

Resource Summary Report

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iDEP: Integrated Differential Expression and Pathway analysis

RRID:SCR_027373

Type: Tool

Proper Citation

iDEP: Integrated Differential Expression and Pathway analysis (RRID:SCR_027373)

Resource Information

URL: <https://bioinformatics.sdstate.edu/idep/>

Proper Citation: iDEP: Integrated Differential Expression and Pathway analysis (RRID:SCR_027373)

Description: Integrated web application for differential expression and pathway analysis of RNA-Seq data.

Abbreviations: iDEP

Resource Type: web application, software resource

Defining Citation: [PMID:30567491](#)

Keywords: differential expression, pathway analysis, RNA-Seq data,

Funding: NIGMS GM083226;
NSF ;
State of South Dakota

Availability: Free, Freely available

Resource Name: iDEP: Integrated Differential Expression and Pathway analysis

Resource ID: SCR_027373

Record Creation Time: 20250827T062506+0000

Record Last Update: 20260815T183259+0000

Ratings and Alerts

No rating or validation information has been found for iDEP: Integrated Differential Expression and Pathway analysis.

No alerts have been found for iDEP: Integrated Differential Expression and Pathway analysis.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Gou X, et al. (2026) Identification of a Two-Gene Biomarker Correlated with Sensitivity to Combined PARP7 Inhibition and AHR Activation in Cancer Cells. Cancer research communications, 6(1), 5.

Gudi RR, et al. (2026) Human Gut Commensal Bacteroides fragilis Suppresses Mucin Production and Alters Microbiota Composition Resulting in Accelerated Type 1 Diabetes in Mice. Immunology, 177(1), 119.

Torner B, et al. (2026) The role of miRNAs in the development of brain metastases originating from lung adenocarcinoma. Frontiers in genetics, 17, 1769972.

Han X, et al. (2026) Impaired nitrogenous waste clearance promotes hepatocellular carcinoma. Science advances, 12(2), eaec0766.

Rangasami VK, et al. (2026) Regenerative bone-targeted nanoparticles modulate osteoclast function. Nanoscale horizons, 11(6), 1614.

Abdullah GA, et al. (2026) Altered neutrophil signalling linked to impaired chemotaxis and increased ROS and NET production in older people with frailty. Clinical and experimental immunology, 220(1).

Ishida-Takaku T, et al. (2026) Alzheimer's disease-related mutations in APP influence colorectal tumor formation in a sex-dependent manner. iScience, 29(7), 116645.

Xue Y, et al. (2026) Mucosal-associated invariant T cells recognize a tumor-derived metabolite in the DNA synthesis pathway. Frontiers in immunology, 17, 1797918.

Ozaki K, et al. (2025) Anti-tumor effect of intratumoral administration of induced pluripotent stem cell-derived NKT cells on glioblastoma through CD155/DNAM-1 interaction. Stem cells translational medicine, 14(9).

Mir FA, et al. (2025) Metabolically Healthy Obesity Is Characterized by a Distinct Proteome Signature. International journal of molecular sciences, 26(5).

Cen S, et al. (2025) Modified Zhujing pill regulates RPE cholesterol metabolism and gut microbiota in an age-related macular degeneration mouse model. *Frontiers in cellular and infection microbiology*, 15, 1691360.

Aliu E, et al. (2025) Chromosome architecture affects virulence and competitiveness in *Agrobacterium tumefaciens* C58. *Science advances*, 11(40), eadx7408.

Yabaji SM, et al. (2025) Dysplastic lung repair fosters a tuberculosis-promoting microenvironment through maladaptive macrophage polarization. *PLoS pathogens*, 21(10), e1013563.

Yang S, et al. (2025) High-Fat Diet-Induced Excessive Accumulation of Cerebral Cholesterol Esters and Microglial Dysfunction Exacerbate Alzheimer's Disease Pathology in APPNL-G-F mice. *Molecular neurobiology*, 62(9), 12231.

Garvey Griffith CN, et al. (2025) The contribution of amphibian macrophage subsets to scarless regeneration of skin wounds. *Frontiers in immunology*, 16, 1713361.

Guo B, et al. (2025) Degenerated meniscus alters knee osteoarthritis-related gene expression in articular chondrocytes through paracrine mechanisms. *Scientific reports*, 16(1), 311.

Aoyama S, et al. (2025) Tumor-associated high endothelial venules are associated with enhanced lymphocyte infiltration and favorable prognosis in resected hepatocellular carcinoma. *Cancer immunology, immunotherapy : CII*, 75(1), 20.

Kosonsiriluk S, et al. (2025) Transcriptomic insights into early responses of the uterovaginal junction and vagina to avian influenza virus infection in turkey breeder hens. *Frontiers in physiology*, 16, 1704399.

Poznanski P, et al. (2024) The Synergy of Chitosan and Azoxystrobin Against *Fusarium graminearum* Is Modulated by Selected ABC Transporters. *International journal of molecular sciences*, 26(1).