***Response to comments***

**Manuscript # JoVE58971**

**“Assessing Stem Cell DNA Integrity for Cardiac Cell Therapy”**

**Editorial comments:**  
**Comment:** When text is formatted per JoVE guidelines (12 pt Calibri font, all text at the left margin, spaces between numbered steps/substeps; see attached manuscript), the highlighted protocol is ~6.5 pages; our limit (for filming and video length purposes) is 2.75 pages. Please consolidate shorter substeps and otherwise reduce the highlighted portion of the protocol.

**Response:** The highlighted protocol is now corrected to 2.75 pages.

**Comment:** Please remove ‘Figure 1/2/etc’ from the Figures themselves.

**Response:** Figure 1/2/etc’ were removed from the Figures

**Comment:** Please number the Figures in the order they appear in the text; currently; Figures 5 and 6 appear before Figures 2-4.

**Response:**

Line 80 - Figure 1

Line 124 - Figure 2

Line 125 - Figure 3

Line 171 - Figure 4

Line 181 - Figure 5

Line 204 - Figure 6

These are the orders figures appear initially. After line 204, figures are cross referenced.

**Comment:** Figures 3 and 4: What statistical test was used to produce these P-values?

**Response:** Student’s unpaired Two-tailed t test was used in all cases. Figure 4: t-test was performed between samples as indicated in the figure.

**Comment:** Figure 3C: Unless some points are overlapping, the presented S.D. for the Doxo group looks rather small.

**Response:** Thanks for pointing out this typo error. It is SEM, not S.D.

**Comment:** Please consolidate the 2 parts of Figure 5 into one Figure.

**Response:** 2 parts of Figure 5 are now consolidated into one page. After consolidating into a one page figure, the authors feel the images are too small to read.