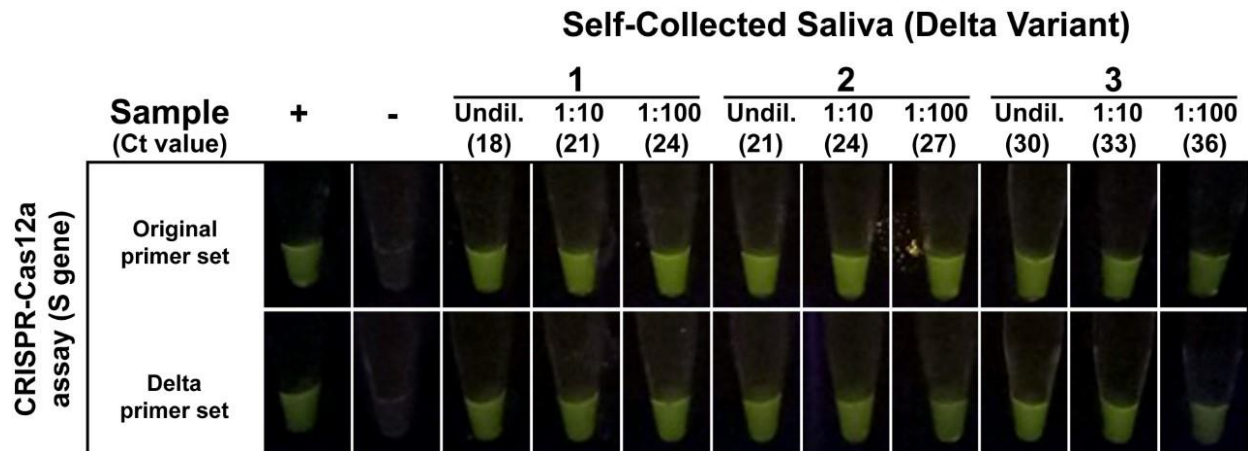


**Table S1** – The cost breakdown of the materials and reagents for self-saliva collection kit and CRISPR-Cas12a-based assay

Materials and reagents	Cost per sample (USD)
Saliva collection kit	\$1
RNA extraction	\$6
Reverse transcription	\$6
Recombinase polymerase amplification	\$5
CRISPR-Cas12a-based assay	\$1
Others (plastic ware + personnel)	\$1
<b>Total</b>	<b>\$20</b>



**Figure S1** – The results of CRISPR-Cas12a-based assay (original and Delta strain primer sets) tested with different dilutions of COVID-19 positive saliva samples are shown. The representative samples contain different Ct values based on qRT-PCR as 18, 21 and 30 for samples 1, 2 and 3, respectively. The 1:10 and 1:100 diluted samples were derived from 10-fold serial dilutions with DEPC-treated water. The estimated Ct values of all dilutions are shown in the parenthesis. (Undil. = undiluted)