

# Resource Summary Report

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## GENETSIM

RRID:SCR\_009199

Type: Tool

### Proper Citation

GENETSIM (RRID:SCR\_009199)

### Resource Information

**URL:** <https://github.com/gaow/genetic-analysis-software/blob/master/pages/GENETSIM.md>

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**Description:** Software application that provides flexible simulations of family data within an easy-to-use, high-level programming language. GENETSIM has no limit on pedigree sizes or structures, or number of families, or number of marker, or number of chromosomes. Genetic transmission is modeled by first generating the locations of recombination events, and then performing gene dropping according to the given recombination pattern. Any pattern of missing data can be specified and genotyping errors can be simulated. GENETSIM can simulate multiple QTLs with pleiotropic effects, multivariate polygenic background and any number of environmental factors, age effects, epistasis and variable expression. Users can also select families based on ascertainment schemes by repeating simulations. (entry from Genetic Analysis Software)

**Abbreviations:** GENETSIM

**Resource Type:** software application, software resource

**Keywords:** gene, genetic, genomic, octave, r (future version)

**Resource Name:** GENETSIM

**Resource ID:** SCR\_009199

**Alternate IDs:** nlx\_154341

**Old URLs:** <http://genetsim.org/>

**Record Creation Time:** 20220129T080251+0000

**Record Last Update:** 20260815T182950+0000

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## Ratings and Alerts

No rating or validation information has been found for GENETSIM.

No alerts have been found for GENETSIM.

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## Data and Source Information

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.