Reviewer’s report

Title: Contiguous 22.1-kb deletion embracing AVPR2 and ARHGAP4 genes at novel breakpoints leads to nephrogenic diabetes insipidus in a Chinese pedigree

Version: 0 Date: 30 May 2017

Reviewer: Chun Zhang

Reviewer’s report:

The authors found a novel gross deletion spanning AVPR2 and ARHGAP4 genes in a Chinese pedigree with X-linked nephrogenic diabetes insipidus, and discussed the potential function of this deletion in short stature. The experiment was well designed and the overall manuscript is easy to follow. This is an interesting report. There are, however, some points, which need to be addressed by the authors.

1. There are some grammatical mistakes in the manuscript.

Line 27 on page 2: "After available data analysis" should be "After analyzing available data".

Line 51 on page 3: "we review all characterized entire AVPR2 deletions and find the potential .." is suggested to be modified as "we reviewed all characterized AVPR2 deletions and found the potential ..".

Line 19 and line 27 on page 4: The past perfect tense should be changed to past tense in "urine osmolality had also been measured" and "nosebleeds had happened...".

Line 1 on page 6: "combination" in "After PCRs using different primer combination" should be "combinations".

Line 7 on page 6: "using by UCSC Genome Browser..." is suggested to be modified as "according to Human Feb. 2009 <GRCh37/hg19> Assembly on UCSC Genome Browser".

Line 29 on page 6: "Compared to" should be "Compared with".

Line 53 on page 6: It is obscure in this sentence: "Especially the proband was small for his age verified by X-ray."

Line 56 on page 6: "comparing" should be "compared".

Line 16 on page 7: "need further investigated" should be "need to be further investigated".

Multiple demonstrative pronouns such as "it" and "these" are not used properly.
2. The reference format is not concordant with the style of BMC Nephrology. Please refer to the instructions here: https://bmcnephrol.biomedcentral.com/submission-guidelines/preparing-your-manuscript/research-article.

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

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