Resource Summary Report

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GenomicRanges

RRID:SCR_000025
Type: Tool

Proper Citation

GenomicRanges (RRID:SCR_000025)

Resource Information

URL: http://www.bioconductor.org/packages/2.13/bioc/html/GenomicRanges.html

Proper Citation: GenomicRanges (RRID:SCR_000025)

Description: Software package that defines general purpose containers for storing genomic intervals as well as more specialized containers for storing alignments against a reference genome.

Abbreviations: GenomicRanges

Synonyms: GenomicRanges - Representation and manipulation of genomic intervals

Resource Type: software resource

Keywords: genomic interval

Funding:

Availability: Artistic License, v2

Resource Name: GenomicRanges

Resource ID: SCR_000025

Alternate IDs: SCR_018096, OMICS_01161

Record Creation Time: 20220129T080159+0000

Record Last Update: 20250410T064500+0000

Ratings and Alerts

No rating or validation information has been found for GenomicRanges.

No alerts have been found for GenomicRanges.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 39 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Lopes-Paciencia S, et al. (2024) A senescence restriction point acting on chromatin integrates oncogenic signals. Cell reports, 43(4), 114044.

Gustavsson EK, et al. (2024) The annotation of GBA1 has been concealed by its protein-coding pseudogene GBAP1. Science advances, 10(26), eadk1296.

Lehle JD, et al. (2024) An in vitro approach reveals molecular mechanisms underlying endocrine disruptor-induced epimutagenesis. eLife, 13.

Golov AK, et al. (2024) A genome-wide nucleosome-resolution map of promoter-centered interactions in human cells corroborates the enhancer-promoter looping model. eLife, 12.

Pinton A, et al. (2024) PHF6-altered T-ALL Harbor Epigenetic Repressive Switch at Bivalent Promoters and Respond to 5-Azacitidine and Venetoclax. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(1), 94.

Booms A, et al. (2024) Parkinson's disease risk enhancers in microglia. iScience, 27(2), 108921.

van Breugel ME, et al. (2023) Locus-specific proteome decoding reveals Fpt1 as a chromatin-associated negative regulator of RNA polymerase III assembly. Molecular cell, 83(23), 4205.

Lo EKW, et al. (2023) Comprehensive DNA Methylation Analysis Indicates That Pancreatic Intraepithelial Neoplasia Lesions Are Acinar-Derived and Epigenetically Primed for Carcinogenesis. Cancer research, 83(11), 1905.

Ziff OJ, et al. (2023) Nucleocytoplasmic mRNA redistribution accompanies RNA binding protein mislocalization in ALS motor neurons and is restored by VCP ATPase inhibition. Neuron, 111(19), 3011.

Gallon J, et al. (2023) DNA Methylation Landscapes of Prostate Cancer Brain Metastasis Are

Shaped by Early Driver Genetic Alterations. Cancer research, 83(8), 1203.

Fischer A, et al. (2023) In vivo interrogation of regulatory genomes reveals extensive quasi-insufficiency in cancer evolution. Cell genomics, 3(3), 100276.

Reynolds RH, et al. (2023) Local genetic correlations exist among neurodegenerative and neuropsychiatric diseases. NPJ Parkinson's disease, 9(1), 70.

Dubois-Pot-Schneider H, et al. (2022) Transcriptional and Epigenetic Consequences of DMSO Treatment on HepaRG Cells. Cells, 11(15).

Silvin A, et al. (2022) Dual ontogeny of disease-associated microglia and disease inflammatory macrophages in aging and neurodegeneration. Immunity, 55(8), 1448.

Chan M, et al. (2022) Novel insights from a multiomics dissection of the Hayflick limit. eLife, 11.

Greulich F, et al. (2021) The glucocorticoid receptor recruits the COMPASS complex to regulate inflammatory transcription at macrophage enhancers. Cell reports, 34(6), 108742.

Greulich F, et al. (2021) Protocol for using heterologous spike-ins to normalize for technical variation in chromatin immunoprecipitation. STAR protocols, 2(3), 100609.

Mohanty V, et al. (2021) Uncoupling of gene expression from copy number presents therapeutic opportunities in aneuploid cancers. Cell reports. Medicine, 2(7), 100349.

Peng H, et al. (2021) Morphological diversity of single neurons in molecularly defined cell types. Nature, 598(7879), 174.

Hale CR, et al. (2021) FMRP regulates mRNAs encoding distinct functions in the cell body and dendrites of CA1 pyramidal neurons. eLife, 10.