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January 16, 2018

Dear Arup Chakraborty, Reviewing Editor, and Reviewers:

Thank you for the careful and fair review of our *eLife* submission, "Extreme heterogeneity of influenza virus infection in single cells."

We were happy to have the article receive mostly favorable reviews, and have prepared a revision that addresses all of the reviewer comments.

These comments were exceptionally thorough and relevant, and so the resulting revisions have further strengthened the paper. We have added several new pieces of data from additional experiments or analyses, and include these data as new figure supplements. We have also clarified and expanded portions of the text where the reviewers found ambiguities.

Along with the revised manuscript, we have included a detailed point-by-point response to the reviewer comments that describes our revisions. We have also included a version of the manuscript that has the changes tracked relative to the original submission.

Finally, note that in the Methods, we reference to a GitHub repository that includes all the code. We plan to make this repository public as soon as the manuscript is accepted, and hope that it might be forked to the *eLife* GitHub page at that time as well.

Thanks for your time and consideration.

Sincerely,

Jesse D. Bloom, Ph.D.