

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 8, 2026

BarensLab Mini-Atlas

RRID:SCR_021115

Type: Tool

Proper Citation

BarensLab Mini-Atlas (RRID:SCR_021115)

Resource Information

URL: <https://github.com/berenslab/mini-atlas>

Proper Citation: BarensLab Mini-Atlas (RRID:SCR_021115)

Description: Phenotypic variation of transcriptomic cell types in mouse motor cortex. Repository contains analysis code and preprocessed data. Data includes exonic and intronic gene counts, extracted electrophysiological features, extracted morphological features and z-profiles. Datasets with recorded at room temperature and recorded at physiological temperature.

Resource Type: atlas, data or information resource, mni atlas, reference atlas

Defining Citation: [DOI:10.1101/2020.10.19.343129v1](https://doi.org/10.1101/2020.10.19.343129v1)

Keywords: Phenotypic variation, transcriptomic cell types, mouse motor cortex, morpho-electric phenotypes, mouse primary motor cortex, analysis code, preprocessed data, exonic gene counts, intronic gene counts, extracted electrophysiological features, extracted morphological features, z-profiles, raw data, cellular taxonomy, neuron, morphological reconstruction

Availability: Free, Freely available

Resource Name: BarensLab Mini-Atlas

Resource ID: SCR_021115

Record Creation Time: 20220129T080353+0000

Record Last Update: 20260905T133057+0000

Ratings and Alerts

No rating or validation information has been found for BarensLab Mini-Atlas.

No alerts have been found for BarensLab Mini-Atlas.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Martinez A, et al. (2026) Targeted KRASG12V Degradation in vivo Elicits Lung Adenocarcinoma Regression with Subsequent Relapse from Dysregulated Proteolysis. Cancer research.

Bernaerts Y, et al. (2025) Combined statistical-biophysical modeling links ion channel genes to physiology of cortical neuron types. bioRxiv : the preprint server for biology.

Bernaerts Y, et al. (2025) Combined statistical-biophysical modeling links ion channel genes to physiology of cortical neuron types. Patterns (New York, N.Y.), 6(10), 101323.

Arbabi K, et al. (2023) Investigating microglia-neuron crosstalk by characterizing microglial contamination in human and mouse patch-seq datasets. iScience, 26(8), 107329.

Scala F, et al. (2021) Phenotypic variation of transcriptomic cell types in mouse motor cortex. Nature, 598(7879), 144.

Gala R, et al. (2021) Consistent cross-modal identification of cortical neurons with coupled autoencoders. Nature computational science, 1(2), 120.