

Resource Summary Report

Generated by [NIF](#) on Aug 9, 2026

[RNA-SeQC](#)

RRID:SCR_005120

Type: Tool

Proper Citation

RNA-SeQC (RRID:SCR_005120)

Resource Information

URL: <http://www.broadinstitute.org/cancer/cga/rna-seqc>

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Description: Java software which computes a series of quality control metrics for RNA-seq data and can compare sequencing quality across different samples or experiments to evaluate different experimental parameters. The input can be one or more BAM files, and the output consists of HTML reports and tab delimited files of metrics data.

Abbreviations: RNA-SeQC

Resource Type: software resource

Defining Citation: [PMID:22539670](#)

Keywords: java, bam file, html, sequence comparison, rnaseq, rna sequence, bio.tools

Availability: Acknowledgement requested, Public

Resource Name: RNA-SeQC

Resource ID: SCR_005120

Alternate IDs: biotools:rna-seqc, OMICS_01234

Alternate URLs: <https://bio.tools/rna-seqc>

Record Creation Time: 20220129T080228+0000

Record Last Update: 20260808T185833+0000

Ratings and Alerts

No rating or validation information has been found for RNA-SeQC.

No alerts have been found for RNA-SeQC.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 214 mentions in open access literature.

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

Gobeil ??, et al. (2026) Integrative genetic and liver transcriptomic analyses identify TRIB1AL as a target for steatotic liver disease. The Journal of clinical endocrinology and metabolism, 111(7), 1980.

Chen L, et al. (2026) Genetic control of non-coding RNAs in the human brain and their implications for complex traits. American journal of human genetics, 113(1), 149.

Wang Y, et al. (2026) The 1000 Chinese Pangenome empowers medical and population genetics. Nature, 654(8117), 121.

Yan C, et al. (2026) RAS/MEK/PI3K pathway inhibition augments response to CD40 agonism by targeting CD11b+ Bregs thereby overcoming melanoma PD1-resistance. Nature communications, 17(1), 162.

Esmaeili M, et al. (2026) Distinct regulatory elements of SLC6A14 expression contribute to modification of cystic fibrosis phenotypes. Human genetics, 145(1), 8.

Peymani F, et al. (2026) Pleiotropic effects of MORC2 derive from its epigenetic signature. Brain : a journal of neurology, 149(1), 163.

Segers A, et al. (2026) saseR: juggling offsets unlocks RNA-seq tools for fast and scalable differential usage, aberrant splicing and expression retrieval. Genome biology, 27(1).

Chen J, et al. (2026) G9a-mediated H3K9me2 orchestrates intestinal epithelial regeneration through epigenetic silencing of cell cycle-related genes. Nature communications, 17(1).

Lorenz K, et al. (2026) Tonsillar expression quantitative trait loci verify and expand genetic contributors to childhood atopic diseases. bioRxiv : the preprint server for biology.

Sampson J, et al. (2026) Paired DNA and RNA sequencing uncovers common and rare variation regulating human retinal gene expression. Nature communications, 17(1).

Varandas KC, et al. (2025) Glia detect and transiently protect against dendrite substructure disruption in C. elegans. Nature communications, 16(1), 79.

Jensen TD, et al. (2025) Integration of transcriptomics and long-read genomics prioritizes structural variants in rare disease. *Genome research*, 35(4), 914.

Getachew H, et al. (2025) The RNA content of extracellular vesicles from gene-edited PRPF31 +/- hiPSC-RPE show potential as biomarkers of retinal degeneration. *Molecular therapy. Methods & clinical development*, 33(2), 101452.

Luca E, et al. (2025) Revealing heterogeneity and damage response in the adult human utricle. *Nature communications*, 17(1), 9.

Loughland JR, et al. (2025) Age is an intrinsic driver of inflammatory responses to malaria. *Nature communications*, 16(1), 8665.

Castel SE, et al. (2025) A map of blood regulatory variation in South Africans enables GWAS interpretation. *Nature genetics*, 57(7), 1628.

Rogers KA, et al. (2025) Addition of Ianalumab (VAY736) to Ibrutinib in Patients with Chronic Lymphocytic Leukemia on Ibrutinib Therapy: Results from a Phase Ib Study. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(24), 5145.

Avadhanula V, et al. (2025) Longitudinal host transcriptional responses to SARS-CoV-2 infection in adults with extremely high viral load. *PloS one*, 20(1), e0317033.

Jiang Y, et al. (2025) Multiomics integration prioritizes potential drug targets for multiple sclerosis. *Proceedings of the National Academy of Sciences of the United States of America*, 122(26), e2425537122.

Awany D, et al. (2025) Comparison of automated and manual mRNA enrichment to automated rRNA depletion for whole-blood RNA-sequencing. *Scientific reports*, 16(1), 3156.