

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 7, 2026

VocalMat

RRID:SCR_022342

Type: Tool

Proper Citation

VocalMat (RRID:SCR_022342)

Resource Information

URL: <https://edspace.american.edu/openbehavior/project/vocalmat/>

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Description: Software MATLAB based toolbox for automated quantitative analysis of ultrasonic vocalizations. Utilizes image processing libraries to detect USVs and computational vision and machine learning algorithms to classify detected USVs. Used for analysis of ultrasonic vocalizations from mice using computer vision and machine learning.

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

Defining Citation: [DOI:10.7554/eLife.59161](https://doi.org/10.7554/eLife.59161)

Keywords: OpenBehavior, ultrasonic vocalizations, mice, behavioral data analysis

Availability: Free, Available for download, Freely available

Resource Name: VocalMat

Resource ID: SCR_022342

Alternate URLs: <https://github.com/ahof1704/VocalMat>

License: Apache-2.0 License

Record Creation Time: 20220602T050140+0000

Record Last Update: 20260905T133013+0000

Ratings and Alerts

No rating or validation information has been found for VocalMat.

No alerts have been found for VocalMat.

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](#) .

MacDonald A, et al. (2024) The breath shape controls intonation of mouse vocalizations. eLife, 13.