Reviewer's report

Title: Comparative Analysis of 14-3-3 Isoform Expression and Epigenetic Alterations in Colorectal Cancer

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Reviewer: Changzhi Huang

Reviewer's report:

1. This is an interesting result that 14-3-3 gene expression is altered in colon tumors. The study that identifies individual CpG methylation sites in the 14-3-3 zeta and eta genes suggest a link between 14-3-3 expression levels and the development of colon cancers.

2. The NIH3T3 control assay treated by H-RAS and FNpCDNA3 vector containing an N-terminal FLAG tag is needed to test whether FNpCDNA3 could also suppress the transforming potential of H-RAS.

3. To test whether 14-3-3 eta could also act as a tumor suppressor. What is the mechanism? Other suppressing cancer experiments are also needed to further study the ability of 14-3-3 eta act as a tumor suppressor.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.