Brasília, October 8, 2018.

To

Vineeta Bajaj, Ph.D.

Editor, JoVE

Ref. JoVE57985R4

Dear Editor:

Please, find the new version of the JoVE57985R4 uploaded manuscript and the new high definition video downloaded at the Journal website and, thus addressing to each of the Editorial comments.

**Answers to the Editorial Comments:**

1. Presently, the video is 14’:13”.
2. 5’:23’’-5’:29’’. The video cut backs are corrected in the best of our skills.
3. 5’:30’’-5:33”, 11:09-11:17. The pacing of the actions is slowed down.
4. 10’:20”. The jump cuts are smoothed out with crossfades.

Frame size proportion issues

1. 5:23-5:33, 8:12, 10:00-10-30, 5:11-5:53, 6:04-6:37, 6:48-7-54, 8:00;8-31. The video clips are enlarged and now fill in the frame.

Audio issues

11’:13”. The entire narration with new images and audio replaces the previous version bad sounds all through the video.

Other video issues

DNA extraction and PCR analysis. The imperative tense is used throughout the narration and the research protocol step used (E.g. 5:29) wherever necessary.

Legends.

At 0:35, 4:39, 8:20 please, find corrections of the misspellings (d**e**sease by disease; Tce by Tcz1/2; and, Sheme by S**c**heme.

Southern hybridization section

The imperative tense used throughout the protocol as done in the text protocol.

6:13. The writings style now follows the examples as per the Editor’s letter.

The imperative tense is used in the Immunofluorescence section in order to shortening the video.

9:52. The Biotek mark is eliminated, as suggested.

The discussion section is short enough to keep the video at the time limit.

A ALA is signed for open access.

Table 1 xlsx is uploaded in the 57985R4 submission file.

1. The extensive rewriting of the protocol critical sections 1 to 10 secured style in the video and in the manuscript.

A high definition new version of the JoVE57985R$ video downloads at the Jove’s website.

Thanks so much to the Jove’s Editors team.

Sincerely,

Antonio Teixeira

Corresponding author.