

# Resource Summary Report

Generated by [kravitz2](#) on Aug 2, 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 [kravitz2](#) .

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