

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

ArrayTools

RRID:SCR_001313

Type: Tool

Proper Citation

ArrayTools (RRID:SCR_001313)

Resource Information

URL: <https://www.bioconductor.org/packages//2.10/bioc/html/ArrayTools.html>

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Description: Software package for quality assessment and to detect differentially expressed genes for the Affymetrix GeneChips, including both 3' -arrays and gene 1.0-ST arrays. The package generates comprehensive analysis reports in HTML format. Hyperlinks on the report page will lead to a series of QC plots, processed data, and differentially expressed gene lists. Differentially expressed genes are reported in tabular format with annotations hyperlinked to online biological databases.

Abbreviations: ArrayTools

Synonyms: ArrayTools - GeneChip Analysis Package

Resource Type: software resource

Keywords: annotation, differential expression, microarray, one channel, preprocessing, quality control, report writing, statistical method, visualization, FASEB list

Availability: Free, Available for download, Freely available

Resource Name: ArrayTools

Resource ID: SCR_001313

Alternate IDs: OMICS_02022

Alternate URLs: <http://www.bioconductor.org/packages/release/bioc/html/ArrayTools.html>

License: GNU Lesser General Public License, v2 or newer

Record Creation Time: 20220129T080206+0000

Record Last Update: 20260905T132432+0000

Ratings and Alerts

No rating or validation information has been found for ArrayTools.

No alerts have been found for ArrayTools.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 94 mentions in open access literature.

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

Wareing N, et al. (2026) Adipocyte-specific deletion of sine oculis homeobox homolog 1 inhibits lipolysis and reduces skin fibrosis. JCI insight, 11(7).

Patton ME, et al. (2025) Sex differences in bile acid homeostasis and excretion underlie the disparity in liver cancer incidence between males and females. eLife, 13.

Ogawa N, et al. (2025) Therapeutic effects of adipose tissue-derived mesenchymal stem cells on ER stress in a murine model of metabolic dysfunction-associated steatohepatitis: an in vivo and in vitro study. Stem cell research & therapy, 16(1), 349.

Wareing N, et al. (2024) Deletion of adipocyte Sine Oculis Homeobox Homolog 1 prevents lipolysis and attenuates skin fibrosis. bioRxiv : the preprint server for biology.

Milchram L, et al. (2023) Antibody Profiling and In Silico Functional Analysis of Differentially Reactive Antibody Signatures of Glioblastomas and Meningiomas. International journal of molecular sciences, 24(2).

Ghandhi SA, et al. (2023) Longitudinal multi-omic changes in the transcriptome and proteome of peripheral blood cells after a 4 Gy total body radiation dose to Rhesus macaques. BMC genomics, 24(1), 139.

Sobhani NC, et al. (2022) Integrated analysis of transcriptomic datasets to identify placental biomarkers of spontaneous preterm birth. Placenta, 122, 66.

Winkel L, et al. (2022) Fetal Programming of the Endocrine Pancreas: Impact of a Maternal Low-Protein Diet on Gene Expression in the Perinatal Rat Pancreas. International journal of molecular sciences, 23(19).

Melo-Silva CR, et al. (2022) Interferon partly dictates a divergent transcriptional response in poxvirus-infected and bystander inflammatory monocytes. Cell reports, 41(8), 111676.

Cirillo PDR, et al. (2021) Multi-analytical test based on serum miRNAs and proteins quantification for ovarian cancer early detection. PloS one, 16(8), e0255804.

Silva CMS, et al. (2021) Circulating let-7e-5p, miR-106a-5p, miR-28-3p, and miR-542-5p as a Promising microRNA Signature for the Detection of Colorectal Cancer. *Cancers*, 13(7).

Magalhaes J, et al. (2021) PIAS2-mediated blockade of IFN- γ signaling: a basis for sporadic Parkinson disease dementia. *Molecular psychiatry*, 26(10), 6083.

Narayanan P, et al. (2021) Aberrantly low STAT3 and STAT5 responses are associated with poor outcome and an inflammatory gene expression signature in pediatric acute myeloid leukemia. *Clinical & translational oncology : official publication of the Federation of Spanish Oncology Societies and of the National Cancer Institute of Mexico*, 23(10), 2141.

Desoteux M, et al. (2021) A Minimal Subset of Seven Genes Associated with Tumor Hepatocyte Differentiation Predicts a Poor Prognosis in Human Hepatocellular Carcinoma. *Cancers*, 13(22).

de Kruijff IE, et al. (2021) Prospective Evaluation of a Circulating Tumor Cell Sensitivity Profile to Predict Response to Cisplatin Chemotherapy in Metastatic Breast Cancer Patients. *Frontiers in oncology*, 11, 697572.

Karasu E, et al. (2020) Complement C5a Induces Pro-inflammatory Microvesicle Shedding in Severely Injured Patients. *Frontiers in immunology*, 11, 1789.

Barros-Filho MC, et al. (2020) GADD45B Transcript Is a Prognostic Marker in Papillary Thyroid Carcinoma Patients Treated With Total Thyroidectomy and Radioiodine Therapy. *Frontiers in endocrinology*, 11, 269.

Robinson JE, et al. (2020) Identification of a Splenic Marginal Zone Lymphoma Signature: Preliminary Findings With Diagnostic Potential. *Frontiers in oncology*, 10, 640.

Robin F, et al. (2020) Molecular profiling of stroma highlights stratifin as a novel biomarker of poor prognosis in pancreatic ductal adenocarcinoma. *British journal of cancer*, 123(1), 72.

Wagner AE, et al. (2020) SP8 Promotes an Aggressive Phenotype in Hepatoblastoma via FGF8 Activation. *Cancers*, 12(8).