

Resource Summary Report

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PRISM (Stanford database)

RRID:SCR_005375

Type: Tool

Proper Citation

PRISM (Stanford database) (RRID:SCR_005375)

Resource Information

URL: <http://bejerano.stanford.edu/prism/public/html/>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on May 5,2022.Tool that predicts interactions between transcription factors and their regulated genes from binding motifs. Understanding vertebrate development requires unraveling the cis-regulatory architecture of gene regulation. PRISM provides accurate genome-wide computational predictions of transcription factor binding sites for the human and mouse genomes, and integrates the predictions with GREAT to provide functional biological context. Together, accurate computational binding site prediction and GREAT produce for each transcription factor: 1. putative binding sites, 2. putative target genes, 3. putative biological roles of the transcription factor, and 4. putative cis-regulatory elements through which the factor regulates each target in each functional role., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: PRISM

Synonyms: Predicting Regulatory Information from Single Motifs

Resource Type: service resource, data analysis service, data or information resource, database, production service resource, analysis service resource

Defining Citation: [PMID:23382538](#)

Keywords: genomic, transcription factor, function, transcription factor binding site, transcription factor regulator, biological role, target gene, target genomic region, genome, FASEB list

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: PRISM (Stanford database)

Resource ID: SCR_005375

Alternate IDs: OMICS_00489

Record Creation Time: 20220129T080229+0000

Record Last Update: 20260731T042709+0000

Ratings and Alerts

No rating or validation information has been found for PRISM (Stanford database).

No alerts have been found for PRISM (Stanford database).

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 40813 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Mao S, et al. (2026) Loss of cyclin C drives resistance to anti-TIGIT therapy by upregulating CD155-mediated immune evasion. Drug resistance updates : reviews and commentaries in antimicrobial and anticancer chemotherapy, 84, 101318.

Nakamura Y, et al. (2025) Microglial $\alpha 7$ -Nicotinic Acetylcholine Receptors Are Expressed in Mitochondria Rather Than on the Plasma Membrane: Roles in Mitochondrial Function. Journal of neurochemistry, 169(6), e70139.

Azzam N, et al. (2025) Modeling High-Risk Pediatric Cancers in Zebrafish to Inform Precision Therapy. Cancer research communications, 5(7), 1215.

Hänggi K, et al. (2025) Protocol for specific induction of apoptosis or necroptosis in established murine tumors. STAR protocols, 6(4), 104185.

Müller-Schiffmann A, et al. (2025) Oxidized MIF is an Alzheimer's disease drug target relaying external risk factors to tau pathology. Cell reports. Medicine, 102520.

Sviercovich A, et al. (2025) Oxytocin treatment reduces cancer cachexia in a pre-clinical model. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 193, 118825.

Sonoda T, et al. (2025) Limited transmission of mixed convergent signals at the mouse retinogeniculate synapse. Neuron.

Lindström L, et al. (2025) Targeting TUBG1 in RB1-negative tumors. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(5),

e70431.

Ghovanloo MR, et al. (2025) In vitro inhibition of voltage-dependent sodium currents by the antifungal drug amorolfine. *The Journal of biological chemistry*, 301(4), 108407.

Kuzuoglu-Ozturk D, et al. (2025) Small-molecule RNA therapeutics to target prostate cancer. *Cancer cell*, 43(5), 841.

Wu Y, et al. (2025) Pro-ferroptotic lipids as key control points for caveola formation and disassembly. *Cell reports*, 44(6), 115789.

Sierro-Martínez B, et al. (2025) Next-generation BCMA-targeted chimeric antigen receptor CARTemis-1: the impact of manufacturing procedure on CAR T-cell features. *Cellular oncology (Dordrecht, Netherlands)*, 48(1), 219.

Liao G, et al. (2025) Targeting ASK1 by CS17919 alleviates kidney- and liver-related diseases in murine models. *Animal models and experimental medicine*, 8(1), 102.

Sorce LR, et al. (2025) Infant feeding and criticality in children. *Nursing in critical care*, 30(2), e13103.

Cho SKS, et al. (2025) Post-Myocardial Infarction Remodeling and Hyperkinetic Remote Myocardium in Sheep Measured by Cardiac MRI Feature Tracking. *Journal of magnetic resonance imaging : JMRI*, 61(3), 1323.

Zhen Z, et al. (2025) Choroid plexus cysts on 7T MRI: Relationship to aging and neurodegenerative diseases. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(2), e14484.

Movahed M, et al. (2025) Enhanced dynorphin expression and secretion in pancreatic beta-cells under hyperglycemic conditions. *Molecular metabolism*, 92, 102088.

Park YS, et al. (2025) IK Channel Confers Fine-tuning of Rod Bipolar Cell Excitation and Synaptic Transmission in the Retina. *Function (Oxford, England)*, 6(1).

Xue L, et al. (2025) A Novel Nuclear Protein Complex Controlling the Expression of Developmentally Regulated Genes in *Toxoplasma Gondii*. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(7), e2412000.

Ma C, et al. (2025) Metabolic Reprogramming of Macrophages by Biomimetic Melatonin-Loaded Liposomes Effectively Attenuates Acute Gouty Arthritis in a Mouse Model. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(7), e2410107.