

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: 20260801T190219+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 1673 mentions in open access literature.

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

Harris A, et al. (2026) Canopy reflectance as a predictor of soil microbial community composition and diversity at a continental scale. *The New phytologist*, 249(2), 829.

Yu N, et al. (2025) Screening of Antagonistic *Trichoderma* Strains to Enhance Soybean Growth. *Journal of fungi* (Basel, Switzerland), 11(2).

Liao Y, et al. (2025) Unveiling familial aggregation of nasopharyngeal carcinoma: Insights from oral microbiome dysbiosis. *Cell reports. Medicine*, 6(3), 101979.

Touchette D, et al. (2025) Experimental evidence on the impact of climate-induced hydrological and thermal variations on glacier-fed stream biofilms. *FEMS microbiology ecology*, 101(1).

Reggiani A, et al. (2025) New polymorphisms of *Vkork1* gene related to anticoagulant resistance of rats and mice in Italy. *Pest management science*, 81(6), 2869.

Hares MF, et al. (2025) Progression of the faecal microbiome in preweaning dairy calves that develop cryptosporidiosis. *Animal microbiome*, 7(1), 3.

Massamby A, et al. (2025) Microbial Contamination and Food Safety Aspects of Cassava Roasted Flour ("Rale") in Mozambique. *Microorganisms*, 13(1).

Azougagh L, et al. (2025) Characterization of microbiota signatures in Iberian pig strains using machine learning algorithms. *Animal microbiome*, 7(1), 13.

Rahman R, et al. (2025) The impact of wild-boar-derived microbiota transplantation on piglet microbiota, metabolite profile, and gut proinflammatory cytokine production differs from sow-derived microbiota. *Applied and environmental microbiology*, 91(3), e0226524.

Liu Y, et al. (2025) Global biogeography and projection of antimicrobial toxin genes. *Microbiome*, 13(1), 40.

Schaepe JM, et al. (2025) Thermodynamic principles link in vitro transcription factor affinities to single-molecule chromatin states in cells. *bioRxiv : the preprint server for biology*.

Liu W, et al. (2025) The Metabolite Indole-3-Acetic Acid of *Bacteroides Ovatus* Improves Atherosclerosis by Restoring the Polarisation Balance of M1/M2 Macrophages and Inhibiting Inflammation. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(11), e2413010.

Mahheidari N, et al. (2025) Regeneration of the skin wound by two different crosslinkers: In vitro and in vivo studies. *Iranian journal of basic medical sciences*, 28(2), 194.

Mikhailov IS, et al. (2025) Comparison of Relative and Absolute Abundance and Biomass of Freshwater Phytoplankton Taxa Using Metabarcoding and Microscopy. *Ecology and evolution*, 15(3), e70856.

Tursi A, et al. (2025) Micro-encapsulated and colonic-release sodium butyrate modulates gut microbiota and improves abdominal pain in patients with symptomatic uncomplicated diverticular disease. *Frontiers in medicine*, 12, 1487892.

Chandra S, et al. (2025) The gut microbiome controls reactive astrogliosis during A β amyloidosis via propionate-mediated regulation of IL-17. *The Journal of clinical investigation*, 135(13).

Hernández-Cacho A, et al. (2025) Multi-omics approach identifies gut microbiota variations associated with depression. *NPJ biofilms and microbiomes*, 11(1), 68.

Domínguez M, et al. (2025) Long read genome unravels MHC I genomic architecture, evolution, and diversity loss in *Gubernatrix cristata*. *iScience*, 28(5), 112301.

Brunetti K, et al. (2025) Longitudinal and Concurrent Changes in Brain and Gut due to Morphine Self-Administration. *Addiction biology*, 30(6), e70059.

Addison SL, et al. (2025) Unravelling Changes in the *Pinus radiata* Root and Soil Microbiomes as a Function of Aridity. *Global change biology*, 31(4), e70165.