

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, organization portal, software resource, software repository, portal

Resource Name: Bioinformatics Gent

Resource ID: SCR_010251

Alternate IDs: nlx_156896

Record Creation Time: 20220129T080257+0000

Record Last Update: 20260729T044244+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 90 mentions in open access literature.

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

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.

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.

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.

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

Yi Y, et al. (2025) Genome-wide identification and characterization of the bZIP family in the Mangrove Plant *Kandelia obovata* and its role in response to stress. *BMC plant biology*, 25(1), 161.

Tian X, et al. (2025) Genome-Wide Identification of Luffa Sucrose Synthase Genes Reveals LaSUS1-Mediated Sugar Metabolism Boosting Drought Tolerance. *International journal of molecular sciences*, 26(12).

Persello A, et al. (2025) A Mg-Chelatase Subunit I Missense Mutant in Barley Exhibits a Cold-Sensitive Phenotype Under Field Conditions. *Physiologia plantarum*, 177(4), e70434.

Feng H, et al. (2025) Genome and Tissue-Specific Transcriptome of the Tropical Milkweed (*Asclepias curassavica*). *Plant direct*, 9(3), e70031.

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.

Saunders EF, et al. (2025) Inflammatory Oxidative Stress Compounds Inhibit Insulin Secretion through Rapid Protein Carbonylation. *bioRxiv : the preprint server for biology*.

Sianturi M, et al. (2025) Transcriptomic-based analysis of endometrial tissues from adenomyosis patients reveals significant inflammation biomarkers: A bioinformatics study. *International journal of reproductive biomedicine*, 23(5), 425.

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

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.

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.

Zhao Z, et al. (2024) STK3 kinase activation inhibits tumor proliferation through FOXO1-TP53INP1/P21 pathway in esophageal squamous cell carcinoma. *Cellular oncology (Dordrecht, Netherlands)*, 47(4), 1295.

Soraya S, et al. (2024) Unveiling the impacts of metformin on hepatocellular carcinoma: A bioinformatic exploration in cell lines. *Narra J*, 4(3), e968.

Teng L, et al. (2024) Exon shuffling and alternative splicing of ROCO genes in brown algae enables a diverse repertoire of candidate immune receptors. *Frontiers in plant science*, 15, 1445022.

Yang F, et al. (2024) Characterization of lipid composition and nutritional quality of yak ghee at different altitudes: A quantitative lipidomic analysis. *Food chemistry: X*, 21, 101166.

Zhou X, et al. (2024) Investigation of differentially expressed genes related to cellular senescence between high-risk and non-high-risk groups in neuroblastoma. *Frontiers in cell and developmental biology*, 12, 1421673.

Brischetto C, et al. (2024) The microbiome analysis of ripen grape berries supports the complex etiology of sour rot. *Frontiers in microbiology*, 15, 1450443.