

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 8, 2026

PEMA

RRID:SCR_017676

Type: Tool

Proper Citation

PEMA (RRID:SCR_017676)

Resource Information

URL: <https://github.com/hariszaf/pema>

Proper Citation: PEMA (RRID:SCR_017676)

Description: Software as flexible pipeline for environmental DNA metabarcoding analysis of 16S/18S rRNA, ITS and COI marker genes. Performs reads' pre-processing, clustering to (M)OTUs and taxonomy assignment for 16S rRNA and COI marker gene data. Allows users to explore alternative algorithms for specific steps of pipeline without need of complete re-execution.

Synonyms: Pipeline for Environmental DNA Metabarcoding Analysis

Resource Type: data analysis software, data processing software, software application, software resource, software toolkit

Defining Citation: [DOI:10.1101/709113](https://doi.org/10.1101/709113)

Keywords: Environmental, DNA, metabarcoding, analysis, ASVs, OTUs, 16S rRNA, COI, ITS, marker, gene, clustering, taxonomy, bio.tools

Availability: Free, Freely available

Resource Name: PEMA

Resource ID: SCR_017676

Alternate IDs: biotools:PEMA

Alternate URLs:

<https://docs.google.com/presentation/d/1IVH23DPa2NDNBhVvOTRoip8mraw8zfw8VQwbK4vkB1U/>

<https://bio.tools/PEMA>

License: GNU GPL v3

Record Creation Time: 20220129T080336+0000

Record Last Update: 20260905T132827+0000

Ratings and Alerts

No rating or validation information has been found for PEMA .

No alerts have been found for PEMA .

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Zafeiropoulos H, et al. (2020) PEMA: a flexible Pipeline for Environmental DNA Metabarcoding Analysis of the 16S/18S ribosomal RNA, ITS, and COI marker genes. GigaScience, 9(3).