Resource Summary Report

Generated by <u>RRID</u> on May 1, 2025

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

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

Funding:

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: 20250501T081212+0000

Ratings and Alerts

 Used for sequencing service by the Human Islet Research Network community. Contact(s): <u>Golnaz Vahedi</u>, <u>Klaus Kaestner</u> - 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 18212 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>RRID</u>.

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

Wang C, et al. (2025) Transcriptomic profiling of osteoarthritis synovial macrophages reveals a tolerized phenotype compounded by a weak corticosteroid response. Rheumatology (Oxford, England), 64(2), 860.

Cipolla L, et al. (2025) Genomic epidemiology of invasive Group A Streptococcus infections in Argentina, 2023: high prevalence of emm1-global and detection of emm1 hypervirulent lineages. Microbiology spectrum, 13(1), e0131024.

Fu W, et al. (2025) Neurotensin-neurotensin receptor 2 signaling in adipocytes suppresses food intake through regulating ceramide metabolism. Cell research, 35(2), 117.

Ganguli P, et al. (2025) Context-dependent effects of CDKN2A and other 9p21 gene losses during the evolution of esophageal cancer. Nature cancer, 6(1), 158.

Negrete-Méndez H, et al. (2025) A Lambda-evo (?evo) phage platform for Zika virus EDIII protein display. Applied microbiology and biotechnology, 109(1), 8.

Shi Y, et al. (2025) Acquired resistance to PD-L1 inhibition enhances a type I IFN-regulated secretory program in tumors. EMBO reports, 26(2), 521.

Jiménez-Martín A, et al. (2025) Centromere positioning orchestrates telomere bouquet formation and the initiation of meiotic differentiation. Nature communications, 16(1), 837.

Irfan M, et al. (2025) RNA sequencing reveals key factors modulating TNF?-stimulated odontoblast-like differentiation of dental pulp stem cells. bioRxiv : the preprint server for biology.

Jiao D, et al. (2025) Gastric cancer genomics study using reference human pangenomes. Life science alliance, 8(4).

Da Silva AJ, et al. (2025) Nuclear talin-1 provides a bridge between cell adhesion and gene expression. iScience, 28(2), 111745.

Kyrgiafini MA, et al. (2025) Integrative Analysis of Whole-Genome and Transcriptomic Data Reveals Novel Variants in Differentially Expressed Long Noncoding RNAs Associated with Asthenozoospermia. Non-coding RNA, 11(1).

Paglione M, et al. (2025) Local translatome sustains synaptic function in impaired Wallerian degeneration. EMBO reports, 26(1), 61.

Shi J, et al. (2025) Identification of genes associated with sex expression and sex determination in hemp (Cannabis sativa L.). Journal of experimental botany, 76(1), 175.

Skuza L, et al. (2025) The First Complete Chloroplast Genome Sequence of Secale strictum subsp. africanum Stapf (Poaceae), the Putative Ancestor of the Genus Secale. Current issues in molecular biology, 47(1).

Otsuka N, et al. (2025) Small molecules and heat treatments reverse vernalization via epigenetic modification in Arabidopsis. Communications biology, 8(1), 108.

Sabença C, et al. (2025) Assessment of Antibiotic Resistance Among Isolates of Klebsiella spp. and Raoultella spp. in Wildlife and Their Environment from Portugal: A Positive Epidemiologic Outcome. Pathogens (Basel, Switzerland), 14(1).

Patil MP, et al. (2025) Complete Mitochondrial Genome of Niphon spinosus (Perciformes: Niphonidae): Genome Characterization and Phylogenetic Analysis. Biomolecules, 15(1).

De Leo I, et al. (2025) Transcriptomic-Based Identification of miR-125a Novel Targets in Human Hepatocarcinoma Cells. Biomolecules, 15(1).

Veytsel G, et al. (2025) Molecular epidemiology, evolution, and transmission dynamics of raccoon rabies virus in Connecticut. Virus evolution, 11(1), veae114.