## **Resource Summary Report**

Generated by NIF on May 20, 2025

# **TherMos**

RRID:SCR\_002790

Type: Tool

## **Proper Citation**

TherMos (RRID:SCR\_002790)

#### **Resource Information**

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

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**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: 20250519T204903+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 NIF.

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 Chlorahololide-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) Al-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.

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.

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

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.

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.

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.

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.

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.

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.

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.