Resource Summary Report

Generated by T1D on Aug 1, 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

Proper Citation: RNA-SeQC (RRID:SCR_005120)

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: 20260725T190559+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 203 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

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

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.

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

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

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

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.

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

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

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.

Brumage L, et al. (2025) In vivo functional screens reveal KEAP1 loss as a driver of chemoresistance in small cell lung cancer. Science advances, 11(17), eadq7084.

Buschur KL, et al. (2025) Hair follicle gene expression profiling in the SubPopulations and InteRmediate Outcome Measures in COPD Study (SPIROMICS). BMC medical genomics, 18(1), 192.

Solovyov A, et al. (2025) Pan-cancer multi-omic model of LINE-1 activity reveals locus heterogeneity of retrotransposition efficiency. Nature communications, 16(1), 2049.

Song Y, et al. (2025) Microbiota-derived H2S induces c-kit+ cDC1 autophagic cell death and liver inflammation in metabolic dysfunction-associated steatohepatitis. Nature communications, 16(1), 2222.

Su Y, et al. (2025) CD47-blocking antibody confers metabolic benefits against obesity. Cell reports. Medicine, 6(5), 102089.

Sek K, et al. (2025) Tumor??site-directed A1R expression enhances CAR T cell function and improves efficacy against solid tumors. Nature communications, 16(1), 6123.

Dai Y, et al. (2025) PPP2R1A mutations portend improved survival after cancer immunotherapy. Nature, 644(8076), 537.

Sakthivelu V, et al. (2025) Functional synapses between neurons and small cell lung cancer. Nature, 646(8087), 1243.

Denault WRP, et al. (2025) fSuSiE enables fine-mapping of QTLs from genome-scale molecular profiles. bioRxiv : the preprint server for biology.

, et al. (2025) Comprehensive benchmarking of somatic mutation detection by the SMaHT Network. bioRxiv : the preprint server for biology.