

Resource Summary Report

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RSeQC

RRID:SCR_005275

Type: Tool

Proper Citation

RSeQC (RRID:SCR_005275)

Resource Information

URL: <http://code.google.com/p/rseqc/>

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Description: Software package to comprehensively evaluate different aspects of RNA-seq experiments, such as sequence quality, GC bias, polymerase chain reaction bias, nucleotide composition bias, sequencing depth, strand specificity, coverage uniformity and read distribution over the genome structure. RSeQC takes both SAM and BAM files as input, which can be produced by most RNA-seq mapping tools as well as BED files, which are widely used for gene models.

Abbreviations: RSeQC

Synonyms: rseqc - RNA-seq quality control package

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

Defining Citation: [PMID:22743226](#)

Keywords: python, qc, rna-seq, high throughput sequencing

Resource Name: RSeQC

Resource ID: SCR_005275

Alternate IDs: OMICS_01235

Record Creation Time: 20220129T080229+0000

Record Last Update: 20260801T190258+0000

Ratings and Alerts

No rating or validation information has been found for RSeQC.

No alerts have been found for RSeQC.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1302 mentions in open access literature.

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

He L, et al. (2026) High-Resolution Multiplexed Sequencing of Single-Cell Full-length Transcriptome Via Combinational Barcoded Tn5 Transposon Insertion. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(1), e16013.

Goel S, et al. (2025) A Phase II Study of Abemaciclib for Patients with Retinoblastoma-Positive, Metastatic Triple-Negative Breast Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(8), 1427.

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.

Engleberg AI, et al. (2025) Transcriptome Analysis of Canine Histiocytic Sarcoma Tumors and Cell Lines Reveals Multiple Targets for Therapy. *Cancers*, 17(6).

Hou Z, et al. (2025) Tertiary lymphoid structure-related RNA indicator as metastasis risk factor in nasopharyngeal carcinoma. *Clinical and translational medicine*, 15(12), e70539.

Liu Z, et al. (2025) Transcriptomic and microenvironment characteristics of triple-negative breast cancer under three different neoadjuvant treatment regimens. *Breast cancer research and treatment*.

Badurdeen DS, et al. (2025) Dysregulated intestinal nutrient absorption in obesity is associated with epigenomic alterations in epithelia. *bioRxiv : the preprint server for biology*.

Geng J, et al. (2025) Role of nasal microbiota in regulating host anti-influenza immunity in dogs. *Microbiome*, 13(1), 27.

Kurzeder C, et al. (2025) Digoxin for reduction of circulating tumor cell cluster size in metastatic breast cancer: a proof-of-concept trial. *Nature medicine*, 31(4), 1120.

Vinkel J, et al. (2025) Blood from septic patients with necrotising soft tissue infection treated with hyperbaric oxygen reveal different gene expression patterns compared to standard treatment. *BMC medical genomics*, 18(1), 12.

Lou L, et al. (2025) Periostin-mediated NOTCH1 activation between tumor cells and HSCs crosstalk promotes liver metastasis of small cell lung cancer. *Journal of experimental & clinical cancer research* : CR, 44(1), 6.

Orekhov AN, et al. (2025) Features of Gene Regulation in Violation of the Inflammatory Response of Monocyte-like Cells Bearing Mitochondrial Mutations Associated with Atherosclerosis. *Current medicinal chemistry*, 32(15), 2992.

Potter RS, et al. (2025) Ablation of VEGFA following a lumbar intervertebral disc injury attenuates intradiscal neurovascular features and prevents chronic low back pain symptoms. *bioRxiv* : the preprint server for biology.

Soku YK, et al. (2025) Feed status and skin injury modulate immunopathology, global gene expression, and survival in channel catfish during virulent *Aeromonas hydrophila* infection. *Frontiers in immunology*, 16, 1642531.

Ma H, et al. (2025) ZntR is a critical regulator for zinc homeostasis and involved in pathogenicity in *Riemerella anatipestifer*. *Microbiology spectrum*, 13(4), e0317824.

Patte C, et al. (2025) Comprehensive molecular portrait reveals genetic diversity and distinct molecular subtypes of small intestinal neuroendocrine tumors. *Nature communications*, 16(1), 2197.

Li ZL, et al. (2025) NSUN2-mediated HCV RNA m5C Methylation Facilitates Viral RNA Stability and Replication. *Genomics, proteomics & bioinformatics*, 23(1).

Young JA, et al. (2025) The 20 kDa isoform of the human growth hormone variant alters adipose and muscle gene expression differently than human growth hormone. *Journal of neuroendocrinology*, 37(12), e70059.

Gonzalez CE, et al. (2025) Degenerating intervertebral discs in the streptozotocin-high-fat diet model of type 2 diabetes show extensive inflammation. *Disease models & mechanisms*, 18(11).

Simões-Sousa S, et al. (2025) ARID1A stabilizes non-homologous end joining factors at DNA breaks induced by the G4 ligand pyridostatin. *Cell reports*, 44(9), 116277.