Resource Summary Report

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eDMR

RRID:SCR_006960
Type: Tool

Proper Citation

eDMR (RRID:SCR_006960)

Resource Information

URL: https://code.google.com/p/edmr/

Proper Citation: eDMR (RRID:SCR_006960)

Description: Comprehensive differentially methylated regions (DMR) analysis based on bimodal normal distribution model and weighted cost function for regional methylation analysis optimization.

Abbreviations: eDMR

Resource Type: software resource

Keywords: bio.tools

Funding:

Availability: MIT License

Resource Name: eDMR

Resource ID: SCR_006960

Alternate IDs: biotools:edmr, OMICS_00622

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

Record Creation Time: 20220129T080239+0000

Record Last Update: 20250214T183058+0000

Ratings and Alerts

No rating or validation information has been found for eDMR.

No alerts have been found for eDMR.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Nohara K, et al. (2025) Acquired sperm hypomethylation by gestational arsenic exposure is re-established in both the paternal and maternal genomes of post-epigenetic reprogramming embryos. Epigenetics & chromatin, 18(1), 4.

Geng R, et al. (2023) Sub-micron spin-based magnetic field imaging with an organic light emitting diode. Nature communications, 14(1), 1441.

Laplana M, et al. (2022) Differentially methylated regions within lung cancer risk loci are enriched in deregulated enhancers. Epigenetics, 17(2), 117.

Liu Y, et al. (2021) Dynamic changes of genomic methylation profiles at different growth stages in Chinese Tan sheep. Journal of animal science and biotechnology, 12(1), 118.

Liu H, et al. (2021) DNA methylation atlas of the mouse brain at single-cell resolution. Nature, 598(7879), 120.

Sureshchandra S, et al. (2021) Phenotypic and Epigenetic Adaptations of Cord Blood CD4+ T Cells to Maternal Obesity. Frontiers in immunology, 12, 617592.

Nohara K, et al. (2020) Gestational arsenic exposure induces site-specific DNA hypomethylation in active retrotransposon subfamilies in offspring sperm in mice. Epigenetics & chromatin, 13(1), 53.

Fan X, et al. (2020) Genetic and Global Epigenetic Modification, Which Determines the Phenotype of Transgenic Rice? International journal of molecular sciences, 21(5).

He A, et al. (2020) Analysis of DNA methylation differences in gonads of the large yellow croaker. Gene, 749, 144754.

Okamura K, et al. (2019) DNA methylation changes involved in the tumor increase in F2 males born to gestationally arsenite-exposed F1 male mice. Cancer science, 110(8), 2629.

Shi TT, et al. (2019) Identifying and Validating Genes with DNA Methylation Data in the Context of Biological Network for Chinese Patients with Graves' Orbitopathy. International journal of endocrinology, 2019, 6212681.

Dong L, et al. (2019) Genome-wide Analysis Reveals DNA Methylation Alterations in Obesity Associated with High Risk of Colorectal Cancer. Scientific reports, 9(1), 5100.

Xin Z, et al. (2019) A Pathway Analysis Based on Genome-Wide DNA Methylation of Chinese Patients with Graves' Orbitopathy. BioMed research international, 2019, 9565794.

Razzak J, et al. (2019) Global, regional and national burden of emergency medical diseases using specific emergency disease indicators: analysis of the 2015 Global Burden of Disease Study. BMJ global health, 4(2), e000733.

Matsushita J, et al. (2018) The DNA methylation profile of liver tumors in C3H mice and identification of differentially methylated regions involved in the regulation of tumorigenic genes. BMC cancer, 18(1), 317.

Frolinger T, et al. (2018) Epigenetic modifications by polyphenolic compounds alter gene expression in the hippocampus. Biology open, 7(10).

Ho TT, et al. (2017) Autophagy maintains the metabolism and function of young and old stem cells. Nature, 543(7644), 205.

Yu F, et al. (2017) Systemic analysis of osteoblast-specific DNA methylation marks reveals novel epigenetic basis of osteoblast differentiation. Bone reports, 6, 109.