Resource Summary Report

Generated by NIF on Apr 22, 2025

LAMP

RRID:SCR_001740
Type: Tool

Proper Citation

LAMP (RRID:SCR_001740)

Resource Information

URL: http://www.sph.umich.edu/csg/abecasis/LAMP/

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Description: Software for linkage and association modeling in pedigrees that uses a maximum likelihood model to extract information on genetic linkage and association from samples of unrelated individuals, sib pairs, trios and larger pedigrees (Li et al, 2005; Li et al, 2006). It provides estimates of genetic model parameters and powerful tests of association in settings where population stratification is not a concern.

Abbreviations: LAMP

Synonyms: Linkage and Association Modeling in Pedigrees

Resource Type: software resource, software application

Defining Citation: PMID:16642434

Keywords: gene, genetic, genomic, c++, unix, linux, windows, macos, linkage, association, modeling, pedigree

Funding:

Availability: Registration requested

Resource Name: LAMP

Resource ID: SCR_001740

Alternate IDs: nlx_154103

Record Creation Time: 20220129T080209+0000

Record Last Update: 20250421T053252+0000

Ratings and Alerts

No rating or validation information has been found for LAMP.

No alerts have been found for LAMP.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1049 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Wang X, et al. (2025) Review of Methods for Studying Viruses in the Environment and Organisms. Viruses, 17(1).

Yao L, et al. (2025) dbAMP 3.0: updated resource of antimicrobial activity and structural annotation of peptides in the post-pandemic era. Nucleic acids research, 53(D1), D364.

Basu S, et al. (2025) A Comprehensive Review of the Diagnostics for Pediatric Tuberculosis Based on Assay Time, Ease of Operation, and Performance. Microorganisms, 13(1).

Suwanngam A, et al. (2025) Development of colorimetric and fluorescent closed tube LAMP assay using simplified extraction for diagnosis of Meloidogyne enterolobii in root tissues. Scientific reports, 15(1), 160.

Patil S, et al. (2025) PathCrisp: an innovative molecular diagnostic tool for early detection of NDM-resistant infections. Scientific reports, 15(1), 490.

Han B, et al. (2025) Research on Innovative Apple Grading Technology Driven by Intelligent Vision and Machine Learning. Foods (Basel, Switzerland), 14(2).

Kato A, et al. (2025) Maximum Diameter of Ileocecal Lymph Nodes Measured Using Abdominal Ultrasonography Allows for the Discrimination of Yersinia pseudotuberculosis Infection from Kawasaki Disease. The Pediatric infectious disease journal, 44(1), 6.

Kemmler E, et al. (2025) mVOC 4.0: a database of microbial volatiles. Nucleic acids

research, 53(D1), D1692.

Islam MS, et al. (2025) Beyond Serology: A Meta-Analysis of Advancements in Molecular Detection of Brucella spp. in Seronegative Animals and Biological Samples. Veterinary medicine and science, 11(1), e70200.

Guarnizo SAG, et al. (2025) A specific, stable, and accessible LAMP assay targeting the HSP70 gene of Trypanosoma cruzi. medRxiv : the preprint server for health sciences.

Kumar A, et al. (2025) Rapid detection of the invasive tomato leaf miner, Phthorimaea absoluta using simple template LAMP assay. Scientific reports, 15(1), 573.

Dobhal S, et al. (2025) Development and validation of genome-informed and multigene-based qPCR and LAMP assays for accurate detection of Dickeya solani: a critical quarantine pathogen threatening the potato industry. Microbiology spectrum, 13(1), e0078424.

Egbo TE, et al. (2025) Rapid identification of bacterial select agents using loop-mediated isothermal amplification. BMC infectious diseases, 25(1), 63.

Ali MH, et al. (2025) Conventional and Advanced Methods Used for the Diagnosis of Fascioliosis, a Food-Borne Zoonotic Disease. Journal of parasitology research, 2025, 1353367.

Atceken N, et al. (2025) Development and Validation of LAMP Assays for Distinguishing MPXV Clades with Fluorescent and Colorimetric Readouts. Biosensors, 15(1).

Wei L, et al. (2024) A Novel Posterior Compression Score System for Outcome Prediction in Laminoplasty Treated OPLL Patients: A Propensity-Matched Analysis. Global spine journal, 14(3), 941.

Layne TR, et al. (2024) Three-Dimensional-Printed Instrument for Isothermal Nucleic Acid Amplification with Real-Time Colorimetric Imaging. Micromachines, 15(2).

Wongchai T, et al. (2024) Clinical Performance of the Reverse Transcription-Loop-Mediated Isothermal Amplification Assay for the Diagnosis of COVID-19 in a Thai Community Hospital at the Thailand-Myanmar Border. Cureus, 16(2), e54447.

Chen Y, et al. (2024) A Point-of-Care Nucleic Acid Quantification Method by Counting Light Spots Formed by LAMP Amplicons on a Paper Membrane. Biosensors, 14(3).

Douchet P, et al. (2024) The abundance of snail hosts mediates the effects of antagonist interactions between trematodes on the transmission of human schistosomes. Infectious diseases of poverty, 13(1), 65.