

## ESPS PEER REVIEW REPORT

**Name of journal:** World Journal of Biological Chemistry

**ESPS manuscript NO:** 8042

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

**Reviewer code:** 00577234

**Science editor:** Xiu-Xia Song

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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

This review mainly discussed the importance and mechanism of Pseudouridines in spliceosomal snRNAs. The authors proposed a relative novel view that pseudouridylation can be induced by both RNA-dependent and RNA-independent mechanisms. However, some concerns need to be clarified as following: 1. In 2011, there are two reviews described 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. 2. In figure 1, what program was used to predict the secondary structures of human spliceosomal snRNAs, please indicate in the figure legends.