Manuscript Title

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Abstract

Background & Summary

We scanned a *lot* of different mouse strains and so-called hybrids, both male and female. One scan for each strain, each hybrid and each sex gives already 90 samples.

Methods

Sample preparation

- · Mice were anesthesized
- Mice were decapitated
- Mouse skulls were stored in ...

Tomographic imaging

- SkyScan 1272 with sample changer
- All log files available here: https://github.unibe.ch/david-haberthuer/InMice/tree/main/logfiles

Image processing

• *Jupyter*¹ notebooks, available here: https://github.unibe.ch/david-haberthuer/InMice/, for reproducible research.

Data Records

Technical Validation

Usage Notes

Code Availability

• <u>Jupyter notebooks</u>

References

- 1. Kluyver, T. *et al.* Jupyter Notebooks a publishing format for reproducible computational workflows. in (eds. Loizides, F. & Scmidt, B.) 87–90 (IOS Press, 2016). doi: 10.3233/978-1-61499-649-1-87.
- 2. ANSI/NISO Z39.104-2022, CRediT, Contributor Roles Taxonomy. doi: 10.3789/ansi.niso.z39.104-2022.
- 3. Himmelstein, D. S. *et al.* Open collaborative writing with Manubot. *PLoS Comput Biol* **15**, e1007128 (2019).

Author Contributions

Contributor Roles Taxonomy (CRediT), as defined in²:

• Data curation: David Haberthür

Formal analysis: David Haberthür

• Investigation: David Haberthür

Methodology: David Haberthür

• Project administration: David Haberthür

• Software: David Haberthür

Validation: David Haberthür

Visualization: David Haberthür

• Writing – original draft: David Haberthür

Writing – review & editing: David Haberthür

• Sample preparation/scanning: Larisa Petra Kaija

Competing Interests

Author	Competing Interests	Last Reviewed
David Haberthür	None	2025-06-27
Larisa Petra Kaija	Employed by a company that could lead to a conflict of interest.	2025-06-27

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