

Resource Summary Report

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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 application, software resource

Defining Citation: [PMID:16642434](#)

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

Availability: Free, Available for download, Freely available

Resource Name: LAMP

Resource ID: SCR_001740

Alternate IDs: nlx_154103

Record Creation Time: 20220129T080209+0000

Record Last Update: 20260919T195744+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 1166 mentions in open access literature.

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

Cezar HM, et al. (2026) Self-Assembly of Unconventional Triphenylene-Based Frustrated Amphiphile in Solution. *Langmuir : the ACS journal of surfaces and colloids*, 42(6), 4507.

Genc MG, et al. (2026) Application of COI-LAMP for Detection of *Dirofilaria immitis* with High Sensitivity and Specificity in Epidemiological Studies. *Acta parasitologica*, 71(2).

Chen Z, et al. (2026) Suppressing Primer-Driven Nonspecific Amplification in LAMP Using TrueLAMP. *bioRxiv : the preprint server for biology*.

Yi S, et al. (2026) Development of a Closed One-Tube Colorimetric and Fluorescent LAMP Assay for the Rapid Detection of Feline Herpesvirus 1. *Animals : an open access journal from MDPI*, 16(11).

Altay K, et al. (2026) Application of LAMP and TaqMan qPCR for the rapid diagnosis of *Anaplasma Capra* (an emerging tick-borne zoonotic pathogen) and comparison with Nested-PCR. *Veterinary research communications*, 50(2), 153.

Gorse A, et al. (2026) The impact of charge on chlorpromazine interaction with lipid membranes. *Journal of lipid research*, 67(5), 101035.

He X, et al. (2025) Development of Duplex Loop-Mediated Isothermal Amplification with Hydroxynaphthol Blue for Detection of Infectious Spleen and Kidney Necrosis Virus and *Aeromonas hydrophila* in Chinese Perch (*Siniperca chuatsi*). *Microorganisms*, 13(3).

Xie S, et al. (2025) Urinary Copper Is Associated with Dyslipidemia, and This Association Is Mediated by Inflammation. *Biological trace element research*, 203(11), 5505.

Fang Y, et al. (2025) Rapid detection of *Mycoplasma pneumoniae* CARDS toxin in clinical respiratory specimens by a loop-mediated isothermal amplification assay. *Frontiers in cellular and infection microbiology*, 15, 1496829.

Qiao L, et al. (2025) The clinical features, muscle pathology, and role of autophagy in anti-Ku-positive patients. *Frontiers in immunology*, 16, 1608735.

Marabella M, et al. (2025) Genome guided LAMP assay for rapid and reliable detection of *Xanthomonas axonopodis* pv. *vasculorum*. *Scientific reports*, 15(1), 23093.

Vas Nunes J, et al. (2025) Suspected Buruli ulcer cases in Tonkolili District, Sierra Leone- a prospective cohort study. *Infection*, 53(5), 2073.

Taguchi K, et al. (2025) In silico prediction of loop-mediated isothermal amplification using a generalized linear model. *Synthetic biology (Oxford, England)*, 10(1), ysaf007.

Gwak YS, et al. (2025) Development of a Rapid On-Site Method for the Detection of *Kazachstania servazzii* and *Candida sake* in Kimchi Using Loop-Mediated Isothermal Amplification. *Journal of microbiology and biotechnology*, 35, e2502029.

Hong J, et al. (2025) Study on lightweight strategies for L-YOLO algorithm in road object detection. *Scientific reports*, 15(1), 7649.

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

Zhang A, et al. (2025) A Microfluidic Chip-Based Integrated Device Combining Aerosol Sampling and LAMP-CRISPR Detection for Airborne Virus Surveillance. *Biosensors*, 15(8).

Sandetskaya N, et al. (2025) CampyTube: Seamless Integration of a Molecular Test and Lateral Flow Detection of *Campylobacter* in a Single Vial. *Biosensors*, 15(8).

Zhang Y, et al. (2025) Innovative nucleic acid detection of *Clostridioides difficile* utilizing the PAM-unconventional, one-step LAMP/CRISPR-Cas12b detection platforms. *Frontiers in cellular and infection microbiology*, 15, 1594271.

Wang H, et al. (2025) Rapid and visual detection of transmissible gastroenteritis virus using a CRISPR/Cas12a system combined with loop-mediated isothermal amplification. *BMC veterinary research*, 21(1), 234.