

Resource Summary Report

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Bioinformatics Gent

RRID:SCR_010251

Type: Tool

Proper Citation

Bioinformatics Gent (RRID:SCR_010251)

Resource Information

URL: <http://bioinformatics.psb.ugent.be/>

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Description: A University of Ghent center of excellence in the fields of gene prediction and genome annotation, comparative and evolutionary genomics, and systems biology. The team is involved in many international genome projects and has a particular interest in genome evolution and gene and genome duplication events.

Synonyms: Bioinformatics and Evolutionary Genomics group, Bioinformatics and Systems Biology Group

Resource Type: data or information resource, software repository, software resource, organization portal, portal

Resource Name: Bioinformatics Gent

Resource ID: SCR_010251

Alternate IDs: nlx_156896

Record Creation Time: 20220129T080257+0000

Record Last Update: 20260819T044305+0000

Ratings and Alerts

No rating or validation information has been found for Bioinformatics Gent.

No alerts have been found for Bioinformatics Gent.

Data and Source Information

Usage and Citation Metrics

We found 136 mentions in open access literature.

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

Ju H, et al. (2026) Genome-Wide Identification and Expression Analysis of the Xyloglucan Endotransglucosylase/Hydrolase Gene Family in *Manihot esculenta*. *Genes*, 17(6).

Khan M, et al. (2026) Pathogenic fungus *Ustilago maydis* exploits the lateral root regulators to induce pluripotency in maize shoots. *The New phytologist*, 249(6), 2974.

Wei Y, et al. (2026) The identification of gibberellin 2-oxidase gene family in cotton and functional analysis. *BMC plant biology*, 26(1).

Wu Y, et al. (2026) Genome-wide identification and salt stress response analysis of the WD40 protein family in *Populus yunnanensis*. *BMC genomics*, 27(1), 207.

Yu G, et al. (2026) OsOFP3 Negatively Regulates Heat Stress Tolerance by Modulating H₂O₂ Homeostasis and Stomatal Aperture in Rice. *Antioxidants* (Basel, Switzerland), 15(3).

Zhang C, et al. (2026) TKNACs Heterodimerization and Methyl Jasmonate Signaling Synergistically Mediate Root Development in *Taraxacum kok-saghyz*. *Plants* (Basel, Switzerland), 15(12).

Carvalho JC, et al. (2026) Seasonal Changes in the Seminal Plasma Proteome of the Crab-Eating Fox (*Cerdocyon thous*). *Journal of proteome research*, 25(2), 723.

Tian J, et al. (2025) The expression of Aldo-keto reductase gene OsKOB1 coordinates ABA homeostasis and antioxidant defense to maintain seed vigor under osmotic stress. *Scientific reports*, 15(1), 27413.

Wang P, et al. (2025) Genome-wide identification and characterization of ALKB homolog gene family in wheat (*Triticum aestivum* L.). *Frontiers in plant science*, 16, 1544879.

Zhang Y, et al. (2025) Comprehensive analysis of SPL gene family and miR156a/SPLs in the regulation of terpenoid indole alkaloid biosynthesis in *Catharanthus roseus* L. *BMC plant biology*, 25(1), 817.

Wang J, et al. (2025) Identification of *Ziziphus jujuba* cv. Dongzao DNA Demethylase ZjROS1 Gene Family and Construction of CRISPR/Cas9-Mediated Gene-Editing Vector. *Genes*, 16(2).

Bogard G, et al. (2025) Impact of aging on gut-lung-adipose tissue interactions and lipid metabolism during influenza infection in mice. *Scientific reports*, 15(1), 37414.

Yu Y, et al. (2025) Research on the Antiaging Activity of Licorice Water Extract in Aging Mice via Antioxidation, Neuronal Protection, Gut Microbiota Restoration, and

PI3K/AKT/mTOR Modulation. Mediators of inflammation, 2025, 8844859.

Ren NP, et al. (2025) The alfalfa AP2/ERF transcription factor MsCBF4 enhances frost tolerance in *Arabidopsis thaliana*. BMC plant biology, 25(1), 1763.

Zhang Z, et al. (2025) Genome-Wide Identification of the ABF/AREB/ABI5 Gene Family in *Ziziphus jujuba* cv. Dongzao and Analysis of Its Response to Drought Stress. Genes, 16(7).

Shi Y, et al. (2025) Mechanism of endogenous hormones regulating gallic acid biosynthesis during the development of buds and leaves in tea plant (*Camellia sinensis*). Frontiers in plant science, 16, 1553266.

Yang J, et al. (2025) Investigating the molecular mechanisms of the "Astragalus-Codonopsis" herb pair in treating diabetes: a network pharmacology and bioinformatics approach with molecular docking validation. Frontiers in bioengineering and biotechnology, 13, 1618575.

Tang MLY, et al. (2025) Varying effects of chlorination on microbial functional repertoire and gene expression in contrasting effluents. Frontiers in microbiology, 16, 1593147.

Wu JW, et al. (2025) Apigenin regulates CCR5/JAK1/STAT1/MMPs signaling to alleviate secondary brain injury after intracerebral hemorrhage and its enhanced delivery via targeted nanoparticles. Journal of nanobiotechnology, 23(1), 696.

Urrutia-Angulo L, et al. (2025) Exploring colostrum microbiota and its influence on early calf gut microbiota development using full-length 16S rRNA gene metabarcoding. Scientific reports, 15(1), 36350.