Reviewer’s report

Title: Predominance of Triple Wild-Type and IGF2R Mutations in Mucosal Melanomas

Version: 0 Date: 27 Jul 2018

Reviewer: Maria C. Sini

Reviewer's report:

TERMS

In several locations the authors use the terms "mt"; to my knowledge "mutation" is more correct.

The authors use the terms "mt burden" (lines 10, 15 on pg 9); to my knowledge "Tumor mutation burden" (TMB) is more correct

IHC

It might be important to increase the number of IHC tests in order to verify whether there are differences of pd-l1 expression between MM and MC as well as between the different anatomical sites. Correlation between pd-l1 expression and BRAF, NRAS, or c-KIT mutational status should be also assessed. In other words, IHC data are not sufficient to make any significant correlation.

NGS

To determine the accuracy of the sequencing system, it will be necessary to provide as much details as possible when describing the results of non-synonymous mutations about:

- Phred score. Q scores are used to measure base calling accuracy, one of the most common metrics for assessing sequencing data quality

- MAF is widely used in population genetics studies because it provides information to differentiate between common and rare variants in the population.
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.

No

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

No

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 am able to assess the statistics

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

Acceptable

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