Resource Summary Report

Generated by RRID on Apr 11, 2025

GenePaint

RRID:SCR_003015
Type: Tool

Proper Citation

GenePaint (RRID:SCR_003015)

Resource Information

URL: http://www.genepaint.org

Proper Citation: GenePaint (RRID:SCR_003015)

Description: Digital atlas of gene expression patterns in developing and adult mouse. Several reference atlases are also available through this site. Expression patterns are determined by non-radioactive in situ hybridization on serial tissue sections. Sections are available from several developmental ages: E10.5, E14.5 (whole embryos), E15.5, P7 and P56 (brains only). To retrieve expression patterns, search by gene name, site of expression, GenBank accession number or sequence homology. For viewing expression patterns, GenePaint.org features virtual microscope tool that enables zooming into images down to cellular resolution.

Abbreviations: GenePaint.org

Synonyms: Atlas of Gene Expression Patterns in Mouse Embryo

Resource Type: database, reference atlas, data or information resource, expression atlas, atlas

Defining Citation: PMID:14681479, PMID:22936000

Keywords: gene expression, adult mouse, annotated, c57bl6, mouse, mouse embryo, mrna, non radioactive in situ hybridization, light microscopy, molecular neuroanatomy resource, in situ hybridization, embryonic, postnatal, adult, brain, head, annotation, rna probe, sequence, anatomical structure, FASEB list

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Resource Name: GenePaint

Resource ID: SCR_003015

Alternate IDs: nif-0000-00009, SCR_017526

Record Creation Time: 20220129T080216+0000

Record Last Update: 20250411T054821+0000

Ratings and Alerts

No rating or validation information has been found for GenePaint.

No alerts have been found for GenePaint.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 160 mentions in open access literature.

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

Han Y, et al. (2023) Identification of a GABAergic neural circuit governing leptin signaling deficiency-induced obesity. eLife, 12.

Rathjen FG, et al. (2023) The IgSF Cell Adhesion Protein CLMP and Congenital Short Bowel Syndrome (CSBS). International journal of molecular sciences, 24(6).

Li J, et al. (2021) Integrative genomic analysis of early neurogenesis reveals a temporal genetic program for differentiation and specification of preplate and Cajal-Retzius neurons. PLoS genetics, 17(3), e1009355.

Casanovas S, et al. (2020) Rbfox1 Is Expressed in the Mouse Brain in the Form of Multiple Transcript Variants and Contains Functional E Boxes in Its Alternative Promoters. Frontiers in molecular neuroscience, 13, 66.

Arimura N, et al. (2020) DSCAM regulates delamination of neurons in the developing midbrain. Science advances, 6(36).

DeSisto J, et al. (2020) Single-Cell Transcriptomic Analyses of the Developing Meninges Reveal Meningeal Fibroblast Diversity and Function. Developmental cell, 54(1), 43.

Ljungberg MC, et al. (2019) Spatial distribution of marker gene activity in the mouse lung during alveolarization. Data in brief, 22, 365.

Guerriero I, et al. (2019) Exploring the Molecular Crosstalk between Pancreatic Bud and Mesenchyme in Embryogenesis: Novel Signals Involved. International journal of molecular sciences, 20(19).

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

Ye B, et al. (2019) Opposing roles of TCF7/LEF1 and TCF7L2 in cyclin D2 and Bmp4 expression and cardiomyocyte cell cycle control during late heart development. Laboratory investigation; a journal of technical methods and pathology, 99(6), 807.

Wang Q, et al. (2019) De Novo Germline Mutations in SEMA5A Associated With Infantile Spasms. Frontiers in genetics, 10, 605.

Bonnefont J, et al. (2019) Cortical Neurogenesis Requires Bcl6-Mediated Transcriptional Repression of Multiple Self-Renewal-Promoting Extrinsic Pathways. Neuron, 103(6), 1096.

Quezada-Ramírez MA, et al. (2018) The Growth arrest specific 1 (Gas1) gene is transcriptionally regulated by NeuroD1 via two distal E-boxes. Experimental cell research, 363(2), 332.

Sokpor G, et al. (2018) ATP-Dependent Chromatin Remodeling During Cortical Neurogenesis. Frontiers in neuroscience, 12, 226.

Burn SF, et al. (2018) Postimplantation Mga expression and embryonic lethality of two gene-trap alleles. Gene expression patterns : GEP, 27, 31.

Bogutz AB, et al. (2018) Transcription factor ASCL2 is required for development of the glycogen trophoblast cell lineage. PLoS genetics, 14(8), e1007587.

Grassi E, et al. (2018) Choice of Alternative Polyadenylation Sites, Mediated by the RNA-Binding Protein Elavl3, Plays a Role in Differentiation of Inhibitory Neuronal Progenitors. Frontiers in cellular neuroscience, 12, 518.

Ashbrook DG, et al. (2018) Post-genomic behavioral genetics: From revolution to routine. Genes, brain, and behavior, 17(3), e12441.

Ehrlich AT, et al. (2018) Expression map of 78 brain-expressed mouse orphan GPCRs provides a translational resource for neuropsychiatric research. Communications biology, 1,

102.

Murphy P, et al. (2018) Light-focusing human micro-lenses generated from pluripotent stem cells model lens development and drug-induced cataract in vitro. Development (Cambridge, England), 145(1).