Package 'allenpvc'

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Title GEO accession data GSE71585 as a SingleCellExperiment

Version 1.2.0

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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.

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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

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R topics documented:

allenpvc *Adult mouse cortical cell taxonomy by single cell transcriptomics*

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. 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()
```

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