

Resource Summary Report

Generated by [ASWG](#) on Aug 4, 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 resource, data processing software, software application, 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: 20260804T043630+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 [ASWG](#).

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

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

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.

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.

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

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

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.

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

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.

Strasser MK, et al. (2025) Concerted changes in Epithelium and Stroma: a multi-scale, multi-omics analysis of progression from Barrett's Esophagus to adenocarcinoma. Developmental cell.