

# Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

## bam readcount

RRID:SCR\_023653

Type: Tool

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### Proper Citation

bam readcount (RRID:SCR\_023653)

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### Resource Information

**URL:** <https://github.com/genome/bam-readcount>

**Proper Citation:** bam readcount (RRID:SCR\_023653)

**Description:** Software tool that runs on BAM or CRAM file and generates low level information about sequencing data at specific nucleotide positions. Its outputs include observed bases, readcounts, summarized mapping and base qualities, strandedness information, mismatch counts, and position within the reads.

**Synonyms:** bam-readcount

**Resource Type:** software resource, software application

**Defining Citation:** [PMID:34341766](#)

**Keywords:** BAM file, CRAM file, sequencing data, nucleotide positions,

**Funding:** NCI R50CA211782;  
NCI P01CA101937;  
NCI K22CA188163;  
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NHGRI R00 HG007940

**Availability:** Free, Available for download, Freely available

**Resource Name:** bam readcount

**Resource ID:** SCR\_023653

**License:** MIT license

**Record Creation Time:** 20230606T050221+0000

## Ratings and Alerts

No rating or validation information has been found for bam readcount.

No alerts have been found for bam readcount.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Barthe M, et al. (2025) Exon Capture Museomics Deciphers the Nine-Banded Armadillo Species Complex and Identifies a New Species Endemic to the Guiana Shield. *Systematic biology*, 74(2), 177.

Gonzalez Martinez A, et al. (2025) C to U RNA editing of MFN1 is regulated by ADARB1 and associates with favourable prognosis in chronic lymphocytic leukemia. *Scientific reports*, 15(1), 29856.

Chen H, et al. (2025) Fifteenth century CE Bolivian maize reveals genetic affinities with ancient Peruvian maize. *eLife*, 14.

Fiore D, et al. (2025) A patient-derived T??cell lymphoma biorepository uncovers pathogenetic mechanisms and host-related therapeutic vulnerabilities. *Cell reports. Medicine*, 6(4), 102029.

Sethna Z, et al. (2025) RNA neoantigen vaccines prime long-lived CD8+ T cells in pancreatic cancer. *Nature*, 639(8056), 1042.

Martins Rodrigues F, et al. (2025) Germline predisposition in multiple myeloma. *iScience*, 28(1), 111620.

Muller A, et al. (2025) High-efficiency base editing in the retina in primates and human tissues. *Nature medicine*, 31(2), 490.

Xie D, et al. (2025) Deciphering genomic evolution of metastatic organotropism with 535 paired primary lung cancers and metastases. *Cell reports*, 44(10), 116449.

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

Iglesia MD, et al. (2024) Differential chromatin accessibility and transcriptional dynamics define breast cancer subtypes and their lineages. *Nature cancer*, 5(11), 1713.

Karimnezhad A, et al. (2024) Empirical Bayes single nucleotide variant-calling for next-generation sequencing data. *Scientific reports*, 14(1), 1550.

Hynds RE, et al. (2024) Representation of genomic intratumor heterogeneity in multi-region non-small cell lung cancer patient-derived xenograft models. *Nature communications*, 15(1), 4653.

Porreca I, et al. (2024) An aptamer-mediated base editing platform for simultaneous knockin and multiple gene knockout for allogeneic CAR-T cells generation. *Molecular therapy : the journal of the American Society of Gene Therapy*, 32(8), 2692.

D'Ambrosi S, et al. (2024) Global and single-nucleotide resolution detection of 7-methylguanosine in RNA. *RNA biology*, 21(1), 1.

Schwitzgebel VM, et al. (2024) Enhancing fetal outcomes in GCK-MODY pregnancies: a precision medicine approach via non-invasive prenatal GCK mutation detection. *Frontiers in medicine*, 11, 1347290.

Lheureux S, et al. (2023) Identifying Mechanisms of Resistance by Circulating Tumor DNA in EVOLVE, a Phase II Trial of Cediranib Plus Olaparib for Ovarian Cancer at Time of PARP Inhibitor Progression. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 29(18), 3706.

Nicholas B, et al. (2023) Identification of neoantigens in oesophageal adenocarcinoma. *Immunology*, 168(3), 420.

Zhao S, et al. (2023) Single-cell morphological and topological atlas reveals the ecosystem diversity of human breast cancer. *Nature communications*, 14(1), 6796.

Walker LM, et al. (2023) Parallel evolution of the G protein-coupled receptor GrIG and the loss of fruiting body formation in the social amoeba *Dictyostelium discoideum* evolved under low relatedness. *G3 (Bethesda, Md.)*, 14(1).

Jung SH, et al. (2023) Monitoring the Outcomes of Systemic Chemotherapy Including Immune Checkpoint Inhibitor for HER2-Positive Metastatic Gastric Cancer by Liquid Biopsy. *Yonsei medical journal*, 64(9), 531.