Resource Summary Report

Generated by NIF on May 28, 2025

Hipposeq

RRID:SCR_015730
Type: Tool

Proper Citation

Hipposeq (RRID:SCR_015730)

Resource Information

URL: http://hipposeq.janelia.org/

Proper Citation: Hipposeq (RRID:SCR_015730)

Description: Database of RNA-seq gene expression in hippocampal principal neurons. Hipposeq can analyze and visualize RNA-seq data for all excitatory cell populations in the hippocampus at multiple levels of granularity.

Synonyms: Hippocampus RNA-seq atlas

Resource Type: software resource, sequence analysis software, data analysis software, data processing software, data or information resource, database, web application, software application

Defining Citation: PMID:27113915

Keywords: rna seq, gene expression, sequencing, hippocampus, principal neuron

Funding: Howard Hughes Medical Institute

Availability: Freely available

Resource Name: Hipposeq

Resource ID: SCR_015730

Record Creation Time: 20220129T080327+0000

Record Last Update: 20250528T061257+0000

Ratings and Alerts

No rating or validation information has been found for Hipposeq.

No alerts have been found for Hipposeq.

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 NIF.

Anneser L, et al. (2024) Molecular organization of neuronal cell types and neuromodulatory systems in the zebrafish telencephalon. Current biology : CB, 34(2), 298.

Liakath-Ali K, et al. (2024) Cartography of teneurin and latrophilin expression reveals spatiotemporal axis heterogeneity in the mouse hippocampus during development. PLoS biology, 22(5), e3002599.

Banks E, et al. (2024) An enhancer-AAV approach selectively targeting dentate granule cells of the mouse hippocampus. Cell reports methods, 4(1), 100684.

Li Y, et al. (2024) Data-driven discovery of cell-type-directed network-correcting combination therapy for Alzheimer's disease. bioRxiv : the preprint server for biology.

Stevenson ME, et al. (2023) Neuronal activation of G?q EGL-30/GNAQ late in life rejuvenates cognition across species. Cell reports, 42(9), 113151.

Akol I, et al. (2023) Multimodal epigenetic changes and altered NEUROD1 chromatin binding in the mouse hippocampus underlie FOXG1 syndrome. Proceedings of the National Academy of Sciences of the United States of America, 120(2), e2122467120.

Wild AR, et al. (2022) Exploring the expression patterns of palmitoylating and de-palmitoylating enzymes in the mouse brain using the curated RNA-seq database BrainPalmSeq. eLife, 11.

Petersen PC, et al. (2021) CellExplorer: A framework for visualizing and characterizing single neurons. Neuron, 109(22), 3594.

Maioli S, et al. (2021) Estrogen receptors and the aging brain. Essays in biochemistry, 65(6), 913.

Qiu WQ, et al. (2021) The Sez6 Family Inhibits Complement by Facilitating Factor I

Cleavage of C3b and Accelerating the Decay of C3 Convertases. Frontiers in immunology, 12, 607641.

Sanchez-Aguilera A, et al. (2021) An update to Hippocampome.org by integrating single-cell phenotypes with circuit function in vivo. PLoS biology, 19(5), e3001213.

Kerloch T, et al. (2021) The atypical Rho GTPase Rnd2 is critical for dentate granule neuron development and anxiety-like behavior during adult but not neonatal neurogenesis. Molecular psychiatry, 26(12), 7280.

Birt IA, et al. (2021) Genetic Liability for Internalizing Versus Externalizing Behavior Manifests in the Developing and Adult Hippocampus: Insight From a Meta-analysis of Transcriptional Profiling Studies in a Selectively Bred Rat Model. Biological psychiatry, 89(4), 339.

Lathe R, et al. (2020) The interoceptive hippocampus: Mouse brain endocrine receptor expression highlights a dentate gyrus (DG)-cornu ammonis (CA) challenge-sufficiency axis. PloS one, 15(1), e0227575.

Chen R, et al. (2020) The Spatial and Cell-Type Distribution of SARS-CoV-2 Receptor ACE2 in the Human and Mouse Brains. Frontiers in neurology, 11, 573095.

Apóstolo N, et al. (2020) Synapse type-specific proteomic dissection identifies IgSF8 as a hippocampal CA3 microcircuit organizer. Nature communications, 11(1), 5171.

Li J, et al. (2019) Application of Computational Biology to Decode Brain Transcriptomes. Genomics, proteomics & bioinformatics, 17(4), 367.

Flood L, et al. (2019) Interferon-? potentiates GABAA receptor-mediated inhibitory currents in rat hippocampal CA1 pyramidal neurons. Journal of neuroimmunology, 337, 577050.

Evans MC, et al. (2018) Carbamazepine-induced suppression of repetitive firing in CA1 pyramidal neurons is greater in the dorsal hippocampus than the ventral hippocampus. Epilepsy research, 145, 63.

Mladenova D, et al. (2018) Adar3 Is Involved in Learning and Memory in Mice. Frontiers in neuroscience, 12, 243.