

# Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 16, 2026

## RankProd

RRID:SCR\_013046

Type: Tool

### Proper Citation

RankProd (RRID:SCR\_013046)

### Resource Information

**URL:** <http://www.bioconductor.org/packages/2.12/bioc/html/RankProd.html>

**Proper Citation:** RankProd (RRID:SCR\_013046)

**Description:** Software using a non-parametric method for identifying differentially expressed (up- or down- regulated) genes based on the estimated percentage of false predictions (pfp).

**Abbreviations:** RankProd

**Resource Type:** software resource

**Resource Name:** RankProd

**Resource ID:** SCR\_013046

**Alternate IDs:** OMICS\_01313

**Record Creation Time:** 20220129T080314+0000

**Record Last Update:** 20260912T195758+0000

### Ratings and Alerts

No rating or validation information has been found for RankProd.

No alerts have been found for RankProd.

### Data and Source Information

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

### Usage and Citation Metrics

We found 186 mentions in open access literature.

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

Xu Y, et al. (2025) Differential producibility analysis reveals drug-associated carbon and nitrogen metabolite expressions in *Mycobacterium tuberculosis*. *The Journal of biological chemistry*, 301(3), 108288.

Grytten E, et al. (2025) Inflammatory markers after supplementation with marine n-3 or plant n-6 PUFAs: A randomized double-blind crossover study. *Journal of lipid research*, 66(4), 100770.

Murugesan S, et al. (2025) Decreased Extracellular Vesicle Vasorin in Severe Preeclampsia Plasma Mediates Endothelial Dysfunction. *Journal of the American Heart Association*, 14(7), e037242.

Hunter E, et al. (2025) Development and validation of blood-based diagnostic biomarkers for Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS) using EpiSwitch® 3-dimensional genomic regulatory immuno-genetic profiling. *Journal of translational medicine*, 23(1), 1048.

Amano I, et al. (2025) Effects of excessive iodine intake during the perinatal period on thyroid function and higher brain functions in mouse offspring. *Endocrine journal*, 72(9), 999.

Li Y, et al. (2025) Integration of a 4-gene risk score model enhances prognostic accuracy in acute myeloid leukemia. *Cell cycle (Georgetown, Tex.)*, 24(21-24), 638.

Khoo LY, et al. (2025) Integrated multi-sample transcriptomic analysis of COVID-19 patients against controls using a bioinformatics pipeline. *Scientific reports*, 15(1), 19644.

Ceballos-Sánchez D, et al. (2025) Influence of Dietary Fiber and Polyphenols During Pre-Gestation, Gestation, or Lactation on Intestinal Gene Expression. *Nutrients*, 17(2).

Dremel SE, et al. (2024) Interferon induced circRNAs escape herpesvirus host shutoff and suppress lytic infection. *EMBO reports*, 25(3), 1541.

Pal A, et al. (2024) Defining the contribution of microRNA-specific Argonautes with slicer capability in animals. *Nucleic acids research*, 52(9), 5002.

Guaita-Cespedes M, et al. (2023) Deciphering the sex bias in housekeeping gene expression in adipose tissue: a comprehensive meta-analysis of transcriptomic studies. *Biology of sex differences*, 14(1), 20.

Padiadpu J, et al. (2023) Multi-omic network analysis identified betacellulin as a novel target of omega-3 fatty acid attenuation of western diet-induced nonalcoholic steatohepatitis. *EMBO molecular medicine*, 15(11), e18367.

Hosaka K, et al. (2023) Perivascular localized cells commit erythropoiesis in PDGF-B-expressing solid tumors. *Cancer communications (London, England)*, 43(6), 637.

Mirzakhani H, et al. (2023) Integration of circulating microRNAs and transcriptome signatures identifies early-pregnancy biomarkers of preeclampsia. *Clinical and translational medicine*, 13(11), e1446.

Sáez-Fuertes L, et al. (2023) Effect of Rotavirus Infection and 2'-Fucosyllactose Administration on Rat Intestinal Gene Expression. *Nutrients*, 15(8).

Wishart CL, et al. (2023) Integrating transcriptomic datasets across neurological disease identifies unique myeloid subpopulations driving disease-specific signatures. *Glia*, 71(4), 904.

Rust R, et al. (2023) Ischemic stroke-related gene expression profiles across species: a meta-analysis. *Journal of inflammation (London, England)*, 20(1), 21.

Wang R, et al. (2023) Time space and single-cell resolved tissue lineage trajectories and laterality of body plan at gastrulation. *Nature communications*, 14(1), 5675.

Dahal S, et al. (2023) Mechanism for Utilization of the Populus-Derived Metabolite Salicin by a Pseudomonas-Rahnella Co-Culture. *Metabolites*, 13(2).

Del Giudice G, et al. (2023) An ancestral molecular response to nanomaterial particulates. *Nature nanotechnology*, 18(8), 957.