Resource Summary Report

Generated by dkNET on Apr 29, 2025

oPOSSUM

RRID:SCR_010884

Type: Tool

Proper Citation

oPOSSUM (RRID:SCR_010884)

Resource Information

URL: http://opossum.cisreg.ca

Proper Citation: oPOSSUM (RRID:SCR_010884)

Description: A web-based system for the detection of over-represented conserved transcription factor binding sites and binding site combinations in sets of genes or sequences.

Abbreviations: oPOSSUM

Synonyms: oPOSSUM-3

Resource Type: service resource, production service resource, data analysis service,

analysis service resource, software resource

Defining Citation: PMID:22973536, PMID:17576675, PMID:15933209

Keywords: transcription factor binding site

Funding:

Availability: Acknowledgement requested

Resource Name: oPOSSUM

Resource ID: SCR_010884

Alternate IDs: OMICS_00488

Record Creation Time: 20220129T080301+0000

Record Last Update: 20250429T055446+0000

Ratings and Alerts

No rating or validation information has been found for oPOSSUM.

No alerts have been found for oPOSSUM.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 101 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

Martínez-Ramos S, et al. (2023) HOXA5 is a key regulator of class 3 semaphorins expression in the synovium of rheumatoid arthritis patients. Rheumatology (Oxford, England), 62(7), 2621.

Rolver MG, et al. (2023) Chronic acidosis rewires cancer cell metabolism through PPAR? signaling. International journal of cancer, 152(8), 1668.

Caratti G, et al. (2023) Macrophagic AMPK?1 orchestrates regenerative inflammation induced by glucocorticoids. EMBO reports, 24(2), e55363.

Silva-García CG, et al. (2023) The CRTC-1 transcriptional domain is required for COMPASS complex-mediated longevity in C. elegans. Nature aging, 3(11), 1358.

Russell ND, et al. (2022) The dynamic effect of genetic variation on the in vivo ER stress transcriptional response in different tissues. G3 (Bethesda, Md.), 12(6).

Min S, et al. (2022) Heat shock protein 60 couples an oxidative stress-responsive p38/MK2 signaling and NF-?B survival machinery in cancer cells. Redox biology, 51, 102293.

Suleman S, et al. (2022) HIV- 1 lentivirus tethering to the genome is associated with transcription factor binding sites found in genes that favour virus survival. Gene therapy, 29(12), 720.

Gothe F, et al. (2022) Aberrant inflammatory responses to type I interferon in STAT2 or IRF9 deficiency. The Journal of allergy and clinical immunology, 150(4), 955.

Cook TM, et al. (2021) Vagal neuron expression of the microbiota-derived metabolite receptor, free fatty acid receptor (FFAR3), is necessary for normal feeding behavior.

Molecular metabolism, 54, 101350.

Li J, et al. (2021) Extensive Variation in Drought-Induced Gene Expression Changes Between Loblolly Pine Genotypes. Frontiers in genetics, 12, 661440.

Wang Z, et al. (2021) Fos Facilitates Gallid Alpha-Herpesvirus 1 Infection by Transcriptional Control of Host Metabolic Genes and Viral Immediate Early Gene. Viruses, 13(6).

Erdene-Ochir E, et al. (2021) Characterization of endogenous promoters of GapC1 and GS for recombinant protein expression in Phaeodactylum tricornutum. MicrobiologyOpen, 10(5), e1239.

Gu X, et al. (2021) Glucocorticoids Promote Extracellular Matrix Component Remodeling by Activating YAP in Human Retinal Capillary Endothelial Cells. Frontiers in cell and developmental biology, 9, 738341.

Venkatesh I, et al. (2021) Co-occupancy identifies transcription factor co-operation for axon growth. Nature communications, 12(1), 2555.

Khan F, et al. (2021) IBDDB: a manually curated and text-mining-enhanced database of genes involved in inflammatory bowel disease. Database: the journal of biological databases and curation, 2021.

Del Favero G, et al. (2021) Exploring the dermotoxicity of the mycotoxin deoxynivalenol: combined morphologic and proteomic profiling of human epidermal cells reveals alteration of lipid biosynthesis machinery and membrane structural integrity relevant for skin barrier function. Archives of toxicology, 95(6), 2201.

Matsumoto H, et al. (2021) HIVEP1 Is a Negative Regulator of NF-?B That Inhibits Systemic Inflammation in Sepsis. Frontiers in immunology, 12, 744358.

Ahmed A, et al. (2021) Maternal obesity persistently alters cardiac progenitor gene expression and programs adult-onset heart disease susceptibility. Molecular metabolism, 43, 101116.

Sharanek A, et al. (2021) Transcriptional control of brain tumor stem cells by a carbohydrate binding protein. Cell reports, 36(9), 109647.

Lowell JA, et al. (2021) Phenotypic Screening Following Transcriptomic Deconvolution to Identify Transcription Factors Mediating Axon Growth Induced by a Kinase Inhibitor. SLAS discovery: advancing life sciences R & D, 26(10), 1337.