Resource Summary Report

Generated by dkNET on May 21, 2025

Scrattch.Hicat

RRID:SCR_018099
Type: Tool

Proper Citation

Scrattch.Hicat (RRID:SCR_018099)

Resource Information

URL: https://github.com/AllenInstitute/scrattch.hicat

Proper Citation: Scrattch.Hicat (RRID:SCR_018099)

Description: Software R package as hierarchical, iterative clustering for analysis of transcriptomics data.Used for single cell RNA-seq analysis for transcriptomic type characterization from Allen Institute.

Synonyms: Scrattch Hierarchical, Iterative Clustering for Analysis of Transcriptomics

Resource Type: software resource, software application, data analytics software

Keywords: Hierarchical, iterative clustering, analysis, transcriptomics, data, single cell RNAseq, Allen Institute

Funding:

Availability: Free, Available for download, Freely available

Resource Name: Scrattch.Hicat

Resource ID: SCR_018099

License: 2-clause BSD license

Record Creation Time: 20220129T080338+0000

Record Last Update: 20250519T205010+0000

Ratings and Alerts

No rating or validation information has been found for Scrattch.Hicat.

No alerts have been found for Scrattch.Hicat.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 25 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Ben-Simon Y, et al. (2024) A suite of enhancer AAVs and transgenic mouse lines for genetic access to cortical cell types. bioRxiv : the preprint server for biology.

Gao Y, et al. (2024) Continuous cell type diversification throughout the embryonic and postnatal mouse visual cortex development. bioRxiv : the preprint server for biology.

Matthews EA, et al. (2024) RNA-programmable cell type monitoring and manipulation in the human cortex with CellREADR. bioRxiv : the preprint server for biology.

Hunker AC, et al. (2024) Enhancer AAV toolbox for accessing and perturbing striatal cell types and circuits. bioRxiv : the preprint server for biology.

Yao Z, et al. (2023) A high-resolution transcriptomic and spatial atlas of cell types in the whole mouse brain. Nature, 624(7991), 317.

Zhang Y, et al. (2023) Reference-based cell type matching of in situ image-based spatial transcriptomics data on primary visual cortex of mouse brain. Scientific reports, 13(1), 9567.

Sorensen SA, et al. (2023) Connecting single-cell transcriptomes to projectomes in mouse visual cortex. bioRxiv : the preprint server for biology.

Johansen N, et al. (2023) Interindividual variation in human cortical cell type abundance and expression. Science (New York, N.Y.), 382(6667), eadf2359.

Luo C, et al. (2022) Single nucleus multi-omics identifies human cortical cell regulatory genome diversity. Cell genomics, 2(3).

Ishii K, et al. (2022) A neurogenetic mechanism of experience-dependent suppression of aggression. Science advances, 8(36), eabg3203.

Ortiz-Álvarez G, et al. (2022) p53/p21 pathway activation contributes to the ependymal fate decision downstream of GemC1. Cell reports, 41(11), 111810.

Bakken TE, et al. (2021) Comparative cellular analysis of motor cortex in human, marmoset and mouse. Nature, 598(7879), 111.

Yao Z, et al. (2021) A transcriptomic and epigenomic cell atlas of the mouse primary motor cortex. Nature, 598(7879), 103.

Mich JK, et al. (2021) Functional enhancer elements drive subclass-selective expression from mouse to primate neocortex. Cell reports, 34(13), 108754.

Graybuck LT, et al. (2021) Enhancer viruses for combinatorial cell-subclass-specific labeling. Neuron, 109(9), 1449.

Whitesell JD, et al. (2021) Regional, Layer, and Cell-Type-Specific Connectivity of the Mouse Default Mode Network. Neuron, 109(3), 545.

Yao Z, et al. (2021) A taxonomy of transcriptomic cell types across the isocortex and hippocampal formation. Cell, 184(12), 3222.

Lui JH, et al. (2021) Differential encoding in prefrontal cortex projection neuron classes across cognitive tasks. Cell, 184(2), 489.

Bhaduri A, et al. (2021) An atlas of cortical arealization identifies dynamic molecular signatures. Nature, 598(7879), 200.

Peng H, et al. (2021) Morphological diversity of single neurons in molecularly defined cell types. Nature, 598(7879), 174.