

RNA sequences of SARS-CoV-2 and related coronaviruses

Did you know that you can fit the whole RNA sequence of the coronavirus on a single side of a single sheet of A4 paper? Admittedly in quite a small font...but still, that's amazing, isn't it?

On the pages that follow are the sequences for:

- SARS-CoV-2.0 (specifically, Wuhan-Hu-1), one of the first virus samples isolated in Wuhan, China at the start of the pandemic;
- Simplified versions of the Alpha and Delta variants with just the defining mutations, with differences from SARS-CoV-2.0 highlighted;
- Closely related bat coronavirus RaTG13, with differences highlighted;
- And the sequence of SARS-1 (specifically, Tor2), the virus behind the SARS outbreak in 2003, again with differences highlighted - and, this time the differences are significant enough (most importantly, some letters are added compared to the SARS-2 genome) that a different version of SARS-CoV-2.0 is needed if you want to overlay them.
- Copies of 2.0, Alpha and Delta with the spike protein sequence highlighted.

For a full explanation, see my YouTube video at youtu.be/LlnJqMDWKAI

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