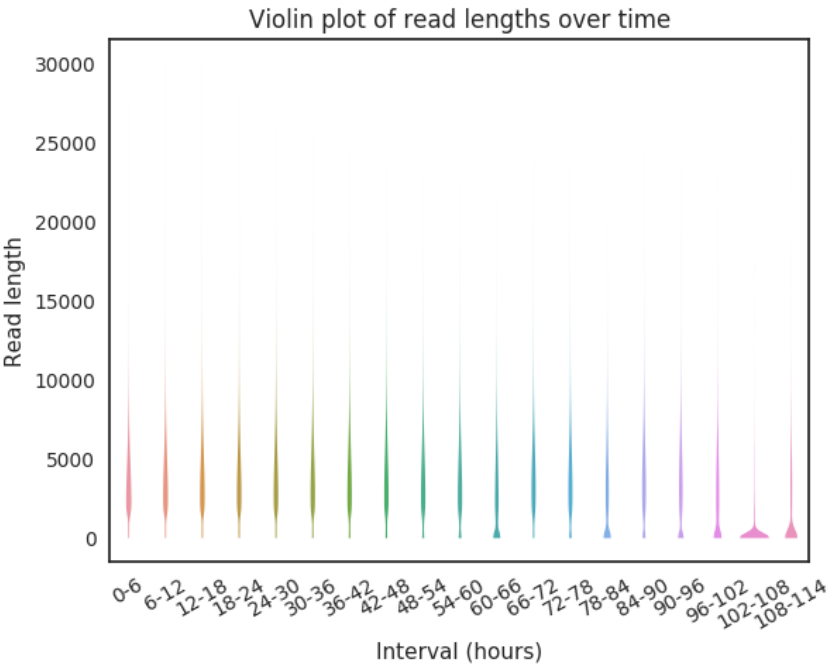# Read lengths vs Average read quality plot

Number of reads generated per channel

Cumulative yield

Cumulative yield

Violin plot of read lengths over time

Violin plot of read lengths over time

Violin plot of quality over time