Resource Summary Report

Generated by NIF on Apr 21, 2025

NOrMAL

RRID:SCR_010889
Type: Tool

Proper Citation

NOrMAL (RRID:SCR_010889)

Resource Information

URL: http://www.cs.ucr.edu/~polishka/

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Description: A command line software tool for accurate placing of the nucleosomes using a Modified Gaussian Mixture Model. It was designed to resolve overlapping nucleosomes and extract extra information (fuzziness, probability, etc.) of nucleosome placement. To achieve this goal the tool clusters the input tags according to Nucleosome Model (see the paper for detailed description) using EM learning process. The tool is written in C++. There are no special requirements except for g++ compiler and *nix environment to compile and use the tool. It was checked to compile using g++ compiler under Ubuntu 11.04 and Mac OS X 10.6

Abbreviations: NOrMAL

Synonyms: NOrMAL: Accurate Nucleosome Positioning using a Modified Gaussian Mixture Model

Resource Type: software resource

Keywords: bio.tools

Funding:

Availability: Free for academic use

Resource Name: NOrMAL

Resource ID: SCR_010889

Alternate IDs: OMICS_00504, biotools:normal

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

Record Creation Time: 20220129T080301+0000

Record Last Update: 20250420T014513+0000

Ratings and Alerts

No rating or validation information has been found for NOrMAL.

No alerts have been found for NOrMAL.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 66 mentions in open access literature.

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

Qin H, et al. (2024) A novel LGALS1-depended and immune-associated fatty acid metabolism risk model in acute myeloid leukemia stem cells. Cell death & disease, 15(7), 482.

Asegu LM, et al. (2024) The economic burden of nosocomial infections for hospitals: evidence from Germany. BMC infectious diseases, 24(1), 1294.

Bakhshalinejad R, et al. (2024) Comparative efficacy of hydroxychloride and organic sources of zinc, copper, and manganese on egg production and concentration of trace minerals in eggs, plasma, and excreta in female broiler breeders from 42 to 63 weeks of age. Poultry science, 103(4), 103522.

Dong J, et al. (2024) Identification of Eleutherococcus senticosus NAC transcription factors and their mechanisms in mediating DNA methylation of EsFPS, EsSS, and EsSE promoters to regulate saponin synthesis. BMC genomics, 25(1), 536.

Lubkin DT, et al. (2024) Does an early, balanced resuscitation strategy reduce the incidence of hypofibrinogenemia in hemorrhagic shock? Trauma surgery & acute care open, 9(1), e001193.

Pacella KAC, et al. (2024) Using item response theory to identify key symptoms of insomnia in a sample of university students with probable eating disorders. Eating and weight

disorders : EWD, 29(1), 49.

Prosz A, et al. (2024) Mutational signature-based identification of DNA repair deficient gastroesophageal adenocarcinomas for therapeutic targeting. NPJ precision oncology, 8(1), 87.

Chen Z, et al. (2024) Research on bearing fault diagnosis based on improved genetic algorithm and BP neural network. Scientific reports, 14(1), 15527.

Rho J, et al. (2023) Deep learning-based diagnosis of feline hypertrophic cardiomyopathy. PloS one, 18(2), e0280438.

Miyazaki A, et al. (2023) Computer-aided diagnosis of chest X-ray for COVID-19 diagnosis in external validation study by radiologists with and without deep learning system. Scientific reports, 13(1), 17533.

Prosz A, et al. (2023) Nucleotide excision repair deficiency is a targetable therapeutic vulnerability in clear cell renal cell carcinoma. bioRxiv : the preprint server for biology.

Reale R, et al. (2023) Analytical Investigation of Iron-Based Stains on Carbonate Stones: Rust Formation, Diffusion Mechanisms, and Speciation. Molecules (Basel, Switzerland), 28(4).

Burke HM, et al. (2023) A Field Test of the NORMAL Job Aid With Community Health Workers in Kenya to Address Contraceptive-Induced Menstrual Changes. Global health, science and practice, 11(1).

Lee J, et al. (2023) Large litter size increases oxidative stress and adversely affects nest-building behavior and litter characteristics in primiparous sows. Frontiers in veterinary science, 10, 1219572.

Li S, et al. (2023) Dietary fiber during gestation improves lactational feed intake of sows by modulating gut microbiota. Journal of animal science and biotechnology, 14(1), 65.

Leingang O, et al. (2023) Automated deep learning-based AMD detection and staging in real-world OCT datasets (PINNACLE study report 5). Scientific reports, 13(1), 19545.

Prosz A, et al. (2023) Nucleotide excision repair deficiency is a targetable therapeutic vulnerability in clear cell renal cell carcinoma. Scientific reports, 13(1), 20567.

Huang Y, et al. (2022) NucleoMap: A computational tool for identifying nucleosomes in ultra-high resolution contact maps. PLoS computational biology, 18(7), e1010265.

Minagi A, et al. (2022) Natural Images Allow Universal Adversarial Attacks on Medical Image Classification Using Deep Neural Networks with Transfer Learning. Journal of imaging, 8(2).

Ethgen O, et al. (2021) A preliminary cost-effectiveness analysis of lung protective ventilation with extra corporeal carbon dioxide removal (ECCO2R) in the management of acute respiratory distress syndrome (ARDS). Journal of critical care, 63, 45.