Dear Dr. Lueckgen,

We have revised our manuscript to address the additional editorial requests for our manuscript ***NCOMMS-22-11326***. 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****:* Thank you for the careful formatting check. We have revised the format of links as well as the format for the 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:*** We have uploaded a Word file with track changes indicating the changes made in response to the editor’s requests.

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

***Response:*** We have added the legend descriptions for Supplementary Dataset 1 and 2 on the submission website.

We are very appreciative of your work 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