**Reviewer’s report**

**Title:** FAM168A participates in the development of chronic myeloid leukemia via BCR-ABL1/AKT1/NFκB Pathway

**Version:** 0  **Date:** 02 Jan 2019

**Reviewer:** Xiangmin Tong

**Reviewer's report:**

The authors showed that TCRP1 may be involved in the regulation of AKT1/NFκB signaling pathway and cell cycle in CML. However, the reviewer has several serious concerns.

Specific points:

1. The authors showed that TCRP1 interacts with BCR-ABL, however, how about chromosome phenotype and the BCR/ABL fusion of the CML patients included in this study?

2. The authors should include more patients and normal controls in this study. And three independent experiments are required.

3. In figure 8, it did not seem that the bands are from a same gel according to the morphology of the bands. The author need to provide original western blot results to the editor.

4. Is TCRP1 regulate the apoptosis of the K562 cells?

5. In figure 7, qualification is required. In addition, the quality of pictures needs to be proved.

6. As to the animal study, three independent experiments are required.

7. It has been proved that AKT is sustained phosphorylated by TRCP1, thus the time curve of AKT phosphorylation is required. And the authors need to prove the effective duration of TRCP1 siRNA, and the relation with the phosphorylation duration of AKT.

8. English should be re-checked.
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:

Not suitable for publication unless extensively edited

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