Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 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: service resource, data analysis service, data or information resource, database, production service resource, analysis 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: Novo Nordisk Foundation ;
European Union ;
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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: 20260731T042640+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 4766 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

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

Cui Y, et al. (2026) MicroRNA?199a?3p suppresses non?small cell lung cancer progression by targeting FTO to enhance m6A?mediated downregulation of MZF1 and its transcriptional activation of CLDND1. Molecular medicine reports, 33(1).

Tian Y, et al. (2026) Fine mapping regulatory variants by characterizing native CpG methylation with nanopore long-read sequencing. HGG advances, 7(1), 100532.

Liu S, et al. (2026) Clinical significance and molecular mechanism of CDX2-CBX3 regulatory axis in lung adenocarcinoma progression. Translational oncology, 63, 102590.

Jiang M, et al. (2026) SIRT6-Mediated Regulation of TFAM: A Central Mechanism Connecting Nuclear and Mitochondrial Transcriptional Processes and Mitophagy. International journal of biological sciences, 22(1), 178.

Ni J, et al. (2026) Targeting Myeloid FoxO1 Ameliorates Sepsis-induced Intestinal Injury by Modulating Tim4+ Macrophage Glycolysis. International journal of biological sciences, 22(1), 239.

Yang S, et al. (2026) Identification of Notch pathway-related biomarkers in patients with idiopathic pulmonary fibrosis. PloS one, 21(1), e0339287.

Chen X, et al. (2026) Identification of candidate genes for hypoxic adaptation through transcriptomic data of embryo hearts in Xueyu White Chickens. Poultry science, 105(1), 106078.

Shen M, et al. (2026) H3K9 acetylation-dependent CHAC1 transcription in dihydroartemisinin-induced hepatic stellate cell ferroptosis. Chinese medical journal, 139(1), 93.

Zhu Z, et al. (2026) EP300/YAP1-SERPINE1 Signaling Regulates Ductular Reaction and Liver Fibrosis in Biliary Atresia. Cellular and molecular gastroenterology and hepatology, 20(1), 101640.

Li J, et al. (2026) Synaptotagmin-7 drives stress-induced cardiomyocyte necroptosis via the p53-Bak-mPTP axis. Theranostics, 16(5), 2517.

Takeuchi C, et al. (2026) Comprehensive perturbation of transcription factors in human cardiomyocytes reveals the regulatory architecture of congenital heart disease. bioRxiv : the preprint server for biology.

Wang Z, et al. (2026) Multidimensional mapping of stimulation-responsive regulatory elements and candidate causal variants in T cell activation. Science advances, 12(1), eady2539.

Xiong Z, et al. (2026) C/EBP?-induced alternative splicing of RCAN1 generates a potent TCR-T target in mesenchymal glioblastoma. Cellular & molecular immunology, 23(1), 94.

Silva-Llanes I, et al. (2026) GASDERMIN D-mediated pyroptosis as a therapeutic target in TAU-dependent frontotemporal dementia mouse model. Journal of biomedical science, 33(1), 6.

Meng Y, et al. (2026) c?Myc?regulated RPLP0 via the ROS?mediated JAK2/STAT3 positive feedback loop facilitates hepatocellular carcinoma malignancy progression. International journal of oncology, 68(1).

Liu Z, et al. (2026) PBX1 Improves Cognition and Reduces Amyloid-? Pathology in APP/PS1 Mice by Transcriptionally Activating the CRTC2-CREB Pathway. Aging cell, 25(1), e70311.

Wang F, et al. (2026) Regulation and reversal of paclitaxel resistance via the STAT1?mediated apoptotic pathway in ovarian cancer. International journal of oncology, 68(2).

Qu Y, et al. (2026) Targeting NDUFS8 in basal forebrain ameliorates cognitive decline related to chronic cerebral hypoperfusion. Theranostics, 16(3), 1328.

Yu JZ, et al. (2026) Interaction between ZMIZ2 and AR promotes prostate cancer proliferation in vitro and in vivo. Cancer biology & therapy, 27(1), 2604936.