

Resource Summary Report

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Athena

RRID:SCR_008110

Type: Tool

Proper Citation

Athena (RRID:SCR_008110)

Resource Information

URL: <http://www.bioinformatics2.wsu.edu/cgi-bin/Athena/cgi/home.pl>

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Description: Athena is a web-based application that warehouses disparate datatypes related to the control of gene expression. Athena provides several features to enable exploration of the regulatory mechanisms of Arabidopsis gene control. The first main tool we provide is visualization of promoter domains of selected genes. Database crossreference for these transcription factors is provided as well as a statistical test for enrichment of binding activity within the set of selected promoters. The data mining tools in Athena allow for selection of sets of genes based on two different factors. -Genes can be select by specifying a set of binding factors whose putative sites must be present within all of those genes" promoter regions. -Alternatively, genes can be selected using Gene Ontology annotations. Both GO (Gene Ontology) Slim terms and Gene Ontology terms are available. One can select a set of genes by either choosing a union of the genes annotated by a selected set of Slim terms or Gene Ontology terms. The selected gene"s putative binding factors are listed, including enrichment data. Furthermore, enriched presence of Gene Ontology terms is given. The analysis suite provides both enhanced data mining tools for selecting genes as well as several data displays., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Synonyms: Athena

Resource Type: database, data or information resource

Keywords: gene control, gene expression, arabidopsis, binding factor, regulatory mechanism, ontology, bio.tools, FASEB list

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Athena

Resource ID: SCR_008110

Alternate IDs: nif-0000-20815, biotools:Athena

Alternate URLs: <https://bio.tools/Athena>

Record Creation Time: 20220129T080245+0000

Record Last Update: 20260807T042706+0000

Ratings and Alerts

No rating or validation information has been found for Athena.

No alerts have been found for Athena.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 495 mentions in open access literature.

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

Holstun T, et al. (2025) Accelerating the Electrochemical Formation of the γ Phase in Manganese-Rich Rocksalt Cathodes. *Advanced materials* (Deerfield Beach, Fla.), 37(6), e2412871.

Zhang Z, et al. (2025) Anion vacancies activate N₂ to ammonia on Ba-Si orthosilicate oxynitride-hydride. *Nature chemistry*, 17(5), 679.

Li H, et al. (2025) Tuning Li occupancy and local structures for advanced Co-free Ni-rich positive electrodes. *Nature communications*, 16(1), 2203.

Zhou W, et al. (2025) A Strongly Coupled Cluster Heterostructure with Pt-N-Mo Bonding for Durable and Efficient H₂ Evolution in Anion-Exchange Membrane Water Electrolyzers. *Nano-micro letters*, 17(1), 296.

Braga AH, et al. (2025) Volcano-like Activity Trends in Au@Pd Catalysts: The Role of Pd Loading and Nanoparticle Size. *Chemphyschem : a European journal of chemical physics and physical chemistry*, 26(16), e202500164.

Yao Y, et al. (2025) Suppressing CO_x in oxidative dehydrogenation of propane with dual-atom catalysts. *Nature communications*, 16(1), 4639.

Kreider ME, et al. (2025) Porous Transport Layers for Anion Exchange Membrane Water Electrolysis: The Impact of Morphology and Composition. *ACS electrochemistry*, 1(6), 897.

Guo Q, et al. (2025) Cation-self-shielding strategy promises high-voltage all-Prussian-blue-based aqueous K-ion batteries. *Nature communications*, 16(1), 4707.

Raymond C, et al. (2025) Super-resolution sodium MRI of human gliomas at 3T using physics-based generative artificial intelligence. *Journal of neuro-oncology*, 174(3), 653.

Boyd A, et al. (2025) Low coverage of hepatitis D virus testing in individuals with hepatitis B virus and HIV, the Netherlands, 2000 to 2022. *Euro surveillance : bulletin Europeen sur les maladies transmissibles = European communicable disease bulletin*, 30(7).

Huang J, et al. (2025) Enhanced specific energy in fast-charging lithium-ion batteries negative electrodes via Ti-O covalency-mediated low potential. *Nature communications*, 16(1), 6243.

Choi M, et al. (2025) Highlighting Charge Redistribution Phenomenon in Mn-Based Prussian Blue Analogues for Enhancing Redox Stability. *ChemSusChem*, 18(12), e202500564.

Lluna-Galán C, et al. (2025) Building lactams by highly selective hydrodeoxygenation of cyclic imides using an alumina-supported AgRe bimetallic nanocatalyst. *Nature communications*, 16(1), 4119.

Ma W, et al. (2025) Encapsulated Co-Ni alloy boosts high-temperature CO₂ electroreduction. *Nature*, 641(8065), 1156.

Kirchhof P, et al. (2025) Dronedarone provides effective early rhythm control: post-hoc analysis of the ATHENA trial using EAST-AFNET 4 criteria. *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*, 27(4).

Bae S, et al. (2025) STopover captures spatial colocalization and interaction in the tumor microenvironment using topological analysis in spatial transcriptomics data. *Genome medicine*, 17(1), 33.

Cheng Q, et al. (2025) Highly efficient catalytic propane dehydrogenation driven by MFI zeolite defect sites. *Nature communications*, 16(1), 5696.

Cruz D, et al. (2025) Carbon nitride caught in the act of artificial photosynthesis. *Nature communications*, 16(1), 374.

Wang T, et al. (2025) Bioinspired artificial antioxidases for efficient redox homeostasis and maxillofacial bone regeneration. *Nature communications*, 16(1), 856.

Colalongo M, et al. (2025) Operando Investigation of Zr Doping in NMC811 Cathode for High Energy Density Lithium Ion Batteries. *ChemSusChem*, 18(8), e202401796.