

Resource Summary Report

Generated by NIF on Sep 2, 2026

Sound Analysis Pro

RRID:SCR_016003

Type: Tool

Proper Citation

Sound Analysis Pro (RRID:SCR_016003)

Resource Information

URL: <http://soundanalysispro.com/>

Proper Citation: Sound Analysis Pro (RRID:SCR_016003)

Description: Software for birdsong analysis that performs automated recording and analysis of animal vocalization. It can record, analyze and manage sound data over prolonged periods.

Abbreviations: SAP

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

Keywords: matlab, bird, birdsong, avian, auditory, animal, communication, record, auditory analysis

Funding: NIDCD

Availability: Free, Available for download

Resource Name: Sound Analysis Pro

Resource ID: SCR_016003

License: GNU GPL 2.0

Record Creation Time: 20220129T080328+0000

Record Last Update: 20260829T182527+0000

Ratings and Alerts

No rating or validation information has been found for Sound Analysis Pro.

No alerts have been found for Sound Analysis Pro.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Soares AYM, et al. (2026) Vocal and social impairments in songbirds embryonically exposed to an autism risk factor. *iScience*, 29(6), 115907.

Rao D, et al. (2025) Introductory notes before zebra finch song have unique timing properties while sharing acoustic properties with song. *bioRxiv : the preprint server for biology*.

Blumstein DT, et al. (2025) The sound of fear is heritable. *Current zoology*, 71(1), 49.

James LS, et al. (2025) Temporal organization of song modulates vocal learning. *iScience*, 28(7), 112789.

Leit??o A, et al. (2024) Babbling opens the sensory phase for imitative vocal learning. *Proceedings of the National Academy of Sciences of the United States of America*, 121(18), e2312323121.

Mackevicius EL, et al. (2023) Self-organization of songbird neural sequences during social isolation. *eLife*, 12.

Yamaguchi A, et al. (2023) Two conserved vocal central pattern generators broadly tuned for fast and slow rates generate species-specific vocalizations in *Xenopus* clawed frogs. *eLife*, 12.

Lorenz C, et al. (2022) Interactive extraction of diverse vocal units from a planar embedding without the need for prior sound segmentation. *Frontiers in bioinformatics*, 2, 966066.

Duffy A, et al. (2022) Dopamine neurons evaluate natural fluctuations in performance quality. *Cell reports*, 38(13), 110574.

Orije J, et al. (2021) Uncovering a 'sensitive window' of multisensory and motor neuroplasticity in the cerebrum and cerebellum of male and female starlings. *eLife*, 10.

Hayase S, et al. (2021) Seasonal regulation of singing-driven gene expression associated with song plasticity in the canary, an open-ended vocal learner. *Molecular brain*, 14(1), 160.

Paul A, et al. (2021) Behavioral discrimination and time-series phenotyping of birdsong performance. *PLoS computational biology*, 17(4), e1008820.

Barr HJ, et al. (2021) Dopamine in the songbird auditory cortex shapes auditory preference. *Current biology : CB*, 31(20), 4547.

Ausra J, et al. (2021) Wireless battery free fully implantable multimodal recording and neuromodulation tools for songbirds. *Nature communications*, 12(1), 1968.

James LS, et al. (2021) Phylogeny and mechanisms of shared hierarchical patterns in birdsong. *Current biology : CB*, 31(13), 2796.

Roeske TC, et al. (2020) Categorical Rhythms Are Shared between Songbirds and Humans. *Current biology : CB*, 30(18), 3544.

Hamaide J, et al. (2020) In vivo assessment of the neural substrate linked with vocal imitation accuracy. *eLife*, 9.

Orije J, et al. (2020) In vivo online monitoring of testosterone-induced neuroplasticity in a female songbird. *Hormones and behavior*, 118, 104639.

Vellema M, et al. (2019) Accelerated redevelopment of vocal skills is preceded by lasting reorganization of the song motor circuitry. *eLife*, 8.

Burkett ZD, et al. (2018) FoxP2 isoforms delineate spatiotemporal transcriptional networks for vocal learning in the zebra finch. *eLife*, 7.