

We would like to thank the reviewers for the insightful suggestions to our review paper.

Reviewer Comments:

I have some comments about this. 1. The title seems a little confused. I would like to see "Understanding the Metabolic Dysregulation of glucose in Muscle in diabetes"

We agree that the title was a little bit confusing and have changed the title to better reflect the topic of the review paper. The new title is now "Culprits or Consequences: Understanding the Dysregulation of Muscle Metabolism in Diabetes." It was unclear if the reviewer liked or disliked the "culprits or consequences" portion of the title but we give the editor discretion to remove that part of the title if the editor and/or reviewer wish to do so.

2. The subtitles is not clear. Sometime use molecular and sometime use a very different way like "excise", It's better to put them in a logical way.

We agree that there was a disconnect within the labels of our subtitles and have altered some of them to better fit the overall flow of the paper. We changed subtitle 2.1 from AKT/PKB to "2.1 *Upstream Glucose Related Substrates*" and removed the subtitle 4.1 mTORC2 from the paper.

Editor Comments:

3. Academic norms and rules: The Conflict of interest disclosure form, the signed informed consent form, the biostatistics review certificate, the institutional review board approval form are not provided.

A conflict-of-interest statement has been added to the title page of the paper. I could not find a form but submitted a conflict of interest statement as a form as well.

Conflict of Interest Statement: The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

5. Issues Raised: (1) The "Author Contributions section is missing. Please provide the author contributions;

The Author Contributions section has been added to the title page of the paper.

Author Contributions: Colleen L O'Reilly wrote the majority of the review; Selina Uranga contributed to the writing, designed and produced the figures; James D Fluckey contributed to the writing and edited the manuscript.

(2) The authors did not provide original pictures. Please provide the original figure files. Please prepare and arrange the figures using Powerpoint to ensure that all graphs or arrows or text portions can be reprocessed by the editor.

The authors have provided the original picture files as well as the figures arranged in a powerpoint.