Reviewer’s report

Title: Epigenetic loss of heterozygosity of Apc and an inflammation-associated mutational signature detected in Lrig1+/−-driven murine colonic adenomas

Version: 0 Date: 17 Nov 2019

Reviewer: Hong Nam Koong

Reviewer's report:

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

Thank you for submitting your manuscript entitled "Epigenetic Loss of Heterozygosity of Apc and an Inflammation-associated Mutational Signature Detected in Lrig1+/−-driven Murine Colonic Adenomas" to BMC cancer.

It is well described the effects of genetic mutation in tumor development.

Here I suggest minor comments.

First, I tried to find statistical value, but there were no mention about statistical value.

If you add statistical p-value in here, your paper would be more convincing data to other researchers.

Second, in fig 4, 5, and other figures, it is ambiguous about 'nontumor' or 'normal'.

Are those controls from real normal mice (untreated wild type mice) or parts of non-tumor?

Third, discussion pard is well described but It's too long.

It is better to reduce some sentence.

Thank you.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Unable to assess

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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