May 19, 2014

Dear Editor,

We would like to thank the reviewer for his/her constructive comments. Please find enclosed the edited manuscript in Word format.

Title: Insight into the mechanisms and functions of spliceosomal snRNA pseudouridylation

Author: Hironori Adachi, Yi-Tao Yu

Name of Journal: *World Journal of Biological Chemistry*

ESPS Manuscript NO: 8042

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

2 Here is our point-by-point response:

1) In 2011, there are two reviews descripted the functions and mechanisms of spliceosomal small nuclear RNA pseudouridylation.(Andrew T Y, Ge J, Yu Y T. Pseudouridines in spliceosomal snRNAs[J]. Protein & cell, 2011, 2(9): 712-725;Wu G, Yu A T, Kantartzis A, et al. Functions and mechanisms of spliceosomal small nuclear RNA pseudouridylation[J]. Wiley Interdisciplinary Reviews: RNA, 2011, 2(4): 571-581.) What's the difference between the present review and previous published ones? The author should add some novel opinions.

The current review is an updated version (rewrite). While some sections are similar to previous ones (it's hard to avoid), others are relatively new (e.g., induced modifications and a complete list of pseudouridines in snRNAs (Table 1)...). We believe that this version is appropriate for the WJBC readers.

2) In figure 1, what program was used to predict the secondary structures of human spliceosomal snRNAs, please indicate in the figure legends.

We used the "multifold" program, coupled with available chemical mapping data, to generate the structures shown in Figure 1. This is now indicated in the figure 1 legend.

3 References and typesetting were corrected

Thank you again for publishing our manuscript in the World Journal of Biological Chemistry.

Sincerely,

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