Author’s response to reviews

Title: A novel compound heterozygous variant identified in GLDC gene in a Chinese family with non-ketotic hyperglycinemia

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Author’s response to reviews:

Dear Dr. Menard,

Thank you for arranging a timely review for our manuscript entitled “A novel compound heterozygous variant identified in GLDC gene in a Chinese family with non-ketotic hyperglycinemia” (ID: MGTC-D-17-00190R3). Thank you for your positive and constructive comments and suggestions. We have revised the manuscript, according to your comments and suggestions, and responded, point by point, to the comments as listed below.

To Editor Comments:

1. Please include the email addresses of all authors on the title page.

Answer: We have added the email addresses of all authors on the title page (Page 1, Lines 7-8).

2. Please clarify where the controls were from. Was their data collected for the purposes of this study? If so, please clarify whether their consented to be part of this study in the Methods and
Ethics approval and consent to participate sections. If their data was already collected please clarify if this is publicly available and provide any accession numbers, if not publicly available where was the data sourced from?

Answer: Thank you for raising this important issue. For this study, a total of 100 healthy newborns with normal results of neonatal disease screening by tandem mass spectrometry from our center were recruited as controls, these control groups with normal phenotype and have no family history of inherited metabolic diseases including non-ketotic hyperglycinemia, therefore are suitable for use as controls, we have added this information in the Method section (Page 4, Lines 10-13). The parents of all controls provided the permission to publish the genetic data obtained from the studies performed on their blood samples, and we have clarified this in the Methods and Ethics approval and consent to participate sections in the revised manuscript (Page 4, Lines 14-17; Page 11, Lines 12-15).

3. In the Ethics approval and consent to participate section, please clarify whether the parents consented to take part in this study, as well as consenting for their children to take part.

Answer: We have clarified this in the Ethics approval and consent to participate section (Page 11, Lines 12-15).

4. At this stage, please upload your manuscript as a single, final, clean version that does not contain any tracked changes, comments, highlights, strikethroughs or text in different colours. All relevant tables/figures/additional files should also be clean versions. Figures (and additional files) should remain uploaded as separate files.

Answer: Thank you very much for your kind instruction. We will upload the revised manuscript and related attachments according to your comments.

We have tried our best to improve the manuscript and made some changes in the manuscript. We hope that the corrections will meet with approval. Once again, thank you very much for your comments and suggestions.
Best regards.

Yours sincerely,

Qingliu Fu