# CODECHECK certificate 2025-023

github.com/codecheckers/certificate-2025-023/

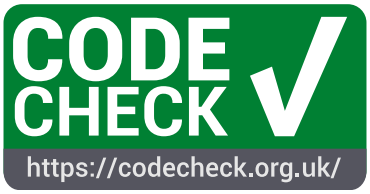


**Table 1: CODECHECK summary**

| Item | Value |
|---|---|
| Title | *A calibrated optogenetic toolbox of stable zebrafish opsin lines* |
| Authors | Paride Antinucci (ORCID: 0000-0003-0573-5383)<br>Adna Dumitrescu (ORCID: 0000-0002-7354-1452)<br>Charlotte Deleuze<br>Holly J Morley (ORCID: 0000-0002-0007-3563)<br>Kristie Leung<br>Tom Hagley<br>Fumi Kubo<br>Herwig Baier (ORCID: 0000-0002-7268-0469)<br>Isaac H Bianco (ORCID: 0000-0002-3149-4862)<br>Claire Wyart (ORCID: 0000-0002-1668-4975) |
| Reference | doi.org/10.7554/eLife.54937 |
| Repository | github.com/codecheckers/certificate-2025-023 |
| Codechecker | Linus Dexter Hackel (ORCID: 0009-0000-0114-8005) |
| Date of check | 2025-12-30 |
| Summary | The check was just started. |

**Table 2: Summary of output files generated**

| File | Comment | Size (b) |
|---|---|---|
| `Gapfree_AP_stim.csv` | The .csv file containing the gap free AP stim. | 1870 |
| `figure4.pdf` | The fourth figure from the paper. | 16548 |

## Summary

The check was just started.

## CODECHECKER notes

Setting up the environment took a bit of time, as older versions of Python and older Dependencies needed to be properly installed, but it is all very well documented in the README file what dependencies need to be installed and with which version.

## Recommendations to the authors

*TODO*

## Citing this document

yooooo

Linus Dexter Hackel (2025). CODECHECK Certificate 2025-023. Zenodo. github.com/codecheckers/certificate-2025-023/

## About CODECHECK

This certificate confirms that the codechecker could independently reproduce the results of a computational analysis given the data and code from a third party. A CODECHECK does not check whether the original computation analysis is correct. However, as all materials required for the reproduction are freely availableby following the links in this document, the reader can then study for themselves the code and data.

## About this document

This document was created using a jupyter notebook and converted into Markdown via nbconvert nd pandoc. Afterwards it was converted into Typst using cmarker and then into PDF using Typst.

## License

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## Manifest files

### CSV files

**`Analysis_output/Gapfree_AP_stim.csv`**

Author comment: *The .csv file containing the gap free AP stim.*

**Column summary statistics:**

+—+———+——+——+——+——+——+——+——+ | | count | mean | std | min | 25% | 50% | 75% | max | +====+=========+========+========+========+========+========+========+= | 0 | 8 | 3.5000 | 2.4495 | 0.0000 | 1.7500 | 3.5000 | 5.2500 | 7.0000 | +—+———+——+——+——+——+——+——+——+

## Figures