

G-Node Services and Tools

Services and tools to facilitate data access, data management, and data sharing.



NIX for data



odML for metadata



GIN for version control,
collaboration, and data
publication

G-Node projects:
g-node.github.io

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Dashboard Issues Pull Requests Explore Help News

doi / VocalProductionLearning_P.discolor

Watch 1 Fork 0 DOI 10.12751/g-node.d?id/21

Vocal production learning in the pale spear-nosed bat, *Phyllostomus discolor*

File	Commit	Message	Time
scripts	28876587f6	gin commit from DESKTOP-ASTOGUP	1 month ago
LICENSE	caa85a29f2	Initial commit	1 month ago
README.md	f98fe9283c	'README.md' ändern	1 month ago
datacite.yml	a72a5e87d1	'datacite.yml' ändern	1 month ago
recordings1.zip	dc335bc3ba	gin commit from DESKTOP-ASTOGUP	1 month ago

README.md

VocalProductionLearning_P.discolor

Vocal production learning in the pale spear-nosed bat, *Phyllostomus discolor*

This data set includes the raw and extracted data of the corresponding publication with the same title. It also contains the extraction and analysis scripts. To work with the data, extract the raw recordings initially in one 'recordings' folder. Extract the private folder. Keep the private folder in one directory with the yin script and the extraction and analysis scripts. The Calls_bat...m files contain already extracted variables for each bat and can be used directly with the analysis script.

Datacite...

Title	Authors	Description	License	References	Funding	Keywords	Resource Type
Vocal production learning in the pale spear-nosed bat, <i>Phyllostomus discolor</i>	Lattenkamp, Ella Z.; ORCID:0000-0002-4928-8770 Vernes, Somp C.; ORCID:0000-0003-0309-4584 Wiegels, Lutz; ORCID:0000-0002-9289-6187	Raw data set and extracted data, incl. extraction and analysis scripts. Extract the raw recordings in one 'recordings' folder. Ext...	Creative Commons CC0 1.0 Public Domain Dedication (https://creativecommons.org/publicdomain/zero/1.0/)		Human Frontiers Science Program Research Grant, RGP0058/2016 Max Planck Research Group Award	Vocal production learning pitch adjustment frequency contour imitation	Dataset and scripts

Features

- Free to use
- Unlimited* storage
- Collaborative repos/datasets
- Public or private
- Web or git/ssh uploads & downloads
- Rendering for supported files
 - Structured formats: odML, JSON, YAML, Markdown
 - Media and documents: Images, Videos, PDF
- Indexing and search for text and documents

Self-hosting of independent instances: Can be set up locally (in the lab or institution)

Dataset

A three-dimensional, population-based average of the C57BL/6 mouse brain from DAPI-stained coronal slices

Frederik Filip Stæger¹, Kristian Mortensen¹, Louis Kaufmann¹, Hajime Hirase¹, Björn Sigurdsson¹, Maiken Nedergaard²

¹Center for Translational Neuromedicine, Faculty of Health and Medical Sciences, University of Copenhagen, 2200 Copenhagen, Denmark

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[10.12751/g-node.1545d5](#) [BROWSE REPOSITORY](#) [BROWSE ARCHIVE](#) [DOWNLOAD DATASET ARCHIVE \(ZIP 105 GiB\)](#)

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Description

The full data set and pipeline for constructing the three-dimensional, population-based average of the C57BL/6 mouse brain from DAPI-stained coronal slices. This repository also contains a python implementation of automatic coronal brain slice segmentation. The data set constitutes of all the raw slice images (.tif) in full resolution, the pre-processed version (.nii), the individually reconstructed brain volumes, and the final population-based average.

Keywords

[Neuroscience](#) | [Mouse brain template](#) | [C57BL/6 brain template](#) | [DAPI](#) | [Population-based average](#) | [Automatic segmentation](#) |

References

A three-dimensional, population-based average of the C57BL/6 mouse brain from DAPI-stained coronal slices

Citation

This dataset can be cited as:

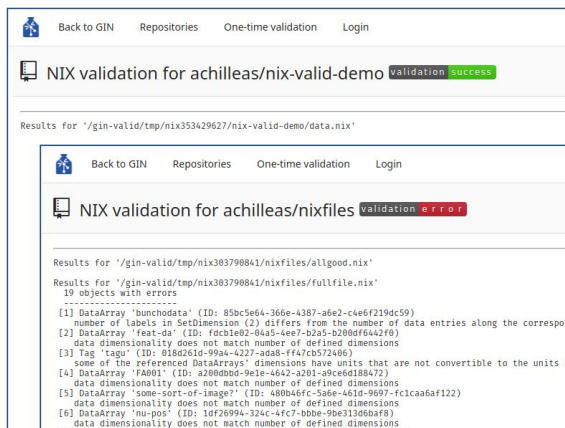
Stæger F, Mortensen K, Kaufmann L, Hirase H, Sigurdsson B, Nedergaard M, (2020) A three-dimensional, population-based average of the C57BL/6 mouse brain from DAPI-stained coronal slices. G-Node. doi:10.12751/g-node.1545d5

doi.gin.g-node.org
valid.gin.g-node.org

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Dataset publishing (DOI)

- Publish datasets or code hosted on GIN
- Persistent identifier for referencing
- Permanent archive of your data and/or code
- Recommended by *Scientific Data* and *PLOS ONE*



Back to GIN Repositories One-time validation Login

NIX validation for achilleas/nix-valid-demo Validation success

Results for '/gin-valid/tmp/nix353429627/nix-valid-demo/data.nix'

Back to GIN Repositories One-time validation Login

NIX validation for achilleas/nixfiles validation error

Results for '/gin-valid/tmp/nix383798841/nixfiles/allgood.nix'

Results for '/gin-valid/tmp/nix383798841/nixfiles/fullfile.nix'

19 objects with errors

- [1] DataArray 'bunchodata' (ID: 85bc5e64-366e-4387-a6e2-c4e6f219dc59)
number of labels in SetDimension (2) differs from the number of data entries along the correspond
- [2] DataArray 'feat-da' (ID: f6c31e02-8a5-4ee7-b2a5-b208f64a27f6)
data dimensionality does not match number of defined dimensions
- [3] Tag 'tagu' (ID: 018d261d-99a4-4227-adab-ff47cb572406)
some of the referenced DataArrays' dimensions have units that are not convertible to the units s
- [4] DataArray 'FA001' (ID: a2080b0d-9e1e-4642-a201-a9ce6d188472)
data dimensionality does not match number of defined dimensions
- [5] DataArray 'some-sort-of-image' (ID: 480b4dfc-5ade-461e-9097-fc1caa6af122)
data dimensionality does not match number of defined dimensions
- [6] DataArray 'nu-poi' (ID: 1d726994-324c-4fc7-b0be-9be310dbaf8)
data dimensionality does not match number of defined dimensions

Validation service (beta)

- Automatic validation of NIX, odML, and BIDS files
- Can be easily extended to support more formats