Author’s response to reviews

Title: Gene expression, regulation of DEN and HBx induced HCC mice models and comparisons of tumor, para-tumor and normal tissues

Authors:
Qin Tang (tangq@hust.edu.cn)
Qi Wang (timwang6750@gmail.com)
Qiong Zhang (zhangqiong@hust.edu.cn)
Sheng-Yan Lin (linshengyan@hust.edu.cn)
Yanhong Zhu (yhzhu@hust.edu.cn)
Xiangliang Yang (yangxl@hust.edu.cn)
An-Yuan Guo (guoay@hust.edu.cn)

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Sebastian Krug (Reviewer 2): Please include all comments for the authors in this box rather than uploading your report as an attachment. Please only upload as attachments annotated versions of manuscripts, graphs, supporting materials or other aspects of your report which cannot be included in a text format.

Please overwrite this text when adding your comments to the authors.

Reply: We check the Reviewer 2’s comment, the status is “Accept without revision”.

Vikash Verma (Reviewer 3): Since most of my concerns have been addressed, I recommend the manuscript for publication after addressing the following point:

The immunohistochemistry image provided in response to my comment is of very poor quality. Please provide a high-resolution image of DROSHA and ADAR, quantify the changes in the gene expression (intensity) using any commercially available software, such as Image J, and provide a histogram of the fold change. Ideally, the fold change in the gene expression should match with your RNA-seq data. Please include this figure in the manuscript as a supplementary figure.

Reply: Thank you for your comment and suggestion. We have processed the image again and calculated the Integrated Optical Density of these two proteins using Image pro plus (Version
6.0). The results have been added into the manuscript at line 3, page 16. And the figure have been inserted into the manuscript as Supplementary figure S3.