Package 'SpatialDatasets'

August 1, 2024

Version 1.2.0

Title Collection of spatial omics datasets

Description This is a collection of publically available spatial omics datasets.
Where possible we have curated these datasets as either SpatialExperiments,
MoleculeExperiments or CytoImageLists and included annotations of the sample
characteristics.

URL https://github.com/SydneyBioX/SpatialDatasets

BugReports https://github.com/SydneyBioX/SpatialDatasets/issues

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Encoding UTF-8

biocViews ExperimentData, ExperimentHub, ReproducibleResearch,
SingleCellData, SpatialData, Homo_sapiens_Data,
Mus_musculus_Data

Depends ExperimentHub, SpatialExperiment,

Imports utils

VignetteBuilder knitr

Suggests BiocStyle, knitr, rmarkdown

RoxygenNote 7.2.3

git_url https://git.bioconductor.org/packages/SpatialDatasets

git_branch RELEASE_3_19

git_last_commit de579c9

git_last_commit_date 2024-04-30

Repository Bioconductor 3.19

Date/Publication 2024-08-01

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Contents

| SpatialDatasets | *A collection of publically available spatial omics datasets.* |

Description

This is a collection of publically available spatial omics datasets. Where possible we have curated these datasets as either SpatialExperiments, MoleculeExperiments or CytoImageLists and included annotations of the sample characteristics.

Details

The `SpatialDatasets` package contains a collection of spatially-resolved omics datasets for use in examples, demonstrations, and tutorials.

The datasets are from several different platforms including IMC, MIBI-TOF, Xenium, CosMx and MERFISH. They have been sourced from various publicly available sources.

Additional examples and documentation are provided in the package vignette.

Datasets

The `SpatialDatasets` package contains the following datasets:

- spe_Keren_2018 (MIBI-TOF): A study on triple negative breast cancer containing 40 samples measured using MIBI-TOF published by [Keren et al. (2018)](https://doi.org/10.1016/j.cell.2018.08.039).

Value

The datasets will be a SpatialExperiment or MoleculeExperiment.

Examples

```
# load using dataset name
spe <- spe_Keren_2018()
spe
```

Index