

Package ‘allenpvc’

April 11, 2019

Title GEO accession data GSE71585 as a SingleCellExperiment

Version 1.0.0

Author Diogo P. P. Branco

Maintainer Diogo P. P. Branco <diogo.pp.branco@gmail.com>

Description Celular taxonomy of the primary visual cortex in adult mice based on single cell RNA-sequencing from a study performed by the Allen Institute for Brain Science. In said study 49 transcriptomic cell types are identified.

License CC0

NeedsCompilation no

Depends R (>= 3.5.0), AnnotationHub, ExperimentHub (>= 1.7.0), SingleCellExperiment

Suggests BiocStyle, knitr, rmarkdown

VignetteBuilder knitr

Encoding UTF-8

biocViews ExperimentData, ExpressionData, SingleCellData, RNASeqData

RoxygenNote 6.0.1

git_url <https://git.bioconductor.org/packages/allenpvc>

git_branch RELEASE_3_8

git_last_commit b7bed86

git_last_commit_date 2018-10-30

Date/Publication 2019-04-11

R topics documented:

allenpvc	2
Index	3

allenpvc

Adult mouse cortical cell taxonomy by single cell transcriptomics

Description

Cellular taxonomy of the primary visual cortex in adult mice based on single cell RNA-sequencing from a study performed by the Allen Institute for Brain Science. In said study 49 transcriptomic cell types are identified. This data set is the supplementary data from GEO accession [GSE71585](#) encapsulated in a [SingleCellExperiment](#).

Format

The data is encapsulated in a [SingleCellExperiment](#) object available through [ExperimentHub](#)

Details

See the vignette for examples of using these data in differential gene expression analysis.

```
browseVignettes("allenpvc")
```

Details of how this data was created are in the `inst/scripts/` directory of the source package.

Source

<https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE71585>

References

Tasic, Bosiljka, et al. Adult mouse cortical cell taxonomy revealed by single cell transcriptomics. *Nature neuroscience* 19.2 (2016): 335.

Examples

```
allenpvc()
```

Index

[allenpvc](#), [2](#)

[ExperimentHub](#), [2](#)

[SingleCellExperiment](#), [2](#)