Resource Summary Report

Generated by NIF on Apr 28, 2025

HITC

RRID:SCR 013175

Type: Tool

Proper Citation

HiTC (RRID:SCR_013175)

Resource Information

URL: http://www.bioconductor.org/packages//2.10/bioc/html/HiTC.html

Proper Citation: HiTC (RRID:SCR_013175)

Description: Software package to explore high-throughput "C" data such as 5C or Hi-C.

Abbreviations: HiTC

Resource Type: software resource

Funding:

Resource Name: HiTC

Resource ID: SCR_013175

Alternate IDs: OMICS_00524

Record Creation Time: 20220129T080314+0000

Record Last Update: 20250420T014635+0000

Ratings and Alerts

No rating or validation information has been found for HiTC.

No alerts have been found for HiTC.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 76 mentions in open access literature.

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

Menozzi L, et al. (2025) Three-dimensional diffractive acoustic tomography. Nature communications, 16(1), 1149.

Tavallaee G, et al. (2025) Mapping the 3D genome architecture. Computational and structural biotechnology journal, 27, 89.

Chen W, et al. (2024) Two telomere-to-telomere gapless genomes reveal insights into Capsicum evolution and capsaicinoid biosynthesis. Nature communications, 15(1), 4295.

Han MC, et al. (2024) The first Korean carbon-ion radiation therapy facility: current status of the Heavy-ion Therapy Center at the Yonsei Cancer Center. Radiation oncology journal, 42(4), 295.

Kaplan SJ, et al. (2024) CRISPR screening uncovers a long-range enhancer for ONECUT1 in pancreatic differentiation and links a diabetes risk variant. Cell reports, 43(8), 114640.

Badel C, et al. (2024) Chromosome architecture in an archaeal species naturally lacking structural maintenance of chromosomes proteins. Nature microbiology, 9(1), 263.

Shu J, et al. (2024) Genome-wide screening and functional validation of methylation barriers near promoters. Nucleic acids research, 52(9), 4857.

Chen B, et al. (2024) Stratifying TAD boundaries pinpoints focal genomic regions of regulation, damage, and repair. Briefings in bioinformatics, 25(4).

van Roozendaal H, et al. (2024) Process and outcome evaluation of a social norms approach intervention on alcohol use among Flemish university students: a quasi-experimental study. Archives of public health = Archives belges de sante publique, 82(1), 45.

Rengifo Rojas C, et al. (2024) Biallelic non-productive enhancer-promoter interactions precede imprinted expression of Kcnk9 during mouse neural commitment. HGG advances, 5(2), 100271.

Zhang Y, et al. (2024) Telomere-to-telomere Citrullus super-pangenome provides direction for watermelon breeding. Nature genetics, 56(8), 1750.

Zhao SG, et al. (2024) Integrated analyses highlight interactions between the three-dimensional genome and DNA, RNA and epigenomic alterations in metastatic prostate cancer. Nature genetics, 56(8), 1689.

Chen WJ, et al. (2023) Single-cell RNA-seq integrated with multi-omics reveals SERPINE2 as a target for metastasis in advanced renal cell carcinoma. Cell death & disease, 14(1), 30.

Russ BE, et al. (2023) Active maintenance of CD8+ T cell naivety through regulation of global genome architecture. Cell reports, 42(10), 113301.

Fields PD, et al. (2023) Chromosome-Level Genome Assembly for the Angiosperm Silene conica. Genome biology and evolution, 15(11).

Shorter A, et al. (2023) Anomalous dips in reflection spectra of optical polymers deposited on plasmonic metals. Nanophotonics (Berlin, Germany), 12(3), 631.

Xiao M, et al. (2023) BRD9 determines the cell fate of hematopoietic stem cells by regulating chromatin state. Nature communications, 14(1), 8372.

Semenova O, et al. (2023) Effect of Solubilizing Group on the Antibacterial Activity of Heptamethine Cyanine Photosensitizers. Pharmaceutics, 15(1).

Fields PD, et al. (2023) Chromosome-level genome assembly for the angiosperm Silene conica. bioRxiv: the preprint server for biology.

Yao G, et al. (2023) Gapless genome assembly of Fusarium verticillioides, a filamentous fungus threatening plant and human health. Scientific data, 10(1), 229.