Re: FW: New 2b spike sequence

From: Fang Li <lifang@umn.edu>
To: Baric, Ralph S <rbaric@email.unc.edu>
Sent: February 21, 2018 8:42:35 PM CST
Received: February 21, 2018 8:42:35 PM CST

Hi Ralph,

Thanks for the message. Because the RBD of this strain has a lysine at the 479 position, it may have low affinity for human ACE2 and so the virus may not infect human cells efficiently (it may infect palm civet cells). Do you know the bat species that the virus was isolated from?

By the way, I would like to submit the protease manuscript this weekend or early next week. Do you have comments on the manuscript?

Best,
Fang

On Tue, Feb 20, 2018 at 2:17 PM, Baric, Ralph S <rbaric@email.unc.edu> wrote:

> Hi Fang, Nice talking with you last week. The SARS Uganda Spike sequence below. Let me know what you think. ralph

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From: Anthony, Simon J. [mailto:sja2127@cumc.columbia.edu]
Sent: Monday, February 13, 2017 5:07 PM
To: Baric, Ralph S <rbaric@email.unc.edu>; Menachery, Vineet D <vineet@email.unc.edu>; Yount, Boyd L Jr <byount@email.unc.edu>
Cc: Jonna Mazet <jkmazet@ucdavis.edu>; Tracey Goldstein <tgoldstein@ucdavis.edu>; Kirsten Gilardi <kvgilardi@ucdavis.edu>
Subject: New 2b spike sequence

Dear Ralph -

Thanks again for the call today. Per our discussion, here is a new spike sequence for you to evaluate. I think you'll like this one as it is SARS-like. :o)

As with the MERS-like virus, this was also found in a bat from Uganda. I am therefore Cc-ing Kirsten Gilardi as she leads all field activities there for UC Davis and was responsible for the collection of these samples.

>PDF-2386/SARS-like/Uganda

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ATAA

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