Reviewer’s report

Title: Improved antibacterial effects of alkali-transformed saponin from quinoa husks against halitosis-related bacteria

Version: 0 Date: 04 Oct 2017

Reviewer: Ali Al-Ahmad

Reviewer's report:

Main comments

The manuscript of Sun et al. deals with the antibacterial effects of quinoa saponin against halitosis related bacteria. The methods used are appropriate, the manuscript deals with an interesting topic. However, this manuscript needs a major revision according to the points listed:

* The abstract should be improved to clearly depict the methods used.
* All tested bacteria are anaerobic (obligate anaerobic). Did the authors test also aerobic bacteria?
* Why did the authors not use standards MIC/MBC determination methods (CLSI)?
* In the results and discussion section, the authors depicted their results comprehensively. However, not all results were discussed sufficiently.
* The language of the manuscript should be revised by a native speaker (e.g.: page 2, line 13, page 5, line 102….)

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:

Needs some language corrections before being published

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

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3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

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