

## Response to the Reviewer and Science Editor

### Reviewer #1

1. Page 6, Material and methods, Animals: specify the number of males and females.

**Response:** The paper was revised to include such information.

2. Page 7: write CO<sub>2</sub> instead CO2.

**Response:** The paper was revised to make such correction.

3. Page 7, Milk curd adiponectin content: use the number of g instead of rpm / 60 min to give the speed of the centrifuge.

**Response:** The paper was revised to include such information.

4. Page 10: "Adiponectin is an adipokine primarily secreted by adipose tissue that has a myriad of important physiological modulatory roles": the word "myriad" strikes me as a bit strong in the context.

**Response:** The paper was revised to omit the word "myriad" from the text.

5. Figure 1: assign a number to the cited reference in order to find it in the bibliographic list ([5], I suppose)

**Response:** The legend was revised to include the reference.

6. Figure 2, upper part: add a scale bar on the pictures.

**Response:** The figure was revised to include the scale bar on the pictures.

### Science editor

1. A total of 29 references are cited, including 3 references published in the last 3 years; (5) Self-cited references: There are 5 self-cited references. The self-referencing rates should be less than 10%. Please keep the reasonable self-citations that are closely related to the topic of the manuscript, and remove other improper self-citations.

**Response:** 2 self references were removed, leaving a total of 3 (10%)

2. The title is too long, and it should be no more than 18 words;

**Response:** There must have been a misunderstanding. The title contains only 12 words.

3. The authors did not provide the approved grant application form(s). Please upload the approved grant application form(s) or funding agency copy of any approval document(s)

**Response:** The approval document is being uploaded

4. The authors did not provide original pictures. Please provide the original figure documents. Please prepare and arrange the figures using PowerPoint to ensure that all graphs or arrows or text portions can be reprocessed by the editor;

**Response:** The powerpoint with original figures is being uploaded.

5. PMID and DOI numbers are missing in the reference list. Please provide the PubMed numbers and DOI citation numbers to the reference list and list all authors of the references.

**Response:** The PMID and DOI are now provided for all but 1 paper (reference 27) since that one does not seem to have a DOI, but only a PMID number

6. The “Article Highlights” section is missing. Please add the “Article Highlights” section at the end of the main text.

**Response:** This is now added to the manuscript