

Resource Summary Report

Generated by [RRID](#) on Aug 11, 2026

SomaDetection

RRID:SCR_015717

Type: Tool

Proper Citation

SomaDetection (RRID:SCR_015717)

Resource Information

URL: <https://github.com/wilsonGW/SomaDetection>

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Description: Source code for a machine learning method to detect somas on confocal microscopic images of the Drosophila brain. The method can be applied to the original raw images where the noises are not removed and the number of somas is unknown.

Synonyms: Soma Detection

Resource Type: source code, software resource, algorithm resource

Defining Citation: [DOI:10.1007/s12021-017-9342-0](https://doi.org/10.1007/s12021-017-9342-0)

Keywords: soma detection, drosophila, confocal microscopic image, machine learning, algorithm, c++

Availability: Free, Available for download

Resource Name: SomaDetection

Resource ID: SCR_015717

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260812T044311+0000

Ratings and Alerts

No rating or validation information has been found for SomaDetection.

No alerts have been found for SomaDetection.

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 [RRID](#) .

He GW, et al. (2018) Soma Detection in 3D Images of Neurons using Machine Learning Technique. Neuroinformatics, 16(1), 31.