

# Package ‘synaptome.data’

December 10, 2025

**Type** Package

**Title** AnnotationData for Synaptome.DB package

**Version** 0.99.6

**Date** 2022-10-12

**Description** The package provides access to the copy of the Synaptic proteome database. It was designed as an accompaniment for Synaptome.DB package. Database provides information for specific synaptic genes and allows building the protein-protein interaction graph for gene sets, synaptic compartments, and brain regions. In the current update we added 6 more synaptic proteome studies, which resulted in total of 64 studies. We introduced Synaptic Vesicle as a separate compartment. We also added coding mutations for Autistic Spectral disorder and Epilepsy collected from publicly available databases.

**License** Artistic-2.0

**Encoding** UTF-8

**BugReports** <https://github.com/lptolik/synaptome.db/issues/>

**biocViews** CustomDBSchema, AnnotationHub, FunctionalAnnotation, AnnotationData

**RoxygenNote** 7.2.1

**Depends** R (>= 3.5.0), AnnotationHub

**Suggests** BiocStyle, knitr, RefManageR, rmarkdown, sessioninfo

**VignetteBuilder** knitr

**git\_url** <https://git.bioconductor.org/packages/synaptome.data>

**git\_branch** devel

**git\_last\_commit** 0a8f3a9

**git\_last\_commit\_date** 2022-10-18

**Repository** Bioconductor 3.23

**Date/Publication** 2025-12-10

**Author** Anatoly Sorokin [aut],  
Oksana Sorokina [aut, cre],  
J. Douglas Armstrong [aut]

**Maintainer** Oksana Sorokina <oksana.sorokina@ed.ac.uk>

## Contents

synaptome.data . . . . .	2
<b>Index</b>	<b>3</b>

---

synaptome.data	<i>synaptome.data: AnnotationHub version of Synaptome.DB</i>
----------------	--

---

## Description

The package provides access to the public copy of the Synaptic proteome database. It was designed as an accompaniment for [synaptome.db](#) package. Database provides information for specific genes and allows building the protein-protein interaction graph for gene sets, synaptic compartments, and brain regions. not intended for direct access. All querying and analysis is supposed to be performed via [synaptome.db](#) functionality.

## Author(s)

**Maintainer:** Oksana Sorokina <oksana.sorokina@ed.ac.uk>

Authors:

- Anatoly Sorokin <lptolik@gmail.com>
- J. Douglas Armstrong

## References

Sorokina, O., Mclean, C., Croning, M.D.R. et al. (2021) "A unified resource and configurable model of the synapse proteome and its role in disease." *Sci Rep* **11**(1), 9967–9. <https://doi.org/10.1038/s41598-021-88945-7>

## See Also

Useful links:

- Report bugs at <https://github.com/lptolik/synaptome.db/issues/>

# Index

`synaptome.data`, [2](#)  
`synaptome.data-package`  
    (`synaptome.data`), [2](#)  
`synaptome.db`, [2](#)