

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 28, 2026

kallisto

RRID:SCR_016582

Type: Tool

Proper Citation

kallisto (RRID:SCR_016582)

Resource Information

URL: <https://pachterlab.github.io/kallisto/about>

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Description: Software tool for quantifying abundances of transcripts from RNA-Seq data or target sequences using high-throughput sequencing reads.

Synonyms: kallisto v0.43.1

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

Defining Citation: [PMID:27043002](https://pubmed.ncbi.nlm.nih.gov/27043002/)

Keywords: bio.tools

Availability: Free, Available for download, Freely available

Resource Name: kallisto

Resource ID: SCR_016582

Alternate IDs: biotools:kallisto

Alternate URLs: <https://pachterlab.github.io/kallisto/download.html>,
<https://bio.tools/kallisto>, <https://sources.debian.org/src/kallisto/>

License: BSD 2-Clause License

Record Creation Time: 20220129T080331+0000

Record Last Update: 20260728T043519+0000

Ratings and Alerts

No rating or validation information has been found for kallisto.

No alerts have been found for kallisto.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 127 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Jinnou H, et al. (2025) Outer radial glia promotes white matter regeneration after neonatal brain injury. *Cell reports. Medicine*, 6(3), 101986.

Kim D, et al. (2025) Gut microbiome remodeling provides protection from an environmental toxin. *iScience*, 28(4), 112209.

Gowen BG, et al. (2025) Systematic identification and characterization of high efficiency Cas9 guide RNAs for therapeutic targeting of ADAR. *PloS one*, 20(2), e0317745.

Gouirand V, et al. (2025) Layilin regulates Treg motility and suppressive capacity in skin. *eLife*, 14.

Fimiani C, et al. (2025) The E3 ubiquitin ligase Nedd4 fosters developmental myelination in the mouse central and peripheral nervous system. *Glia*, 73(2), 422.

Hoffmann J, et al. (2025) Steatohepatitis-induced vascular niche alterations promote melanoma metastasis. *Cancer & metabolism*, 13(1), 5.

Stachelek K, et al. (2025) Chevreul: an R bioconductor package for exploratory analysis of full-length single cell sequencing. *GigaByte (Hong Kong, China)*, 2025, gigabyte158.

Mostajo-Radji MA, et al. (2025) Fate plasticity of interneuron specification. *iScience*, 28(4), 112295.

Figuerola-Bou E, et al. (2025) KDM6 Demethylases Contribute to EWSR1::FLI1-Driven Oncogenic Reprogramming in Ewing Sarcoma. *Cancer research*, 85(22), 4485.

Chiaro PD, et al. (2025) A framework to mine laser microdissection-based omics data and uncover regulators of pancreatic cancer heterogeneity. *GigaScience*, 14.

Koury J, et al. (2025) EphB2-mediated ephrin-B reverse signaling on microglia drives an anti-viral, but inflammatory and neurotoxic response associated with HIV. *Journal of neuroinflammation*, 22(1), 171.

Wierbi?owicz K, et al. (2025) Parp7 generates an ADP-ribosyl degron that controls negative feedback of androgen signaling. *The EMBO journal*, 44(17), 4720.

Berger AH, et al. (2025) High-resolution transcriptional impact of AIRE: effects of pathogenic variants p.Arg257Ter, p.Cys311Tyr, and polygenic risk variant p.Arg471Cys. *Frontiers in immunology*, 16, 1572789.

Kobayashi H, et al. (2025) Neuro-Mesenchymal Interaction Mediated by a α 2-Adrenergic Nerve Growth Factor Feedforward Loop Promotes Colorectal Cancer Progression. *Cancer discovery*, 15(1), 202.

Khan N, et al. (2025) Human Papillomavirus Integration Induces Oncogenic Host Gene Fusions in Oropharyngeal Cancers. *Cancer discovery*, 15(9), 1927.

Villacampa N, et al. (2025) Proliferating Microglia Exhibit Unique Transcriptional and Functional Alterations in Alzheimer's Disease. *ASN neuro*, 17(1), 2506406.

Sol Ruiz M, et al. (2025) Genetic characterization of pediatric B-cell acute lymphoblastic leukemia in Argentina uncovers molecular heterogeneity and novel variants. *Frontiers in pharmacology*, 16, 1701680.

Arafa AT, et al. (2025) Germline-Somatic Interactions in BRCA-Associated Cancers: Unique Molecular Profiles and Clinical Outcomes Linking ATM to TP53 Synthetic Essentiality. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(9), 1730.

Stupichev D, et al. (2025) AI-driven multimodal algorithm predicts immunotherapy and targeted therapy outcomes in clear cell renal cell carcinoma. *Cell reports. Medicine*, 6(8), 102299.

Buermann LE, et al. (2025) CD27 Agonist Antibodies Mediate Clinical Responses through Intratumoral Stimulation in B-cell Malignancies: Multicenter RiVa Trial. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(22), 4664.