

# Resource Summary Report

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## MultiPhen

RRID:SCR\_003498

Type: Tool

### Proper Citation

MultiPhen (RRID:SCR\_003498)

### Resource Information

**URL:** <http://cran.r-project.org/web/packages/MultiPhen/>

**Proper Citation:** MultiPhen (RRID:SCR\_003498)

**Description:** Software package that performs genetic association tests between SNPs (one-at-a-time) and multiple phenotypes (separately or in joint model).

**Synonyms:** MultiPhen: a package for the genetic association testing of multiple phenotypes

**Resource Type:** software resource

**Defining Citation:** [PMID:22567092](#)

**Keywords:** standalone software, r, bio.tools

**Availability:** GNU General Public License, v2

**Resource Name:** MultiPhen

**Resource ID:** SCR\_003498

**Alternate IDs:** biotools:multiphen, OMICS\_04397

**Alternate URLs:** <https://bio.tools/multiphen>

**Record Creation Time:** 20220129T080219+0000

**Record Last Update:** 20260801T190231+0000

### Ratings and Alerts

No rating or validation information has been found for MultiPhen.

No alerts have been found for MultiPhen.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 29 mentions in open access literature.

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

De T, et al. (2025) Dosage effect of copy number variation in epilepsy and ten regions of the human brain. Scientific reports, 15(1), 45726.

De T, et al. (2025) Plasma metabolomic signatures for copy number variants and COVID-19 risk loci in Northern Finland populations. Scientific reports, 15(1), 13172.

Cao X, et al. (2024) A novel method for multiple phenotype association studies based on genotype and phenotype network. PLoS genetics, 20(5), e1011245.

Mbye H, et al. (2022) Plasmodium falciparum merozoite invasion ligands, linked antimalarial resistance loci and ex vivo responses to antimalarials in The Gambia. The Journal of antimicrobial chemotherapy, 77(11), 2946.

Liang X, et al. (2022) HCLC-FC: A novel statistical method for phenome-wide association studies. PloS one, 17(11), e0276646.

Vilor-Tejedor N, et al. (2021) Multivariate Analysis and Modelling of multiple Brain endOphenotypes: Let's MAMBO! Computational and structural biotechnology journal, 19, 5800.

De T, et al. (2021) Signatures of TSPAN8 variants associated with human metabolic regulation and diseases. iScience, 24(8), 102893.

Liu D, et al. (2021) Impact of low-frequency coding variants on human facial shape. Scientific reports, 11(1), 748.

Fu L, et al. (2021) A Novel Approach Integrating Hierarchical Clustering and Weighted Combination for Association Study of Multiple Phenotypes and a Genetic Variant. Frontiers in genetics, 12, 654804.

Klimentidis YC, et al. (2020) Phenotypic and Genetic Characterization of Lower LDL Cholesterol and Increased Type 2 Diabetes Risk in the UK Biobank. Diabetes, 69(10), 2194.

van der Meer D, et al. (2020) Understanding the genetic determinants of the brain with MOSTest. Nature communications, 11(1), 3512.

Chung J, et al. (2019) Comparison of methods for multivariate gene-based association tests for complex diseases using common variants. European journal of human genetics :

EJHG, 27(5), 811.

Schmid AB, et al. (2019) Genetic components of human pain sensitivity: a protocol for a genome-wide association study of experimental pain in healthy volunteers. *BMJ open*, 9(4), e025530.

Zhang X, et al. (2019) Detecting potential pleiotropy across cardiovascular and neurological diseases using univariate, bivariate, and multivariate methods on 43,870 individuals from the eMERGE network. *Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing*, 24, 272.

Truong DT, et al. (2019) Multivariate genome-wide association study of rapid automatised naming and rapid alternating stimulus in Hispanic American and African-American youth. *Journal of medical genetics*, 56(8), 557.

Ganesamoorthy D, et al. (2018) GtTR: Bayesian estimation of absolute tandem repeat copy number using sequence capture and high throughput sequencing. *BMC bioinformatics*, 19(1), 267.

Chibnik LB, et al. (2018) Susceptibility to neurofibrillary tangles: role of the PTPRD locus and limited pleiotropy with other neuropathologies. *Molecular psychiatry*, 23(6), 1521.

Kaakinen M, et al. (2017) A rare-variant test for high-dimensional data. *European journal of human genetics : EJHG*, 25(8), 988.

Shen X, et al. (2017) Multivariate discovery and replication of five novel loci associated with Immunoglobulin G N-glycosylation. *Nature communications*, 8(1), 447.

Porter HF, et al. (2017) Multivariate simulation framework reveals performance of multi-trait GWAS methods. *Scientific reports*, 7, 38837.