

## Reviewer Report

**Title: X-ray microtomography-based atlas of mouse cranial development**

**Version: Original Submission**    **Date: 10/10/2020**

**Reviewer name: Brian Metscher**

### Reviewer Comments to Author:

The authors present a set of 3D images of mouse embryo heads from daily stages particularly important for facial skeletal development (E12-18). These are high-quality and complete contrast-enhanced micro-CT images showing details of soft tissues at the level of low-magnification histology. They will be potentially useful in any number of embryological studies. The dataset also includes segmentations (delimited sub-volumes, or masks) of the developing facial cartilage, from another publication.

This is a model submission for presenting a dataset of this kind.

In the Word document, I have offered some suggestions for slight improvements to the style and presentation. Otherwise, the report appears ready for publication.

### Level of Interest

Please indicate how interesting you found the manuscript: Choose an item.

### Quality of Written English

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

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