

Resource Summary Report

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Amplicon

RRID:SCR_003294

Type: Tool

Proper Citation

Amplicon (RRID:SCR_003294)

Resource Information

URL: <http://sourceforge.net/projects/amplicon/>

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Description: Software tool for designing PCR primers on aligned groups of DNA sequences. The most important application is the design of "group-specific" PCR primer sets that amplify a DNA region from a given taxonomic group but do not amplify orthologous regions from other taxonomic groups. It is written in Python 2.3 and Tkinter 8.4. The current script was created for Windows and an executable is available. Future versions of the script should be able to run on Linux and Mac

Abbreviations: Amplicon

Resource Type: software resource

Defining Citation: [PMID:14962918](#)

Keywords: python, pcr primer, pcr, primer, tkinter, windows, dna sequence

Availability: Free, Available for download, Freely available

Resource Name: Amplicon

Resource ID: SCR_003294

Alternate IDs: OMICS_02329

Old URLs: <http://www.aad.gov.au/amplicon>

Record Creation Time: 20220129T080218+0000

Record Last Update: 20260905T132501+0000

Ratings and Alerts

No rating or validation information has been found for Amplicon.

No alerts have been found for Amplicon.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1955 mentions in open access literature.

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

Mun D, et al. (2026) Bovine colostrum-derived extracellular vesicles modulate gut microbiota and alleviate atopic dermatitis via the gut-skin axis. Drug delivery and translational research, 16(1), 367.

Bhattacharyya M, et al. (2026) Skin Lipid-Microbe Interplay Links Staphylococcus hominis to Barrier Control in Adult Atopic Dermatitis. Allergy, 81(2), 454.

Liu C, et al. (2026) GMrepo v3: a curated human gut microbiome database with expanded disease coverage and enhanced cross-dataset biomarker analysis. Nucleic acids research, 54(D1), D734.

Panyod S, et al. (2026) Refining antibiotic cocktail regimens for pseudo-germ-free mice and their impact on gut microbiome and pancreatic tumor proteomics. Journal of advanced research, 83, 391.

Anil , et al. (2026) Microbial zonation and functional roles in the gut of white grub (Maladera insanabilis) larvae. Scientific reports, 16(1).

Lamlom SF, et al. (2026) Integrating morphophysiological traits with salt-responsive gene expression uncovers cultivar-specific tolerance mechanisms in faba beans facing NaCl stress. Scientific reports, 16(1).

Hao D, et al. (2026) Lactobacillus salivarius SNK-6 improves egg quality, yolk nutrient composition, and yolk flavor profile in laying hens via modulation of tissue metabolites and Cecal microbiomes. Poultry science, 105(5), 106649.

Kong J, et al. (2026) Virulence attenuation of intestinal pathogenicity via combined gene deletion in duck enteritis vaccine strain restores gut microbiota balance and enhances safety. Poultry science, 105(5), 106633.

Almela P, et al. (2026) Enhancing DNA recovery in low-biomass snow algae samples: a comparative study of extraction methods and their effect on community composition. Applied and environmental microbiology, 92(4), e0003126.

Xia Q, et al. (2026) Exploration of the efficacy of eucalyptus oil (micro-capsules) and mangosteen extract against Eimeria tenella infection in chickens. Poultry science, 105(6),

106741.

Bintarti AF, et al. (2026) Evaluating the legacy of drought exposure on root and rhizosphere bacterial microbiomes over two plant generations. *Microbiology spectrum*, 14(4), e0301925.

Chatrizeh M, et al. (2026) Plant-based enteral nutrition outperforms ultra-processed formulas in mitigating consequences of antibiotic-induced dysbiosis. *JCI insight*, 11(9).

Facco CC, et al. (2026) Inoculation is more effective for main crops than for preceding cover crops and does not affect the arbuscular mycorrhizal community in no-till vegetable systems. *Mycorrhiza*, 36(2).

Lee DJ, et al. (2026) Protective Effects of *Fusarium venenatum*-Based Mycoprotein against Metabolic Dysfunction-Associated Steatohepatitis via the Gut-Liver Axis. *Journal of microbiology and biotechnology*, 36, e2602028.

Rosario YV, et al. (2026) Full-Length Next-Generation Sequencing of 11 HLA Loci of More Than 1000 Individuals From Clinical Cohorts in East and West Africa. *HLA*, 108(1), e70814.

Liu R, et al. (2026) Establishment of In Ovo *Salmonella* Enteritidis Infection and Synbiotic Delivery Models in Chick Embryos and Their Effects on Early Gut Health. *Animals : an open access journal from MDPI*, 16(12).

Wei J, et al. (2026) Spatiotemporal Dynamics and Assembly Mechanisms of Bacterial Communities in Tropical-Subtropical Coastal Waters of the Leizhou Peninsula, China. *Microorganisms*, 14(6).

Galasso R, et al. (2026) Physicochemical convergence in antibody CDR3-VH repertoires recognizing phosphorothioate-modified oligonucleotides backbone. *Frontiers in immunology*, 17, 1843118.

Zhang L, et al. (2026) Mechanism Through Which Antioxidant Polysaccharide from *Tetragium hemsleyanum* Protects Against DSS-Induced Ulcerative Colitis: Insights from Multi-Omics. *Molecules (Basel, Switzerland)*, 31(11).

Zhai Y, et al. (2026) Analysis of salivary metabolites and microbial characteristics in patients with dental fluorosis. *Clinical oral investigations*, 30(6).