SARS-Cov-2 Run Report

03/26/2021

Run Summary

Type	Count
Total Samples	6
Assembly Passed	6
VADR Passed	3
Number of Pangolineages	5
Number of NextClade	4

Workflow Version

Pangolin: 2021-03-16, NextClade: 0.14.1

Failed Samples

Failure Type	Samples
Assembly QC	
VADR	SRR11953711, SRR11953924, SRR13433808

Consensus Metrics
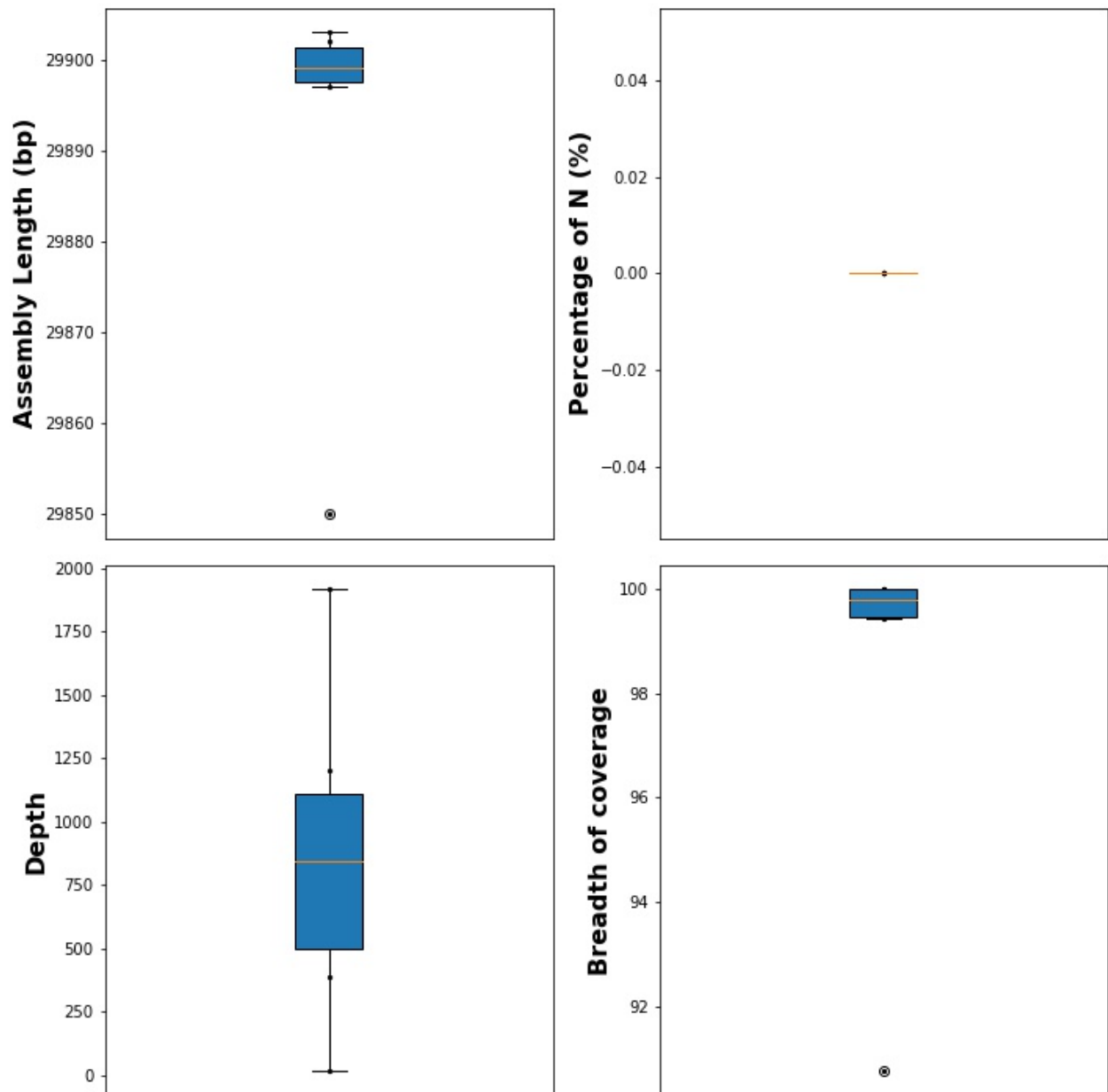
*Outlier Samples**

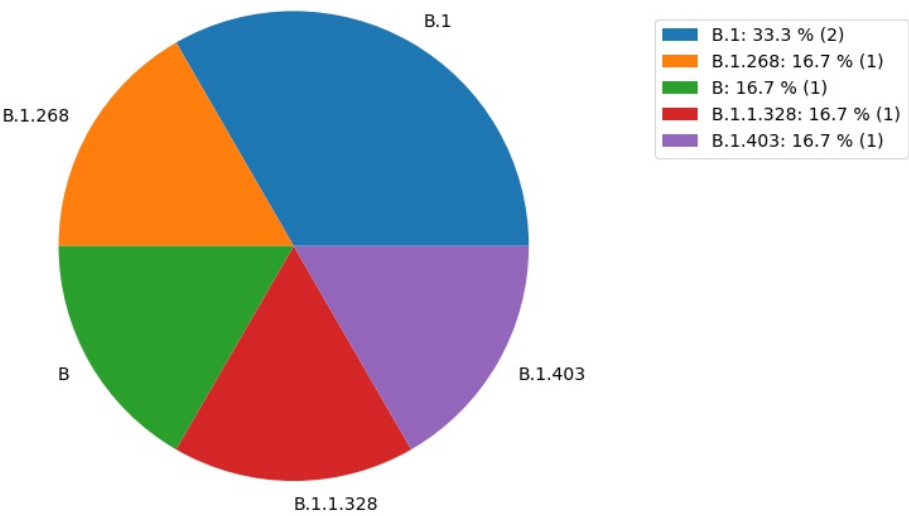Assembly Length (bp): SRR13433808 (29850)

Percentage of N (%): None

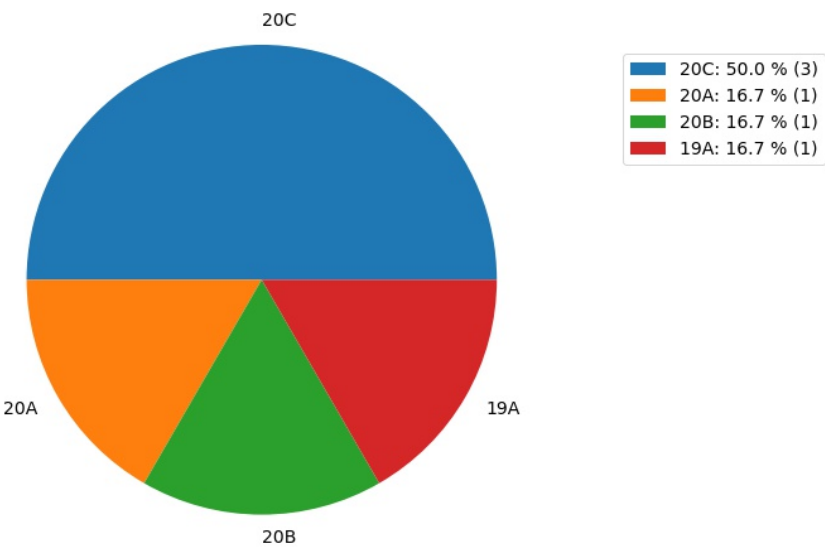Depth: None

Breadth of coverage: SRR13433808 (90.7568)

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*Outliers are calculated based on quartiles.

Lineage/Clade Distribution

Pangolin

Legend:
- B.1: 33.3 % (2)
- B.1.268: 16.7 % (1)
- B: 16.7 % (1)
- B.1.1.328: 16.7 % (1)
- B.1.403: 16.7 % (1)

NextClade

Legend:
- 20C: 50.0 % (3)
- 20A: 16.7 % (1)
- 20B: 16.7 % (1)
- 19A: 16.7 % (1)

Details for VADR failed samples

Sample	Pangolin	NextClade	VADR_Alrts	Variants	VADR_Info
SRR11953711	B.1.268	20C	LOW_SIMILARITY_END:	ORF1a:T265I;ORF1a:E1209D;ORF1b:P314L;ORF3a:Q57H;S:D614G|	nan
SRR11953924	B.1	20C	LOW_SIMILARITY_END:LOW_SIMILARITY_START:	N:Q229H;ORF1a:T265I;ORF1b:T237I;ORF1b:P314L;ORF3a:Q57H;S:D614G|	nan
SRR13433808	B	19A	CDS_HAS_STOP_CODON:INDEFINITE_ANNOTATION_END:LOW_SIMILARITY_END:PEPTIDE_TRANSLATION_PROBLEM:POSSIBLE_FRAMESHIFT_HIGH_CONF:UNEXPECTED_LENGTH:	ORF1b:E49D|	ORF1ab_polyprotein:212:21502;ORF1a_polyprotein:212:13430;nsp6:10919:11789;nsp6:10919:11789