

To: "Liu, Shan-Lu" <liu.6244@osu.edu>, "Weiss, Susan" <weissr@pennmedicine.upenn.edu>
Subject: Re: [External] Re: Your article proofs for review (ID# TEMI 1733440)

I have noticed that too, probably happened when we tried to simplify the chimeric virus paragraph, and I think Ralph had added the attenuation sentence relative to M15 in mice...

What was reported in the NM paper was that the SHC014-rMA15 chimeric virus was less pathogenic than M15, but more so than the chimeric M15 virus with the original Urbani Spike-gene in M15, probably due to one of the 6 mutations in the M15 S gene.

See old sentence:

Due to the elevated pathogenic activity of the SHC014-MA15 chimeric virus relative to the original human Urbani S-MA15 chimeric virus in mice, such experiments with SHC014- MA15 chimeric virus are considered as gain of function (GOF) studies...

I will try to fix this.

Thanks,

-Lishan

From: "Liu, Shan-Lu" <liu.6244@osu.edu>
Date: Friday, February 21, 2020 at 12:14 PM
To: "Weiss, Susan" <weissr@pennmedicine.upenn.edu>
Cc: "Su, Lishan" <lishan_su@med.unc.edu>
Subject: Re: [External] Re: Your article proofs for review (ID# TEMI 1733440)

Lishan: see below comments from Susan.

Susan: thank you. I had the same question before – Lishan, could you explain this?

Shan-Lu

From: "Weiss, Susan" <weissr@pennmedicine.upenn.edu>
Date: Friday, February 21, 2020 at 9:06 AM
To: Shan-Lu Liu <liu.6244@osu.edu>
Subject: Re: [External] Re: Your article proofs for review (ID# TEMI 1733440)

Please list me as Susan R Weiss (with the "R"). there are too many other Susan Weiss'

I noticed what looks like a contradictory statement in the paper- sorry I missed it before- I

highlighted in yellow lines 124-133. The first part says chimeric virus is attenuated producing less antigen than MA15 but the next part says it has elevated activity- this seems contradictory

I remain concerned about the insertion of the furin site

Susan

From: "Liu, Shan-Lu" <liu.6244@osu.edu>
Date: Friday, February 21, 2020 at 10:05 AM
To: "Su, Lishan" <lishan_su@med.unc.edu>, "Saif, Linda" <saif.2@osu.edu>, "Weiss, Susan" <weissr@penncmedicine.upenn.edu>
Subject: [External] Re: Your article proofs for review (ID# TEMI 1733440)

We agreed to add this link to the proof to the third paragraph regarding RaTG13.

The Proximal Origin of SARS-CoV-2
<http://virological.org/t/the-proximal-origin-of-sars-cov-2/398>



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From: Shan-Lu Liu <liu.6244@osu.edu>
Date: Friday, February 21, 2020 at 4:46 AM
To: "Su, Lishan" <lishan_su@med.unc.edu>, "Saif, Linda" <saif.2@osu.edu>, Susan Weiss <weissr@penncmedicine.upenn.edu>
Subject: FW: Your article proofs for review (ID# TEMI 1733440)

All,

See message below and also the attached proof.