

# Facilitating single-cell chromatin accessibility research with a user-friendly database

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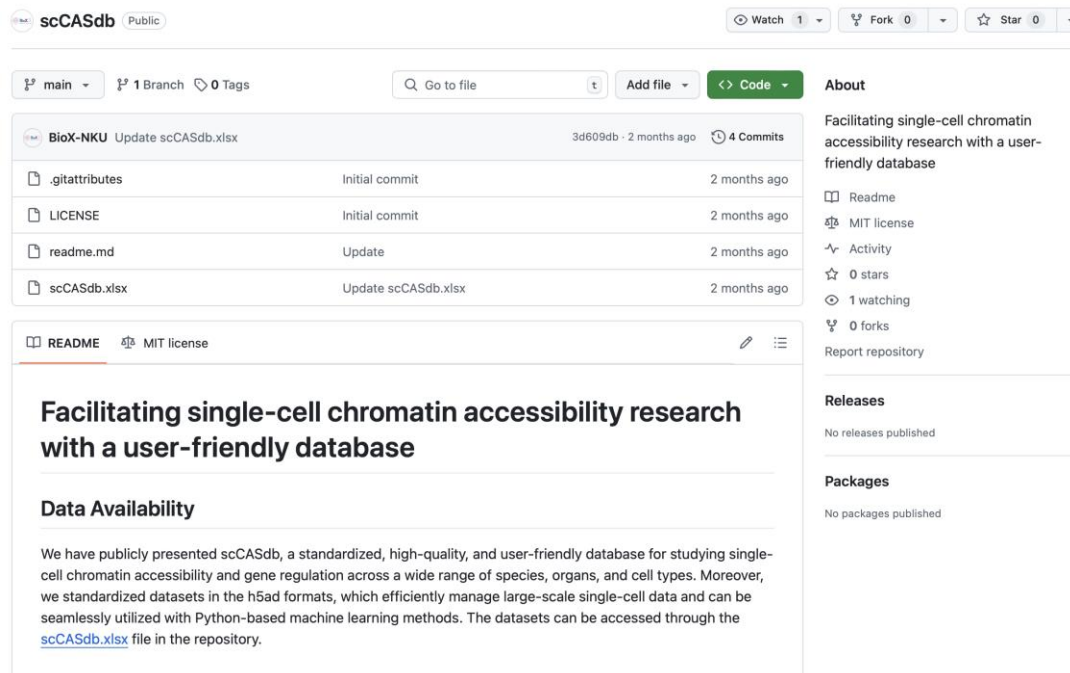
Frontiers of Computer Science, DOI: [10.1007/s11704-025-41390-5](https://doi.org/10.1007/s11704-025-41390-5)

# Problems & Ideas

- Problems in scCAS Data Utilization:
  - Lack of a centralized repository for diverse scCAS datasets.
  - Inconsistent data formats complicate analysis and method development.
- Ideas:
  - Develop scCASdb: A user-friendly, standardized database for scCAS data.
  - Collect and curate well-annotated datasets in a unified format.
  - Facilitate accessibility and usability for efficient research in single-cell heterogeneity.

# Main Contributions

- Contributions:
  - A comprehensive collection of 80 scCAS datasets from diverse sources.
  - Standardized datasets in user-friendly h5ad format, fully compatible with Scanpy.
  - Provide various information on datasets, including cell type, tissue, and batch labels



A screenshot of the scCASdb database website interface.