

Resource Summary Report

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QoRTs

RRID:SCR_018665

Type: Tool

Proper Citation

QoRTs (RRID:SCR_018665)

Resource Information

URL: <https://hartleys.github.io/QoRTs/>

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Description: Software package for quality control and data processing of RNA-Seq experiments. Software portable multifunction toolkit for assisting in analysis, quality control, and data management of RNA-Seq and DNA-Seq datasets. Used for detection and identification of errors, biases, and artifacts produced by high throughput sequencing technology. Can be used in operating system that supports Java and R.

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

Defining Citation: [PMID:26187896](#)

Keywords: Quality control, data processing, RNAseq data, DNaseq data, analysis, data management, error detection, biases, artifacts, high throughput sequencing technology,

Funding: NHGRI

Availability: Free, Freely available

Resource Name: QoRTs

Resource ID: SCR_018665

Alternate URLs: <https://github.com/hartleys/QoRTs>

Record Creation Time: 20220129T080341+0000

Record Last Update: 20260729T044447+0000

Ratings and Alerts

No rating or validation information has been found for QoRTs.

No alerts have been found for QoRTs.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

Arafat M, et al. (2025) Identification of RNA binding proteins that mediate a quality control mechanism of splicing. *bioRxiv : the preprint server for biology*.

Mesropian A, et al. (2025) E7386 Enhances Lenvatinib's Antitumor Activity in Preclinical Models and Human Hepatocellular Carcinoma. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(23), 5037.

Lobov A, et al. (2025) Similar, but not the same: multiomics comparison of human valve interstitial cells and osteoblast osteogenic differentiation expanded with an estimation of data-dependent and data-independent PASEF proteomics. *GigaScience*, 14.

Wei SM, et al. (2024) Altered pubertal timing in 7q11.23 copy number variations and associated genetic mechanisms. *iScience*, 27(3), 109113.

Alvarez-Martinez M, et al. (2024) Blimp-1 and c-Maf regulate immune gene networks to protect against distinct pathways of pathobiont-induced colitis. *Nature immunology*, 25(5), 886.

Semenov DV, et al. (2023) Transcriptome Changes in Glioma Cells upon Infection with the Oncolytic Virus VV-GMCSF-Lact. *Cells*, 12(22).

Johari M, et al. (2022) Comprehensive transcriptomic analysis shows disturbed calcium homeostasis and deregulation of T lymphocyte apoptosis in inclusion body myositis. *Journal of neurology*, 269(8), 4161.

Savinovskaya YI, et al. (2022) Human Blood Extracellular Vesicles Activate Transcription of NF- κ B-Dependent Genes in A549 Lung Adenocarcinoma Cells. *Current issues in molecular biology*, 44(12), 6028.

Holland DO, et al. (2022) Characterization and clustering of kinase isoform expression in metastatic melanoma. *PLoS computational biology*, 18(5), e1010065.

Shefer K, et al. (2022) A novel role for nucleolin in splice site selection. *RNA biology*, 19(1), 333.

Dymova MA, et al. (2022) MicroRNA and mRNA Expression Changes in Glioblastoma Cells Cultivated under Conditions of Neurosphere Formation. *Current issues in molecular biology*, 44(11), 5294.

Larionova I, et al. (2022) PFKFB3 overexpression in monocytes of patients with colon but not rectal cancer programs pro-tumor macrophages and is indicative for higher risk of tumor relapse. *Frontiers in immunology*, 13, 1080501.

Navia-Pelaez JM, et al. (2021) Normalization of cholesterol metabolism in spinal microglia alleviates neuropathic pain. *The Journal of experimental medicine*, 218(7).

Weiss T, et al. (2021) Schwann cell plasticity regulates neuroblastic tumor cell differentiation via epidermal growth factor-like protein 8. *Nature communications*, 12(1), 1624.

Postler TS, et al. (2021) Metformin selectively dampens the acute inflammatory response through an AMPK-dependent mechanism. *Scientific reports*, 11(1), 18721.

Lin S, et al. (2021) Integrative Analysis of Transcriptome and Metabolome Reveals Salt Stress Orchestrating the Accumulation of Specialized Metabolites in *Lycium barbarum* L. Fruit. *International journal of molecular sciences*, 22(9).

Jiménez-Saucedo T, et al. (2021) Translational control of gene expression by eIF2 modulates proteostasis and extends lifespan. *Aging*, 13(8), 10989.

Kvešták D, et al. (2021) NK/ILC1 cells mediate neuroinflammation and brain pathology following congenital CMV infection. *The Journal of experimental medicine*, 218(5).

Patysheva M, et al. (2021) Effect of Early-Stage Human Breast Carcinoma on Monocyte Programming. *Frontiers in oncology*, 11, 800235.

Kundariya H, et al. (2020) MSH1-induced heritable enhanced growth vigor through grafting is associated with the RdDM pathway in plants. *Nature communications*, 11(1), 5343.