

[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:	510	
Mean read length:	4012.3	
Mean read quality:	8.4	
Median read length:	3275.0	
Median read quality:	9.1	
Number of reads:	3491078	
Read length N50:	5213	
Total bases:	14007156825	
Number, percentage and megabases of reads above quality cutoffs		
>Q5:	3163378 (90.6%)	1324.6Mb
>Q7:	2801684 (80.3%)	1193.2Mb
>Q10:	710438 (20.4%)	319.9Mb
>Q12:	64 (0.0%)	0.0Mb
>Q15:	0 (0.0%)	0.0Mb
Top 5 highest mean basecall quality scores and their read lengths		
1:	12.4	(1222)
2:	12.3	(2381)
3:	12.3	(1807)
4:	12.3	(496)
5:	12.3	(1479)
Top 5 longest reads and their mean basecall quality score		
1:	107972	(3.8)
2:	80379	(3.2)
3:	66845	(2.7)
4:	65787	(6.2)
5:	57563	(2.8)

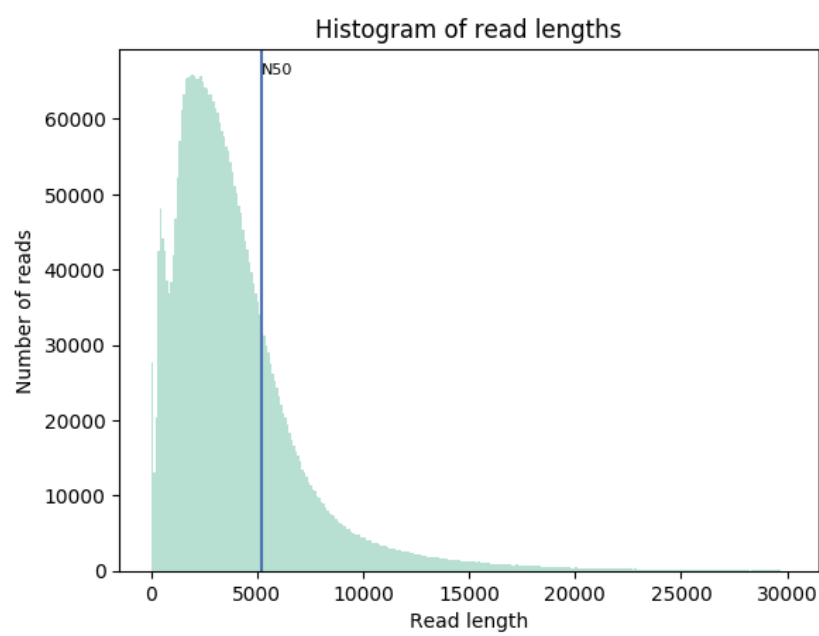
Summary statistics after filtering

General summary:		
Active channels:	510	

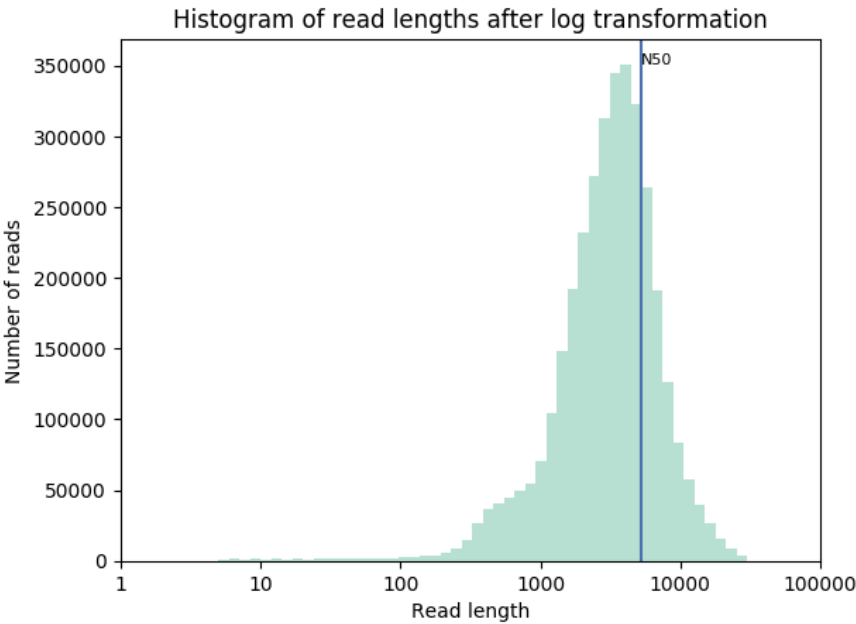
Mean read length:	3999.4
Mean read quality:	8.4
Median read length:	3274.0
Median read quality:	9.1
Number of reads:	3489572
Read length N50:	5199
Total bases:	13956170700
Number, percentage and megabases of reads above quality cutoffs	
>Q5:	3161902 (90.6%) 1319.6Mb
>Q7:	2800311 (80.2%) 1188.6Mb
>Q10:	710149 (20.4%) 318.9Mb
>Q12:	64 (0.0%) 0.0Mb
>Q15:	0 (0.0%) 0.0Mb
Top 5 highest mean basecall quality scores and their read lengths	
1:	12.4 (1222)
2:	12.3 (2381)
3:	12.3 (1807)
4:	12.3 (496)
5:	12.3 (1479)
Top 5 longest reads and their mean basecall quality score	
1:	29996 (8.2)
2:	29991 (10.0)
3:	29987 (9.7)
4:	29983 (10.7)
5:	29983 (9.4)

Plots

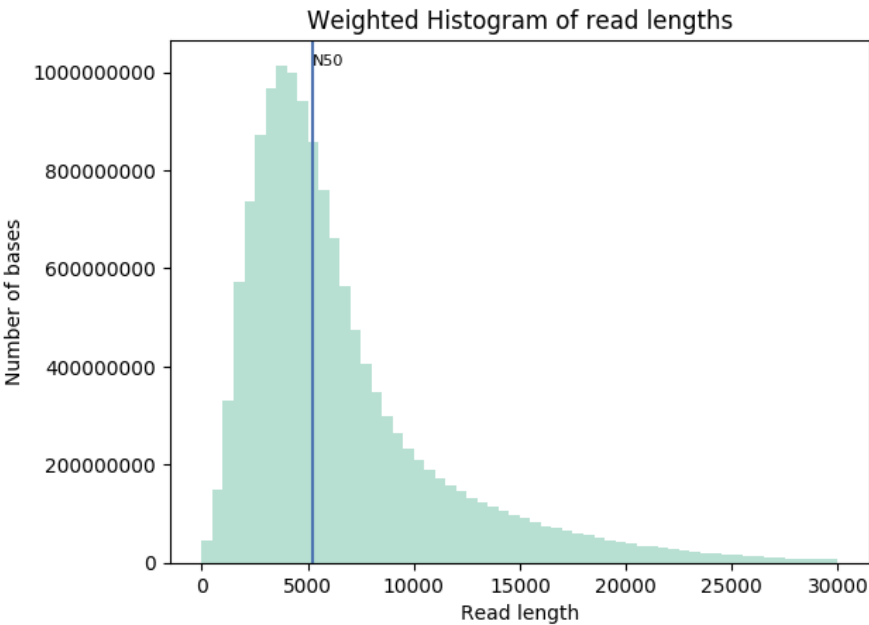
Histogram of read lengths



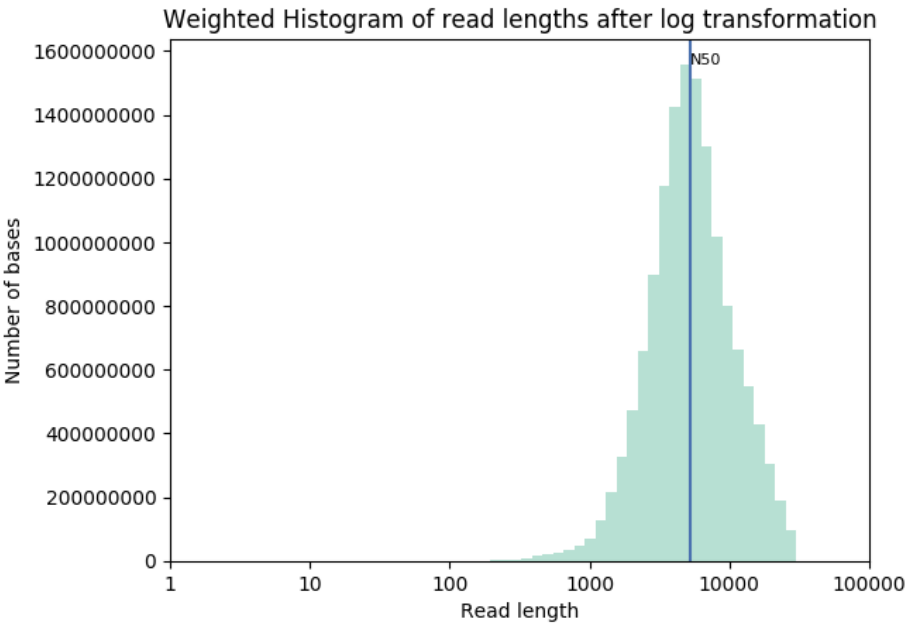
Histogram of read lengths after log transformation



Weighted Histogram of read lengths

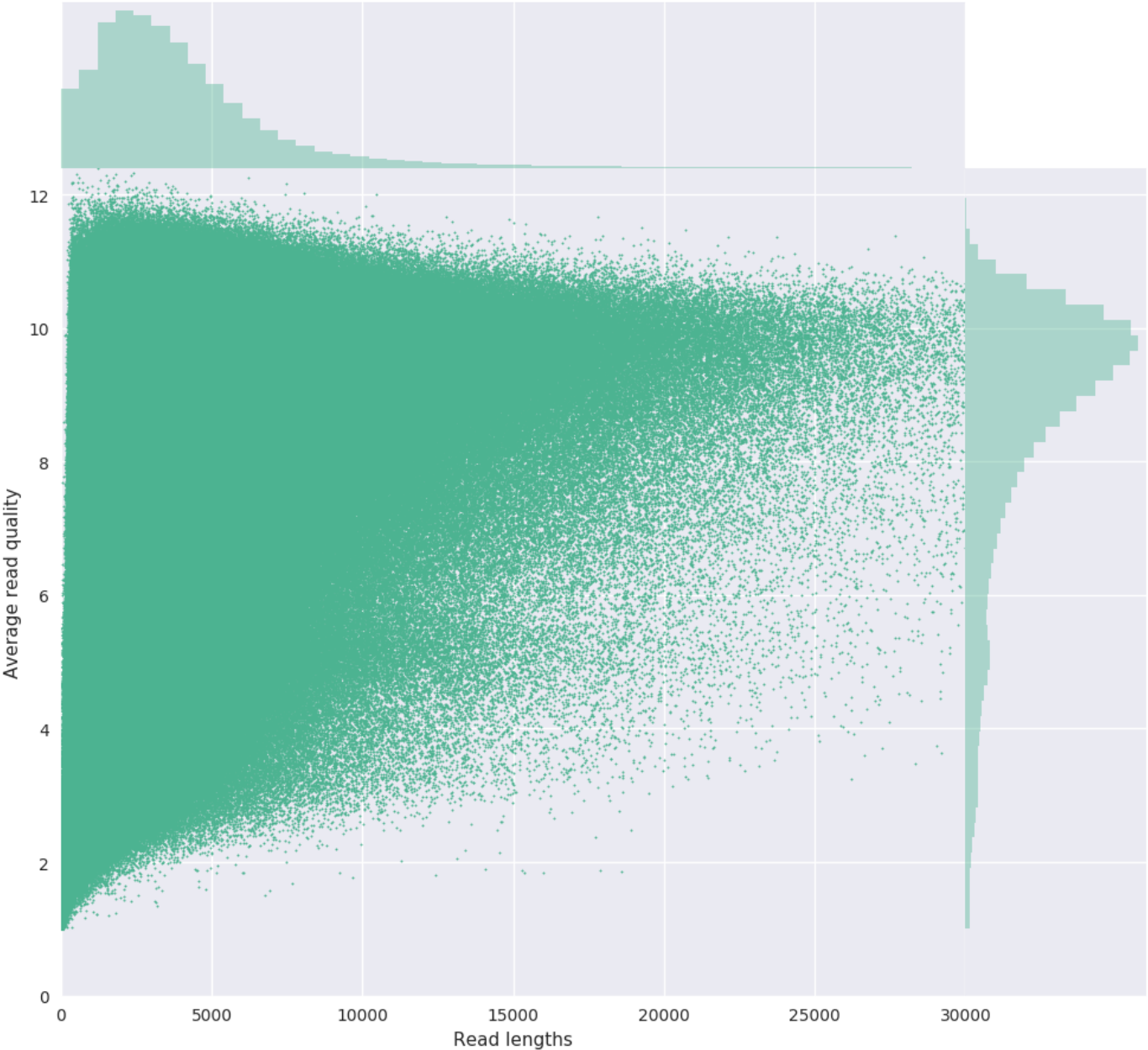


Weighted Histogram of read lengths after log transformation



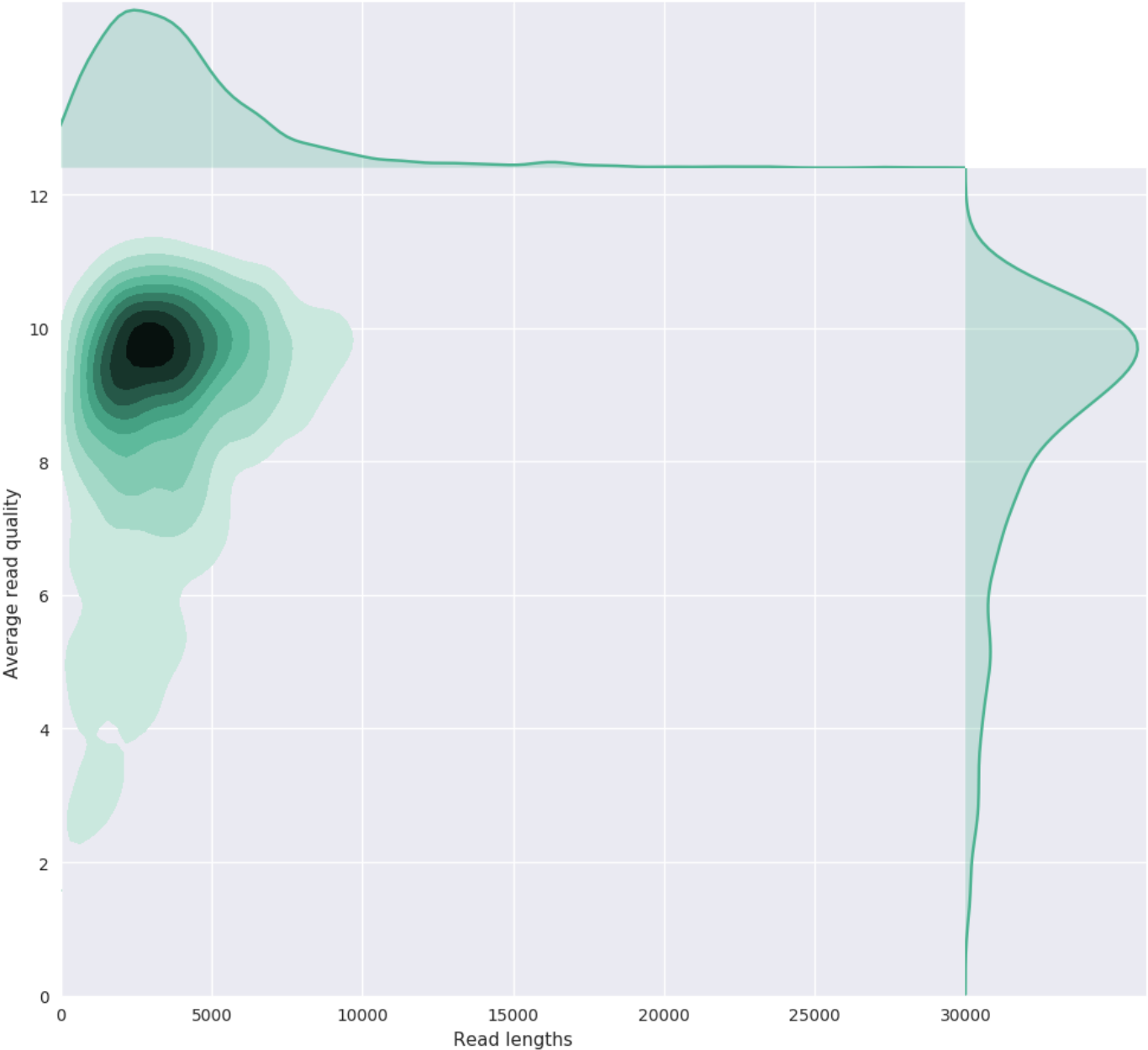
Read lengths vs Average read quality plot using dots

Read lengths vs Average read quality plot

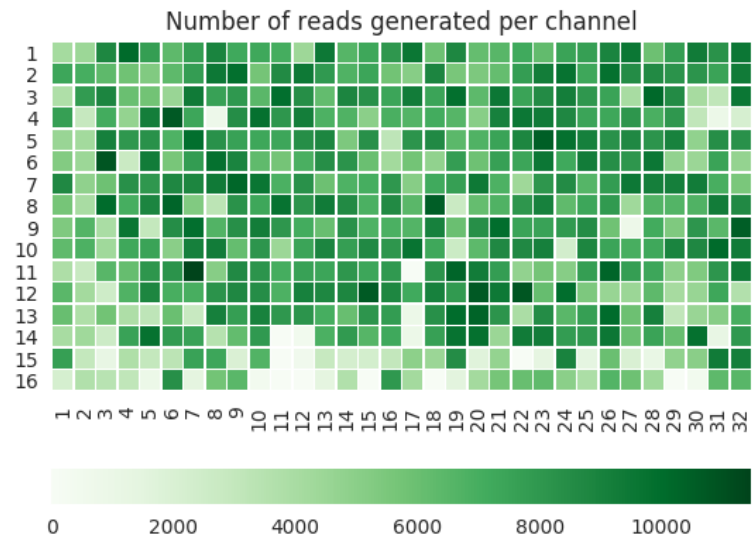


Read lengths vs Average read quality plot using a kernel density estimation

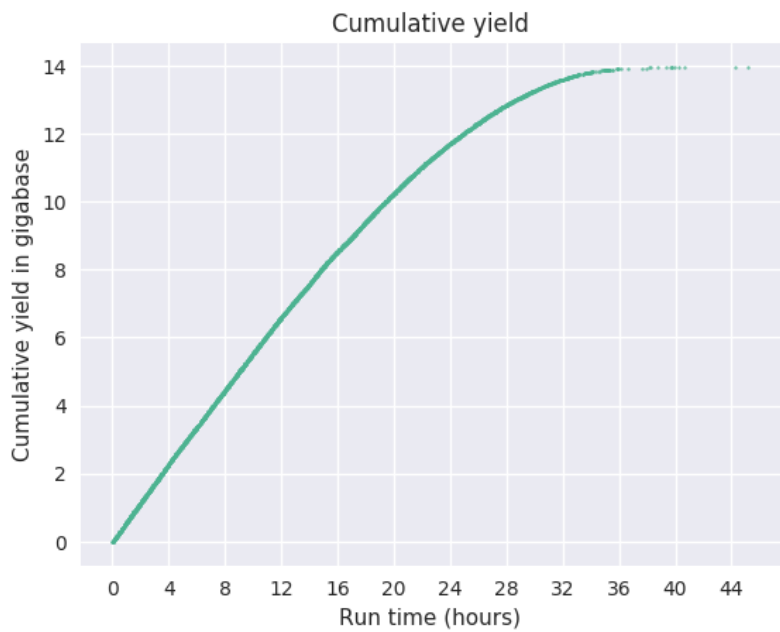
Read lengths vs Average read quality plot



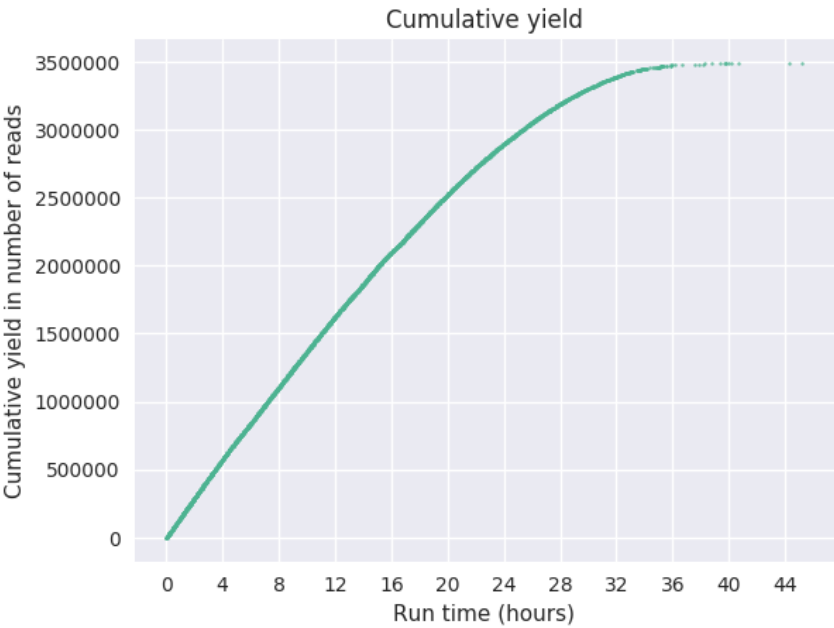
Number of reads generated per channel



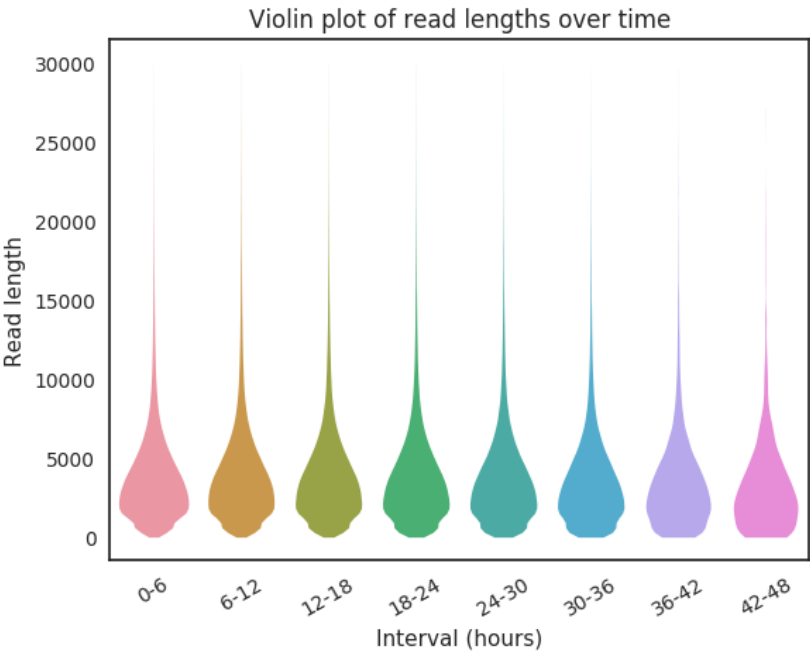
Cumulative yield



Cumulative yield



Violin plot of read lengths over time



Violin plot of quality over time

