

Resource Summary Report

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Salmon

RRID:SCR_017036

Type: Tool

Proper Citation

Salmon (RRID:SCR_017036)

Resource Information

URL: <https://combine-lab.github.io/salmon/>

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Description: Software tool for quantifying expression of transcripts using RNA-seq data. Provides fast and bias-aware quantification of transcript expression. Transcriptome-wide quantifier to correct for fragment GC-content bias.

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

Defining Citation: [PMID:28263959](#)

Keywords: quantifying, expression, transcript, RNAseq, data, correct, fragment, GC, content, bias

Funding: Gordon and Betty Moore Foundation Data-Driven Discovery Initiative ;
NHGRI R21 HG006913;
NHGRI R01 HG007104;
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NCI T32 CA009337;
NHGRI R01 HG005220;
NSF BIO-1564917;
NSF CCF-1256087;
NSF CCF-1053918;
NSF EF-0849899

Availability: Free, Available for download, Freely available

Resource Name: Salmon

Resource ID: SCR_017036

Alternate IDs: OMICS_09075

Alternate URLs: <https://github.com/COMBINE-lab/salmon>,
<https://sources.debian.org/src/salmon/>

License: GNU GPL 3

Record Creation Time: 20220129T080333+0000

Record Last Update: 20260728T043529+0000

Ratings and Alerts

No rating or validation information has been found for Salmon.

No alerts have been found for Salmon.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 357 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

Herbrich S, et al. (2026) TET2-mutant clonal hematopoiesis enhances macrophage antigen presentation and improves immune checkpoint therapy in solid tumors. Cancer cell, 44(1), 187.

Domingo J, et al. (2026) Nonlinear transcriptional responses to gradual modulation of transcription factor dosage. eLife, 13.

Lu G, et al. (2026) In vivo detection of immune responses via cytokine activity labeling. Cell.

Wang D, et al. (2025) Selective GSK3?? Inhibition Promotes Self-Renewal Across Different Stem Cell States. bioRxiv : the preprint server for biology.

Wisniewski DJ, et al. (2025) Dual inhibition of EGFR and PI3Kinase signaling in EGFR amplified triple negative breast cancer cells induces apoptosis and reduces tumor growth. bioRxiv : the preprint server for biology.

Ortiz R, et al. (2025) Skin transcriptomics of invasive Coqui frogs: stress responses, parasite signatures, and antimicrobial peptides. PloS one, 20(7), e0328623.

Luna Buitrago D, et al. (2025) The loss of microRNA-26b promotes aortic calcification through the regulation of cell-specific target genes. Cardiovascular research, 121(11), 1778.

- Ghani H, et al. (2025) GPSai: A Clinically Validated AI Tool for Tissue of Origin Prediction during Routine Tumor Profiling. *Cancer research communications*, 5(9), 1477.
- 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.
- Li L, et al. (2025) Isolation, characterization, and genomic analysis of a novel phage WSPA with lytic activity against *Serratia marcescens*. *Microbiology spectrum*, 13(9), e0271624.
- McLaurin DM, et al. (2025) A Novel Role for Coilin in Vertebrate Innate Immunity. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(8), e70580.
- Podda MS, et al. (2025) Landscape of BRAF transcript variants in human cancer. *Molecular oncology*, 19(9), 2700.
- Longo M, et al. (2025) Oral lipoteichoic and lipoic acids improve insulin resistance and body composition in porphyria mice on a high-carbohydrate diet. *Journal of physiology and biochemistry*, 81(4), 1077.
- Feng G, et al. (2025) InsP3R signaling mediates mitochondrial stress-induced longevity through actomyosin-dependent mitochondrial dynamics. *bioRxiv : the preprint server for biology*.
- Ortega-Bertran S, et al. (2025) Triple Combination of MEK, BET, and CDK Inhibitors Significantly Reduces Human Malignant Peripheral Nerve Sheath Tumors in Mouse Models. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(5), 907.
- Bello-Perez M, et al. (2025) Gene Expression Profiles Reveal Distinct Mechanisms Driving Chronic Obstructive Pulmonary Disease Exacerbations. *International journal of molecular sciences*, 26(2).
- Stickland BA, et al. (2025) The specificity of CTBP dehydrogenase inhibitors MTOB and 4-Cl-HIPP. *microPublication biology*, 2025.
- Liu F, et al. (2025) Integrated analysis of single-cell and bulk transcriptomics reveals cellular subtypes and molecular features associated with osteosarcoma prognosis. *BMC cancer*, 25(1), 280.
- Li G, et al. (2025) Molecular basis of circadian rhythm divergence between diurnal and nocturnal lepidopterans. *iScience*, 28(4), 112206.
- Strickland BA, et al. (2025) C-terminal binding protein 2 interacts with JUNB to control macrophage inflammation. *Life science alliance*, 8(8).