Dear Dr. Lueckgen,

We appreciate the editorial requests on our manuscript ***NCOMMS-22-11326***. We have revised our manuscript to address all the requests. Below are the point-by-point responses:

*We are attaching a marked-up version of your article file. The editor has made some very minor textual changes to this file - please check these carefully.*

***Response****:* Thanks for the formatting check. We have revised the format of links also the format for correspondence email in the updated manuscript.

*Please submit a marked-up version of your manuscript file in Word format, clearly indicating the changes that have been implemented in response to the editor’s requests.*

***Response:*** Thanks for pointing this out. We have marked all changes in response to the editor’s requests by track changes in the updated manuscript.

*Please ensure if you have missed adding legend for Supplementary Dataset 1 and 2.*

***Response:*** Thanks for the suggestion. We’ve added the legend descriptions for Supplementary Dataset 1 and 2 on the submission website.

Thanks a lot for working with us on this manuscript, and hope to hear back from you soon.

Sincerely,



Qing Nie

Chancellor’s Professor of Mathematics and Developmental & Cell Biology