Package 'scTHI.data'

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Type Package

Title The package contains examples of single cell data used in vignettes and examples of the scTHI package; data contain both tumor cells and immune cells from public dataset of glioma

Version 1.24.0

Description Data for the vignette and tutorial of the package scTHI.

License GPL-2

Depends R (>= 4.0)

Encoding UTF-8

LazyData false

RoxygenNote 6.1.1.9000

biocViews ExperimentData, SingleCellData

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H3K27 *Example expression matrix for scTHI.*

Description

A 21673 x 5527 matrix patient PatientBCH836 form Filbin, M. G., Tirosh, I., Hovestadt, V., Shaw, M. L., Escalante, L. E., Mathewson, N. D., ... & Haberler, C. (2018). Developmentaland oncogenic programs in H3K27M gliomas dissected by single-cell RNA-seq. Science, 360(6386), 331-335. H3K27

Usage

```
H3K27
```

Format

An object of class `matrix` with 21673 rows and 527 columns.

H3K27.meta *Annotation for the H3K27 e expression matrix for scTHI.*

Description

A dataframe 527x9 for the matrix of patient PatientBCH836 form Filbin, M. G., Tirosh, I., Hovestadt, V., Shaw, M. L., Escalante, L. E., Mathewson, N. D., ... & Haberler, C. (2018). Developmentaland oncogenic programs in H3K27M gliomas dissected by single-cell RNA-seq. Science, 360(6386), 331-335. H3K27.annotation

Usage

```
H3K27.meta
```

Format

An object of class `data.frame` with 527 rows and 9 columns.

MGH45 *Example expression matrix for scTHI.*

Description

A 17584 x 608 matrix patient PatientBCH836 form Venteicher AS, Tirosh I, Hebert C, Yizhak K et al. Decoupling genetics, lineages, and microenvironment in IDH-mutant gliomas by single-cell RNA-seq. Science 2017 Mar 31;355(6332) MGH45

Usage

```
MGH45
```

Format

An object of class `matrix` with 17584 rows and 608 columns.

MGH45.annotation *Annotation for Example expression matrix for scTHI.*

Description

A 608 x 2 dataframe with the annotation for the MGH4 matrix Venteicher AS, Tirosh I, Hebert C, Yizhak K et al. Decoupling genetics, lineages, and microenvironment in IDH-mutant gliomas by single-cell RNA-seq. Science 2017 Mar 31;355(6332) MGH45.annotation

Usage

```
MGH45.annotation
```

Format

An object of class `data.frame` with 608 rows and 2 columns.

scExample *Example expression matrix for scTHI.*

Description

A 2000 x 100 matrix from the wiki manual to showcase the use of scTHI scExample

Usage

```
scExample
```

Format

An object of class `matrix` with 2000 rows and 100 columns.

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