Resource Summary Report

Generated by RRID on Sep 17, 2026

long-read-tools

RRID:SCR_019116
Type: Tool

Proper Citation

long-read-tools (RRID:SCR_019116)

Resource Information

URL: https://long-read-tools.org/

Proper Citation: long-read-tools (RRID:SCR_019116)

Description: Interactive database of software tools for analysis of long read sequencing data.Catalogue of long-read sequencing data analysis tools. Catalogue of downstream analysis tools of real and synthetic long-read technologies.

Synonyms: Long-Read-Tools, long-read-tools.org

Resource Type: data or information resource, database, software repository, software resource

Defining Citation: PMID:32033565

Keywords: Software tools collection, long read sequencing data, long read sequencing, data analysis, data analysis tools, bio.tools

Availability: Free, Freely available

Resource Name: long-read-tools

Resource ID: SCR_019116

Alternate IDs: biotools:long-read-tools

Alternate URLs: https://github.com/shaniAmare/long_read_tools, https://bio.tools/long-read-tools

License: MIT

Record Creation Time: 20220129T080343+0000

Record Last Update: 20260912T195910+0000

Ratings and Alerts

No rating or validation information has been found for long-read-tools.

No alerts have been found for long-read-tools.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Aliyev E, et al. (2026) A comprehensive assessment of tandem repeat genotyping methods for Nanopore long-read genomes. bioRxiv : the preprint server for biology.

Tafazoli A, et al. (2025) Leveraging long-read sequencing technologies for pharmacogenomic testing: applications, analytical strategies, challenges, and future perspectives. Frontiers in genetics, 16, 1435416.

Bhatia S, et al. (2025) Bioinformatics frameworks for single-cell long-read sequencing: unlocking isoform-level resolution. Briefings in bioinformatics, 26(6).

Szakállas N, et al. (2024) Can long-read sequencing tackle the barriers, which the next-generation could not? A review. Pathology oncology research : POR, 30, 1611676.

Deng CH, et al. (2023) Genotype and phenotype data standardization, utilization and integration in the big data era for agricultural sciences. Database : the journal of biological databases and curation, 2023.

Khan AS, et al. (2023) Report of the third conference on next-generation sequencing for adventitious virus detection in biologics for humans and animals. Biologicals : journal of the International Association of Biological Standardization, 83, 101696.

Brockley LJ, et al. (2023) Sequence-Based Platforms for Discovering Biomarkers in Liquid Biopsy of Non-Small-Cell Lung Cancer. Cancers, 15(8).

LoTempio J, et al. (2023) Benchmarking long-read genome sequence alignment tools for human genomics applications. PeerJ, 11, e16515.

White LK, et al. (2022) Modification mapping by nanopore sequencing. Frontiers in genetics, 13, 1037134.

Lüth T, et al. (2022) Benchmarking Low-Frequency Variant Calling With Long-Read Data on Mitochondrial DNA. Frontiers in genetics, 13, 887644.

Chen Z, et al. (2021) Application of third-generation sequencing in cancer research. Medical review (2021), 1(2), 150.

Amarasinghe SL, et al. (2021) long-read-tools.org: an interactive catalogue of analysis methods for long-read sequencing data. GigaScience, 10(2).

Jung H, et al. (2020) Twelve quick steps for genome assembly and annotation in the classroom. PLoS computational biology, 16(11), e1008325.

Kraft F, et al. (2020) Long-read sequencing to understand genome biology and cell function. The international journal of biochemistry & cell biology, 126, 105799.