Reviewer’s report

Title: Whole exome sequencing reveals a stop-gain mutation of PKD2 in an autosomal dominant polycystic kidney disease family complicated with aortic dissection

Version: 1 Date: 28 Aug 2017

Reviewer: Andrew Paterson

Reviewer's report:
the authors response to my previous comment to specification of variant filtering is incomplete. they state 'minimal allele frequency < 0.01' but there is no reference or details provided about where such information is obtained from, and how it is relevant to the ethnic origin of the family reported here.

they have modified their text to indicated that 'All family members were subjected to enhanced computed tomography ...' does this include the married in individuals II.1 and II.4? If not, they should be explicit about who had imaging.

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.

Yes

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 am able to assess the statistics

**Quality of written English**

Please indicate the quality of language in the manuscript:

Acceptable

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