

# Resource Summary Report

Generated by T1D on Jul 31, 2026

## parmigene

RRID:SCR\_024285

Type: Tool

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### Proper Citation

parmigene (RRID:SCR\_024285)

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### 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 toolkit, software resource

**Defining Citation:** [PMID:21531770](https://pubmed.ncbi.nlm.nih.gov/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:** 20260729T044603+0000

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### Ratings and Alerts

No rating or validation information has been found for parmigene.

No alerts have been found for parmigene.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#) .

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