

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 application, software resource

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: 20260727T040444+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 [nidm-terms](#) .

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.

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

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.

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.

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

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

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.

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.

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.

Kast S, et al. (2024) Effectiveness of whole-body electromyostimulation on knee pain and physical function in knee osteoarthritis: a randomized controlled trial. Scientific reports, 14(1), 20804.