

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 analysis software, data management software, software resource, software application, data processing software

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: 20260728T043440+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 [nidm-terms](#) .

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.

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.

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

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

Garsmeur O, et al. (2025) The genomic footprints of wild *Saccharum* species trace domestication, diversification, and modern breeding of sugarcane. *Cell*, 188(25), 7252.

Mann FG, et al. (2025) Molecular and cellular characterization of planarian stem cell microenvironments. *Cell reports*, 44(10), 116401.

Figuerola-Bou E, et al. (2025) KDM6 Demethylases Contribute to EWSR1::FLI1-Driven Oncogenic Reprogramming in Ewing Sarcoma. *Cancer research*, 85(22), 4485.

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).

Morris VK, et al. (2025) Phase 1/2 trial of encorafenib, cetuximab, and nivolumab in microsatellite stable BRAFV600E metastatic colorectal cancer. *Cancer cell*.

Hilliam Y, et al. (2025) Induction of lipid A modification genes in *Pseudomonas aeruginosa* cells tolerant to a commercially available contact lens disinfection solution. *Journal of medical microbiology*, 74(9).