

## Reviewer Report

**Title: SwiftOrtho: a Fast, Memory-Efficient, Multiple Genome Orthology Classifier**

**Version: Revision 1**      **Date: 7/10/2019**

**Reviewer name: Marcus Lechner, Ph.D.**

### Reviewer Comments to Author:

The authors addressed all major points raised in the first review. The inclusion of comparative benchmarks with other BLAST-like methods and orthology inference tools puts SwiftOrtho in a good perspective to other software, highlighting its advantages regarding low computational requirements to a so far unmet degree. An upgrade to Python 3 increases its durability in the near future.

Minor points:

- author contribution and acknowledgments are still missing
- line 40: As stated in the author's answer: "This approach is similar to InParanoid" The current phrasing in the manuscript implies that InParanoid is explicitly called by OrthoMCL which is not true.
- typos: line 127 (stores), line 414 (Proteinortho)

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