

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDI Lab - SciCrunch.org) on Apr 11, 2025

## GeneCodis

RRID:SCR\_006943

Type: Tool

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### Proper Citation

GeneCodis (RRID:SCR\_006943)

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### Resource Information

**URL:** <http://genecodis.cnb.csic.es/>

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**Description:** Web-based tool for the ontological analysis of large lists of genes. It can be used to determine biological annotations or combinations of annotations that are significantly associated to a list of genes under study with respect to a reference list. As well as single annotations, this tool allows users to simultaneously evaluate annotations from different sources, for example Biological Process and Cellular Component categories of Gene Ontology.

**Abbreviations:** GeneCodis

**Synonyms:** Gene annotations co-occurrence discovery, GeneCodis - Gene annotations co-occurrence discovery

**Resource Type:** analysis service resource, data access protocol, web service, data analysis service, service resource, software resource, production service resource

**Defining Citation:** [PMID:22573175](https://pubmed.ncbi.nlm.nih.gov/22573175/), [PMID:19465387](https://pubmed.ncbi.nlm.nih.gov/19465387/), [PMID:17204154](https://pubmed.ncbi.nlm.nih.gov/17204154/)

**Keywords:** functional analysis, gene, annotation, statistical analysis, functional genomics, bio.tools

**Funding:** Juan de la Cierva research program ;  
Spanish Minister of Science and Innovation BIO2010-17527;  
Government of Madrid P2010/BMD-2305

**Availability:** Free for academic use, Acknowledgement requested

**Resource Name:** GeneCodis

**Resource ID:** SCR\_006943

**Alternate IDs:** OMICS\_02221, biotools:genecodis3, nlx\_149254

**Alternate URLs:** <https://bio.tools/genecodis3>

**Record Creation Time:** 20220129T080239+0000

**Record Last Update:** 20250411T055132+0000

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## Ratings and Alerts

No rating or validation information has been found for GeneCodis.

No alerts have been found for GeneCodis.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 336 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Fujii D, et al. (2025) Aged garlic extract enhances the production of ??defensin 4 via activation of the Wnt/??catenin pathway in mouse gingiva. *Experimental and therapeutic medicine*, 29(2), 41.

Gurung RL, et al. (2025) Plasma Proteomics of Diabetic Kidney Disease Among Asians With Younger-Onset Type 2 Diabetes. *The Journal of clinical endocrinology and metabolism*, 110(2), e239.

Shukla M, et al. (2024) Metabolic reprogramming and signalling cross-talks in tumour-immune interaction: a system-level exploration. *Royal Society open science*, 11(3), 231574.

Fuller OK, et al. (2024) Exercise training improves long-term memory in obese mice. *Life metabolism*, 3(1), load043.

Sun R, et al. (2024) Transcriptome Sequencing Identifies Abnormal lncRNAs and mRNAs and Reveals Potentially Hub Immune-Related mRNA in Osteoporosis with Vertebral Fracture. *Clinical interventions in aging*, 19, 203.

Gómez Hernández G, et al. (2024) Bank1 modulates the differentiation and molecular profile of key B cell populations in autoimmunity. *JCI insight*, 9(19).

Fei Q, et al. (2024) A pan-cancer characterization of immune-related NFIL3 identifies potential predictive biomarker. *Journal of Cancer*, 15(5), 1271.

Galanis E, et al. (2024) Carcinoembryonic antigen-expressing oncolytic measles virus derivative in recurrent glioblastoma: a phase 1 trial. *Nature communications*, 15(1), 493.

Abusaliya A, et al. (2024) Transcriptome analysis revealed the genes and major pathways involved in prunetrin treated hepatocellular carcinoma cells. *Frontiers in pharmacology*, 15, 1400186.

Díez-Sainz E, et al. (2024) MicroRNAs from edible plants reach the human gastrointestinal tract and may act as potential regulators of gene expression. *Journal of physiology and biochemistry*, 80(3), 655.

Amaro-Prellezo E, et al. (2024) Extracellular vesicles from dental pulp mesenchymal stem cells modulate macrophage phenotype during acute and chronic cardiac inflammation in athymic nude rats with myocardial infarction. *Inflammation and regeneration*, 44(1), 25.

Flook M, et al. (2024) Cytokine profiling and transcriptomics in mononuclear cells define immune variants in Meniere Disease. *Genes and immunity*, 25(2), 124.

Lee HJ, et al. (2024) Pectolarigenin regulates the tumor-associated proteins in AGS-xenograft BALB/c nude mice. *Molecular biology reports*, 51(1), 305.

Busby L, et al. (2024) Intrinsic and extrinsic cues time somite progenitor contribution to the vertebrate primary body axis. *eLife*, 13.

Amargant F, et al. (2024) Systemic low-dose anti-fibrotic treatment attenuates ovarian aging in the mouse. *bioRxiv : the preprint server for biology*.

Mitsueda R, et al. (2024) Identification of Tumor-Suppressive miR-30a-3p Controlled Genes: ANLN as a Therapeutic Target in Breast Cancer. *Non-coding RNA*, 10(6).

Mullari M, et al. (2023) Characterising the RNA-binding protein atlas of the mammalian brain uncovers RBM5 misregulation in mouse models of Huntington's disease. *Nature communications*, 14(1), 4348.

Jia N, et al. (2023) Metabolic reprogramming of proinflammatory macrophages by target delivered roburic acid effectively ameliorates rheumatoid arthritis symptoms. *Signal transduction and targeted therapy*, 8(1), 280.

Ma TS, et al. (2023) Hypoxia-induced transcriptional stress is mediated by ROS-induced R-loops. *Nucleic acids research*, 51(21), 11584.

Coupe N, et al. (2023) WNT5A-ROR2 axis mediates VEGF dependence of BRAF mutant melanoma. *Cellular oncology (Dordrecht)*, 46(2), 391.