

Resource Summary Report

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FastQC

RRID:SCR_014583

Type: Tool

Proper Citation

FastQC (RRID:SCR_014583)

Resource Information

URL: <http://www.bioinformatics.babraham.ac.uk/projects/fastqc/>

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Description: Quality control software that perform checks on raw sequence data coming from high throughput sequencing pipelines. This software also provides a modular set of analyses which can give a quick impression of the quality of the data prior to further analysis.

Synonyms: FastQC v0.11.5

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

Keywords: quality control, sequence data, sequencing, analysis, data quality, pipeline, raw sequence data, modular set, bio.tools

Availability: Open source, Available for download

Resource Name: FastQC

Resource ID: SCR_014583

Alternate IDs: biotools:fastqc, SCR_005539, OMICS_01043

Alternate URLs: <https://omictools.com/fastqc-tool>, <https://bio.tools/fastqc>, <https://sources.debian.org/src/fastqc/>

License: GPL v3

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260731T042912+0000

Ratings and Alerts

- Used for sequencing service by the Human Islet Research Network community. Contact(s): [Golnaz Vahedi](#), [Klaus Kaestner](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for FastQC.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 18745 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Morrissey RL, et al. (2026) Elucidating cooperative genetic events in DCIS progression in mutant p53-driven breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 123(2), e2526544123.

Barajas JM, et al. (2026) Tandem Duplications in UBTF Create XPO1-Dependent Nuclear Export Signals that Reveal a Leukemic Therapeutic Dependency. Blood cancer discovery, 7(1), 51.

Williams EC, et al. (2026) Expression of endogenous retroviral elements is associated with extracellular matrix remodeling in prostate cancer. Mobile DNA, 17(1), 1.

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

Dunn LN, et al. (2026) Altered hepatic metabolism in Down syndrome. Cell reports, 45(1), 116835.

Cappadona C, et al. (2026) Multi-omics identifies oxidative stress, prothrombotic pathways, and lactoperoxidase variants as key factors in COVID-19 severity. EBioMedicine, 123, 106111.

Wang R, et al. (2026) Constructing the spatiotemporal atlas of single-cell lineage trajectories in stereotypic biological structures. iScience, 29(1), 114307.

Kim H, et al. (2026) Myelin antigen capture in the CNS by B cells expressing EBV latent membrane protein 1 leads to demyelinating lesion formation. Cell.

Wang Y, et al. (2026) EGFR p.V774M/p. the S768I Compound Mutation in NSCLC Is a Good Prognostic Marker for IPHC- and Furmonertinib-Based Treatment: A Case Report. Cancer reports (Hoboken, N.J.), 9(1), e70444.

Rychlicka-Buniowska E, et al. (2026) Loss of Y chromosome in Alzheimer's patients co-occurs with somatic mutations beyond CHIP drivers. Life science alliance, 9(2).

Luo H, et al. (2026) Unveiling the Genetic Association Between Hemoglobin Concentration and Amyotrophic Lateral Sclerosis. *Brain and behavior*, 16(1), e71152.

Jiang D, et al. (2025) The telomere-to-telomere genome of flowering cherry (*Prunus campanulata*) reveals genomic evolution of the subgenus *Cerasus*. *GigaScience*, 14.

Laplante P, et al. (2025) Effect of MisMatch repair deficiency on metastasis occurrence in a syngeneic mouse model. *Neoplasia (New York, N.Y.)*, 62, 101145.

Wang K, et al. (2025) Exploring the Role of *Ccn3* in Type III Cell of Mice Taste Buds. *Journal of neurochemistry*, 169(1), e16291.

Miller CN, et al. (2025) A single-nuclei transcriptome census of the *Arabidopsis* maturing root identifies that MYB67 controls phellem cell maturation. *Developmental cell*, 60(9), 1377.

Sawant A, et al. (2025) Immune Checkpoint Blockade Delays Cancer Development and Extends Survival in DNA Polymerase Mutator Syndromes. *Cancer research*, 85(6), 1130.

Emmanuel T, et al. (2025) Early Neutrophil Activation in Psoriatic Skin at Relapse Following Dead Sea Climatotherapy. *Experimental dermatology*, 34(4), e70094.

Frolov A, et al. (2025) Microglia and CD8+ T cell activation precede neuronal loss in a murine model of spastic paraplegia 15. *The Journal of experimental medicine*, 222(7).

Carrillo-Carrasco VP, et al. (2025) Auxin and tryptophan trigger common responses in the streptophyte alga *Penium margaritaceum*. *Current biology : CB*, 35(9), 2078.

Sheng Y, et al. (2025) Impact of Subcutaneous Versus Orthotopic Implantations on Patient-Derived Xenograft Transcriptomic Profiles. *Cancer research communications*, 5(5), 871.