Resource Summary Report

Generated by NIF on Apr 25, 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: 20250420T014624+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 NIF.

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.

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).

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.

Cyr Y, et al. (2025) lncRNA CARINH regulates expression and function of innate immune transcription factor IRF1 in macrophages. Life science alliance, 8(3).

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.

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.

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.

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

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.

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.