

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

PEPATAC

RRID:SCR_024758

Type: Tool

Proper Citation

PEPATAC (RRID:SCR_024758)

Resource Information

URL: <https://pepatac.databio.org/en/latest/>

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Description: Software standardized pipeline for ATAC-seq data analysis with serial alignments. Leverages unique features of ATAC-seq data to optimize for speed and accuracy, and provides several unique analytical approaches. Downstream analysis is simplified by standard definition format, modularity of components, and metadata APIs in R and Python. Restartable, fault-tolerant, and can be run on local hardware, using any cluster resource manager, or in provided Linux containers. We also emphasize the advantage of aligning to the mitochondrial genome serially, which improves alignment and quality control metrics. Includes quality control plots, summary statistics, and variety of data formats.

Resource Type: software resource, software toolkit

Defining Citation: [PMID:34859208](#)

Keywords: ATAC-seq analysis pipeline, ATAC-seq data, analysis, serial alignments,

Funding: American Society of Hematology ;
Howard Hughes Medical Institute ;
NHGRI RM1 HG007735;
NIGMS R35 GM128636

Availability: Free, Available for download, Freely available

Resource Name: PEPATAC

Resource ID: SCR_024758

Alternate URLs: <https://github.com/databio/PEPATAC/releases>

Record Creation Time: 20231206T183340+0000

Ratings and Alerts

No rating or validation information has been found for PEPATAC.

No alerts have been found for PEPATAC.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Loeb GB, et al. (2024) Variants in tubule epithelial regulatory elements mediate most heritable differences in human kidney function. bioRxiv : the preprint server for biology.

Robey RW, et al. (2024) The Methyltransferases METTL7A and METTL7B Confer Resistance to Thiol-Based Histone Deacetylase Inhibitors. Molecular cancer therapeutics, 23(4), 464.