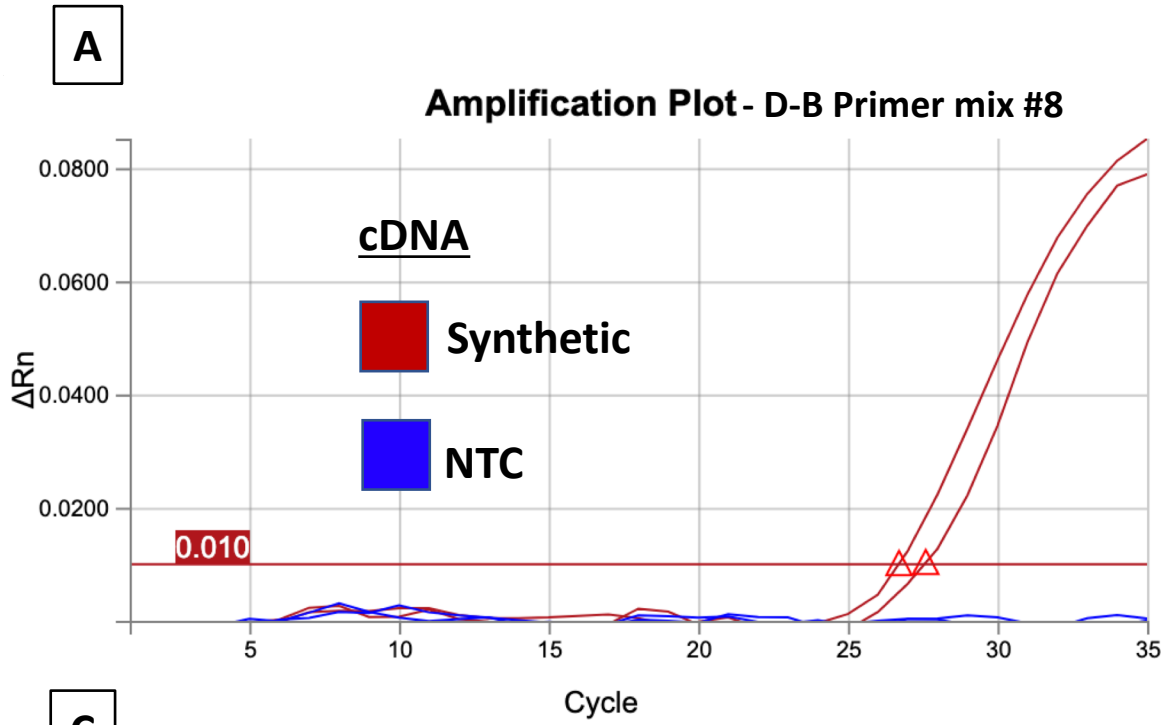
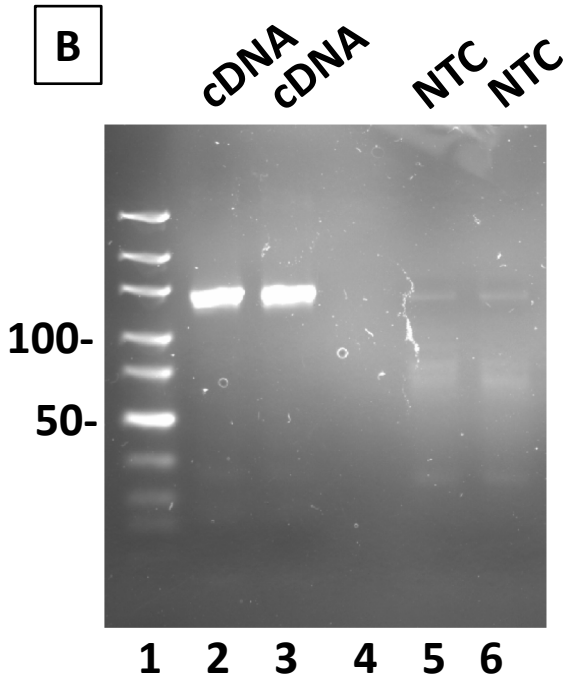
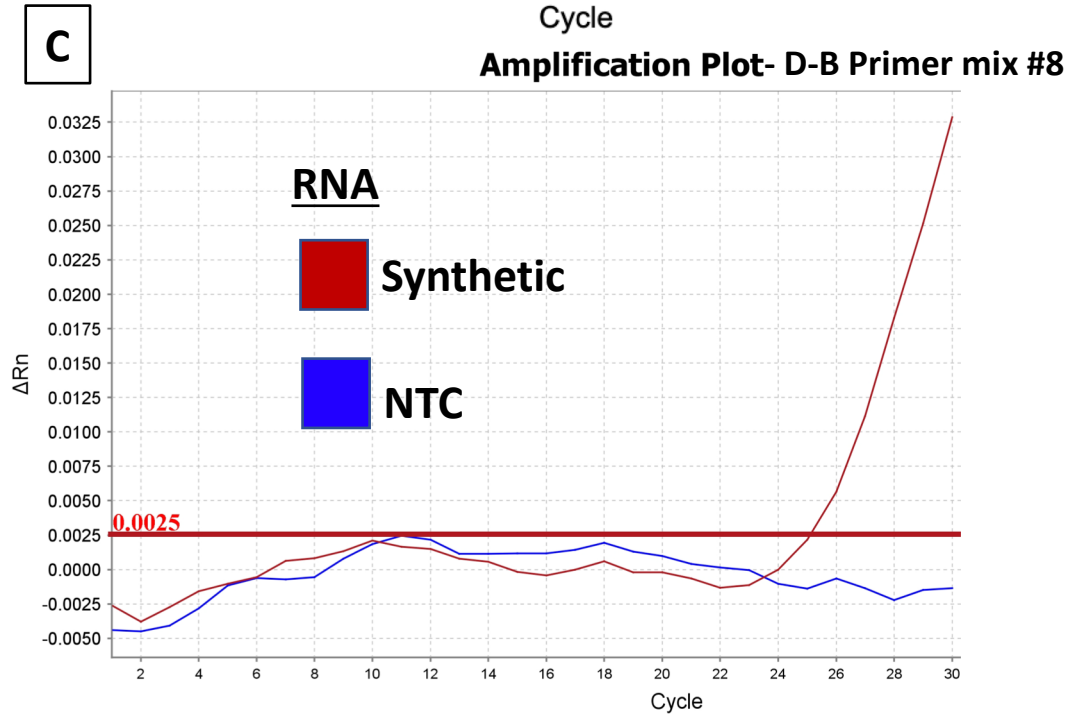
Fig S8


A
Amplification Plot - D-B Primer mix #8
cDNA
Synthetic
NTC
0.010
ΔRn
Cycle


B
cDNA
cDNA
NTC
NTC
100-
50-
1 2 3 4 5 6


C
Amplification Plot- D-B Primer mix #8
RNA
Synthetic
NTC
0.0025
ΔRn
Cycle

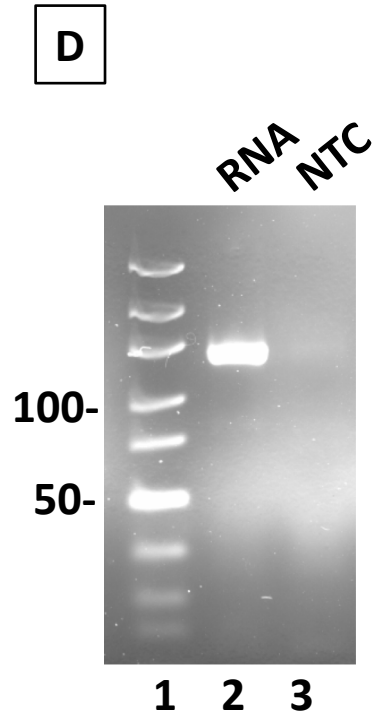

D
RNA
NTC
100-
50-
1 2 3

Figure S8

Using D-B primers with non-hot-start taq-polymerases for RT-qPCR under fast conditions. Upper panels: Real-time qPCR using D-B primers #8, non-hot-start taq-polymerase (NEB), cDNA from reverse-transcribed synthetic SARS-COV-2 RNA "N" as template, VIC-TqM-probe #12, and added ROX for internal calibration. Samples assayed in duplicates under fast conditions and 35x cycles. (A) amplification plot. (B) 5% agarose gel of PCR products, lane 1- ULR ladder, lanes 2, 3- cDNA from reverse-transcribed synthetic SARS-COV-2 RNA "N", lane 4- empty, lanes 5, 6- NTC. Lower panels: One-tube RT-qPCR using D-B primers #8, non-hot-start taq-polymerase (FroggaBio), iScript reverse-transcriptase (Bio-Rad) synthetic SARS-COV-2 RNA as template, VIC-TqM- probe #12, added 0.2 mM dNTPs, and added ROX dye for internal calibration. (C) amplification probe. (D) 5% agarose gel of PCR products, lane 1- ULR ladder, lane 2- synthetic SARS-COV-2 RNA template, lane 3- NTC. RT- qPCR was performed under fast conditions.