



Automated bioinformatics for microbiology labs.

Analysis Name	SISPA_CECov_flowcell2
Run ID	e54fb981-caa4-48a1-9871-1334cbe5fc31
BugSeq Pipeline Version	Latest
Contact E-mail	support@bugseq.com

Report generated on 2022-03-29, 16:49

General Statistics

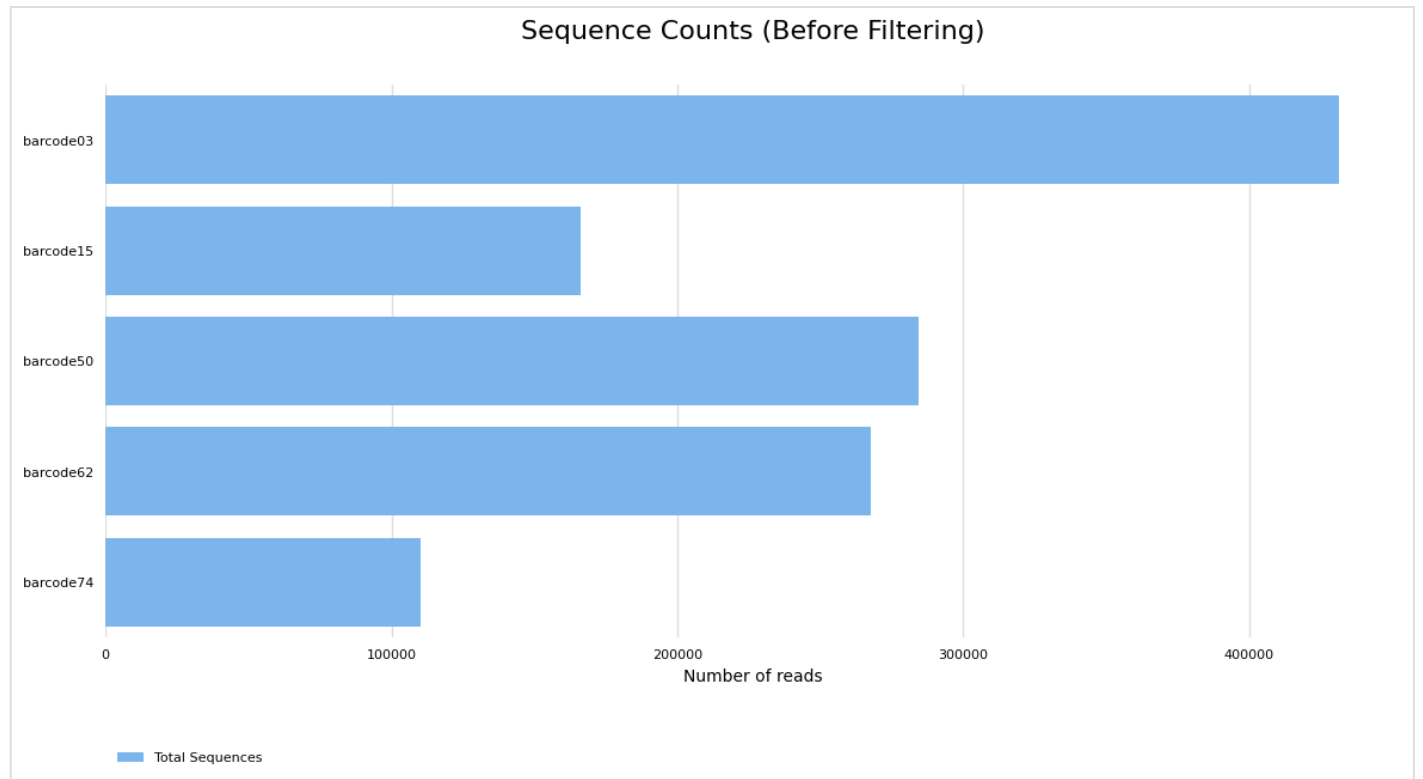
Sample Name	Read Length	K Seqs	% PF
barcode03	179 bp	431.5	100.0%
barcode15	208 bp	166.4	100.0%
barcode50	260 bp	284.4	100.0%
barcode62	201 bp	267.4	100.0%
barcode74	204 bp	110.2	100.0%

Read Quality Control

Read Quality Control assesses the quality of input reads before any processing. BugSeq automatically trims and filters reads before downstream analysis.

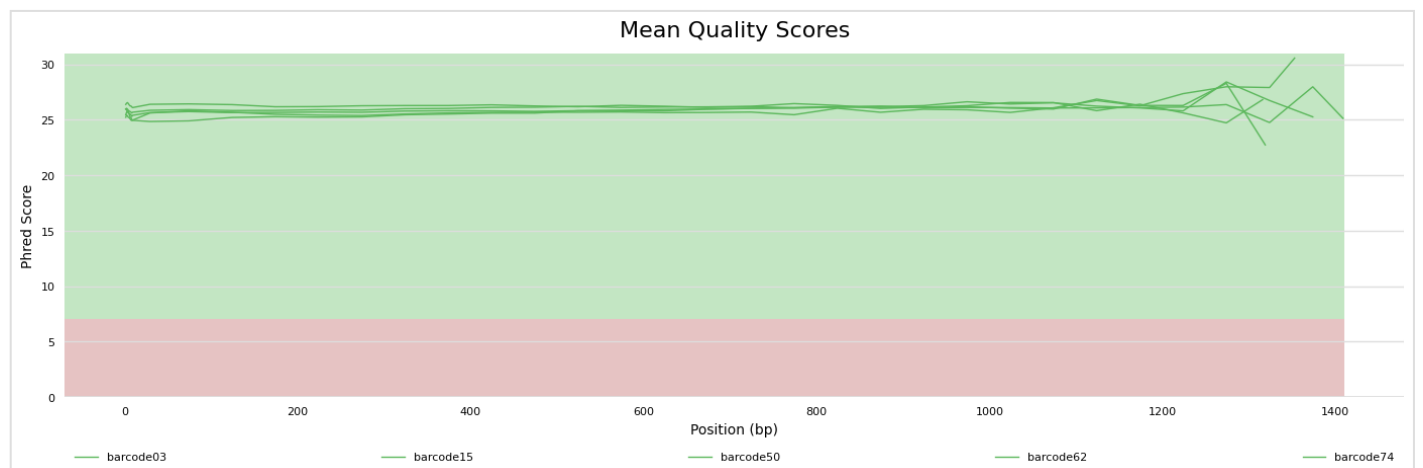
Sequence Counts

Sequence counts for each sample.



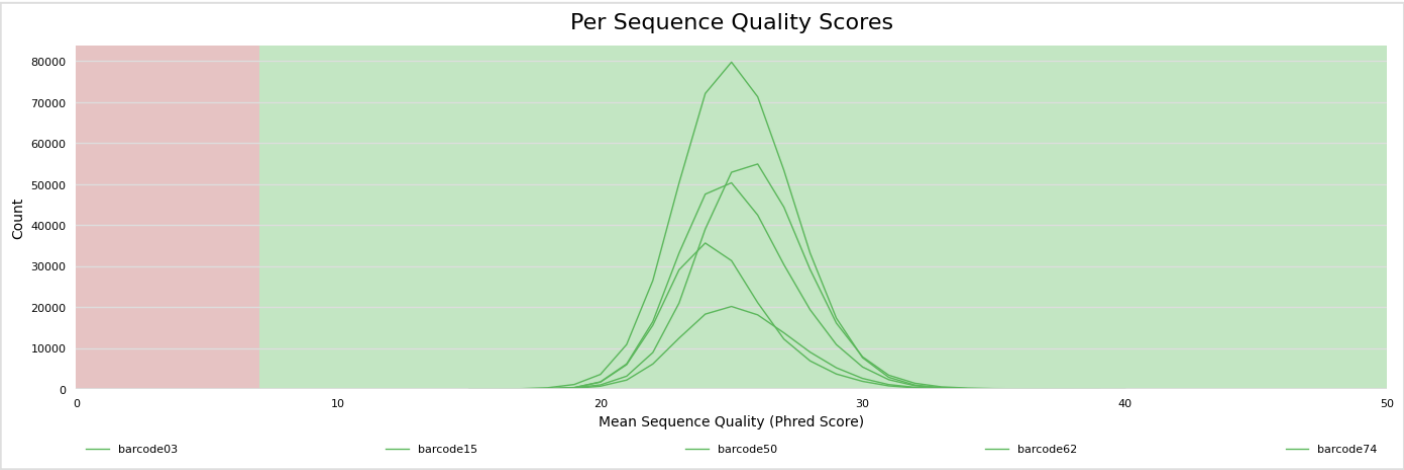
Sequence Quality Histograms

The mean quality value across each base position in the read.



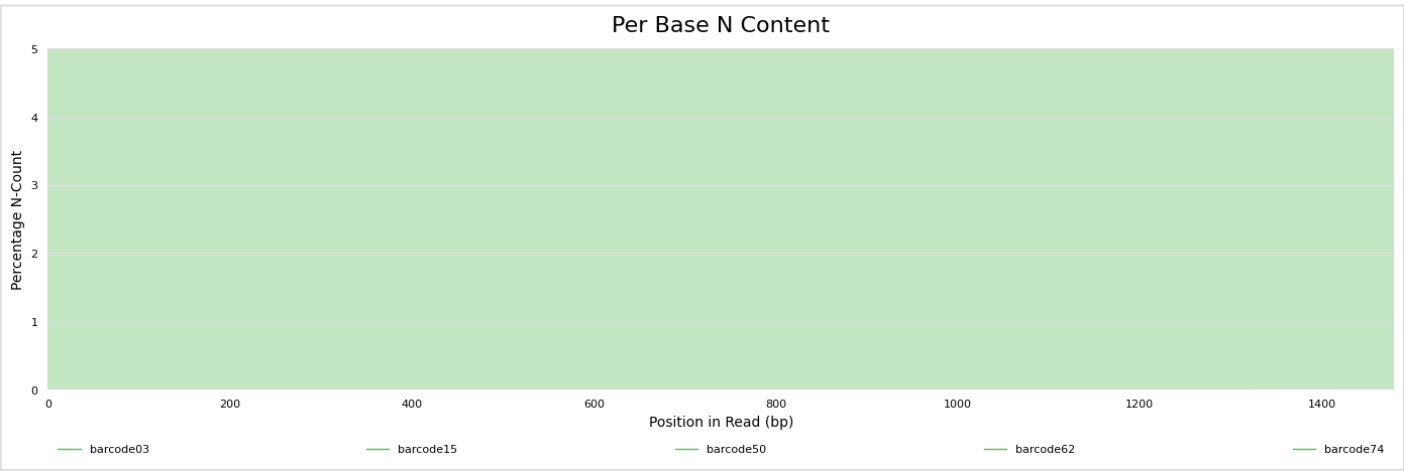
Per Sequence Quality Scores

The number of reads with average quality scores. Shows if a subset of reads has poor quality.



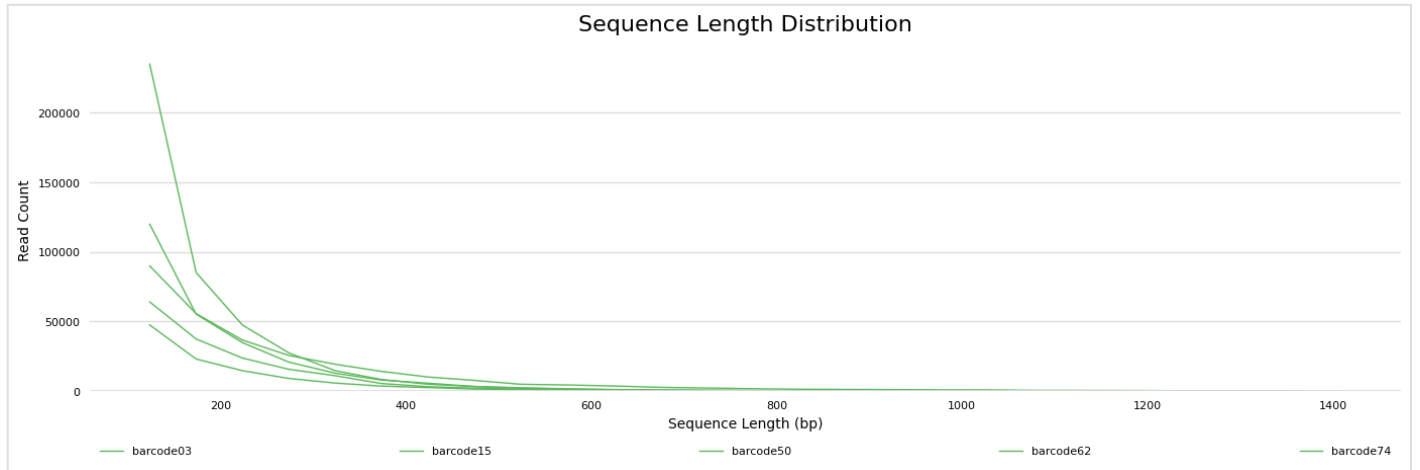
Per Base N Content

The percentage of base calls at each position for which an N was called.



Sequence Length Distribution

The distribution of fragment sizes (read lengths) found. See the FastQC help



Adapter Content

The cumulative percentage count of the proportion of your library which has seen each of the adapter sequences at each position.

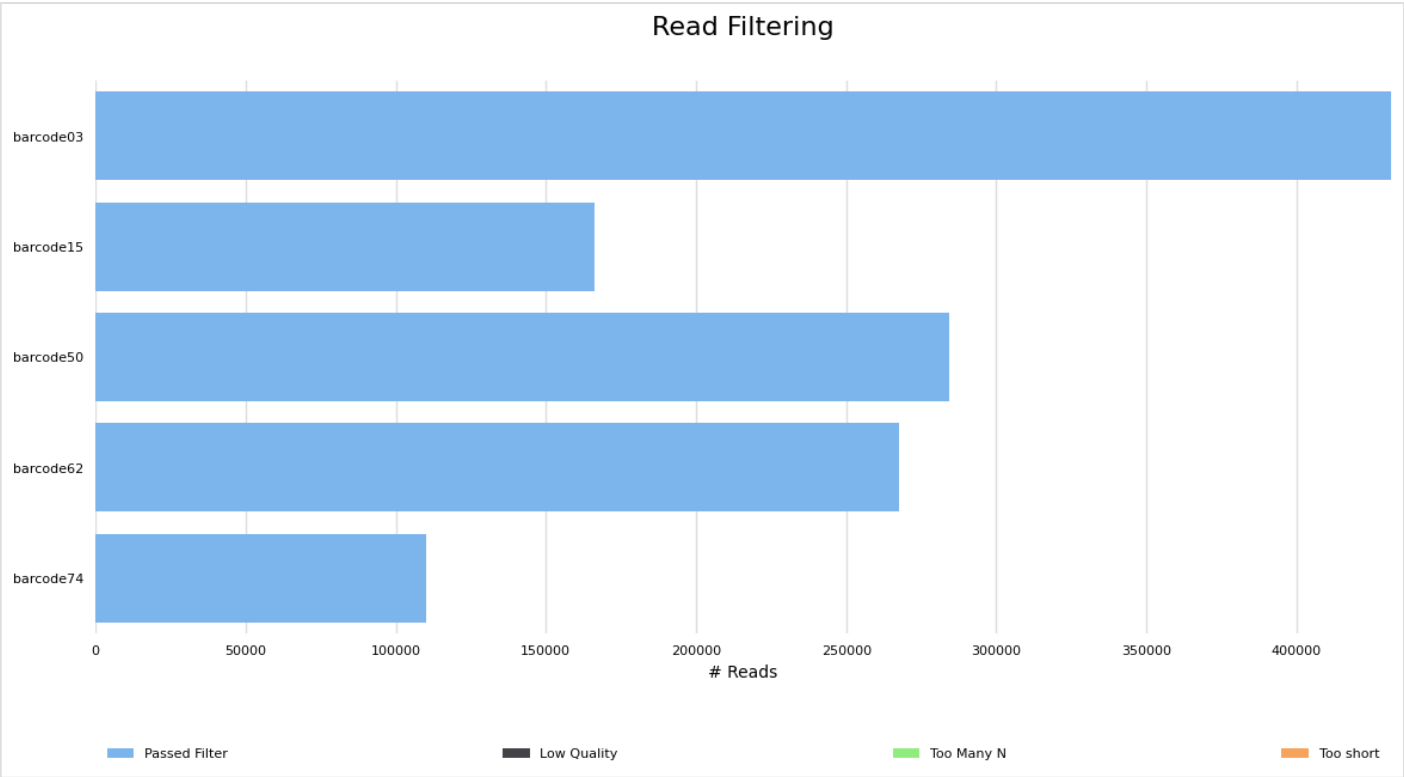
No samples found with any adapter contamination > 0.1%

Read Preprocessing

Read Preprocessing trims, filters and corrects reads before further processing. Thresholds for trimming and filtering are based on sequencing platform and experiment type. *DOI: 10.1093/bioinformatics/bty560.*

Filtered Reads

Filtering statistics of sampled reads.



Flowcell Quality Control

Flowcell Quality Control assesses the performance of the flowcell for a specific sequencing run. Reads from all barcodes on the sequencing run are aggregated if possible. DOI: [10.1093/bioinformatics/bty149](https://doi.org/10.1093/bioinformatics/bty149).

Seq summary stats

NanoStat statistics from albacore or guppy summary files.

Sample Name	Active channels	Median length	Read N50	Median Qual	# Reads (K)	Total Bases (Mb)
barcode03	497	241 bp	269 bp	16.6	1 025.9	270.2
barcode15	494	258 bp	294 bp	16.2	281.9	82.8
barcode50	494	312 bp	379 bp	16.6	460.6	167.2
barcode62	496	272 bp	306 bp	16.4	505.2	152.3
barcode74	493	282 bp	317 bp	16.5	199.5	62.0

Reads by quality

Read counts categorised by read quality (phred score).

