Resource Summary Report

Generated by NIF on May 4, 2025

ModBase

RRID:SCR_004642

Type: Tool

Proper Citation

ModBase (RRID:SCR_004642)

Resource Information

URL: http://salilab.org/modbase

Proper Citation: ModBase (RRID:SCR_004642)

Description: A database of three-dimensional protein models calculated by comparative modeling. ModBase is organized into datasets, which are either available to the public, to the academic community, or to specific users. 20 unique amidohydrolase and 41 unique enolase structures have been determined have been included in the database.

Synonyms: ModBase

Resource Type: database, data or information resource

Defining Citation: PMID:18948282, PMID:21097780

Keywords: FASEB list

Funding:

Resource Name: ModBase

Resource ID: SCR_004642

Alternate IDs: nif-0000-03153

Record Creation Time: 20220129T080225+0000

Record Last Update: 20250503T055657+0000

Ratings and Alerts

No rating or validation information has been found for ModBase.

No alerts have been found for ModBase.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 82 mentions in open access literature.

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

Heimer G, et al. (2025) Biallelic PIGM Coding Variant Causes Intractable Epilepsy and Intellectual Disability Without Thrombotic Events. Clinical genetics, 107(2), 179.

Kiouri DP, et al. (2025) Structure-Based Approaches for Protein-Protein Interaction Prediction Using Machine Learning and Deep Learning. Biomolecules, 15(1).

Tsokas P, et al. (2024) KIBRA anchoring the action of PKM? maintains the persistence of memory. Science advances, 10(26), eadl0030.

Takeuchi F, et al. (2024) Potential Contribution of Cell Adhesion Molecule 1 to the Binding of SARS-CoV-2 Spike Protein to Mouse Nasal Mucosa. Cells, tissues, organs, 213(4), 326.

Wu Y, et al. (2023) Fn-Dps, a novel virulence factor of Fusobacterium nucleatum, disrupts erythrocytes and promotes metastasis in colorectal cancer. PLoS pathogens, 19(1), e1011096.

Reyes-González J, et al. (2023) Brain radiotoxicity-related 15CAcBRT gene expression signature predicts survival prognosis of glioblastoma patients. Neuro-oncology, 25(2), 303.

Xiong D, et al. (2023) 3D structural human interactome reveals proteome-wide perturbations by disease mutations. bioRxiv: the preprint server for biology.

Tasleem M, et al. (2023) Pseudomonas putida Metallothionein: Structural Analysis and Implications of Sustainable Heavy Metal Detoxification in Madinah. Toxics, 11(10).

Kashif M, et al. (2023) Recombinant expression and preliminary characterization of Peptidyl-prolyl cis/trans-isomerase Rrd1 from Saccharomyces cerevisiae. PloS one, 18(6), e0282749.

Kosoglu K, et al. (2023) Structural coverage of the human interactome. Briefings in bioinformatics, 25(1).

Briata P, et al. (2022) LncRNA EPR-induced METTL7A1 modulates target gene translation. Nucleic acids research, 50(13), 7608.

Peng J, et al. (2022) Intermolecular Interactions Drive Protein Adaptive and Coadaptive Evolution at Both Species and Population Levels. Molecular biology and evolution, 39(1).

Paniagua G, et al. (2022) KSR induces RAS-independent MAPK pathway activation and modulates the efficacy of KRAS inhibitors. Molecular oncology, 16(17), 3066.

Kashif M, et al. (2022) Recombinant expression and biophysical characterization of Mrt4 protein that involved in mRNA turnover and ribosome assembly from Saccharomyces cerevisiae. Bioengineered, 13(4), 9103.

Ben Khemis I, et al. (2021) Steric and energetic characterizations of mouse and human musk receptors activated by nitro musk smelling compounds at molecular level: Statistical physics treatment and molecular docking analysis. International journal of biological macromolecules, 188, 333.

Hyland EM, et al. (2021) Adaptive Evolution in TRIF Leads to Discordance between Human and Mouse Innate Immune Signaling. Genome biology and evolution, 13(12).

Bommana S, et al. (2021) Tryptophan Operon Diversity Reveals Evolutionary Trends among Geographically Disparate Chlamydia trachomatis Ocular and Urogenital Strains Affecting Tryptophan Repressor and Synthase Function. mBio, 12(3).

Biswas AD, et al. (2021) Analysis of L-DOPA and droxidopa binding to human ?2-adrenergic receptor. Biophysical journal, 120(24), 5631.

Magraner-Pardo L, et al. (2021) A computational and structural analysis of germline and somatic variants affecting the DDR mechanism, and their impact on human diseases. Scientific reports, 11(1), 14268.

Boby N, et al. (2020) Pharmacodynamics of Ceftiofur Selected by Genomic and Proteomic Approaches of Streptococcus parauberis Isolated from the Flounder, Paralichthys olivaceus. International journal of genomics, 2020, 4850290.