**Supporting Information:**

**SFig 1: Standard curve for TigerSaliva RT-qPCR assay for N1 detection in synthetic controls.** The standard curve was plotted with standard deviations to determine the range of accurate detection using this primer/probe combination. The mean Ct values (n=4) obtained from serial dilutions were plotted against estimated quantify of synthetic RNA in 10µL of RT-qPCR reaction.
SFig 2: Analysis of Ct values using Welch’s ANOVA test. 2A: Comparison of all samples.
We observed a statistically significant difference between Delta and all other clades, including an 8-fold difference in viral load when compared to 20G. 2B: Comparison of only surveillance samples. The same difference in median Ct was observed between Delta and all other clades. Additionally, surveillance samples showed a statistical difference between Alpha and 20G.

*p.adj<0.05, **p.adj<0.01, ***p.adj<0.001, ****p.adj<0.0001

SFile 1: Accession numbers for sequenced samples uploaded to SCDHEC, GenBank, and GISAID.
SFile 2: Demographic Analysis.
SFile 3: Data accessibility for Figures 1 and 2.
SFile 4: Data accessibility for Figure 3.