

Resource Summary Report

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ChIPseeker

RRID:SCR_021322

Type: Tool

Proper Citation

ChIPseeker (RRID:SCR_021322)

Resource Information

URL: <https://bioconductor.org/packages/ChIPseeker/>

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Description: Software package to retrieve nearest genes around peak, annotate genomic region of peak, implements statistical methods for estimate significance of overlap among ChIP peak data sets, and incorporate GEO database for user to compare own dataset with those deposited in database. Several visualization functions are implemented to summarize coverage of peak experiment, average profile and heatmap of peaks binding to TSS regions, genomic annotation, distance to TSS, and overlap of peaks or genes.

Resource Type: software toolkit, software resource

Defining Citation: [PMID:25765347](#)

Keywords: Retrieve nearest genes around peak, annotate genomic region of peak, overlap estimate significance, ChIP peak data sets

Availability: Free, Available for download, Freely available

Resource Name: ChIPseeker

Resource ID: SCR_021322

Record Creation Time: 20220129T080354+0000

Record Last Update: 20260803T040808+0000

Ratings and Alerts

No rating or validation information has been found for ChIPseeker.

No alerts have been found for ChIPseeker.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 364 mentions in open access literature.

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

Lu P, et al. (2026) Bromodomain-containing protein 4 knockdown promotes neuronal ferroptosis in a mouse model of subarachnoid hemorrhage. *Neural regeneration research*, 21(2), 715.

Chen Q, et al. (2026) An integrated multi-omics and network analysis of neutrophil differentiation from initial- to late-stage. *Genome biology*, 27(1).

Zhao Y, et al. (2026) Overexpression of the pioneer transcription factor Nr5a2 promotes the development of mouse somatic cell nuclear transfer embryos. *PLoS biology*, 24(1), e3003611.

Li Y, et al. (2026) USP9X as a Candidate Mediator of Prenatal Aspirin-Induced Ovarian Reserve Reduction in Offspring Mice. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(16), e07679.

Wang L, et al. (2026) Low expression of ALOX15B modulates immunosuppressive tumor microenvironment in diffuse large B-cell lymphoma via the TAP1/MHC-I axis. *Journal of experimental & clinical cancer research : CR*, 45(1), 43.

Zeng Z, et al. (2026) Red Blood Cells Internalize Extracellular DNA via Apoptotic Bodies with Clinical Relevance to Cancer Patients. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, e11408.

Niu Z, et al. (2026) Histone modification clocks for robust cross-species biological age prediction and elucidating senescence regulation. *Proceedings of the National Academy of Sciences of the United States of America*, 123(11), e2533687123.

Matsui M, et al. (2026) Transcriptional repression of reaper by Stand still ensures female germline development in *Drosophila*. *PLoS genetics*, 22(3), e1012041.

Riediger AL, et al. (2026) Multimodal plasma and urinary cell-free DNA profiling improves risk stratification in newly diagnosed prostate cancer. *NPJ precision oncology*, 10(1).

Miao J, et al. (2026) Increased WNT10B/FOXO6 signaling promotes cell fate transition in renal tubular cells to aggravate renal inflammation and fibrosis. *Nature communications*, 17(1).

Wulfridge P, et al. (2026) ADNP regulates chromatin architecture and lineage fidelity during neural differentiation. *PLoS genetics*, 22(4), e1012081.

Xu K, et al. (2026) An intricate functional relationship between NuA4 and Sfp1 regulates ribosome biogenesis in response to nutrient availability. *The Journal of biological chemistry*, 302(6), 113107.

Zhao Y, et al. (2026) Betrixaban activates cGAS-STING to promote antitumor immunity without pathological inflammation. *EMBO molecular medicine*, 18(6), 2213.

Qu J, et al. (2026) WRKY27-RAP2.7 Regulatory Module Promotes Cold Tolerance via Modulation of Lignin Biosynthesis and Redox Homeostasis by Regulating Cinnamyl Alcohol Dehydrogenase 7 and Glutathione S-Transferase F6. *Plant biotechnology journal*, 24(4), 2021.

Zhang K, et al. (2026) Integrated multiomics analysis reveals the molecular features and crucial regulators of hair follicles in yak (*Bos grunniens*). *Communications biology*, 9(1), 190.

Zhang W, et al. (2026) NSD2 inhibits the expression of PD-L1 via oxidative phosphorylation to control immune surveillance in hepatocellular carcinoma. *Cell death & disease*, 17(1).

Sævarsson T, et al. (2026) Enhanced IFN γ response in dedifferentiated melanoma cells is due to chromatin remodeling as revealed by ATAC-seq. *Cell communication and signaling : CCS*, 24(1).

Graham-Paquin AL, et al. (2026) Apoptotic cell clearance triggers epithelial fate reprogramming during prostate regression. *Cell death & disease*, 17(1).

Li A, et al. (2026) JAZ2/JAZ4-MYC2.1 module mediates MeJA-induced alleviation of chilling injury in peach fruit (*Prunus persica*). *Horticulture research*, 13(2), uhaf295.

Tang M, et al. (2026) Naïve pluripotency and genomic stability are coordinated in embryonic stem cells by a novel pluripotency regulator ZFP998. *Nucleic acids research*, 54(10).