

Resource Summary Report

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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

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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 92 mentions in open access literature.

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

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.

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

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).

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.

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

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.

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).

de Kruijff IE, et al. (2019) Circulating Tumor Cell Enumeration and Characterization in Metastatic Castration-Resistant Prostate Cancer Patients Treated with Cabazitaxel. *Cancers*, 11(8).

Kim J, et al. (2019) Examination of the Biomark assay as an alternative to Oncotype DX for defining chemotherapy benefit. *Oncology letters*, 17(2), 1812.