Resource Summary Report

Generated by T1D on Aug 27, 2026

JASPAR

RRID:SCR_003030
Type: Tool

Proper Citation

JASPAR (RRID:SCR_003030)

Resource Information

URL: http://jaspar.genereg.net

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Description: Open source database of curated, non-redundant set of profiles derived from published collections of experimentally defined transcription factor binding sites for multicellular eukaryotes. Consists of open data access, non-redundancy and quality. JASPAR CORE is smaller set that is non-redundant and curated. Collection of transcription factor DNA-binding preferences, modeled as matrices. These can be converted into Position Weight Matrices (PWMs or PSSMs), used for scanning genomic sequences. Web interface for browsing, searching and subset selection, online sequence analysis utility and suite of programming tools for genome-wide and comparative genomic analysis of regulatory regions. New functions include clustering of matrix models by similarity, generation of random matrices by sampling from selected sets of existing models and a language-independent Web Service applications programming interface for matrix retrieval.

Abbreviations: JASPAR

Synonyms: JASPAR, JASPAR CORE, JASPAR CORE database, JASPAR database

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

Defining Citation: PMID:18006571, PMID:16381983, PMID:14681366

Keywords: structural class, transcription factor binding site, profile, regulatory region, genome, genomic, matrix, transcription factor, binding site, dna, FASEB list

Funding: Carlsberg Foundation ;
EMBRACEa Sixth Framework Network of Excellence ;
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Sars Centre

Availability: Free, Freely available

Resource Name: JASPAR

Resource ID: SCR_003030

Alternate IDs: r3d100010091, OMICS_00538, nif-0000-03061

Alternate URLs: https://doi.org/10.17616/R3QC7R

Old URLs: http://129.177.120.189/cgi-bin/jaspar2010/jaspar_db.pl, http://jaspar.cgb.ki.se

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260821T193655+0000

Ratings and Alerts

No rating or validation information has been found for JASPAR.

No alerts have been found for JASPAR.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5785 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Xu M, et al. (2026) UFMylation Suppresses Hepatocellular Carcinoma Metastasis by Inhibiting ?-Catenin-Driven Hybrid EMT and NK Cell Evasion. Cancer research, 86(13), 3213.

Sævarsson T, et al. (2026) Enhanced IFNy response in dedifferentiated melanoma cells is due to chromatin remodeling as revealed by ATAC-seq. Cell communication and signaling : CCS, 24(1).

Nishiike Y, et al. (2026) Brain-derived estrogens facilitate male-typical behaviors by potentiating androgen receptor signaling in medaka. eLife, 13.

Kempynck N, et al. (2026) CREsted: modeling genomic and synthetic cell-type-specific enhancers across tissues and species. Nature methods, 23(5), 946.

Wang K, et al. (2026) Ontogeny Dictates Oncogenic Potential, Lineage Hierarchy, and Therapy Response in Pediatric Leukemia. Cancer discovery, 16(3), 541.

Chen H, et al. (2026) Genome-wide rotational and translational phasing of nucleosomes with human transcription factors. Molecular cell, 86(14), 2722.

Ishikawa A, et al. (2026) IL-15 and IL-21 synergy improves anti-tumor efficacy of iPSC-derived cytotoxic T cells in solid tumors. Molecular therapy : the journal of the American Society of Gene Therapy.

Li Z, et al. (2026) Adaptive evolution of gene regulatory networks in mammalian neocortex. Nature, 653(8113), 156.

Ding Z, et al. (2026) TRAPPC4 Promotes GPX4 Stability to Drive Ferroptosis Resistance and Tumor Progression in Head and Neck Squamous Cell Carcinoma. Cancer research, 86(14), 3436.

Choudhury PR, et al. (2026) Atorvastatin pre-exposure in hypercholesterolemia remedies 27HC mediated dendritic cell dysfunctions in triple-negative breast cancer. Molecular therapy. Oncology, 34(3), 201250.

Roger E, et al. (2026) ATM Deficiency Induces TGF?-Mediated Stromal Programming in Pancreatic Cancer. Cancer research, 86(14), 3412.

Kobayashi H, et al. (2026) Netrin-1 Promotes Pancreatic Tumorigenesis and Innervation through NEO1. Cancer research, 86(8), 1883.

Liu H, et al. (2026) C9orf72 hexanucleotide repeat RNA drives transcriptional dysregulation through genome-wide DNA:RNA hybrid G-quadruplexes. Neuron, 114(6), 1045.

He J, et al. (2026) UBE2B Drives NF-?B Signaling and Gastric Cancer Progression through BIRC2-Mediated K63-Linked Ubiquitination of TRAF1. Molecular cancer research : MCR, 24(6), 487.

Kim J, et al. (2026) Electromagnetic field-inducible in vivo gene switch for remote spatiotemporal control of gene expression. Cell, 189(11), 3465.

Al Souz J, et al. (2026) Organ injury in systemic autoimmunity is mediated by stem-like CD8+ T cells arising from tissue-draining lymph nodes. Immunity, 59(6), 1667.

Vuong TT, et al. (2026) DNA Methyltransferase Inhibition Prevents Platinum-Induced Ovarian Cancer Stem Cell Enrichment. Cancer research communications, 6(7), 1721.

Kobayashi H, et al. (2026) A self-amplifying nerve-fibroblast circuit drives colorectal cancer progression. Cancer cell.

Gao Y, et al. (2026) Hypoxia Triggers ALYREF-Mediated m5C Methylation of KIF20A to Activate KIF20A/BUB1 for Generating Ferroptosis Resistance in Cervical Cancer Cells. The Kaohsiung journal of medical sciences, 42(1), e70093.

Hong J, et al. (2026) AARS1-mediated lactylation of H3K18 and STAT1 promotes ferroptosis in diabetic nephropathy. Cell death and differentiation, 33(3), 589.