Resource Summary Report

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SIMHAP

RRID:SCR_009384
Type: Tool

Proper Citation

SIMHAP (RRID:SCR_009384)

Resource Information

URL: http://www.gohad.uwa.edu.au/software/simhap

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Description: Software application providing a comprehensive modelling framework and a multiple-imputation approach to haplotypic analysis of population-based data. It uses biallelic SNP genotype data to impute haplotype frequencies at the individual level. SimHap also tests for haplotype associations with outcomes of interest while incorporating the uncertainty around inferred haplotypes into the modelling procedure. SimHap allows epidemiological (ie, non-genetic) and both single SNP and haplotype association analyses of quantitative Normal, binary, longitudinal and right-censored outcomes under a range of genetic models. SimHap can accommodate large data sets, and can model genetic and environmental effects, including complex haplotype:environment interactions. SimHap features cross-platform functionality via Java, and a sophisticated graphical user interface (GUI). SimHap will also perform association analysis on more simple epidemiological models, with or without the inclusion of genetic covariates. (entry from Genetic Analysis Software)

Abbreviations: SimHap

Synonyms: SIMulation-based HAPlotypic analysis

Resource Type: software application, software resource

Defining Citation: PMID:19109877

Keywords: gene, genetic, genomic, java

Resource Name: SIMHAP

Resource ID: SCR_009384

Alternate IDs: nlx_154621, OMICS_00246

Old URLs: http://www.genepi.org.au/simhap

Record Creation Time: 20220129T080252+0000

Record Last Update: 20260727T040450+0000

Ratings and Alerts

No rating or validation information has been found for SIMHAP.

No alerts have been found for SIMHAP.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Zhu Y, et al. (2017) Vitamin D receptor and calcium-sensing receptor polymorphisms and colorectal cancer survival in the Newfoundland population. British journal of cancer, 117(6), 898.

Carter KW, et al. (2008) SimHap GUI: an intuitive graphical user interface for genetic association analysis. BMC bioinformatics, 9, 557.