



## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 10652

**Title:** Roles of the canonical myomiRs miR-1, -133 and -206 in cell development and 1 disease 2

**Reviewer's code:** 00063723

**Reviewer's country:** China

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2014-04-12 15:44

**Date reviewed:** 2014-05-09 11:05

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

### COMMENTS TO AUTHORS

Major points: First of all, there is no page number the whole manuscript, bringing great reading inconvenience to reviewers. Each text line should be numbered consecutively from the start to the end of the manuscript. Secondly, the structure of the manuscript is not clear to be understood the content that the authors described and the subtitles need to be named again. The text form needs to be readjusted to a unified format and there are a number of grammatical errors and instances of badly worded/constructed sentences. Descriptive language is too cumbersome and complicated for reviewers to understand the exact meaning that the authors wanted to convey. In terms of content, the types of cancer were listed too much, but the roles and mechanisms of myomiRs in the process of cancer and muscle development were not clarified and explained definitely. The physiological function of different myomiRs should be classified instead of putting together various functions of different myomiRs disorderedly. Minor points: 1) The terms were not written in a unified form. For instance, miRNA, miRs, microRNA. 2) Text format was not written in a unified form. For instance, miR-133 and miR-133. 3) Grammatical mistakes. For instance, Yin and Poss (2008) found miR-133



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controls complex biological processes involving formation and function of the regeneration blastema. 4) Badly worded/constructed sentences. For instance, The miRs -1 and -206 have closely homologous sequences and target some genes in common, as well as other independent targets. The discovery that miRs also impact on the regenerative capacity of mammalian tissues also provides insights into tissue degenerative processes that occur if the normal regulation of these factors is altered. 5) Abbreviated terms can use abbreviations when mentioned again.

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

**ESPS manuscript NO:** 10652

**Title:** Roles of the canonical myomiRs miR-1, -133 and -206 in cell development and 1 disease 2

**Reviewer's code:** 00057400

**Reviewer's country:** United States

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2014-04-12 15:44

**Date reviewed:** 2014-05-09 21:11

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

### COMMENTS TO AUTHORS

First of all thank you for your contribution to the understanding of microRNA in disease and development. I have read your manuscript with great interest. I though think that it needs some revisions. 1. Methodology: I miss a section that explains how you searched literature for this paper. What databases and keywords did you use in order to ensure a complete list of background literature? 2. Language: I think that a revision of the manuscript focusing on the language could improve it and make the make it more readable. There are many interposed phrases and some sentences are very long, for example on page 14: "Interestingly, the increasing level of miR-133b as cervical cancers increase in metastatic potential parallels the association of decreasing levels in miR-1/ miR-206 with increased metastatic potential, discussed above, suggesting that the worsening change in the levels of these miR regulators increases the cellular progression towards cell proliferation and mobility and reduced apoptotic potential".

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

**ESPS manuscript NO:** 10652

**Title:** Roles of the canonical myomiRs miR-1, -133 and -206 in cell development and 1 disease 2

**Reviewer's code:** 00238092

**Reviewer's country:** Japan

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2014-04-12 15:44

**Date reviewed:** 2014-04-18 12:24

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

### COMMENTS TO AUTHORS

In this review manuscript, Mitchelson K et al. summarized recent findings on the potential contribution of myomiRs to various biological contexts. This reviewer strongly encourages the authors to assign page and line numbers throughout for a smooth reviewing process. This reviewer designated the title page as the 1st page. The authors may need to include miR-499 in their detailed description as another major contributor to the muscle development and cardiac stem cell biology as well as to certain cancer progression/inhibition; this miR is encoded in a myosin gene and generally considered as a family member of myomiRs. Besides, miR-133s dominates the overall discussion, which makes the manuscript unbalanced. Similar proportions should be spent to explore miR-1, 206, and 499, unless corresponding information is lacking on these miRs. The subheadings are not well organized or helpful for the readers to track the contents. Please reconsider the whole structure. As minor comments, on page 2, regarding the gene locations, the chromosome numbers would be corresponding to those of mouse. This should be clarified. Sporadic typographical errors were found. As examples, on page 9, "which than" should read "which then". On page 11, "Haem" should



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read "Heme". Also, the typing font is not unified. Please thoroughly edit the manuscript prior to potential resubmission.