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, database, analysis service resource, production service resource, data or information 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: 20260728T043216+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 nidm-terms .

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 ?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.

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

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.

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

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

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.

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.

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

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.

Oka F, et al. (2025) Stepwise Improvement of Cerebral Hemodynamics in Staged Angioplasty for Carotid Artery Stenosis. Neurologia medico-chirurgica, 65(1), 22.

Uzeda MJ, et al. (2025) Evaluating the effectiveness of low-level laser therapy in patients undergoing lower third molar extraction: A double-blinded randomized controlled trial. Medicina oral, patologia oral y cirugia bucal, 30(1), e129.

Brown CR, et al. (2025) Palmitoylation regulates norepinephrine transporter uptake, surface localization, and total expression with pathogenic implications in postural orthostatic tachycardia syndrome. Journal of neurochemistry, 169(2), e16241.

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

Melo Garcia L, et al. (2025) Overcoming CD226-related immune evasion in acute myeloid leukemia with CD38 CAR-engineered NK cells. Cell reports, 44(1), 115122.

Baek SH, et al. (2025) A Novel RAGE Modulator Induces Soluble RAGE to Reduce BACE1 Expression in Alzheimer's Disease. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(8), e2407812.

Rong X, et al. (2025) Microglial activation and hypothalamic structural plasticity in HFD obesity: insights from semaglutide and minocycline. Journal of lipid research, 66(2), 100736.

Kirchhoff A, et al. (2025) RNA-binding proteins hnRNPM and ELAVL1 promote type-I interferon induction downstream of the nucleic acid sensors cGAS and RIG-I. The EMBO journal, 44(3), 824.