

Resource Summary Report

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AMELIA

RRID:SCR_009119

Type: Tool

Proper Citation

AMELIA (RRID:SCR_009119)

Resource Information

URL: <http://www.sanger.ac.uk/resources/software/amelia/>

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Description: Software application that employs allele matching to analyse the effects of rare variants within a specific locus. There is increasing evidence that rare variants play a role in some complex traits, but their analysis is not straightforward. Locus-based tests become necessary due to low power in rare variant single-point association analyses. In addition, variant quality scores are available for sequencing data, but are rarely taken into account. To enable this analysis, AMELIA has been developed as an allele-matching approach that is robust to the presence of both directions of effect for variants within the locus analysed. (entry from Genetic Analysis Software)

Abbreviations: AMELIA

Synonyms: Allele Matching Empirical Locus-specific Integrated Association test

Resource Type: software resource, software application

Keywords: gene, genetic, genomic, r, unix, linux

Resource Name: AMELIA

Resource ID: SCR_009119

Alternate IDs: nlx_154222

Record Creation Time: 20220129T080251+0000

Record Last Update: 20260801T191055+0000

Ratings and Alerts

No rating or validation information has been found for AMELIA.

No alerts have been found for AMELIA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 121 mentions in open access literature.

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

Jehu-Appiah D, et al. (2025) Combined Effect of Metals, PFAS, Phthalates, and Plasticizers on Cardiovascular Disease Risk. *Toxics*, 13(6).

Marfo A, et al. (2025) Combined Effects of PFAS, Social, and Behavioral Factors on Liver Health. *Medical sciences (Basel, Switzerland)*, 13(3).

Joseph JJ, et al. (2025) Does Executive Functioning Moderate the Association Between Psychopathic Traits and Antisocial Behavior in Youth? *Research on child and adolescent psychopathology*, 53(4), 543.

Huttelmaier MT, et al. (2025) Non-invasive prediction of atrial cardiomyopathy characterized by multipolar high-density contact mapping. *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*, 68(4), 865.

Essers E, et al. (2025) Temperature Exposure and Psychiatric Symptoms in Adolescents From 2 European Birth Cohorts. *JAMA network open*, 8(1), e2456898.

Ogawa K, et al. (2025) Association between higher mortgage payment-to-income ratio and greater psychological distress among high-income homeowners in Japan: A cross-sectional study. *Preventive medicine reports*, 50, 102987.

Bofa A, et al. (2025) Machine learning analysis of greenhouse gas sources impacting Africa's food security nexus. *Scientific reports*, 15(1), 28665.

Illamola SM, et al. (2025) Vancomycin dosing in neonates: enhancing outcomes using population pharmacokinetics and simulation. *Frontiers in antibiotics*, 4, 1568931.

Mellor J, et al. (2024) Estimating risk of consequences following hypoglycaemia exposure using the Hypo-RESOLVE cohort: a secondary analysis of pooled data from insulin clinical trials. *Diabetologia*, 67(10), 2210.

Pérez Rivera CJ, et al. (2024) Colombian surgical outcomes study insights on perioperative mortality rate, a main indicator of the lancet commission on global surgery - a prospective cohort study. *Lancet regional health. Americas*, 38, 100862.

Rosen AL, et al. (2024) Secretory leukocyte protease inhibitor protects against severe urinary tract infection in mice. *mBio*, 15(2), e0255423.

Garnett C, et al. (2024) Do engagement and behavioural mechanisms underpin the effectiveness of the Drink Less app? *NPJ digital medicine*, 7(1), 174.

Sylvester JM, et al. (2024) Analysis of food system drivers of deforestation highlights foreign direct investments and urbanization as threats to tropical forests. *Scientific reports*, 14(1), 15179.

Gómez E, et al. (2024) Application of Biostimulant in Seeds and Soil on Three Chickpea Varieties: Impacts on Germination, Vegetative Development, and Bacterial Facilitation of Nitrogen and Phosphorus. *Life (Basel, Switzerland)*, 14(1).

Pelissari DM, et al. (2024) Time until tuberculosis recurrence and associated factors in Brazil: a populationbased retrospective cohort study using a linked database. *Revista brasileira de epidemiologia = Brazilian journal of epidemiology*, 27, e240016.

Mellor J, et al. (2024) Risk factors and prediction of hypoglycaemia using the Hypo-RESOLVE cohort: a secondary analysis of pooled data from insulin clinical trials. *Diabetologia*, 67(8), 1588.

Niknam M, et al. (2024) Health-related quality of life in adults with metabolic syndrome: a multi-level analysis of family and individual level variation. *BMJ open*, 14(11), e087870.

Reynolds H, et al. (2024) Bystander Intervention in Coercive Control: Do Ethnic Identity and Acceptance of Coercive Control Influence Willingness to Intervene? *Journal of interpersonal violence*, 39(5-6), 1082.

Zhang B, et al. (2024) Effectiveness of metformin pretreatment for stroke severity: A propensity score matching study. *CNS neuroscience & therapeutics*, 30(8), e70004.

Mousavian AH, et al. (2024) The 15-year national trends of urinary cancers incidence among Iranian men and women; 2005-2020. *International journal for equity in health*, 23(1), 13.