

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: 20260808T190505+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 127 mentions in open access literature.

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

Wei L, et al. (2026) A Type 2 Diabetes Policy Model That Predicts Remaining Life Expectancy, Quality-Adjusted Life Expectancy and Healthcare Costs for Use in Economic Evaluation, Incorporating Equity Concerns. *Diabetes, obesity & metabolism*, 28(6), 4772.

Rodrigues P, et al. (2026) Pathways to Mental Health: Exploring the Relationships Among Neighborhood Hostility, Crime, Built Environment, and Perceived Safety. *Journal of community psychology*, 54(5), e70108.

Sakai H, et al. (2026) Real-world effectiveness of b/tsDMARD switching in low-inflammatory difficult-to-treat rheumatoid arthritis: insights from the FIRST registry. *RMD open*, 12(1).

Pennington HE, et al. (2026) Proteomic Analysis of Human Chronic Traumatic Encephalopathy Brain Implicates Proteasome and Ribosome Dysfunction in Disease Progression. *bioRxiv : the preprint server for biology*.

Doucerein MM, et al. (2026) Fitting in or Not Fitting in: Cultural Congruity as a Correlate of Motivation for Intergroup Contact. *Behavioral sciences (Basel, Switzerland)*, 16(6).

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.

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).

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.

Gandhi S, et al. (2025) Demographic and other correlates of non-prescription drug use among college students during the COVID-19 pandemic. *Frontiers in public health*, 13, 1695969.

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.

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.

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.

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.

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).