

Resource Summary Report

Generated by [ASWG](#) on Aug 4, 2026

GEO2R

RRID:SCR_016569

Type: Tool

Proper Citation

GEO2R (RRID:SCR_016569)

Resource Information

URL: <https://www.ncbi.nlm.nih.gov/geo/info/geo2r.html>

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Description: Software as an interactive web tool to compare two or more groups of samples in a Gene Expression Omnibus (GEO) series regardless of data type and quality. Used to identify genes that are differentially expressed across experimental conditions. Results are presented as a table of genes ordered by significance.

Resource Type: software resource, data processing software, software application, data analysis software

Keywords: compare, group, sample, gene, expression, omnibus, data, identify, differentially, expressed, across, condition, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: GEO2R

Resource ID: SCR_016569

Alternate IDs: biotools:GEO2R

Alternate URLs: <https://bio.tools/GEO2R>

Record Creation Time: 20220129T080331+0000

Record Last Update: 20260804T043629+0000

Ratings and Alerts

No rating or validation information has been found for GEO2R.

No alerts have been found for GEO2R.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 58 mentions in open access literature.

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

Wang YH, et al. (2026) Apelin promotes RANKL-mediated osteoclastogenesis by activating MAPK and NF- κ B pathways. *Molecular medicine reports*, 33(1).

Zhang P, et al. (2025) Molecular control of PDPNhi macrophage subset induction by ADAP as a host defense in sepsis. *JCI insight*, 10(6).

Zhang Y, et al. (2025) KIAA1429-mediated ZFPM2-AS1 m6A modification promotes the proliferation, migration and invasion of osteosarcoma cells. *Oncology letters*, 30(4), 453.

Cheon J, et al. (2025) Exploring the Clinical Implication of S100A9 in Ulcerative Colitis and Its Progression to Cancer: A Journey from Inflammation to Cancer. *International journal of molecular sciences*, 26(12).

Stomper J, et al. (2025) Sex differences in DNMT3A-mutant clonal hematopoiesis and the effects of estrogen. *Cell reports*, 44(4), 115494.

Saha A, et al. (2025) Gender-specific insights into TTN mutation: potential biomarker for female risk in kidney renal clear cell carcinoma. *Journal, genetic engineering & biotechnology*, 23(3), 100506.

Kulkarni AJ, et al. (2025) L-Phenylalanine is a metabolic checkpoint of human Th2 cells. *Cell reports. Medicine*, 6(12), 102466.

Yao R, et al. (2025) Identification of a new micropeptide altKLF4 derived from KLF4 that influences myeloma chemotherapeutic sensitivity. *Cellular signalling*, 131, 111767.

Ramirez Reyes B, et al. (2025) Homeostatic antiviral protection of the neonatal gut epithelium by interferon lambda. *Cell reports*, 44(2), 115243.

Iannucci A, et al. (2025) The PYRIN domain is required for TLR4-mediated inflammation by PYHIN family members. *iScience*, 28(5), 112413.

Fang X, et al. (2024) Exome sequencing confirms the clinical diagnosis of both joubert syndrome and klinefelter syndrome with keratoconus in a han Chinese family. *Frontiers in genetics*, 15, 1417584.

Qu HQ, et al. (2024) The Role of BAG3 Protein Interactions in Cardiomyopathies. *International journal of molecular sciences*, 25(20).

Garmaa G, et al. (2024) A Systematic Review and Meta-Analysis of microRNA Profiling Studies in Chronic Kidney Diseases. *Non-coding RNA*, 10(3).

Yang X, et al. (2024) Identification of key genes associated with cervical cancer based on bioinformatics analysis. BMC cancer, 24(1), 897.

Li T, et al. (2024) N6-methyladenosine-associated genetic variants in NECTIN2 and HPCAL1 are risk factors for abdominal aortic aneurysm. iScience, 27(4), 109419.

Pasini E, et al. (2024) Acyl-CoA Thioesterase 1 Contributes to Transition of Steatosis to Metabolic-Associated Steatohepatitis. International journal of hepatology, 2024, 5560676.

Zhu Z, et al. (2024) N6-methyladenosine methyltransferase METTL14 is associated with macrophage polarization in rheumatoid arthritis. Experimental and therapeutic medicine, 28(4), 375.

de Kivit S, et al. (2024) Immune suppression by human thymus-derived effector Tregs relies on glucose/lactate-fueled fatty acid synthesis. Cell reports, 43(9), 114681.

Ma Q, et al. (2023) Insights into the Effects and Mechanism of Andrographolide-Mediated Recovery of Susceptibility of Methicillin-Resistant Staphylococcus aureus to β -Lactam Antibiotics. Microbiology spectrum, 11(1), e0297822.

Zuo Y, et al. (2023) Prediction of target genes in community-acquired pneumonia based on the bioinformatics method. Journal of thoracic disease, 15(5), 2694.