Resource Summary Report

Generated by NIF on Apr 8, 2025

Drop-seq tools

RRID:SCR_018142
Type: Tool

Proper Citation

Drop-seq tools (RRID:SCR_018142)

Resource Information

URL: https://github.com/broadinstitute/Drop-seq

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Description: Software Java tools for analyzing Drop-seq data. Used to analyze gene expression from thousands of individual cells simultaneously. Analyzes mRNA transcripts while remembering origin cell transcript.

Synonyms: Droplet sequencing tools, Droplet sequencing data analysis software tools

Resource Type: software resource, software application, data analysis software, data processing software

Defining Citation: PMID:26000488

Keywords: Simultaneous analysis, Drop-seq data, gene expression, thousands individual cells

Funding: Stanley Center for Psychiatric Research ;
MGH Psychiatry Residency Research Program ;
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NHGRI P50 HG006193;
Klarman Cell Observatory ;
NIMH U01 MH105960;
NIMH R25 MH094612;
NICHD F32 HD075541;
NSF ECS 0335765;

NSF DMR 1310266;
NSF DMR 1420570

Resource Name: Drop-seq tools

Resource ID: SCR_018142

Alternate URLs: https://sources.debian.org/src/drop-seq-tools/

License: MIT License

Record Creation Time: 20220129T080338+0000

Record Last Update: 20250407T220445+0000

Ratings and Alerts

No rating or validation information has been found for Drop-seq tools.

No alerts have been found for Drop-seq tools.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 84 mentions in open access literature.

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

Zhao C, et al. (2025) A comprehensive human embryo reference tool using single-cell RNA-sequencing data. Nature methods, 22(1), 193.

Krause R, et al. (2024) B cell heterogeneity in human tuberculosis highlights compartment-specific phenotype and functional roles. Communications biology, 7(1), 584.

Yin K, et al. (2024) Dyna-vivo-seq unveils cellular RNA dynamics during acute kidney injury via in vivo metabolic RNA labeling-based scRNA-seq. Nature communications, 15(1), 9866.

Schott M, et al. (2024) Protocol for high-resolution 3D spatial transcriptomics using Open-ST. STAR protocols, 6(1), 103521.

Paquette SE, et al. (2024) Loss of developmentally derived Irf8+ macrophages promotes hyperinnervation and arrhythmia in the adult zebrafish heart. bioRxiv : the preprint server for biology.

Ziegler CGK, et al. (2024) An enhanced IL17 and muted type I interferon nasal epithelial cell state characterizes severe COVID-19 with fungal coinfection. Microbiology spectrum, 12(6), e0351623.

Wegmann R, et al. (2024) Molecular and functional landscape of malignant serous effusions for precision oncology. Nature communications, 15(1), 8544.

Aikawa S, et al. (2024) Spatiotemporally distinct roles of cyclooxygenase-1 and cyclooxygenase-2 at fetomaternal interface in mice. JCI insight, 9(19).

Ling E, et al. (2024) Concerted neuron-astrocyte gene expression declines in aging and schizophrenia. bioRxiv : the preprint server for biology.

Auvinen P, et al. (2024) Genome-wide DNA methylation and gene expression in human placentas derived from assisted reproductive technology. Communications medicine, 4(1), 267.

Gupta S, et al. (2024) Systems genomics of salinity stress response in rice. bioRxiv : the preprint server for biology.

Fishman L, et al. (2024) Cell-type-specific mRNA transcription and degradation kinetics in zebrafish embryogenesis from metabolically labeled single-cell RNA-seq. Nature communications, 15(1), 3104.

Ling E, et al. (2024) A concerted neuron-astrocyte program declines in ageing and schizophrenia. Nature, 627(8004), 604.

Nardone S, et al. (2024) A spatially-resolved transcriptional atlas of the murine dorsal pons at single-cell resolution. Nature communications, 15(1), 1966.

Li J, et al. (2024) Comprehensive single-cell atlas of the mouse retina. iScience, 27(6), 109916.

Tighe RM, et al. (2024) Altered ontogeny and transcriptomic signatures of tissue-resident pulmonary interstitial macrophages ameliorate allergic airway hyperresponsiveness. Frontiers in immunology, 15, 1371764.

Bosch M, et al. (2024) A liver immune rheostat regulates CD8 T cell immunity in chronic HBV infection. Nature, 631(8022), 867.

Li J, et al. (2024) Comprehensive single-cell atlas of the mouse retina. bioRxiv : the preprint server for biology.

Del Rosario RCH, et al. (2023) Sibling chimerism among microglia in marmosets. bioRxiv : the preprint server for biology.

Nardone S, et al. (2023) A spatially-resolved transcriptional atlas of the murine dorsal pons at single-cell resolution. bioRxiv : the preprint server for biology.