



**Baishideng
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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 52258

Title: Exploring the prognostic potential of long noncoding RNA in colorectal cancer based on competing endogenous RNA networks

Reviewer's code: 02855194

Position: Peer Reviewer

Academic degree: FRCP (Hon), MD, MRCP

Professional title: Full Professor, Honorary Research Fellow, Professor, Research Scientist

Reviewer's country: United States

Author's country: China

Manuscript submission date: 2019-12-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2019-12-02 00:51

Reviewer performed review: 2019-12-15 03:08

Review time: 13 Days and 2 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
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<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejection	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not publish		<input type="checkbox"/> Minor revision	topic of the manuscript:
		<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting study. Many CRC patients are diagnosed at advanced stage disease, because of a shortage of useful biomarkers. Advanced stage disease with distant metastasis is the main reason for the poor therapeutic efficacy of surgery in CRC. Therefore, discovering highly effective diagnostic biomarkers and understanding the molecular mechanisms underlying CRC tumorigenesis are needed to significantly increase the survival rate of CRC patients. The regulatory networks of lncRNA, miRNA, mRNA, and ceRNA play significant roles in the development of gastric cancer, cholangiocarcinoma, and colorectal cancer. However, most of these generated ceRNA networks contain a large number of lncRNAs, and it is difficult to extract the lncRNAs closely related to survival prognosis. In this study, the RNA expression profiles were combined with patient clinical features to generate the ceRNA network. Based on the multivariate Cox regression model, a four-lncRNAs model based on the risk score of the ceRNA network was developed. Furthermore, the association between this model, clinical information, and survival prognosis was analyzed. Key lncRNAs in the ceRNA network were validated in clinical CRC tissues by qRT-PCR. This study provides a deep understanding of ceRNAs, and the four-lncRNA model could identify novel candidate biomarkers for CRC. Overall, the study is well designed and the manuscript is very well



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written. Minor comments: 1. The manuscript requires a minor language editing. Some minor language polishing should be revised. 2. Methods are very clear. Sample size is big. 3. Results are excellent. The data in tables are interesting. Figures are informative. However, the words in some figures are very small, please check and provide the original figure for publication. 4. Discussion is good, and the limit of the study is also discussed. 5. References are updated.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 52258

Title: Exploring the prognostic potential of long noncoding RNA in colorectal cancer based on competing endogenous RNA networks

Reviewer's code: 02491619

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Doctor, Lecturer, Professor

Reviewer's country: South Korea

Author's country: China

Manuscript submission date: 2019-12-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2019-12-01 15:18

Reviewer performed review: 2019-12-15 03:36

Review time: 13 Days and 12 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

Excellent study about the prognostic potential of long noncoding RNA in colorectal cancer based on competing endogenous RNA networks. The study is very well designed and the results are interesting. Tables and figures are very good, and easy to follow. I have no specific comments, only some minor language polishing should be checked and revised. Congratulations!

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [Y] No

BPG Search:

- ☐ The same title
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- ☐ Plagiarism
- ☐ [Y] No