



March 26, 2013

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 2468-review.doc).

Title: Polydatin attenuated food allergy via store-operated calcium channels in mast cell.

Original article

Author: Bo Yang, Jianjie Li, Jijuan Cao, Chengbin Yang, Jie Liu, Zhigang Liu

Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 2468

The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated.

2 Revision has been made according to the suggestions of the reviewer.

1) Please provide immunohistochemical staining of gut for IL4 and RT-PCR data to substantiate your ELISA data.

--Response: IL-4 is one kind of cytokines released from Th2 cells and plays an important role in the pathogenesis of allergic diseases. In the present study, we aimed to investigate whether PD could skew OVA-challenge induced Th1/Th2 imbalance and attenuate food allergy. Thus, what we wanted to analyze here is the secretion of IL-4 to extracellular but not the total protein expression levels inside the cell. Based on other published papers and our experiences, ELISA is the commonly used method to provide accurate results of cytokine secretion levels.

2) The number of animals per group is not clear.

--Response: There were 12 animals in each group and I have made it clear in Method (Animal section). Thank you for your reminding.

3) Number of animals examined per group in each analysis is not clear.

--Response: There were 8 animals per group in each analysis as I mentioned in the figure legends. Thank you for your reminding.

4) Missing references here and there in the methods and discussion section.

--Response: Thank you for your reminding. I have added all the missing references in the methods and discussion section.

5) The description of histology of intestinal mucosa (figure 2) is too crude, needs to be more detail (ie. rewrite, nobody writes "in a mess" in a manuscript).

--Response: Thank you for your suggestion. I have revised it

6) The authors should discuss the physiological significance of a 34% change in IL-4.

--Response: Thank you for your suggestion. I have added this information in the Discussion Section.

7) In the section of mast cell degranulation: number of morphology of mast is an important piece of data and please show the data.....

--Response: Thank you for your concern. Degranulated mast cells were counted from at least 500 total cells and the percentage of degranulation was calculated as degranulated cells against total cells.

3 References and typesetting were corrected.

Thank you again for publishing our manuscript in the *World Journal of Gastroenterology*.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Yang Bo', with a stylized, cursive script.

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