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Structure, Function, and Antigenicity of the SARS-CoV-2 Spike Glycoprotein

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For the reader to locate the line being clarified. Page/figure/table number, heading and paragraph number will be according to the PDF format of the paper.

Pg. 3. SARS-CoV-2 Recognizes hACE2 with Comparable Affinity to SARS-CoV, para. 2:
"To understand the contribution of receptor interaction to….used biolayer interferometry to study binding kinetics….immobilized at the surface of biosensors."
We did this by ----. We found that using xyz agent resulted in better immobilisation. Since --- has been observed before by XYZ et. al., we have found that this method works better for the given proteins.

Note by the author. Could be a clarification, observation, detail, explanation or simply a thought.

Fig. 2. - (B):
The protein preparation used to generate this plot was xyz. The shape of the curve though seemingly ---, is expected because of the nature of the ----.

Pg. 4. RESULTS, ACE2 Is an Entry Receptor for SARS-CoV-2, para. 2:
"To confirm these results, we evaluated…..rendered them susceptible to transduction with SARS-CoV-2 S-MLV (Figure 1B)."
We had also observed ----. This could mean that the transfection might induce ----, but it might also indicate that -----.

Pg. 5. Introduction, para. 6:
"The SARS-CoV-2 SB engages human ACE2 (hACE2) with comparable affinity to SARS-CoV…..high affinity to hACE2)."
Apart from the mentioned interactions, we also found two interactions of medium affinity between the SARS-CoV-2 SB and hACE2. We have not yet found sufficient evidence that they contribute to binding affinity. The images from PYMOL of these interactions are shown below.
<image>