Resource Summary Report

Generated by <u>NIF</u> on May 28, 2025

<u>affy</u>

RRID:SCR_012835 Type: Tool

Proper Citation

affy (RRID:SCR_012835)

Resource Information

URL: http://www.bioconductor.org/packages/release/bioc/html/affy.html

Proper Citation: affy (RRID:SCR_012835)

Description: Software R package of functions and classes for the analysis of oligonucleotide arrays manufactured by Affymetrix. Used to process probe level data and for exploratory oligonucleotide array analysis.

Abbreviations: Affy

Synonyms: Affymetrix, analysis of Affymetrix GeneChip data at the probe level, analysis of Affymetrix GeneChip data

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

Defining Citation: PMID:14960456

Keywords: analysis, oligonucleotide, array, Affymetrix, process, probe, data, function, bio.tools

Funding: Danish Biotechnology Instrument Center

Availability: Free, Available for download, Freely available

Resource Name: affy

Resource ID: SCR_012835

Alternate IDs: BioTools:affy, OMICS_00740, biotools:affy

Alternate URLs: https://bio.tools/affy, https://sources.debian.org/src/r-bioc-affy/

License: GPL

Record Creation Time: 20220129T080312+0000

Record Last Update: 20250528T061101+0000

Ratings and Alerts

No rating or validation information has been found for affy.

No alerts have been found for affy.

Data and Source Information

Source: <u>SciCrunch Registry</u>

Usage and Citation Metrics

We found 2871 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

Wang S, et al. (2025) Ferroptosis-related genes participate in the microglia-induced neuroinflammation of spinal cord injury via NF-?B signaling: evidence from integrated single-cell and spatial transcriptomic analysis. Journal of translational medicine, 23(1), 43.

Geng J, et al. (2025) Moderate-intensity interval exercise exacerbates cardiac lipotoxicity in high-fat, high-calories diet-fed mice. Nature communications, 16(1), 613.

Zhan J, et al. (2025) Immunomodulatory insights of monoterpene glycosides in endometriosis: immune infiltration and target pathways analysis. Hereditas, 162(1), 1.

Khayer N, et al. (2025) A dynamic co-expression approach reveals Gins2 as a potential upstream modulator of HNSCC metastasis. Scientific reports, 15(1), 3322.

Wang Y, et al. (2025) BCL-2 overexpression exosomes promote the proliferation and migration of mesenchymal stem cells in hypoxic environment for skin injury in rats. Journal of biological engineering, 19(1), 7.

Xiao S, et al. (2025) Analysis and Validation of Autophagy-Related Gene Biomarkers and Immune Cell Infiltration Characteristic in Bronchopulmonary Dysplasia by Integrating Bioinformatics and Machine Learning. Journal of inflammation research, 18, 549.

Jovi?i? SM, et al. (2025) Analysis of total RNA as a potential biomarker of Parkinson's disease in silico. International journal of immunopathology and pharmacology, 39, 3946320241297738.

Zhu X, et al. (2025) Identification of molecular characteristics in polycystic ovary syndrome using single-cell and transcriptome analysis. Scientific reports, 15(1), 2970.

Ye L, et al. (2025) Multi?omics identification of a novel signature for serous ovarian carcinoma in the context of 3P medicine and based on twelve programmed cell death patterns: a multi-cohort machine learning study. Molecular medicine (Cambridge, Mass.), 31(1), 5.

Bao J, et al. (2025) METTL10 attenuates adriamycin-induced podocyte injury by targeting cell dedifferentiation. Scientific reports, 15(1), 1218.

Karathanasis N, et al. (2025) Predicting the Progression from Asymptomatic to Symptomatic Multiple Myeloma and Stage Classification Using Gene Expression Data. Cancers, 17(2).

Torang A, et al. (2025) Enterocyte-like differentiation defines metabolic gene signatures of CMS3 colorectal cancers and provides therapeutic vulnerability. Nature communications, 16(1), 264.

Lee HJ, et al. (2025) The CLCA1/TMEM16A/CI- current axis associates with H2S deficiency in diabetic kidney injury. JCI insight, 10(1).

Ao Y, et al. (2025) Cellular senescence-associated genes in rheumatoid arthritis: Identification and functional analysis. PloS one, 20(1), e0317364.

Chen Y, et al. (2025) Impacts of Nutlin-3a and exercise on murine double minute 2-enriched glioma treatment. Neural regeneration research, 20(4), 1135.

Würth R, et al. (2025) Circulating tumor cell plasticity determines breast cancer therapy resistance via neuregulin 1-HER3 signaling. Nature cancer, 6(1), 67.

Hu C, et al. (2025) Overexpressed RPS6KA1 and its potential diagnostic value in head and neck squamous cell carcinoma. Discover oncology, 16(1), 60.

Shan J, et al. (2025) CircRNA circACTN4 Promotes the Progression of Epithelial-Mesenchymal Transition in Hepatocellular Carcinoma by Targeting the miR-424-5p/NCAPG/Wnt Axis. Clinical and experimental medicine, 25(1), 47. Menyhárt O, et al. (2024) Resistance to Combined Anthracycline-Taxane Chemotherapy Is Associated with Altered Metabolism and Inflammation in Breast Carcinomas. International journal of molecular sciences, 25(2).

Luo Q, et al. (2024) Seed and Soil: Consensus Molecular Subgroups (CMS) and Tumor Microenvironment Features Between Primary Lesions and Metastases of Different Organ Sites in Colorectal Cancer. Cancer management and research, 16, 225.