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September 1, 2016

Dear Editor,

Thank you for the rapid, thorough and fair review of our manuscript (#55033\_R1\_061716) "MicroRNA-Based Regulation of Picornavirus Tropism." We are pleased at the positive response of the reviewers. We have addressed all of their concerns as detailed in our "Response to Reviewers" document. A summary of the main additions to the revision are described below.

The major concerns of the reviewers were in regards to the discussion section and the request to include additional information concerning the choosing and rational design of the response elements to be tested. To address all of these concerns we included additional information and citations discussing the roles of microRNA abundance, genetic stability, RNAi modulation by the cell and virus, and multiple microRNAs recognizing a single target on the success of this targeting technique. These new discussion points emphasize the importance of these factors and provide insight into online tools that can aid in the design of response elements and minimize the amount of trial and error needed to achieve significant targeting.

All other reviewer comments were considered minor and we have addressed each of these editorial and technical comments accordingly. We believe the modifications have significantly improved the manuscript and we hope you agree that the manuscript is now suitable for publication in the *Journal of Visualized Experiments*. Please let me know if any other changes are needed.

Sincerely,



Autumn J. Ruiz, Ph.D.