

Package ‘scRNAseq’

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Title A Collection of Public Single-Cell RNA-Seq Datasets

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Description Gene-level read counts of three public scRNA-seq datasets.
See vignette for details.

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NeedsCompilation no

Depends R (>= 3.3), SummarizedExperiment

Suggests BiocStyle, knitr, rmarkdown

VignetteBuilder knitr

Encoding UTF-8

biocViews ExperimentData, ExpressionData, SequencingData, RNASeqData

R topics documented:

scRNAseq-package	1
Index	3

scRNAseq-package *A Collection of Public Single-Cell RNA-Seq Datasets*

Description

Gene-level read counts of three public scRNA-seq datasets. See vignette for details.

Details

This package contains a collection of three publicly available single-cell RNA-seq datasets.

The dataset `fluidigm` contains 65 cells from Pollen et al. (2014), each sequenced at high and low coverage.

The dataset `th2` contains 96 T helper cells from Mahata et al. (2014).

The dataset `allen` contains 379 cells from the mouse visual cortex. This is a subset of the data published in Tasic et al. (2016).

See the package vignette for details on the pre-processing of the data.

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References

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Mahata, Zhang, Kolodziejczyk, Proserpio, Haim-Vilmovsky, Taylor, Hebenstreit, Dingler, Moignard, Gottgens, Arlt, McKenzie, Teichmann. Single-Cell RNA Sequencing Reveals T Helper Cells Synthesizing Steroids De Novo to Contribute to Immune Homeostasis. *Cell Reports*, 7(4): 1130–1142 (2014).

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Index

[allen \(scRNAseq-package\)](#), [1](#)

[fluidigm \(scRNAseq-package\)](#), [1](#)

[scRNAseq \(scRNAseq-package\)](#), [1](#)
[scRNAseq-package](#), [1](#)

[th2 \(scRNAseq-package\)](#), [1](#)