

Resource Summary Report

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arrayQualityMetrics

RRID:SCR_001335

Type: Tool

Proper Citation

arrayQualityMetrics (RRID:SCR_001335)

Resource Information

URL: <http://www.bioconductor.org/packages/release/bioc/html/arrayQualityMetrics.html>

Proper Citation: arrayQualityMetrics (RRID:SCR_001335)

Description: Software package that generates microarray quality metrics reports for data in Bioconductor microarray data containers (ExpressionSet, NChannelSet, AffyBatch). Reports contain both general and platform-specific sections. Both one and two color array platforms are supported.

Abbreviations: arrayQualityMetrics

Synonyms: Quality metrics on microarray data sets

Resource Type: software resource

Defining Citation: [PMID:19106121](#)

Keywords: microarray, quality control, report writing

Funding:

Availability: GNU Lesser General Public License, v2 or newer

Resource Name: arrayQualityMetrics

Resource ID: SCR_001335

Alternate IDs: OMICS_02005

Record Creation Time: 20220129T080206+0000

Record Last Update: 20250420T014026+0000

Ratings and Alerts

No rating or validation information has been found for arrayQualityMetrics.

No alerts have been found for arrayQualityMetrics.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 168 mentions in open access literature.

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

Cuthbertson L, et al. (2024) Genomic attributes of airway commensal bacteria and mucosa. Communications biology, 7(1), 171.

Liu D, et al. (2024) Employing single-cell RNA sequencing coupled with an array of bioinformatics approaches to ascertain the shared genetic characteristics between osteoporosis and obesity. Bone & joint research, 13(10), 573.

Viet CT, et al. (2024) Artificial intelligence-based epigenomic, transcriptomic and histologic signatures of tobacco use in oral squamous cell carcinoma. NPJ precision oncology, 8(1), 130.

Foda MY, et al. (2024) Atorvastatin lowers breast cancer risk by reversing an early tumorigenic signature. Scientific reports, 14(1), 17803.

Omotoso AO, et al. (2024) Hepatic Transcriptomics of Broilers with Low and High Feed Conversion in Response to Caloric Restriction. Metabolites, 14(11).

Mikhael S, et al. (2024) Evaluating synergistic effects of metformin and simvastatin on ovarian cancer cells. PloS one, 19(3), e0298127.

Skubic C, et al. (2024) Knockouts of CYP51A1, DHCR24, or SC5D from cholesterol synthesis reveal pathways modulated by sterol intermediates. iScience, 27(9), 110651.

Amniouel S, et al. (2024) Evaluating Ovarian Cancer Chemotherapy Response Using Gene Expression Data and Machine Learning. BioMedInformatics, 4(2), 1396.

Tranchevent LC, et al. (2023) Systems level analysis of sex-dependent gene expression changes in Parkinson's disease. NPJ Parkinson's disease, 9(1), 8.

Kazmin D, et al. (2023) Memory-like innate response to booster vaccination with MF-59 adjuvanted influenza vaccine in children. NPJ vaccines, 8(1), 100.

Rubio-Mendoza D, et al. (2023) Transcriptomic analysis of biofilm formation in strains of *Clostridioides difficile* associated with recurrent and non-recurrent infection reveals potential candidate markers for recurrence. PloS one, 18(8), e0289593.

Stevenson MJ, et al. (2023) Altered binding affinity of SIX1-Q177R correlates with enhanced WNT5A and WNT pathway effector expression in Wilms tumor. Disease models & mechanisms, 16(11).

Oelkrug R, et al. (2023) Maternal thyroid hormone receptor α activation in mice sparks brown fat thermogenesis in the offspring. Nature communications, 14(1), 6742.

Malhan D, et al. (2023) Skeletal muscle gene expression dysregulation in long-term spaceflights and aging is clock-dependent. NPJ microgravity, 9(1), 30.

Biswas D, et al. (2023) Integrated Meta-Omics Analysis Unveils the Pathways Modulating Tumorigenesis and Proliferation in High-Grade Meningioma. Cells, 12(20).

Pardons M, et al. (2023) Potent latency reversal by Tat RNA-containing nanoparticle enables multi-omic analysis of the HIV-1 reservoir. Nature communications, 14(1), 8397.

Liu A, et al. (2022) Deriving time-concordant event cascades from gene expression data: A case study for Drug-Induced Liver Injury (DILI). PLoS computational biology, 18(6), e1010148.

Bonatto D, et al. (2022) The multiple roles of lipid metabolism in yeast physiology during beer fermentation. Genetics and molecular biology, 45(3), e20210325.

Kessler N, et al. (2022) Monocyte-derived macrophages aggravate pulmonary vasculitis via cGAS/STING/IFN-mediated nucleic acid sensing. The Journal of experimental medicine, 219(10).

Carter RN, et al. (2021) The hepatic compensatory response to elevated systemic sulfide promotes diabetes. Cell reports, 37(6), 109958.