

Dear Editor,

Thank you for your response to our manuscript, especially for the reviewers' comments on our manuscript entitled "*A novel lipid metabolism-related lncRNA RP11-81714.1 promotes fatty acid synthesis and tumor progression in hepatocellular carcinoma*" (Manuscript NO.: 89482, Basic Study). All comments are valuable and serve to improve the quality of our manuscript. We have carefully studied the comments according to reviewers' suggestions and revised the manuscript accordingly. We hope that the revised manuscript would meet the requirements for publication in *World Journal of Gastroenterology*. Based on the instructions provided in your letter, we have uploaded the revised manuscript files, however, it is worth noting that we have polished and changed the format of the full text in accordance with the requirements of the journal, so there is no special mark one by one. Meanwhile, responses to the reviewers' comments are addressed below.

If you have further questions or concerns on our manuscript, please do not hesitate to contact us.

We look forward to hearing from you.

Sincerely yours,

Hong Zhu, M.D., Ph.D.

Reviewer #1:

General comments: *The authors conducted the differential expression analyses in The Cancer Genome Atlas (TCGA) to identify lipid metabolism-related lncRNAs in HCC progressivos. qRT-PCR analysis was used to evaluate the expression of LMR lncRNAs and Nile red staining was used to observe intracellular lipid levels. Dual-luciferase reporter gene and RIP assays were performed to validate the interaction between RP11-817I4.1, miR-3120-3p, and ACLY. The authors concluded that 3 LMR-lncRNAs (NRAV, TMCC1-AS1, and RP11-817I4.1) were found to be predictive markers for HCC patients and were used to build risk models. Furthermore, RP11-817I4.1 knockdown reduced proliferation, migration, and invade. RP11-817I4.1 significantly increased lipid levels in HCC cells through the miR-3120-3p/ ACLY axis abs. They also concluded that LMR-lncRNAs have the capacity to predict the clinical characteristics and prognoses of patients with HCC and a new lncRNA, RP11-817I4.1, can accelerate the emergence and development of HCC. The methodology was proper and well described. The figures are illustrative and well displayed. The discussion is concise and updated. English polite is needed, mainly in concordance..*

Response to general comments: We thank the reviewer for the positive comments to our manuscript. Based on your suggestions, we have revised the manuscript accordingly. We have professionally polished the manuscript with a native speaker.

We hope the revised manuscript could address all the reviewer's concerns .