

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 83622

Title: 5'tiRNA-Pro-TGG, a novel tRNA halve, promotes oncogenesis in sessile serrated lesions and serrated pathway of colorectal cancer

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06269450

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: China

Manuscript submission date: 2023-02-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-02-04 22:14

Reviewer performed review: 2023-02-07 09:59

Review time: 2 Days and 11 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This article is mainly about RNA genomics for identification of sessile serrated polyps. The study found that tiRNA-1:33-Pro-TGG-1 may be used for early diagnosis of sessile serrated polyps (SSL) and become a target for the treatment of canceration of such polyps. The following questions are raised according to the content of the article, which have been marked in the article: 1. There were a total of 6 5'tiRNAs with differences in expression between SSLs and NCs? 2. The differential multiple of down-regulated genes is very high. Why is there no further study? 3. The data and statistics of polyp size are not mentioned in the previous article. Please analyze how the gene locus is related to polyp size. 4. There is no data on survival outcomes in the previous article. Please analyze how to compare survival outcomes of patients with polyps?

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Reviewer's code: 00070191

Position: Editorial Board

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: China

Manuscript submission date: 2023-02-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-02-05 20:33

Reviewer performed review: 2023-02-10 12:05

Review time: 4 Days and 15 Hours

Scientific quality	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish
Novelty of this manuscript	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Good <input type="radio"/> Grade C: Fair <input type="radio"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Good <input type="radio"/> Grade C: Fair <input type="radio"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

(A)An overview of the manuscript In this study, the specific role of tRNA halves (tiRNAs), a subcategory of Transfer ribonucleic acid (tRNA)-derived small RNAs (tsRNAs) in sessile serrated lesions (SSLs) in the colon, was investigated. Results suggest that tiRNAs could promote the development of SSLs and CRC progression via immune pathways. (B) Introduction and discussion: All relevant previously published studies have been cited The work's aims, significance, and novelty are clearly outlined in the manuscript. (C) Materials and methods: The experimental methods and statistical analyses are appropriate. Moreover, the authors should avoid using alternative methods or adding additional experiments to their current work. The manuscript complies with relevant national or international ethics guidelines. Any misidentified cell lines have been used. (D) Results The data presented is convincing regarding the reliability and validity of the results and figures. The authors present the relevant controls. The data support all the conclusions made by the authors. (E) The level of the English The manuscript does not require further revisions by a language editing company or a native English speaker. However, minor revision is required.