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Dr Jin-Xin Kong  
Science Editor  
World Journal of Diabetes  
**BAISHIDENG PUBLISHING GROUP**

**Dear Dr Kong,**

**Re: ESPS Manuscript NO: 21046**

Thanks for reviewing the above article, attaching reviewers' positive and constructive comments and providing the opportunity to revise it. In addition to point-by-point responses to two reviewers' comments (attached), we have made numerous revisions (highlighted in red) to enhance the clarity and readability of the paper.

Thanks also for providing the option to submit to another journal. However, I am happy to do my part to support your brand.

Now we believe the quality of the paper has been substantially improved. Thus, your favourable consideration to publish it is highly appreciated.

Kind regards

Fang-Xu Jiang

Cc: Point-by-point response  
Revised manuscript with changes highlighted  
Copyright transfer form  
Audio core tip

**Reviewer 1:**

*“The review article entitled "Insulin-secreting beta cells require a post-genomic concept by Jiang et al. is clearly written. Overall, this review article is excellent and includes topical and interesting contents. I noted only a few minor issues. 1. Based on clinical aspect(or concern), it may be interesting if the brief description for the association between incretin as GLP-1 and PDX-1 or NGN3 is added. 2. In "Embryology" section, it may be kind if the brief explanation for the physiological roles of glucagon, somatostatin, PP and ghrelin is added.”*

Thanks for the positive comments and suggestions for minor revisions. As this review is focused on the insulin-secreting  $\beta$  cells, their physiology and nomenclature, but not on any aspect in clinics, we thus decided not to add the data on incretin such as Glp1 on Pdx1 and Ngn3 in the revised manuscript. If done so, the additional data were not, we believe, cohesive with the context of the rest of the manuscript.

Instead of adding the physiological roles of a variety of islet hormones in the Embryology section, we have provided these data in the section of insulin-secreting  $\beta$  cells at p11 of the revised manuscript.

**Reviewer 2:**

*“In the legend of Figure 2, explanations of ILV, TBZ are lacking. TBZ should be tetrabenzine from the context, however ILV is not mentioned in the text. ILV should be an inducer indolactam and should be explained as such. In Figure 4., the color of Glut is inappropriate and the words are difficult to read. It is better to be replaced with darker color.”*

The full names of ILV and TBZ have been added in both text (p9 and p10 respectively) and Fig 2 legend (p27). The colour of Glut2 in Fig. 3 has been changed and enhanced, now it is easy to read the Fig. 3 at p31.