

Resource Summary Report

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genomicalignments

RRID:SCR_024236

Type: Tool

Proper Citation

genomicalignments (RRID:SCR_024236)

Resource Information

URL: <https://bioconductor.org/packages/release/bioc/html/GenomicAlignments.html>

Proper Citation: genomicalignments (RRID:SCR_024236)

Description: Software R package provides efficient containers for storing and manipulating short genomic alignments. This includes read counting, computing the coverage, junction detection, and working with the nucleotide content of the alignments.

Resource Type: software resource, software toolkit

Keywords: containers for storing and manipulating short genomic alignments, read counting, computing coverage, junction detection, working with nucleotide content of alignments.

Availability: Free, Available for download, Freely available,

Resource Name: genomicalignments

Resource ID: SCR_024236

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

Record Creation Time: 20230830T050216+0000

Record Last Update: 20260904T000124+0000

Ratings and Alerts

No rating or validation information has been found for genomicalignments.

No alerts have been found for genomicalignments.

Data and Source Information

Usage and Citation Metrics

We found 147 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Murphy DM, et al. (2026) IFN- γ -induced trained immunity enhances killing of priority pathogens in healthy and genetically vulnerable individuals. JCI insight, 11(6).

Klink N, et al. (2026) Targeted degradation of USP7 in solid cancer cells reveals distinct effects of deubiquitinase degraders and inhibitors. Nature communications, 17(1).

Wang X, et al. (2026) CPT1A loss promotes lung metastasis in immune-competent mice via a mechanism of mtDNA release and chronic activation of STING pathway. bioRxiv : the preprint server for biology.

López-Fuentes E, et al. (2026) Epigenetic and Transcriptional Programs Define Osteosarcoma Subtypes and Establish Targetable Vulnerabilities. Cancer discovery, 16(2), 296.

Roulleaux-Dugage M, et al. (2026) VEGF-A blockade overcomes liver metastases resistance to chemoimmunotherapy in patients with advanced non-squamous NSCLC. Journal for immunotherapy of cancer, 14(6).

Cowley CJ, et al. (2026) Distinctive DNA sequence features define epigenetic longevity of inflammatory memory. Science (New York, N.Y.), 391(6792), eadz6830.

Qi L, et al. (2026) Targeting LRRC15 in Cancer-Associated Fibroblasts Modifies the Extracellular Matrix and Enhances Tumor Immune Responses to Suppress Lung Cancer Progression. Cancer research, 86(10), 2377.

Peymani F, et al. (2026) Pleiotropic effects of MORC2 derive from its epigenetic signature. Brain : a journal of neurology, 149(1), 163.

Kapoor S, et al. (2026) In vivo AGO-APP for cell-type- and compartment-specific miRNA profiling in the mouse brain. Cell reports methods, 6(1), 101267.

Wang H, et al. (2026) VeloRM: disentangling pre- and post-splicing RNA modification dynamics at single-cell resolution. Nucleic acids research, 54(12).

Wang Y, et al. (2026) Acute glucose stimulation drives coordinated translational reprogramming in primary pancreatic islets: from global remodeling to fine-tuned insulin synthesis. Frontiers in endocrinology, 17, 1834362.

Srivastava S, et al. (2026) Adgrg6/Gpr126 is required for compact wall integrity and establishing trabecular identity during cardiac trabeculation. Nature communications, 17(1), 1484.

Malakian A, et al. (2026) Liquid Biopsy Differentiation of Pancreatic Cancer From Non-Cancerous Pancreatic Disease Using Dielectrophoresis-Recovered Nanoparticles Carrying Cell-Free DNA and Protein Biomarkers. *Small* (Weinheim an der Bergstrasse, Germany), 22(29), e02532.

Dziagwa C, et al. (2026) Disruption of tRNA threonylation triggers RIG-I mediated anti-tumour immune response. *Nature communications*, 17(1).

Izzo LT, et al. (2026) KLF4 Promotes a KRT13+ Hillock-Like State in Lung Squamous Cell Carcinoma. *Cancer research*.

Welti J, et al. (2025) NXP800 Activates the Unfolded Protein Response, Altering AR and E2F Function to Impact Castration-Resistant Prostate Cancer Growth. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(6), 1109.

Sudhindar PD, et al. (2025) Urine-derived renal epithelial cells for deep phenotyping and transcriptomic response to therapy in Fabry disease. *Clinical science (London, England : 1979)*, 139(14), 791.

Dauban L, et al. (2025) Interactions between the genome and the nuclear lamina are multivalent and cooperative. *Nature structural & molecular biology*, 32(11), 2335.

Candela ME, et al. (2025) Cryopreserved human alternatively activated macrophages promote resolution of acetaminophen-induced liver injury in mouse. *NPJ Regenerative medicine*, 10(1), 5.

Ingham A, et al. (2025) CRAMP1-dependent histone H1 biogenesis is essential for topoisomerase II inhibitor tolerance. *Molecular cell*, 85(13), 2487.