

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 84603

**Title:** Comparative analysis of the gut microbiota of wild adult rats from nine district areas in Hainan, China

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 06110697

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Associate Professor, Research Dean

**Reviewer's Country/Territory:** Sweden

**Author's Country/Territory:** China

**Manuscript submission date:** 2023-03-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-04-01 12:10

**Reviewer performed review:** 2023-04-06 08:59

**Review time:** 4 Days and 20 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 Grade E: Do not publish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 type="checkbox"/> Grade A: Excellent <input checked="" 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

<b>Scientific significance of the conclusion in this manuscript</b>	<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
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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

The manuscript “Comparative analysis of the gut microbiota of wild adult rats from nine district areas in Hainan, China” by Lina Niu et al. compared the gut bacterial communities in faecal samples from 162 wild rats of three species and nine geographic locations in Hainan by 16S rRNA gene amplicon sequencing. Overall, this study was well conducted with good methodology and intelligible English. It is well written and highly interesting. The experiment of the study is designed very well. The methods of data analysis are very clear, and the results are presented well. However, the following points must be considered before publication. In my opinion, The ABSTRACT can be structured, such as divided into background, aim, method, result and conclusion, which can be presented more clearly. In this study, there are 5 figures, 2 tables, and 5 supplementary tables that provide rich data for microbial community information. In addition, authors also make a lot of analysis on the data obtained, but there are still some data that need to be reconfirmed, for example, ‘Figure 2’ on page 8, line 14, which should be Figure 3.

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**Reviewer's code:** 06078979

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Assistant Professor, Senior Lecturer

**Reviewer's Country/Territory:** Switzerland

**Author's Country/Territory:** China

**Manuscript submission date:** 2023-03-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-03-30 02:59

**Reviewer performed review:** 2023-04-07 08:57

**Review time:** 8 Days and 5 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 type="checkbox"/> Grade A: Excellent <input checked="" 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

<b>Scientific significance of the conclusion in this manuscript</b>	<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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<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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

Dear authors, thank you for submitting your paper to the World Journal of Gastroenterology. Your study is a well-written, good structured recommendation to explore the gut bacterial composition in wild adult rats from Hainan province in China. The information is good for identify microbial communities and is useful for disease control. Thank you for a useful and important synopsis of this important topic. The reviewer thinks this manuscript can further benefit from grammatical revisions.