

Resource Summary Report

Generated by [ASWG](#) on Aug 2, 2026

[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](#)

Keywords: microarray, quality control, report writing

Availability: Free, Available for download, Freely available

Resource Name: arrayQualityMetrics

Resource ID: SCR_001335

Alternate IDs: OMICS_02005

License: GNU Lesser General Public License, v2 or newer

Record Creation Time: 20220129T080206+0000

Record Last Update: 20260801T190148+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 180 mentions in open access literature.

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

Garcia de Herreros M, et al. (2025) Clinical and Transcriptomic Characterization of Metastatic Hormone-Sensitive Prostate Cancer Patients with Low PTEN Expression. International journal of molecular sciences, 26(13).

González-Casimiro CM, et al. (2025) Decreased expression of insulin-degrading enzyme increases gluconeogenesis and glucose production in cultured hepatocytes administered with glucagon. Scientific reports, 15(1), 19168.

Saarimäki LA, et al. (2025) Comparison of Lung Inflammatory and Transcriptional Responses in Mice and Rats Following Pulmonary Exposure to a Fiber Paradigm-Compatible and Non-Compatible MWCNT. Nanomaterials (Basel, Switzerland), 15(17).

Yang C, et al. (2025) A multilevel genomic approach to uncover causal connections between CPFE and lung cancer subtypes: A two-sample Mendelian randomization study. Medicine, 104(34), e44050.

Viana-Mattioli S, et al. (2025) Plasma from hypertensive pregnancy patients induce endothelial dysfunction even under atheroprotective shear stress. Scientific reports, 15(1), 4675.

Reyes-Farias M, et al. (2025) Lipid-associated macrophages are more abundant in subcutaneous than visceral adipose tissue in patients with obesity. Obesity (Silver Spring, Md.), 33(8), 1543.

Oster M, et al. (2025) Transcriptional and endocrine orchestration of medullary bone formation and mineral turn-over in female chickens. Poultry science, 104(11), 105798.

Wainer-Katsir K, et al. (2025) The transcriptomic fingerprint of cancer response to Tumor Treating Fields (TTFields). Cell death discovery, 11(1), 319.

Zimmermann S, et al. (2025) Association of Lifestyle-Induced Weight Loss With Gene Expression in Subcutaneous Adipose Tissue in Metabolic Syndrome. Journal of diabetes, 17(4), e70083.

Zhou F, et al. (2025) Posttranscriptional activity of the eukaryotic translation initiation factor eIF4E contributes to HoxA9-driven leukemogenesis. bioRxiv : the preprint server for

biology.

Qasir H, et al. (2025) Effects of a transient lack of dietary mineral phosphorus on renal gene expression and plasma metabolites in two high-yielding laying hen strains. *BMC genomics*, 26(1), 129.

Singh G, et al. (2025) Discriminating activating, deactivating and resistance variants in protein kinases. *Genome medicine*, 17(1), 133.

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.

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

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

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.

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

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

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