

Reviewer Report

Title: Trochodendron aralioides, the first chromosome-level draft genome in Trochodendrales and a valuable resource for basal eudicot research

Version: Original Submission **Date: 8/18/2019**

Reviewer name: Shih-Hui Liu

Reviewer Comments to Author:

This is an informative Data Note MS. The authors successfully assembled *Trochodendron aralioides* chromosome-scale genome applying multiple high throughput sequencing technologies and platforms. The authors also predicted proteins, estimated divergence time, and investigated the genome-wide duplication events. Most of the MS was well-written. The MS might be improved if the authors would provide minor revisions by responding to the following minor comments.

Minor comments:

1. The MS was provided no page numbers and no line numbers. This results in communication difficulties between the authors, reviewers, and editors.
2. The script "duplication_rm.v2" is not available. Please provide the script as a supplementary or in a web link.
3. Several references are missing for data analysis tools, for example: Myer's algorithm, Quiver, and BLAST. It would be better if the authors would provide the references.
4. There is some awkward punctuation in the section "Genomic DNA extraction, Illumina sequencing and genome size estimation." Please fix them.
5. There are sentence fragments in the section "Annotation." Please fix them.

Level of Interest

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Quality of Written English

Please indicate the quality of language in the manuscript: Choose an item.

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