

Resource Summary Report

Generated by [nidm-terms](#) on Jul 28, 2026

DeepSqueak

RRID:SCR_021524

Type: Tool

Proper Citation

DeepSqueak (RRID:SCR_021524)

Resource Information

URL: <https://github.com/DrCoffey/DeepSqueak>

Proper Citation: DeepSqueak (RRID:SCR_021524)

Description: Software MATLAB package for high throughput ultrasonic vocalizations detection, classification, and analysis.

Resource Type: software resource, software toolkit

Defining Citation: [DOI:10.1038/s41386-018-0303-6](https://doi.org/10.1038/s41386-018-0303-6)

Keywords: data quantification, ultrasonic vocalizations quantification, ultrasonic vocalization, OpenBehavior

Availability: Free, Available for download, Freely Available

Resource Name: DeepSqueak

Resource ID: SCR_021524

Alternate URLs: <https://edspace.american.edu/openbehavior/project/deepsqueak/>

License: BSD 3-Clause

Record Creation Time: 20220129T080356+0000

Record Last Update: 20260725T191306+0000

Ratings and Alerts

No rating or validation information has been found for DeepSqueak.

No alerts have been found for DeepSqueak.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Potasiewicz A, et al. (2025) Infant rat ultrasonic vocalizations in the neurodevelopmental model of schizophrenia. Scientific reports, 15(1), 27472.

Bombail V, et al. (2025) Stage 2 Registered Report: Refinement of tickling protocols to improve positive animal welfare in laboratory rats. F1000Research, 14, 773.

Olszyński KH, et al. (2024) Male rats emit aversive 44-kHz ultrasonic vocalizations during prolonged Pavlovian fear conditioning. eLife, 12.

Gloveli N, et al. (2023) Play and tickling responses map to the lateral columns of the rat periaqueductal gray. Neuron, 111(19), 3041.

Möhrle D, et al. (2023) Characterizing maternal isolation-induced ultrasonic vocalizations in a gene-environment interaction rat model for autism. Genes, brain, and behavior, e12841.

Cox SS, et al. (2022) The role of the anterior insular during targeted helping behavior in male rats. Scientific reports, 12(1), 3315.

Ferreira H, et al. (2022) Sex-Dependent Social and Repetitive Behavior and Neurochemical Profile in Mouse Model of Autism Spectrum Disorder. Metabolites, 12(1).

Romero-Mujalli D, et al. (2021) Utilizing DeepSqueak for automatic detection and classification of mammalian vocalizations: a case study on primate vocalizations. Scientific reports, 11(1), 24463.

Binder MS, et al. (2021) Evaluating the DeepSqueak and Mouse Song Analyzer vocalization analysis systems in C57BL/6J, FVB.129, and FVB neonates. Journal of neuroscience methods, 364, 109356.

Hernandez-Lallement J, et al. (2020) Harm to Others Acts as a Negative Reinforcer in Rats. Current biology : CB, 30(6), 949.