

Resource Summary Report

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ShortRead

RRID:SCR_006813

Type: Tool

Proper Citation

ShortRead (RRID:SCR_006813)

Resource Information

URL: <http://www.bioconductor.org/packages/2.11/bioc/html/ShortRead.html>

Proper Citation: ShortRead (RRID:SCR_006813)

Description: Software package for input, quality assessment and exploration of high-throughput sequence data. Used for input, quality assurance, and basic manipulation of "short read" DNA sequences such as those produced by Solexa, 454, and related technologies, including exible import of common short read data formats.

Abbreviations: ShortRead

Synonyms: ShortRead - Classes and methods for high-throughput short-read sequencing data.

Resource Type: software resource

Defining Citation: [PMID:19654119](#)

Keywords: high throughput sequence data, short read, DNA sequences, short read data

Availability: Free, Available for download, Freely available

Resource Name: ShortRead

Resource ID: SCR_006813

Alternate IDs: OMICS_01076

Alternate URLs: <https://sources.debian.org/src/r-bioc-shortread/>

License: Artistic License v2

Record Creation Time: 20220129T080238+0000

Record Last Update: 20260801T190313+0000

Ratings and Alerts

No rating or validation information has been found for ShortRead.

No alerts have been found for ShortRead.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 225 mentions in open access literature.

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

Nitsch S, et al. (2026) H4K16 acylations destabilize chromatin architecture and facilitate transcriptional response during metabolic perturbations. *Molecular cell*, 86(1), 24.

Vinerbi E, et al. (2025) *Lactobacillus iners* dominates the vaginal microbiota of healthy Italian women of reproductive age. *mSystems*, 10(12), e0098325.

Liu Y, et al. (2025) Oligo-CALL: A next-generation barcoding platform for studying resistance to targeted therapy. *Science advances*, 11(45), eadw9990.

Ackermann RE, et al. (2025) Temporal changes in the bacterial microbiome of the salivary gland and midgut tissues of *Rhipicephalus sanguineus* (s.l.) ticks in South Africa. *Scientific reports*, 15(1), 17434.

Gabashvili E, et al. (2025) Growth of candidate phyla radiation bacteria in groundwater incubations reveals widespread adaptations to oxic conditions. *Microbiome*, 13(1), 224.

Mendoza LM, et al. (2025) Antigenic Characterization of H1N1 Influenza Viruses That Circulated During the 2019-2020 Season in Philadelphia, Pennsylvania. *Influenza and other respiratory viruses*, 19(6), e70104.

von Saucken VE, et al. (2025) Postsynaptic BMP signaling regulates myonuclear properties in *Drosophila* larval muscles. *The Journal of cell biology*, 224(1).

Khodaparast L, et al. (2025) Co-translational protein aggregation and ribosome stalling as a broad-spectrum antibacterial mechanism. *Nature communications*, 16(1), 1561.

Fita-Torró J, et al. (2025) Inhibition of mitochondrial protein import and proteostasis by a pro-apoptotic lipid. *eLife*, 13.

Madhuravasal Krishnan J, et al. (2025) The synthetic opioid fentanyl increases HIV replication in macrophages. *PloS one*, 20(2), e0298341.

Park J, et al. (2025) An experimental test of the influence of microbial manipulation on sugar kelp (*Saccharina latissima*) supports the core influences host function hypothesis. *Applied and environmental microbiology*, 91(6), e0030125.

Sobel Leonard A, et al. (2024) Within-host influenza viral diversity in the pediatric population as a function of age, vaccine, and health status. *Virus evolution*, 10(1), veae034.

Luyt NA, et al. (2024) Physical cell-cell contact elicits specific transcriptomic responses in wine yeast species. *Microbiology spectrum*, 12(8), e0057223.

Brandenburg EM, et al. (2024) Arthropods as Vectors of Grapevine Trunk Disease Pathogens: Quantification of *Phaeomoniella chlamydospora* on Arthropods and Mycobiome Analysis of Earwig Exoskeletons. *Journal of fungi (Basel, Switzerland)*, 10(4).

Minahan NT, et al. (2024) Concatenated ScaA and TSA56 Surface Antigen Sequences Reflect Genome-Scale Phylogeny of *Orientia tsutsugamushi*: An Analysis Including Two Genomes from Taiwan. *Pathogens (Basel, Switzerland)*, 13(4).

Dobner J, et al. (2024) mtDNA analysis using Mitopore. *Molecular therapy. Methods & clinical development*, 32(2), 101231.

Zhang Z, et al. (2024) Synthetic DNA barcodes identify singlets in scRNA-seq datasets and evaluate doublet algorithms. *Cell genomics*, 4(7), 100592.

Gasca-Pineda J, et al. (2024) Conservation genomics of the wild pumpkin *Cucurbita radicans* in Central Mexico: The influence of a changing environment on the genetic diversity and differentiation of a rare species. *Journal of plant research*, 137(5), 799.

Ho IL, et al. (2024) Clonal dominance defines metastatic dissemination in pancreatic cancer. *Science advances*, 10(11), eadd9342.

Israelson H, et al. (2024) Diet composition drives tissue-specific intensity of murine enteric infections. *mBio*, 15(2), e0260323.