

## Supplementary Materials:

# Chimeric synthetic reference standards enable cross-validation of positive and negative controls in SARS-CoV-2 molecular tests.

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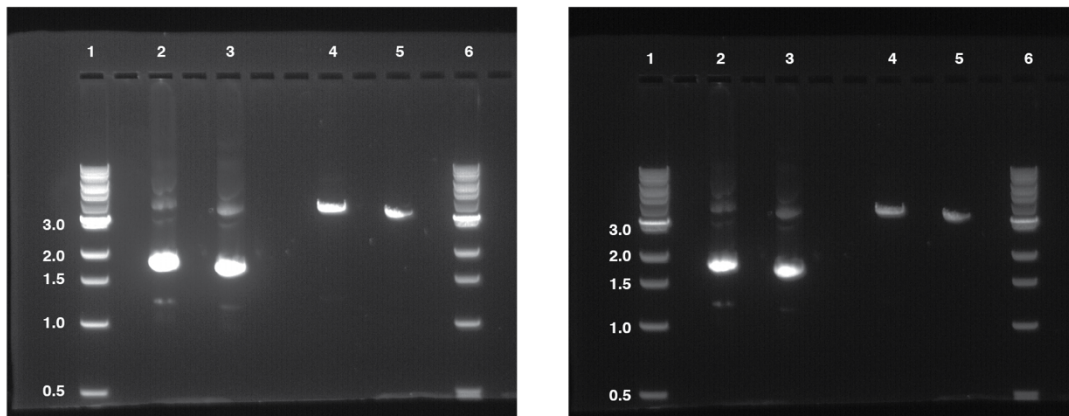
Supplementary Figure 1.

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## APPENDIX

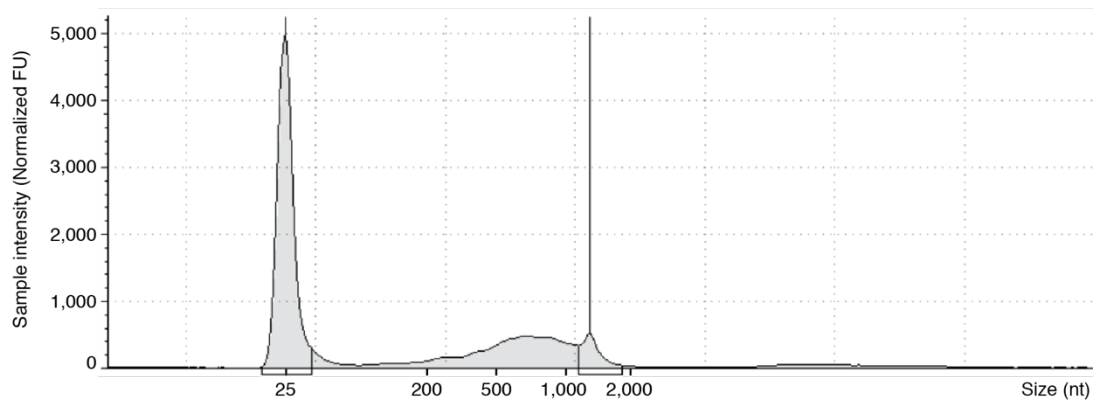
Supplementary Table 1 -WHO endorsed real-time RT-PCR prime/probe sets per country.

**(a)** Isolation of chimeric standards A and B plasmids and digestion with EcoRI (different exposures).

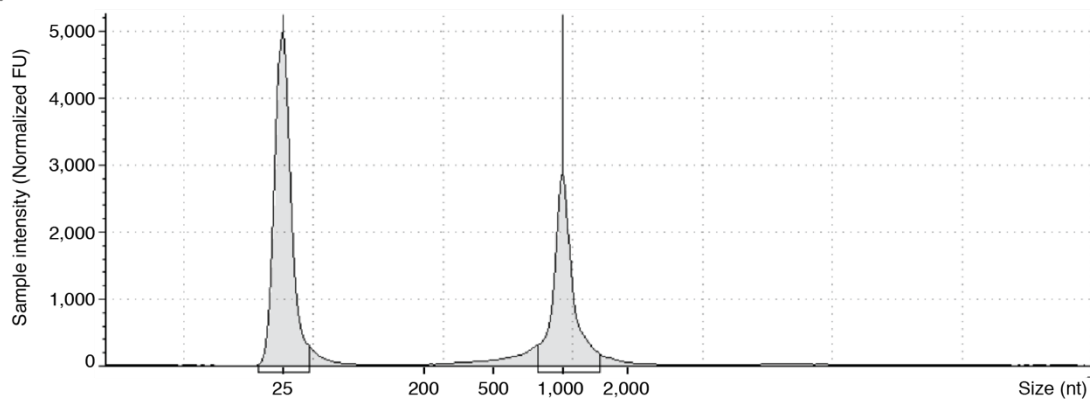


1- 1Kb ladder; 2- Standard A miniprep; 3- Standard B miniprep; 4- Standard A digestion; 5- Standard B digestion; 6- 1Kb ladder

**(b)** TapeStation quantification of *in vitro* transcribed RNA for chimeric standard A.



**(c)** TapeStation quantification of *in vitro* transcribed RNA for chimeric standard B.



**Supplementary Figure 1.** (a) Gel electrophoresis showing miniprep results for chimeric A/B standards and digestion with EcoRI restriction enzyme. Those are photos of the same gel at different exposures. (b) TapeStation results for the purified RNA product, resulting from the *in vitro* transcription of the linearized standard A. (c) TapeStation results for the purified RNA product, resulting from the *in vitro* transcription of the linearized standard B.