

Resource Summary Report

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DiffBind

RRID:SCR_012918

Type: Tool

Proper Citation

DiffBind (RRID:SCR_012918)

Resource Information

URL: <http://bioconductor.org/packages/release/bioc/html/DiffBind.html>

Proper Citation: DiffBind (RRID:SCR_012918)

Description: Compute differentially bound sites from multiple ChIP-seq experiments using affinity (quantitative) data. Also enables occupancy (overlap) analysis and plotting functions.

Abbreviations: DiffBind

Synonyms: Differential Binding Analysis of ChIP-Seq peak data

Resource Type: software resource

Keywords: bio.tools

Resource Name: DiffBind

Resource ID: SCR_012918

Alternate IDs: biotools:diffbind, OMICS_00471

Alternate URLs: <https://bio.tools/diffbind>

Record Creation Time: 20220129T080313+0000

Record Last Update: 20260801T190453+0000

Ratings and Alerts

No rating or validation information has been found for DiffBind.

No alerts have been found for DiffBind.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1254 mentions in open access literature.

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

Hallal R, et al. (2026) Targeting SUMOylation Triggers IFN- γ -dependent Activation of Patient and Allogenic NK Cells in Preclinical Models of Acute Myeloid Leukemia. *Molecular cancer therapeutics*, 25(1), 125.

Maung JN, et al. (2026) Altered lipid metabolism and inflammatory programs associate with adipocyte loss in familial partial lipodystrophy 2. *The Journal of clinical investigation*, 136(1).

Kunzelman GW, et al. (2026) Chromatin Profiling Reveals Distinct Male and Female Trajectories for Developmental Learning Potential. *Developmental neurobiology*, 86(1), e23017.

Patel UA, et al. (2026) CRISPR Screen Identifies HDAC3 as a Novel Radiosensitizing Target in Small Cell Lung Cancer. *Molecular cancer therapeutics*, 25(1), 183.

Xu Y, et al. (2026) From degraded to deciphered: Applying ATAC-seq to forensic molecular diagnosis under degradation conditions. *Forensic science international*, 379, 112789.

Sarkar S, et al. (2025) JunB is required for CD8⁺ T cell responses to acute infections. *International immunology*, 37(4), 203.

Niu Y, et al. (2025) Super-enhancer MYCNOS-SE promotes chemoresistance in small cell lung cancer by recruiting transcription factors CTCF and KLF15. *Oncogene*, 44(4), 255.

Núñez-Martínez HN, et al. (2025) The lncRNA DUBR is regulated by CTCF and coordinates chromatin landscape and gene expression in hematopoietic cells. *Nucleic acids research*, 53(4).

Sah SK, et al. (2025) Echinocandin Adaptation in *Candida albicans* Is Accompanied by Altered Chromatin Accessibility at Gene Promoters and by Cell Wall Remodeling. *Journal of fungi (Basel, Switzerland)*, 11(2).

Shen X, et al. (2025) Targeting pancreatic cancer glutamine dependency confers vulnerability to GPX4-dependent ferroptosis. *Cell reports. Medicine*, 6(2), 101928.

Klein L, et al. (2025) Spatial tumor immune heterogeneity facilitates subtype co-existence and therapy response in pancreatic cancer. *Nature communications*, 16(1), 335.

Galsky MD, et al. (2025) Different PD-L1 Assays Reveal Distinct Immunobiology and Clinical Outcomes in Urothelial Cancer. *Cancer immunology research*, 13(4), 476.

Tobias IC, et al. (2025) A Sox2 enhancer cluster regulates region-specific neural fates from mouse embryonic stem cells. *G3 (Bethesda, Md.)*, 15(4).

Jakobsen MK, et al. (2025) Stochastic demethylation and redundant epigenetic suppressive mechanisms generate highly heterogeneous responses to pharmacological DNA methyltransferase inhibition. *Journal of experimental & clinical cancer research : CR*, 44(1), 21.

Laffranchi M, et al. (2025) Neutrophils restricted contribution of CCRL2 genetic variants to COVID-19 severity. *Heliyon*, 11(1), e41267.

Yang Y, et al. (2025) TET2 deficiency increases the competitive advantage of hematopoietic stem and progenitor cells through upregulation of thrombopoietin receptor signaling. *Nature communications*, 16(1), 2384.

Yao Y, et al. (2025) LncRNA-MEG3 Regulates Muscle Mass and Metabolic Homeostasis by Facilitating SUZ12 Liquid-Liquid Phase Separation. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(23), e2417715.

Shi Y, et al. (2025) USP10 stabilizes BAZ1A to drive tumor stemness via an epigenetic mechanism in head and neck squamous cell carcinoma. *Cell death & disease*, 16(1), 270.

Liu Z, et al. (2025) Genomic locus of lncRNA-Gm26793 forms an inter-chromosomal interaction with Cubn to ensure proper stem cell differentiation in vitro and in vivo. *Cell discovery*, 11(1), 53.

Neumann S, et al. (2025) Cytoplasmic and nuclear protein interaction networks of the synapto-nuclear messenger CRTC1 in neurons reveal cooperative chromatin binding between CREB1 and CRTC1, MEF2C and RFX3. *bioRxiv : the preprint server for biology*.