Resource Summary Report

Generated by NIF on Apr 29, 2025

HMCan

RRID:SCR_010858
Type: Tool

Proper Citation

HMCan (RRID:SCR_010858)

Resource Information

URL: http://www.cbrc.kaust.edu.sa/hmcan/

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Description: A Hidden Markov Model based software tool that is developed to detect histone modification in cancer ChIP-seq data.

Abbreviations: HMCan

Synonyms: Histone Modification in Cancer

Resource Type: software resource

Defining Citation: PMID:24021381

Keywords: bio.tools

Funding:

Resource Name: HMCan

Resource ID: SCR_010858

Alternate IDs: biotools:hmcan, OMICS_00443

Alternate URLs: https://bio.tools/hmcan

Record Creation Time: 20220129T080301+0000

Record Last Update: 20250420T014512+0000

Ratings and Alerts

No rating or validation information has been found for HMCan.

No alerts have been found for HMCan.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Thirant C, et al. (2023) Reversible transitions between noradrenergic and mesenchymal tumor identities define cell plasticity in neuroblastoma. Nature communications, 14(1), 2575.

Mohammed Ismail W, et al. (2023) MacroH2A histone variants modulate enhancer activity to repress oncogenic programs and cellular reprogramming. Communications biology, 6(1), 215.

Gregoricchio S, et al. (2022) HDAC1 and PRC2 mediate combinatorial control in SPI1/PU.1-dependent gene repression in murine erythroleukaemia. Nucleic acids research, 50(14), 7938.

Jdeed S, et al. (2022) The Role of ARID1A in the Nonestrogenic Modulation of IGF-1 Signaling. Molecular cancer research : MCR, 20(7), 1071.

Jarroux J, et al. (2021) HOTAIR lncRNA promotes epithelial-mesenchymal transition by redistributing LSD1 at regulatory chromatin regions. EMBO reports, 22(7), e50193.

Liehrmann A, et al. (2021) Increased peak detection accuracy in over-dispersed ChIP-seq data with supervised segmentation models. BMC bioinformatics, 22(1), 323.

Kaukonen D, et al. (2020) Analysis of H3K4me3 and H3K27me3 bivalent promotors in HER2+ breast cancer cell lines reveals variations depending on estrogen receptor status and significantly correlates with gene expression. BMC medical genomics, 13(1), 92.

Erd?s E, et al. (2020) NR2F2 Orphan Nuclear Receptor is Involved in Estrogen Receptor Alpha-Mediated Transcriptional Regulation in Luminal A Breast Cancer Cells. International journal of molecular sciences, 21(6).

Lopez-Delisle L, et al. (2018) Activated ALK signals through the ERK-ETV5-RET pathway to drive neuroblastoma oncogenesis. Oncogene, 37(11), 1417.

Ashoor H, et al. (2017) HMCan-diff: a method to detect changes in histone modifications in

cells with different genetic characteristics. Nucleic acids research, 45(8), e58.