

Reviewer Report

Title: SnpHub: an easy-to-set-up web server framework for exploring large-scale genomic variation data in the post-genomic era with applications in wheat

Version: Original Submission **Date: 3/5/2020**

Reviewer name: Awais Rasheed

Reviewer Comments to Author:

The publication and the resource developed for has merits and provided handy tools for analysis of SNP data.

- 1) A major shortcoming is the analysis of the SNP array data. Can they include an interface to analyse SNP array data, where the data is usually available in .hapmap format.
- 2) I will suggest to add a video tutorial for using snpHub. Please see a recent rice galaxy paper published in Gigascience. It would greatly help breeding community, which sometime don't have expertise for such analyses.
- 3) No bioinformatics pipeline is embedded in the resource, this could be easily incorporated to add a blast tool or annotation of wheat genome sequence.
- 4) Since it is more focused to be a visualisation tool, i would suggest if the variants could be visualized in wheat JBrowse.

Level of Interest

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Quality of Written English

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