

Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

Genomatix Software: Understanding Gene Regulation

RRID:SCR_008036

Type: Tool

Proper Citation

Genomatix Software: Understanding Gene Regulation (RRID:SCR_008036)

Resource Information

URL: <http://www.genomatix.de/>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on April 13, 2026. Genomatix is a privately held company that offers software, databases, and services aimed at understanding gene regulation at the molecular level representing a central part of systems biology. Its multilayer integrative approach is a working implementation of systems biology principles. Genomatix combines sequence analysis, functional promoter analysis, proprietary genome annotation, promoter sequence databases, comparative genomics, scientific literature data mining, pathway databases, biological network databases, pathway analysis, network analysis, and expression profiling into working solutions and pipelines. It also enables better understanding of biological mechanisms under different conditions and stimuli in the biological context of your data. Some of Genomatix' most valuable assets are the strong scientific background and the years of experience in research & discovery as well as in development & application of scientific software. Their firsthand knowledge of all the complexities involved in the in-silico analysis of biological data makes them a first-rate partner for all scientific projects involving the evaluation of gene regulatory mechanisms. The Genomatix team has more than a decade of scientific expertise in the successful application of computer aided analysis of gene regulatory networks, which is reflected by more than 150 peer reviewed scientific publications from Genomatix' scientists. More than 35,000 researchers in industry and academia around the world use this technology. The software available in Genomatix are: - GenomatixSuite: GenomatixSuite is our comprehensive software bundle including EIDorado, Gene2Promoter, GEMS Launcher, MatInspector and MatBase. GenomatixSuite PE also includes BiblioSphere Pathway Edition. Chromatin IP Software - RegionMiner: Fast, extensive analysis of genomic regions. - ChipInspector: Discover the real power of your microarray data. Genome Annotation Software - EIDorado: Extended Genome Annotation. - Gene2Promoter: Retrieve & analyze promoters - GPD: The

Genomatix Promoter Database, which is now included with Gene2Promoter. Knowledge Mining Software - BiblioSpere : The next level of pathway/genomics analysis. - LitInspector: Literature and pathway analysis for free. Sequence Analysis Software - GEMS Launcher: Our integrated collection of sequence analysis tools. - MallInspector: Search transcription factor binding sites - MatBase: The transcription factor knowledge base. Other (no registration required) Software - DiAlign: Multiple alignment of DNA/protein sequence. - Genomatix tools: Various small tools for sequence statistics, extraction, formatting, etc.

Synonyms: Genomatix

Resource Type: data analysis software, data or information resource, data processing software, database, narrative resource, portal, short course material, software application, software resource, topical portal, training material

Keywords: effect, expression, functional, gene, genome, alignment, analysis, annotation, biological, cascade, cell, data, dna, in-silico analysis, mechanism, metabolic pathway, microarray, mining, molecular, network, pathway, promoter, protein, region, regulation, scientific, sequence, signaling, software, stimulus, systems biology, technology, text mining, transcription, FASEB list

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Genomatix Software: Understanding Gene Regulation

Resource ID: SCR_008036

Alternate IDs: nif-0000-10236

Old URLs: <http://www.genomatix.de/products/index.html>

Record Creation Time: 20220129T080245+0000

Record Last Update: 20260905T132617+0000

Ratings and Alerts

No rating or validation information has been found for Genomatix Software: Understanding Gene Regulation.

No alerts have been found for Genomatix Software: Understanding Gene Regulation.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 887 mentions in open access literature.

Listed below are recent publications. The full list is available at [Kravitz](#) .

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

Chu WK, et al. (2025) Migration of primordial germ cells and their relationship of PGCs with sex development in transgenic germline-specific fluorescent freshwater angelfish (*Pterophyllum scalare*). *Scientific reports*, 15(1), 1308.

Singh B, et al. (2025) Interleukin-10 augments human endogenous retroviral E1B variant of cd5 in aged T cells. *Blood research*, 60(1), 43.

Yan J, et al. (2025) Doublesex and GATA⁴ synergistically regulate the sex-dimorphic expression of storage protein 1 in *Bombyx mori*. *PLoS genetics*, 21(7), e1011762.

Miao J, et al. (2025) Artesunate Inhibits Neointimal Hyperplasia by Promoting IRF4 Associated Macrophage Polarization. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(19), e2408992.

Mohylyak I, et al. (2025) Temporal transcriptional regulation of mitochondrial morphology primes activity-dependent circuit connectivity. *Nature communications*, 16(1), 8173.

Orlovsky K, et al. (2024) Runx3, Brn3a and Isl1 interplay orchestrates the transcriptional program in the early stages of proprioceptive neuron development. *PLoS genetics*, 20(12), e1011401.

Suchanski J, et al. (2024) Galactosylceramide Upregulates the Expression of the BCL2 Gene and Downregulates the Expression of TNFRSF1B and TNFRSF9 Genes, Acting as an Anti-Apoptotic Molecule in Breast Cancer Cells. *Cancers*, 16(2).

Xiao F, et al. (2024) FOXO3/Rab7-Mediated Lipophagy and Its Role in Zn-Induced Lipid Metabolism in Yellow Catfish (*Pelteobagrus fulvidraco*). *Genes*, 15(3).

Sun X, et al. (2024) Genetic and epigenetic regulation of cortactin (CTTN) by inflammatory factors and mechanical stress in human lung endothelial cells. *Bioscience reports*, 44(9).

Shen J, et al. (2024) SM22⁺ deficiency: promoting vascular fibrosis via SRF-SMAD3-mediated activation of Col1a2 transcription following arterial injury. *Research square*.

Borlak J, et al. (2024) The Abl1 tyrosine kinase is a key player in doxorubicin-induced cardiomyopathy and its p53/p73 cell death mediated signaling differs in atrial and ventricular cardiomyocytes. *Journal of translational medicine*, 22(1), 845.

Kaushik P, et al. (2024) miR-198 targets TOPORS: implications for oral squamous cell carcinoma pathogenesis. *Frontiers in oncology*, 14, 1485802.

Houzelstein D, et al. (2024) A conserved NR5A1-responsive enhancer regulates SRY in testis-determination. *Nature communications*, 15(1), 2796.

Li Y, et al. (2024) CYLD induces high oxidative stress and DNA damage through class I HDACs to promote radiosensitivity in nasopharyngeal carcinoma. *Cell death & disease*, 15(1), 95.

Zand H, et al. (2024) TNF- α -Induced NF- κ B Alter the Methylation Status of Some Stemness Genes in HT-29 Human Colon Cancer Cell. *Advanced biomedical research*, 13, 114.

Woo MS, et al. (2024) E2F3a activates Gadd45b gene expression through PPAR γ -mediated transcriptional regulation in hepatic cells. *Molecules and cells*, 47(12), 100148.

Khambu B, et al. (2023) NRF2 transcriptionally regulates Caspase-11 expression to activate HMGB1 release by Autophagy-deficient hepatocytes. *Cell death discovery*, 9(1), 270.

Witman N, et al. (2023) Placental growth factor exerts a dual function for cardiomyogenesis and vasculogenesis during heart development. *Nature communications*, 14(1), 5435.

Worku D, et al. (2023) Genetic variation in promoter region of the bovine LAP3 gene associated with estimated breeding values of milk production traits and clinical mastitis in dairy cattle. *PloS one*, 18(5), e0277156.