Resource Summary Report

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ERGO

RRID:SCR_001243
Type: Tool

Proper Citation

ERGO (RRID:SCR_001243)

Resource Information

URL: http://igenbio.com/

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Description: A web-based genome analysis platform that integrates proprietary functional genomic data, metabolic reconstructions, expression profiling, and biochemical and microbiological data with publicly available information. Focused on microbial genomics, it provides better and faster identification of gene function across all organisms. Building upon a comprehensive genomic database integrated with a collection of microbial metabolic and non-metabolic pathways and using proprietary algorithms, it assigns functions to genes, integrates genes into pathways, and identifies previously unknown or mischaracterized genes, cryptic pathways and gene products. . * Automated and manual annotation of genes and genomes * Analysis of metabolic and non-metabolic pathways to understand organism physiology * Comparison of multiple genomes to identify shared and unique features and SNPs * Functional analysis of gene expression microarray data * Data-mining for target gene discovery * In silico metabolic engineering and strain improvement

Abbreviations: ERGO

Synonyms: ERGO Genome Analysis and Discovery System, ERGO Genome Analysis & Discovery System

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

Keywords: genome analysis, genome, annotation, database, software, comparative genomics, function, gene, pathway, gene expression, microarray, FASEB list

Availability: Restricted

Resource Name: ERGO

Resource ID: SCR_001243

Alternate IDs: OMICS_02097

Record Creation Time: 20220129T080206+0000

Record Last Update: 20260728T043109+0000

Ratings and Alerts

No rating or validation information has been found for ERGO.

No alerts have been found for ERGO.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 66 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Bandyopadhyay S, et al. (2025) Distinct Cytokine Responses in Central and Systemic Compartments after Subarachnoid Haemorrhage. Translational stroke research, 16(5), 1766.

Zhang K, et al. (2025) Natural variability of lung function in primary ciliary dyskinesia: longitudinal analysis from the PROVALF-PCD cohort. ERJ open research, 11(3).

D??az-Delgado E, et al. (2025) Potential metabolic records in isotope signals of chondrichthyan hard tissues. Journal of fish biology, 107(3), 1001.

Gupta S, et al. (2025) Perspectives on electron transfer kinetics across graphene-family nanomaterials and interplay of electronic structure with defects and quantum capacitance. Scientific reports, 15(1), 19722.

Savin TV, et al. (2025) Development and Clinical Validation of a Skin Test for In Vivo Assessment of SARS-CoV-2 Specific T-Cell Immunity. Viruses, 17(9).

Tomsho KS, et al. (2025) Exploring associations between the Phthalate Environmental Reproductive Health Literacy (PERHL) scale & biomarkers of phthalate exposure: A pilot study. Journal of exposure science & environmental epidemiology, 35(4), 619.

Tan LL, et al. (2025) Electrochemically reduced graphene oxide integrated with carboxylated-8-carboxamidoquinoline: A platform for highly sensitive voltammetric detection of Zn(II) ion by screen-printed carbon electrode. PloS one, 20(2), e0315974.

Castorina LV, et al. (2025) Assessing the generalization capabilities of TCR binding predictors via peptide distance analysis. PloS one, 20(5), e0324011.

Que J, et al. (2025) Identifying T cell antigen at the atomic level with graph convolutional network. Nature communications, 16(1), 5171.

Tomsho KS, et al. (2024) Development of a Phthalate Environmental Reproductive Health Literacy (PERHL) Scale. Environmental health perspectives, 132(4), 47013.

Martinez O, et al. (2024) Comparison of Yamuna (India) and Mississippi River (United States of America) bacterial communities reveals greater diversity below the Yamunotri Glacier. PloS one, 19(7), e0304664.

Akyilmaz I, et al. (2024) Precision phenylalanine sensing in blood with nanomaterial-enhanced electrodes. RSC advances, 14(41), 29874.

Bae K, et al. (2024) Concurrent validity and test reliability of the deep learning markerless motion capture system during the overhead squat. Scientific reports, 14(1), 29462.

Oh DE, et al. (2024) Electrochemical DNA Cleavage Sensing for EcoRV Activity and Inhibition with an ERGO Electrode. Biosensors, 14(2).

Ishimoto T, et al. (2024) TrkB phosphorylation in serum extracellular vesicles correlates with cognitive function enhanced by ergothioneine in humans. NPJ science of food, 8(1), 11.

Yang B, et al. (2024) A correlative study of the genomic underpinning of virulence traits and drug tolerance of Candida auris. Infection and immunity, 92(6), e0010324.

Li J, et al. (2024) Sensitive detection of gallic acid in food by electrochemical sensor fabricated by integrating nanochannel film with nanocarbon nanocomposite. Frontiers in nutrition, 11, 1491345.

Tobin EE, et al. (2024) Omics-driven onboarding of the carotenoid producing red yeast Xanthophyllomyces dendrorhous CBS 6938. Applied microbiology and biotechnology, 108(1), 547.

Plumb JOM, et al. (2023) Cardiopulmonary exercise testing before and after intravenous iron in preoperative patients: a prospective clinical study. Perioperative medicine (London, England), 12(1), 31.

John AJUK, et al. (2023) An evaluation of mechanical and biophysical skin parameters at different body locations. Skin research and technology : official journal of International Society for Bioengineering and the Skin (ISBS) [and] International Society for Digital Imaging of Skin (ISDIS) [and] International Society for Skin Imaging (ISSI), 29(2), e13292.