

Reviewer Report

Title: A chromosome-level reference genome of the hazelnut, *Corylus heterophylla* Fisch.

Version: Original Submission **Date:** 1/27/2021

Reviewer name: Jarkko Salojarvi, DSc (tech)

Reviewer Comments to Author:

The authors present a chromosome-level assembly of hazelnut from a combination of short read, long read and Hi-C sequencing data. The assembly appears to be well done and the quality of the annotations is good.

The accession IDs for NCBI and SRA were still missing from this version, I would like to request that the data be deposited to the repository upon publication of the assembly.

The paper needs proof reading and help from a native English speaking person. There were several errors in grammar, in the beginning I kept track but when it became clear that the whole text is similar I stopped.

Abstract

Line 16: economically and ecologically important nut tree

Line 19: Nanopore (capital letter)

Line 29: bad english: molecular mechanism of hazelnut responding to environmental stress and serve as a resource ->

molecular mechanisms of how hazel nut responds to environmental stresses and serves as a resource (or similar)

35: provides

36: There is a high content

39 ranges (or varies between)

45: Inadequate

54: "one of the most economically wild *Corylus* species" - what does this mean?

85 Qbit -> Qubit

109: fuorometry -> fluorometry

253: this is the monocot - dicot split time

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