

Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 12, 2025

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

Funding:

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: 20250410T070316+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 1013 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Lechon T, et al. (2025) Regulation of meristem and hormone function revealed through analysis of directly-regulated SHOOT MERISTEMLESS target genes. *Scientific reports*, 15(1), 240.

Le S, et al. (2025) Integrated analysis of chromatin and transcriptomic profiling of the striatum after cerebral hypoperfusion in mice. *BMC genomics*, 26(1), 71.

Zhao M, et al. (2025) Genetic variation in IL-4 activated tissue resident macrophages determines strain-specific synergistic responses to LPS epigenetically. *Nature communications*, 16(1), 1030.

Brewis HT, et al. (2025) Characterizing the regulatory effects of H2A.Z and SWR1-C on gene expression during hydroxyurea exposure in *Saccharomyces cerevisiae*. *PLoS genetics*, 21(1), e1011566.

Zhang H, et al. (2025) Heat shock factor ZmHsf17 positively regulates phosphatidic acid phosphohydrolase ZmPAH1 and enhances maize thermotolerance. *Journal of experimental botany*, 76(2), 493.

Angarola BL, et al. (2025) Comprehensive single-cell aging atlas of healthy mammary tissues reveals shared epigenomic and transcriptomic signatures of aging and cancer. *Nature aging*, 5(1), 122.

Bloor S, et al. (2025) RNA binding by Periphilin plays an essential role in initiating silencing by the HUSH complex. *Nucleic acids research*, 53(2).

Zhang S, et al. (2025) Dynamics and regulatory roles of RNA m6A methylation in unbalanced genomes. *eLife*, 13.

Kim BR, et al. (2025) The oxygen level in air directs airway epithelial cell differentiation by controlling mitochondrial citrate export. *Science advances*, 11(4), eadr2282.

Cyr Y, et al. (2025) lncRNA CARINH regulates expression and function of innate immune

transcription factor IRF1 in macrophages. *Life science alliance*, 8(3).

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.

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.

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

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

Lv J, et al. (2025) Downregulation of MLF1 safeguards cardiomyocytes against senescence-associated chromatin opening. *Nucleic acids research*, 53(2).

Wang Y, et al. (2025) Reducing functionally defective old HSCs alleviates aging-related phenotypes in old recipient mice. *Cell research*, 35(1), 45.

Oo JA, et al. (2025) Long non-coding RNAs direct the SWI/SNF complex to cell type-specific enhancers. *Nature communications*, 16(1), 131.

Nshanian M, et al. (2025) Short-chain fatty acid metabolites propionate and butyrate are unique epigenetic regulatory elements linking diet, metabolism and gene expression. *Nature metabolism*, 7(1), 196.

Dhillon-Richardson RM, et al. (2025) Reactivation of an Embryonic Cardiac Neural Crest Transcriptional Subcircuit During Zebrafish Heart Regeneration. *bioRxiv : the preprint server for biology*.

Adlakha A, et al. (2025) Interferon-gamma rescues dendritic cell calcineurin-dependent responses to *Aspergillus fumigatus* via Stat3 to Stat1 switching. *iScience*, 28(2), 111535.