

Resource Summary Report

Generated by [ASWG](#) on Aug 3, 2026

GeneExpressionSignature

RRID:SCR_000455

Type: Tool

Proper Citation

GeneExpressionSignature (RRID:SCR_000455)

Resource Information

URL:

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

Proper Citation: GeneExpressionSignature (RRID:SCR_000455)

Description: An R package developed for the large-scale analysis of gene expression signatures. It gives the implementations of the gene expression signature and its distance to each. Gene expression signature is represented as a list of genes whose expression is correlated with a biological state of interest. And its distance is defined using a nonparametric, rank-based pattern-matching strategy based on the Kolmogorov-Smirnov statistic. Gene expression signature and its distance can be used to detect similarities among the signatures of drugs, diseases, and biological states of interest.

Synonyms: GeneExpressionSignature - Gene Expression Signature based Similarity Metric

Resource Type: software resource

Defining Citation: [PMID:23374109](#)

Keywords: software package, r, gene expression

Availability: Free, Available for download, Freely available

Resource Name: GeneExpressionSignature

Resource ID: SCR_000455

Alternate IDs: OMICS_04919

License: GNU General Public License, v2

Record Creation Time: 20220129T080201+0000

Record Last Update: 20260801T190121+0000

Ratings and Alerts

No rating or validation information has been found for GeneExpressionSignature.

No alerts have been found for GeneExpressionSignature.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Ichimiya S, et al. (2025) Dual Role of NRF2 in Pancreatic Precursor Lesions. Cancer research communications, 5(6), 945.