



PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 70269

Title: RNA-Seq profiling of circular RNAs in human colorectal cancer 5-fluorouracil resistance and potential biomarkers

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05774393

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: China

Manuscript submission date: 2021-07-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-04 11:27

Reviewer performed review: 2021-08-05 12:27

Review time: 1 Day and 1 Hour

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 Grade E: Do not publish
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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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
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SPECIFIC COMMENTS TO AUTHORS

-You have mentioned that this study was the first to study the potential role of circRNAs in 5-Fu resistance in CRC at the cellular level while there are some other studies -You have mentioned detection of 17,939 cirRNA. What about some of the previously discovered CirRNA which are also involved in 5-FU resistance like (hsa_circ_0007031 and hsa_circ_0000504). Were they detected? - What about some important pathways and target genes that are commonly known to be associated with 5-FU resistance in colon cancer like STAT3/AKT3 signaling pathways, Bcl2, EGFR. Do they have a role with these circRNA? -What is the mechanism of FUT3 and PLAG in drug resistance? -Wnt, mTOR, Cell adhesion are between the top 10 detected pathways. How did you test them? -Revise the comments on figure 1 -Reference No (16) is very old, if you can, update it



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Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05776245

Position: Peer Reviewer

Academic degree: BSc, MSc

Professional title: Academic Research, Research Scientist, Teaching Assistant

Reviewer's Country/Territory: Poland

Author's Country/Territory: China

Manuscript submission date: 2021-07-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-05 19:34

Reviewer performed review: 2021-08-08 06:30

Review time: 2 Days and 10 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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SPECIFIC COMMENTS TO AUTHORS

Dear Authors, Please find the attached file with my comments. Regards, Reviewer



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Title: RNA-Seq profiling of circular RNAs in human colorectal cancer 5-fluorouracil resistance and potential biomarkers

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05721372

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Romania

Author's Country/Territory: China

Manuscript submission date: 2021-07-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-04 03:56

Reviewer performed review: 2021-08-12 19:08

Review time: 8 Days and 15 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
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SPECIFIC COMMENTS TO AUTHORS

The introductory section could be developed. Add the references: - Predescu D, Boeriu M, Constantin A, Socea B, Costea D, Constantinoiu S. Pregnancy and Colorectal Cancer, from Diagnosis to Therapeutical Management - Short Review. *Chirurgia (Bucur)*. 2020 Sept-Oct;115(5):563-578. doi: 10.21614/chirurgia.115.5.563. - Gruia MI, Marinescu S, Predescu D, Jinescu G, Socea B, Gruia I. Oxidative stress level in onco-surgical treatment dynamics at patients with malignant colo-rectal tumors. *Rev. Chim.*, 71 (5), 2020, 450-461. doi: 10.37358/RC.20.5.8157. - Păun I, Constantin VD, Socea B, Bobic S. The impact of environmental factors upon the incidence rate of colorectal cancer. *Ciencia e Tecnica Vitivinicola*, 2015, 30/2 (11): 99-133. The limitations of the study must be precised. The conclusions should be more concise and strictly reflect the results form the study.