Author’s response to reviews

Title: CRISPR-Cas9-mediated knockout of SPRY2 in human hepatocytes leads to increased glucose uptake and lipid droplet accumulation

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Version: 2 Date: 04 Oct 2019

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Revisions required for publication

Editor comments:

You will see that two of the three Reviewers are happy with the revised manuscript. The third reviewer notes that validation of observations are required. At this point, I am happy for the authors to make direct reference for the need to repeat experiment on SPRY2 overexpression and validate the results of RNA-Seq analysis by RT-qPCR experiments within the text. Once this has been completed, the paper should become acceptable for publication.

Author response:

We thank the Editor for allowing us to address the Reviewer’s concerns by direct reference in the text.

We have therefore added the following text to the Discussion section:
1. Page 15, lines 361-362:

…although these observations require validation in future studies.

2. Page 16, lines 369-370:

Ideally, the SPRY2 OE experiments would be repeated to further characterise the resultant phenotypes in HepG2 cells.