

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 12, 2026

parmigene

RRID:SCR_024285

Type: Tool

Proper Citation

parmigene (RRID:SCR_024285)

Resource Information

URL: <https://cran.r-project.org/package=parmigene>

Proper Citation: parmigene (RRID:SCR_024285)

Description: Software R package for parallel estimation of mutual information based on entropy estimates from k-nearest neighbors distances and algorithms for reconstruction of gene regulatory networks.

Synonyms: Parallel Mutual Information Estimation for Gene Network Reconstruction

Resource Type: software resource, software toolkit

Defining Citation: [PMID:21531770](#)

Keywords: parallel estimation, mutual information, entropy estimates from k-nearest neighbors distances, reconstruction of gene regulatory networks,

Availability: Free, Available for download, Freely available,

Resource Name: parmigene

Resource ID: SCR_024285

Alternate IDs: OMICS_16887

Alternate URLs: <https://sources.debian.org/src/r-cran-parmigene/>

License: AGPL-3

Record Creation Time: 20230830T050217+0000

Record Last Update: 20260912T200116+0000

Ratings and Alerts

No rating or validation information has been found for parmigene.

No alerts have been found for parmigene.

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 [SPARC SAWG](#) .

Zhang J, et al. (2024) Scanning sample-specific miRNA regulation from bulk and single-cell RNA-sequencing data. BMC biology, 22(1), 218.