Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

Ecopcr

RRID:SCR_016082
Type: Tool

Proper Citation

Ecopcr (RRID:SCR_016082)

Resource Information

URL: https://git.metabarcoding.org/obitools/ecopcr/wikis/home

Proper Citation: Ecopcr (RRID:SCR_016082)

Description: Software for Electronic PCR that estimates PCR barcode primers quality and develops new barcode primers. In conjunction with OBITools, users can postprocess ecoPCR output to compute barcode coverage and barcode specificity., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: Ecopcr

Synonyms: Ecopcr: Electronic polymerase chain reaction

Resource Type: software application, software resource

Keywords: electronic, PCR, estimate, primers, quality, barcode

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Ecopcr

Resource ID: SCR_016082

Alternate IDs: OMICS_19861

Alternate URLs: https://sources.debian.org/src/ecopcr/

Old URLs: http://www.grenoble.prabi.fr/trac/ecoPCR/

Record Creation Time: 20220129T080328+0000

Record Last Update: 20260727T040633+0000

Ratings and Alerts

No rating or validation information has been found for Ecopcr.

No alerts have been found for Ecopcr.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

Leclerc L, et al. (2025) Nested PCR to optimize rpoB metabarcoding for low-concentration and host-associated bacterial DNA. Microbiology spectrum, 13(9), e0141725.

Thiry V, et al. (2025) Using DNA metabarcoding and direct behavioural observations to identify the diet of proboscis monkeys (Nasalis larvatus) in the Kinabatangan Floodplain, Sabah. PloS one, 20(1), e0316752.

Ficetola GF, et al. (2024) In silico assessment of 18S rDNA metabarcoding markers for the characterization of nematode communities. PloS one, 19(4), e0298905.

Oliver JC, et al. (2024) Enhancing African coelacanth monitoring using environmental DNA. Biology letters, 20(10), 20240415.

Paula DP, et al. (2022) Metabarcoding versus mapping unassembled shotgun reads for identification of prey consumed by arthropod epigeal predators. GigaScience, 11.

Ji Y, et al. (2022) Measuring protected-area effectiveness using vertebrate distributions from leech iDNA. Nature communications, 13(1), 1555.

Martini G, et al. (2022) Gut microbiota correlates with antitumor activity in patients with mCRC and NSCLC treated with cetuximab plus avelumab. International journal of cancer, 151(3), 473.

Stewart A, et al. (2021) Altitudinal Zonation of Green Algae Biodiversity in the French Alps. Frontiers in plant science, 12, 679428.

Martins FMS, et al. (2021) Modelling technical and biological biases in macroinvertebrate community assessment from bulk preservative using multiple metabarcoding markers. Molecular ecology, 30(13), 3221.

Mbareche H, et al. (2021) In Silico Study Suggesting the Bias of Primers Choice in the Molecular Identification of Fungal Aerosols. Journal of fungi (Basel, Switzerland), 7(2).

Marquina D, et al. (2019) New mitochondrial primers for metabarcoding of insects, designed and evaluated using in silico methods. Molecular ecology resources, 19(1), 90.

Harper LR, et al. (2018) Needle in a haystack? A comparison of eDNA metabarcoding and targeted qPCR for detection of the great crested newt (Triturus cristatus). Ecology and evolution, 8(12), 6330.

Banos S, et al. (2018) A comprehensive fungi-specific 18S rRNA gene sequence primer toolkit suited for diverse research issues and sequencing platforms. BMC microbiology, 18(1), 190.

Riccioni G, et al. (2018) A metabarcoding approach for the feeding habits of European hake in the Adriatic Sea. Ecology and evolution, 8(21), 10435.

Bylemans J, et al. (2018) Toward an ecoregion scale evaluation of eDNA metabarcoding primers: A case study for the freshwater fish biodiversity of the Murray-Darling Basin (Australia). Ecology and evolution, 8(17), 8697.

Vörös J, et al. (2017) Surveying Europe's Only Cave-Dwelling Chordate Species (Proteus anguinus) Using Environmental DNA. PloS one, 12(1), e0170945.

Gebremedhin B, et al. (2016) DNA Metabarcoding Reveals Diet Overlap between the Endangered Walia Ibex and Domestic Goats - Implications for Conservation. PloS one, 11(7), e0159133.

Schneider J, et al. (2016) Detection of Invasive Mosquito Vectors Using Environmental DNA (eDNA) from Water Samples. PloS one, 11(9), e0162493.

Hoffmann C, et al. (2016) Assessing the feasibility of fly based surveillance of wildlife infectious diseases. Scientific reports, 6, 37952.

Srivathsan A, et al. (2016) Fecal metagenomics for the simultaneous assessment of diet, parasites, and population genetics of an understudied primate. Frontiers in zoology, 13, 17.