

# Resource Summary Report

Generated by [ASWG](#) on Aug 31, 2026

## PEMA

RRID:SCR\_017676

Type: Tool

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### Proper Citation

PEMA (RRID:SCR\_017676)

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### Resource Information

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

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**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:** 20260829T182548+0000

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## Ratings and Alerts

No rating or validation information has been found for PEMA .

No alerts have been found for PEMA .

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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).