

Resource Summary Report

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Amplify

RRID:SCR_002956

Type: Tool

Proper Citation

Amplify (RRID:SCR_002956)

Resource Information

URL: <http://engels.genetics.wisc.edu/amplify/>

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Description: A freeware Macintosh program for simulating and testing polymerase chain reactions (PCRs) that can also be used as a tool for designing primers by evaluating candidates. It's a program to simulate the polymerase chain reaction. You specify a target sequence and primers, and it predicts the result. It's useful for planning experiments, testing primers and teaching about PCR. Amplify draws a diagram of the predicted results showing all expected primer matches and amplified fragments. Clicking on any of these objects gives additional information about them.

Abbreviations: Amplify

Synonyms: Amplify 3

Resource Type: simulation software, software application, software resource

Keywords: amplify, simulation, polymerase chain reaction, macos x, primer design, target sequence, primer

Availability: Free, Available for download, Freely available

Resource Name: Amplify

Resource ID: SCR_002956

Alternate IDs: nif-0000-30103

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260805T044046+0000

Ratings and Alerts

No rating or validation information has been found for Amplify.

No alerts have been found for Amplify.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 538 mentions in open access literature.

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

Xiong EH, et al. (2025) Protocol to identify genes important for *Candida albicans* fitness in diverse environmental conditions using pooled bar-seq screening approach. STAR protocols, 6(1), 103645.

Fang W, et al. (2025) Genetic analysis of a pedigree with hereditary coagulation factor XII deficiency. Annals of hematology, 104(2), 1281.

Schroer L, et al. (2025) Orthologues of the human protein histidine methyltransferase METTL9 display distinct substrate specificities. The Journal of biological chemistry, 301(7), 110318.

Fanari O, et al. (2025) Protocol for differential analysis of pseudouridine modifications using nanopore DRS and unmodified transcriptome control. STAR protocols, 6(3), 103948.

Zhang C, et al. (2025) Mechanistic insights into phosphorus transformation mediated by *Arthrobacter* and *Sordariomycetes* under long-term high-volume swine manure application in a wheat-rice rotation system. Frontiers in microbiology, 16, 1540267.

Shanthi N, et al. (2025) An integrated approach for mental health assessment using emotion analysis and scales. Healthcare technology letters, 12(1), e12040.

Yuan Y, et al. (2025) Protein arginine methylation regulates anti-inflammatory programming in response to aging stress. iScience, 28(8), 113095.

Li C, et al. (2025) Mining the UniProtKB/Swiss-Prot database for antimicrobial peptides. Protein science : a publication of the Protein Society, 34(4), e70083.

Kamogashira T, et al. (2025) A Sleep Sensor Made with Electret Condenser Microphones. Clocks & sleep, 7(2).

Lu Y, et al. (2025) Protocol for in vitro phase separation of N terminus of CIDEA proteins. STAR protocols, 6(2), 103779.

Schneidman R, et al. (2025) Intracellular protein crystallization in living insect cells. FEBS open bio, 15(4), 551.

- Jin B, et al. (2025) Mechanisms and genetic mutations of pyrethroid resistance in *Aedes albopictus* in the context of urbanization: a case study of Hangzhou, China. *Frontiers in cellular and infection microbiology*, 15, 1566942.
- Yang Y, et al. (2025) Evolution of enteric viruses in the progression of colorectal cancer via the adenoma-carcinoma sequence pathway. *Virus research*, 355, 199569.
- Xie D, et al. (2025) Protocol to study the effects of mutations near splicing sites on pre-mRNA splicing. *STAR protocols*, 6(1), 103673.
- Lei S, et al. (2025) The Succession of Cervical Canal Microbiota in Endometrial Cancer and Cervical Cancer: A Clinical Metagenomics Study. *International journal of women's health*, 17, 2039.
- Vieira LC, et al. (2025) Medium-sized protein language models perform well at transfer learning on realistic datasets. *Scientific reports*, 15(1), 21400.
- Verdaguer I, et al. (2025) Host-Derived Geranylgeraniol Shields Intraerythrocytic Stages of Malaria Parasites from Fosmidomycin. *Research square*.
- Arino S, et al. (2025) Deep-Learning Driven Identification of Novel Antimicrobial Peptides. *Chemistry (Weinheim an der Bergstrasse, Germany)*, 31(52), e01918.
- Jiang Q, et al. (2025) METTL14 regulates proliferation and differentiation of duck myoblasts through targeting MiR-133b. *PloS one*, 20(3), e0320659.
- Obolenski S, et al. (2025) Protocol for the functional evaluation of genetic variants using saturation genome editing. *STAR protocols*, 6(2), 103710.