**Reviewer’s report**

**Title:** The Relationship between Vitamin D Receptor Gene Polymorphism and Deciduous Tooth Decay in Chinese Children

**Version:** 0  **Date:** 19 Dec 2016

**Reviewer:** Karolina Gerreth

**Reviewer’s report:**

The manuscript is very valuable and interesting, however, I suggest following amendments:

The study design could be described in details - How were children recruited? Where did you examine the children (e.g. classroom, dental surgery, etc)? How were the children's teeth examined? It was mentioned that a calibration was done for examiners. Do the Authors have a kappa value? How was the diagnosis of dental caries confirmed?

Please check if this sentence is correct: Page 5 lines 6-9: „The restriction fragment length polymorphism technique was performed in a final reaction volume of 20μL, by using 0.5μL BsmI, TaqI, ApaI and FokI (New England Biolabbs, Beijing, China) and a 5μL aliquot of polymerase chain reaction products, BsmI, TaqI, ApaI and FokI were digested at 65℃ for 2, 2, 16 and 3 hours respectively."

Could you add the number of the approval of the Institutional Ethical Committee of Guangzhou Medical University?

Could you write in „Authors' contributions" section who contributed to obtaining: the funding, the oral swab collection, the clinical genetics investigation and who performed the bioinformatics analysis?

Please correct some minor grammar/language mistakes.

**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 recommend additional statistical review

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

Needs some language corrections before being published

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