

Dear Experts:

Thank you for your letter and for the reviewers' comments concerning our manuscript entitled **“Anti-Type II Diabetic Effects of Coix Seed Prolamin Hydrolysates: Physiological and Transcriptomic Analyses”** (ID: foods-3052369). Those comments are all valuable and very helpful for revising and improving our paper, as well as the important guiding significance to our researches. We have studied comments carefully and have made correction which we hope meet with approval.

Improved portion are marked in red in the revised manuscripts. Because the most current version has added some words, this caused the line numbers has been changed. The main corrections in the paper and the responds to the editor's and review's comments are in following next page. Expect the editor to allow the request.

If you require any additional information regarding our manuscript, please do not hesitate to contact us directly via the resources below. Thank you for your time and consideration.

Thank you and best regards.

Sincerely,

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Responds to the reviewer's comments:

- **Comment 1: 1. Table 1: during the text, it must be reflected that there are no significant differences in liver, pancreas and cardiac indices.**

Answer: Thank you for your comments. We have added this section as you suggested, please refer to lines 250-252 and 258-260 of the manuscript for details of the changes, which have been highlighted in red font.

- **Comment 2: I do not understand why the authors say that they cannot make the CRI, CRII and AIP indices if they have the individual values of TC, HDL, LDL and TG.**

Answer: Thank you for your comments. We have added the Atherogenic Index of Atherogenic Index of Plasma (AIP), Castelli's Risk Index I (CRI-I) and Castelli's Risk Index II (CRI-II). For results of the presentation of the data, see Figure 3G H and I. In addition, we supplemented the manuscript with calculations of AIP, CRI-I, and CRI-II and analyzed the data results. Please see lines 159-161, 316-320, and 543-545 of the manuscript, respectively. We have marked the changes in red.

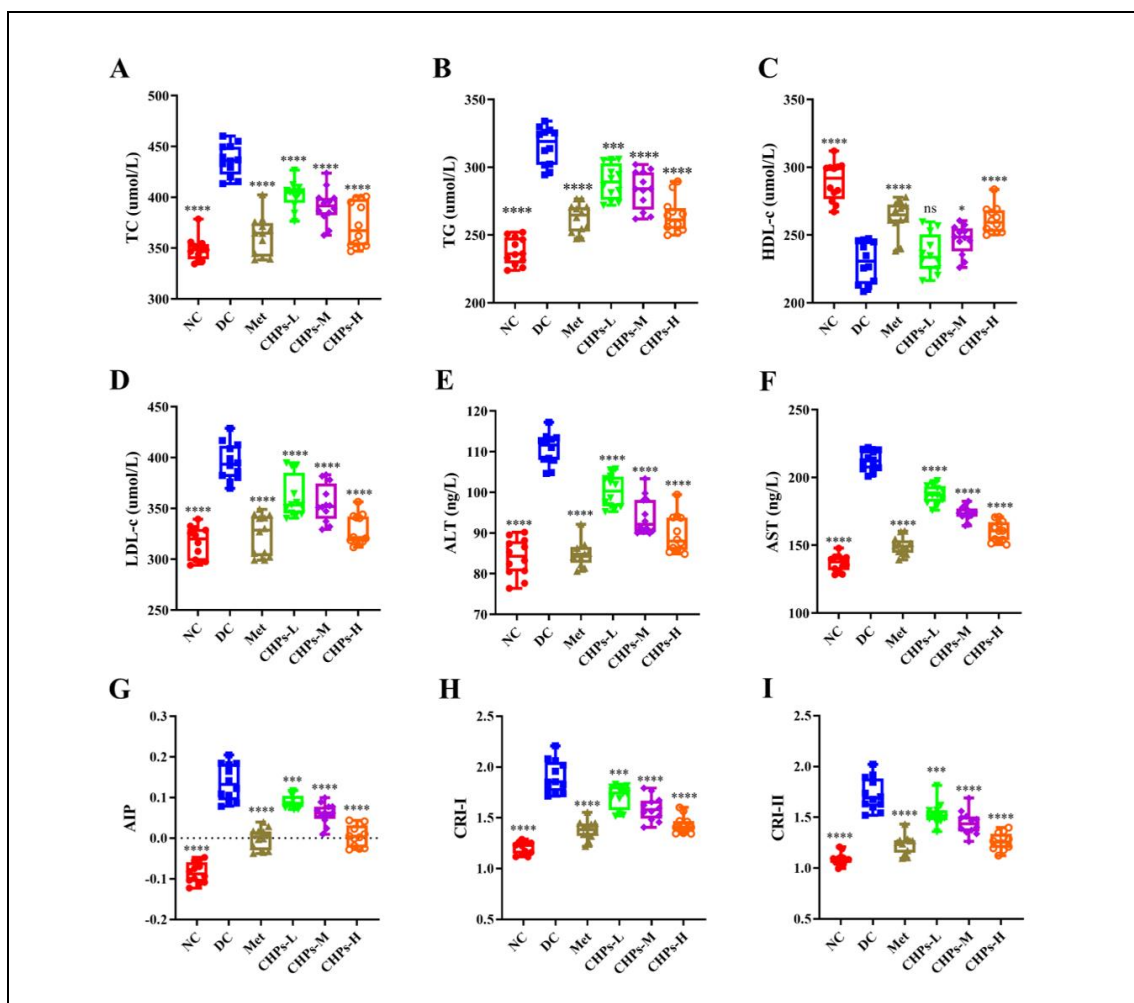


Figure 3. The effects of CHPs on lipid levels and liver function index of serum in T2DM mice (n=12). (A) TC, (B) TG, (C) HDL-c, (D) LDL-c, (E) ALT, (F) AST, (G) AIP, (H) CRI-I, (I) CRI-II. The data were presented as means $\pm$ S.D, which were analyzed by ANOVA test, followed by Tukey's test between multiple groups. * indicates significant difference compared with the DC groups, $*p < 0.05$, $**p < 0.01$, $***p < 0.001$, $****p < 0.0001$

➤ **Comment 3: Figure 4: indicate in the legend what the red arrow points to.**

Answer: Thank you for your comments. We've explained what the red arrows in the diagram (Figure 4) point to. The additions are visible in lines 356-357 of the manuscript and have been marked in red font.