

Resource Summary Report

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CATlas

RRID:SCR_018690

Type: Tool

Proper Citation

CATlas (RRID:SCR_018690)

Resource Information

URL: <http://catlas.org/mousebrain/#!/>

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Description: Atlas of gene regulatory elements in adult mouse cerebrum. Atlas of CIS elements, providing information on accessible chromatin in individual cells from regions of adult mouse isocortex, olfactory bulb, hippocampus and cerebral nuclei. Uses resulting data to define candidate cis-regulatory DNA elements in distinct cell groups. Many are linked to putative target genes expressed in diverse cerebral cell types and uncover transcriptional regulators involved in broad spectrum of molecular and cellular pathways in different neuronal and glial cell populations. Used for analysis of gene regulatory programs of mammalian brain and interpretation of non-coding risk variants associated with various neurological disease and traits in humans.

Synonyms: , Cis-element Atlas, Ren lab web portal for chromatin accessibility data

Resource Type: atlas, data or information resource

Defining Citation: [DOI:10.1101/2020.05.10.087585](https://doi.org/10.1101/2020.05.10.087585)

Keywords: Gene, regulatory element, gene regulatory element, adult mouse, cerebrum, Cis-element, chromatin, mouse isocortex, olfactory bulb, hippocampus, cerebral nuclei, cis regulatory DNA element, brain, neurological disease

Availability: Free, Freely available

Resource Name: CATlas

Resource ID: SCR_018690

Record Creation Time: 20220129T080341+0000

Record Last Update: 20260905T133216+0000

Ratings and Alerts

No rating or validation information has been found for CATlas.

No alerts have been found for CATlas.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Wang Z, et al. (2026) Integrative Single-Cell Epigenomic Atlas Annotates the Regulatory Genome of the Adult Mouse Brain. bioRxiv : the preprint server for biology.

Velazquez-Rivera E, et al. (2025) Specific targeting of brain endothelial cells using enhancer AAV vectors. Neuron, 113(10), 1562.

Hunker AC, et al. (2025) Enhancer AAV toolbox for accessing and perturbing striatal cell types and circuits. Neuron, 113(10), 1507.

Hawrylycz M, et al. (2023) A guide to the BRAIN Initiative Cell Census Network data ecosystem. PLoS biology, 21(6), e3002133.