

Resource Summary Report

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TherMos

RRID:SCR_002790

Type: Tool

Proper Citation

TherMos (RRID:SCR_002790)

Resource Information

URL: <http://collaborations.gis.a-star.edu.sg/~cmb6/TherMos/>

Proper Citation: TherMos (RRID:SCR_002790)

Description: Software used for estimating protein-DNA binding energies from in vivo binding profiles. It is a de novo motif discovery algorithm that exploits the information in transcription factor ChIP-seq or ChIP-exo datasets based on a more natural thermodynamic formalism.

Resource Type: software resource, algorithm resource

Defining Citation: [PMID:23595148](#)

Keywords: protein dna binding energy, in vivo binding profiles, motif discovery

Funding:

Availability: Open source, Available for download

Resource Name: TherMos

Resource ID: SCR_002790

Alternate IDs: OMICS_00498

Record Creation Time: 20220129T080215+0000

Record Last Update: 20250424T064605+0000

Ratings and Alerts

No rating or validation information has been found for TherMos.

No alerts have been found for TherMos.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 193 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#).

Zhou Q, et al. (2024) Thyroid-stimulating hormone induces insulin resistance in adipocytes via endoplasmic reticulum stress. *Endocrine connections*, 13(8).

Zhai L, et al. (2024) Novel sterol binding domains in bacteria. *eLife*, 12.

Yin XW, et al. (2024) Anti-Inflammatory Peroxidized Chlorohololide-Type Dimers Are Artifacts of Shizukaol-Type Dimers: From Phenomena Discovery and Confirmation to Potential Underlying Mechanism. *Molecules (Basel, Switzerland)*, 29(4).

Li Y, et al. (2024) The m6A reader IGF2BP2 promotes esophageal cell carcinoma progression by enhancing EIF4A1 translation. *Cancer cell international*, 24(1), 162.

Ouyang B, et al. (2024) AI-powered omics-based drug pair discovery for pyroptosis therapy targeting triple-negative breast cancer. *Nature communications*, 15(1), 7560.

Christensen MD, et al. (2024) Cloning and Characterization of a Novel N-Acetyl-D-galactosamine-4-O-sulfate Sulfatase, SulA1, from a Marine Arthrobacter Strain. *Marine drugs*, 22(3).

Ma Z, et al. (2024) Purification and Characterization of a Novel Fibrinolytic Enzyme from Marine Bacterium *Bacillus* sp. S-3685 Isolated from the South China Sea. *Marine drugs*, 22(6).

Rao K, et al. (2024) Myoglobin modulates the Hippo pathway to promote cardiomyocyte differentiation. *iScience*, 27(3), 109146.

Yamaga K, et al. (2024) High-concentration bovine serum albumin enhances fertilization ability of cold-stored rat sperm. *The Journal of reproduction and development*, 70(2), 131.

Qiu GW, et al. (2024) Phosphorus deficiency alleviates iron limitation in *Synechocystis* cyanobacteria through direct PhoB-mediated gene regulation. *Nature communications*, 15(1), 4426.

Saini P, et al. (2024) Restriction of growth and biofilm formation of ESKAPE pathogens by caprine gut-derived probiotic bacteria. *Frontiers in microbiology*, 15, 1428808.

Chaumeau V, et al. (2024) Transmission-blocking activities of artesunate, chloroquine, and methylene blue on *Plasmodium vivax* gametocytes. *Antimicrobial agents and chemotherapy*, 68(9), e0085324.

Lee SY, et al. (2024) Directed evolution of the multicopper oxidase laccase for cell surface proximity labeling and electron microscopy. *bioRxiv : the preprint server for biology*.

Ge J, et al. (2024) Biosynthesis of Bt-Ag₂O nanoparticles using *Bacillus thuringiensis* and their pesticidal and antimicrobial activities. *Applied microbiology and biotechnology*, 108(1), 157.

Allison SD, et al. (2024) Molecular Cloning, Characterization, and Application of Organic Solvent-Stable and Detergent-Compatible Thermostable Alkaline Protease from *Geobacillus thermoglucosidasius* SKF4. *Journal of microbiology and biotechnology*, 34(2), 436.

Hassan RT, et al. (2024) The Clinicopathological Correlation of KRAS Mutation and PTEN Expression Status in Primary and Metastatic Colorectal Carcinoma. *Cureus*, 16(2), e53884.

Ngouobe JN, et al. (2024) Evaluation of the potential of *Yushina alpina* bamboo fibers from Cameroon for the manufacture of biocomposites. *Heliyon*, 10(13), e32668.

Gong C, et al. (2024) Determination of optimal dietary calcium levels under different sources of zinc in Jing tint 6 layer chicks from 15 to 42 d of age. *Poultry science*, 103(11), 104192.

Li M, et al. (2024) Numb provides a fail-safe mechanism for intestinal stem cell self-renewal in adult *Drosophila* midgut. *bioRxiv : the preprint server for biology*.

Adels K, et al. (2024) Multicomponent analysis of dietary supplements containing glucosamine and chondroitin: comparative low- and high-field NMR spectroscopic study. *Analytical sciences : the international journal of the Japan Society for Analytical Chemistry*, 40(1), 101.