

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>

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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](https://pubmed.ncbi.nlm.nih.gov/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 [FDI Lab - SciCrunch.org](#).

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.

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

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

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.

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.

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.

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).

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.

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).

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

Zhu Y, et al. (2021) Expression Changes in Epigenetic Gene Pathways Associated With One-Carbon Nutritional Metabolites in Maternal Blood From Pregnancies Resulting in Autism and Non-Typical Neurodevelopment. *Autism research : official journal of the International Society for Autism Research*, 14(1), 11.