NanoPlot report

Summary statistics

General summary:

Active channels: 508
Mean read length: 3368.2
Mean read quality: 10.8
Median read length: 2091.0
Median read quality: 11.3
Number of reads: 242472
Read length N50: 5767
Total bases: 816705306

Number, percentage and megabases of reads above quality cutoffs

>Q5: 237944 (98.1%) 807.0Mb
>Q7: 229636 (94.7%) 781.7Mb
>Q10: 188811 (77.9%) 673.1Mb
>Q12: 65472 (27.0%) 271.4Mb
>Q15: 13 (0.0%) 0.0Mb

Top 5 highest mean basecall quality scores and their read lengths

1: 15.8 (572; 5e96fe08-fcf9-4a9a-ba42-61b013dc9104)
2: 15.8 (216; a51ff79a-d5e7-4bf3-a17f-95328be81868)
3: 15.6 (298; e8be98bd-f0d5-4f31-9970-f038ce978db6)
4: 15.4 (2147; b433acc3-8934-4bcf-93e2-840995d4fbd0)
5: 15.4 (1080; 524d9c84-9a6d-41dd-80c9-f537cd08eaaf)

Top 5 longest reads and their mean basecall quality score

1: 47534 (12.9; 9c91ca8c-9b44-40e3-80eb-df48756ebf8e)
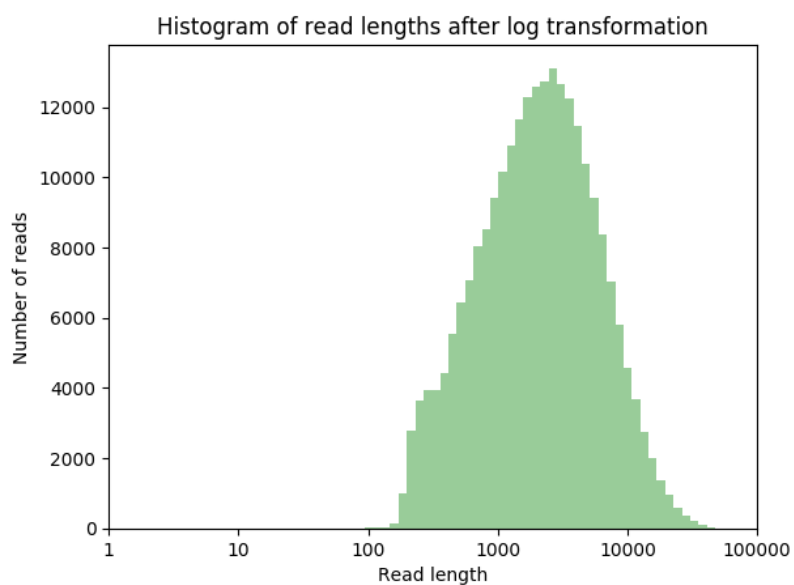2: 47387 (11.6; 8ff513bd-36c8-4a8a-a92c-a5bb92689ac1)

| 3: | 47327 (11.2; cc10e3f1-412b-47f1-9fa5-f9c6a01f8900) |
| 4: | 46984 (12.3; 33aa8965-5c74-4ad5-a137-35e9df337be3) |
| 5: | 46779 (12.2; f35c822f-74dc-4e46-95b8-31ea4e7bd96b) |

Plots

Histogram of read lengths
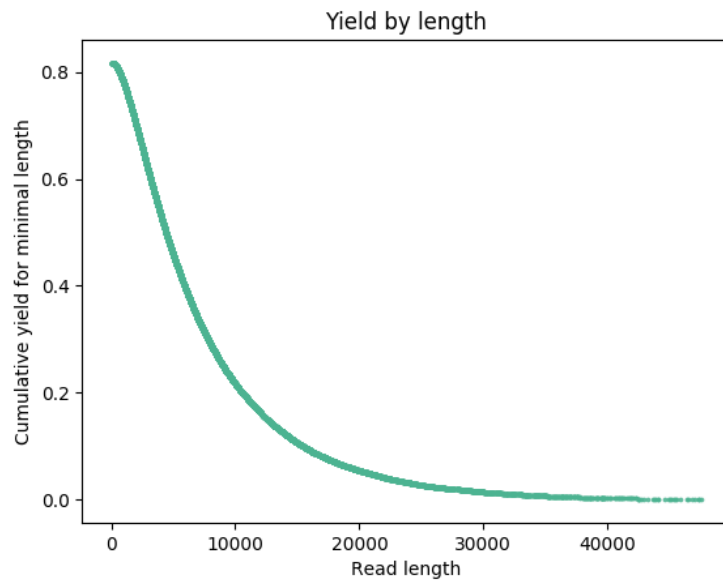

Histogram of read lengths after log transformation

Weighted Histogram of read lengths

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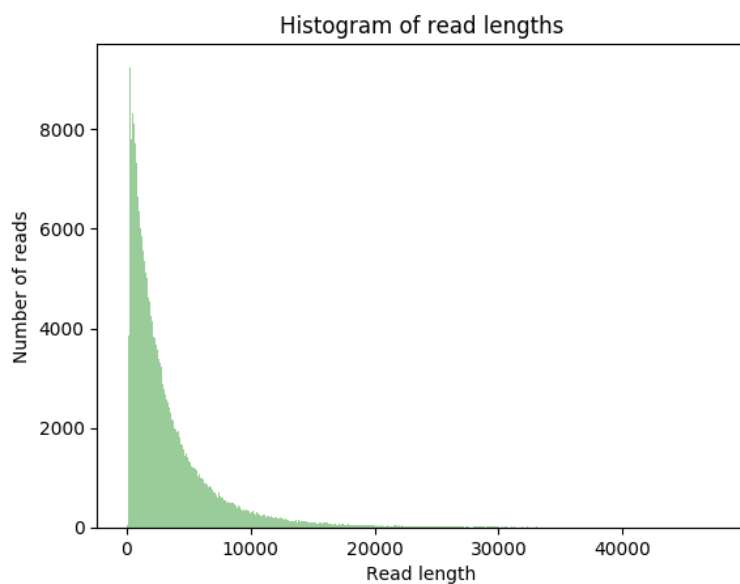
Weighted Histogram of read lengths

Weighted Histogram of read lengths after log transformation
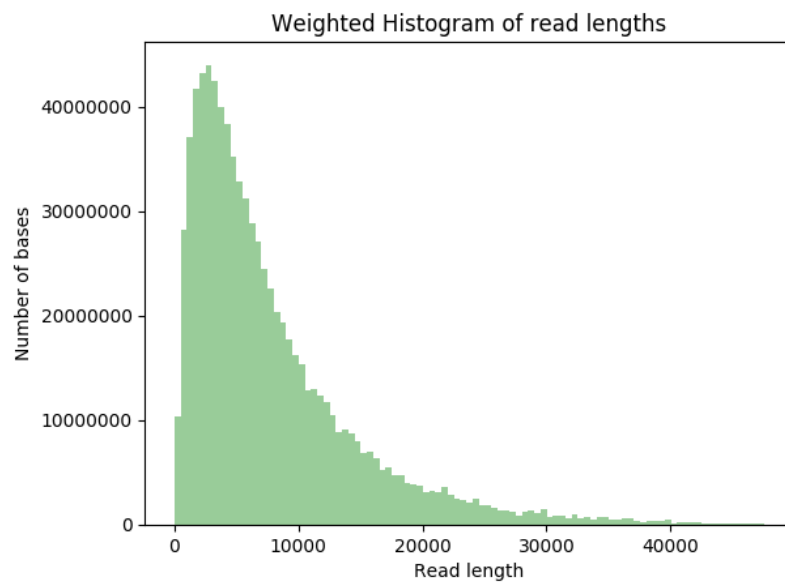
Weighted Histogram of read lengths after log transformation
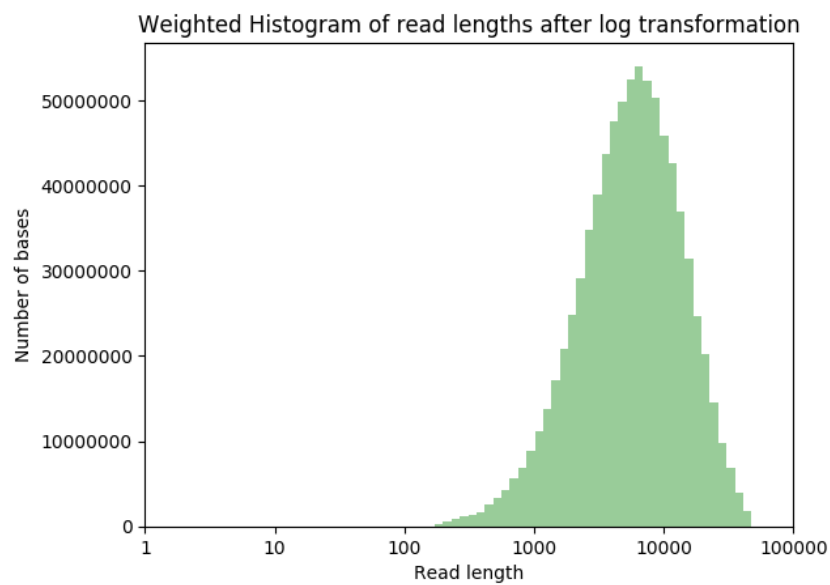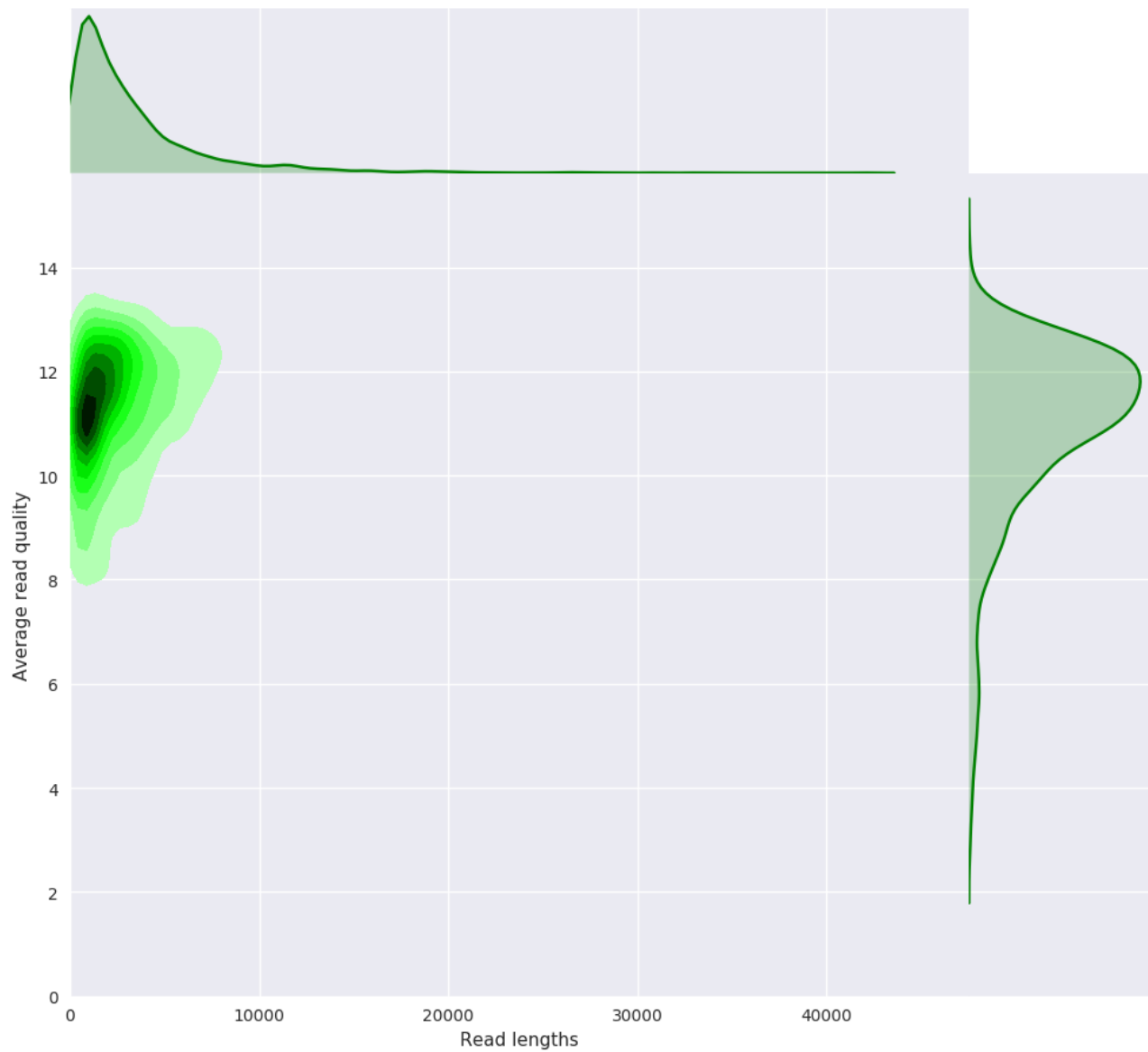
Yield by length

Read lengths vs Average read quality plot using dots
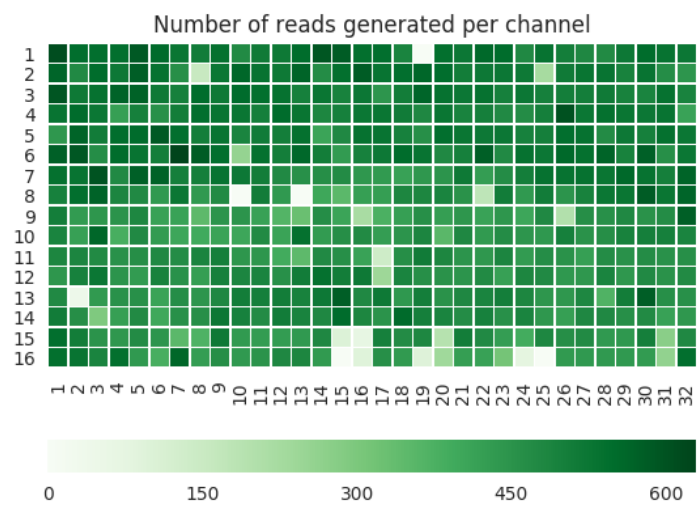
Read lengths vs Average read quality plot

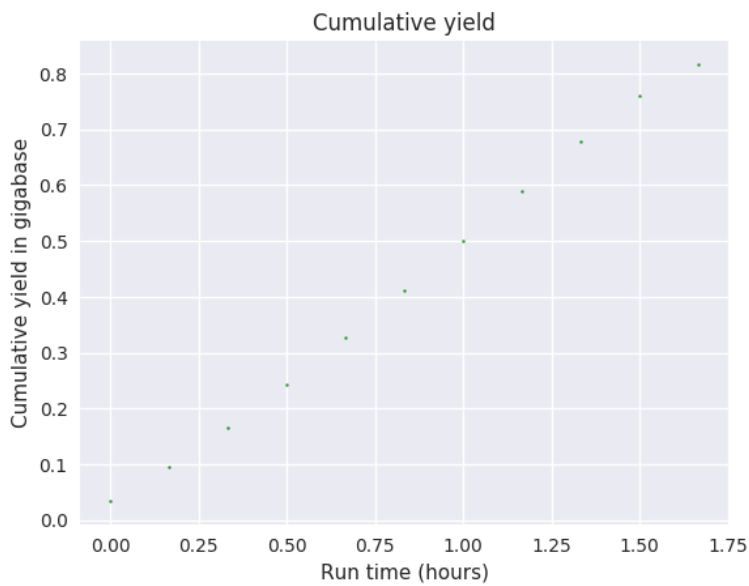**Read lengths vs Average read quality plot using a kernel density estimation**
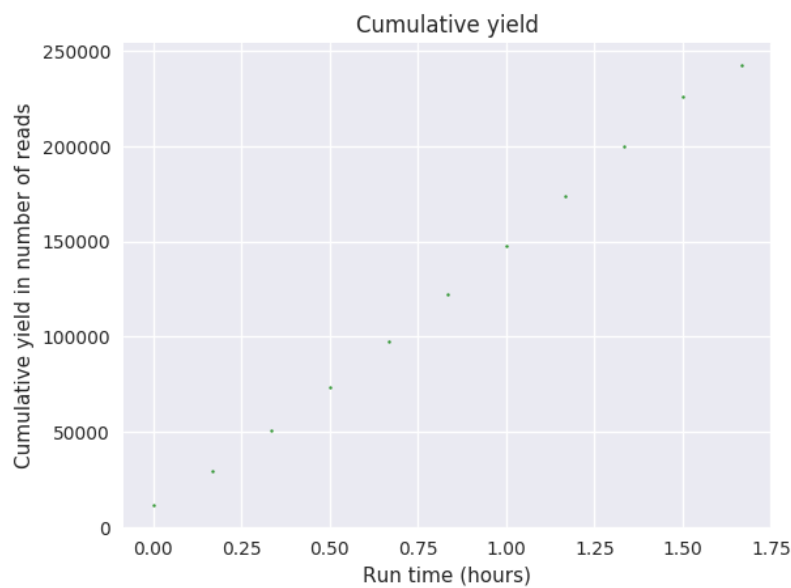
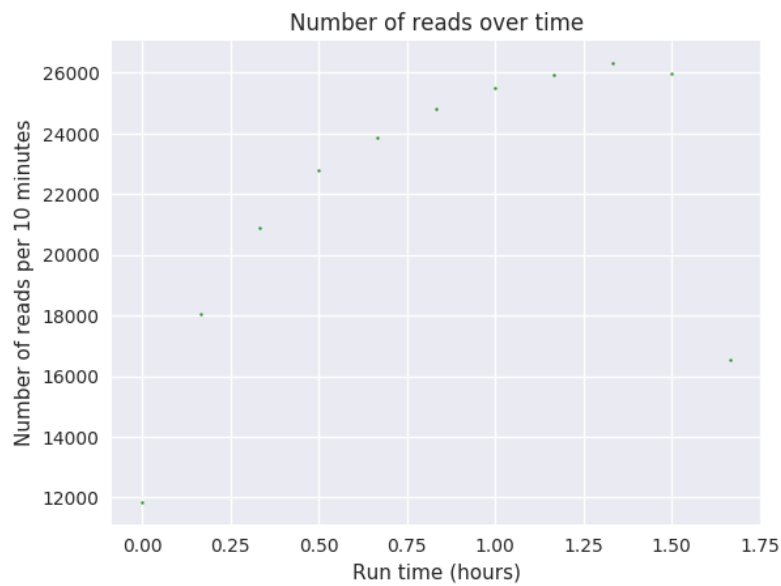# Read lengths vs Average read quality plot

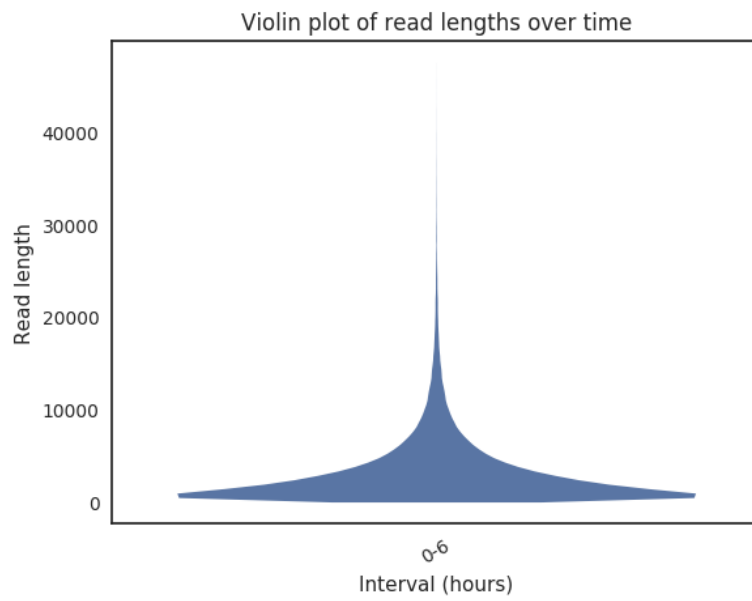**Number of reads generated per channel**

Cumulative yield

Cumulative yield

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Cumulative yield

Number of reads over time

Number of reads over time

Violin plot of read lengths over time

Violin plot of read lengths over time

Violin plot of quality over time