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 CORE database, JASPAR CORE, JASPAR database, JASPAR

Resource Type: data analysis service, production service resource, database, analysis service resource, data or information 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 Agency:** Novo Nordisk Foundation, European Union, EMBRACEa Sixth Framework Network of Excellence, Sars Centre, Carlsberg Foundation

**Availability:** Free, Freely available

**Resource Name:** JASPAR

**Resource ID:** SCR_003030

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

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

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**Ratings and Alerts**

No rating or validation information has been found for JASPAR.

No alerts have been found for JASPAR.

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**Data and Source Information**

**Source:** SciCrunch Registry

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**Usage and Citation Metrics**

We found 2909 mentions in open access literature.

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

Yamamoto T, et al. (2023) RIP140 deficiency enhances cardiac fuel metabolism and protects mice from heart failure. The Journal of clinical investigation, 133(9).


Zhou Q, et al. (2023) Multidimensional conservation analysis decodes the expression of conserved long noncoding RNAs. Life science alliance, 6(6).


Wang C, et al. (2023) Cis- and Trans-variations of Stearoyl-CoA Desaturase Provide New Insights into the Mechanisms of Diverged Pattern of Phenotypic Plasticity for Temperature...
Adaptation in Two Congeneric Oyster Species. Molecular biology and evolution, 40(2).


Zhou J, et al. (2023) The long noncoding RNA THBS1-AS1 promotes cardiac fibroblast activation in cardiac fibrosis by regulating TGFBR1. JCI insight, 8(6).

Lu K, et al. (2023) Upregulation of ?-catenin signaling represents a single common pathway leading to the various phenotypes of spinal degeneration and pain. Bone research, 11(1), 18.


Li SH, et al. (2023) Down-regulation and clinical significance of Sorbin and SH3 domain-containing protein 1 in bladder cancer tissues. IET systems biology, 17(2), 70.


Li J, et al. (2023) Radiation induces IRAK1 expression to promote radioresistance by suppressing autophagic cell death via decreasing the ubiquitination of PRDX1 in glioma cells. Cell death & disease, 14(4), 259.


