# R documentation

## of 'DDLSChungSmall.Rd'

### September 3, 2020

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DDLSChungSmall      *DigitalDLSorter 'toy' object.*

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## Description

DigitalDLSorter 'toy' object containing a subset from the original data set used for generating breast.chung.generic and breast.chung.specific models in order to show some examples in vignette and documentation. Moreover, it contains the corresponding ZinbParams object in zinb.params slot. Data is stored as a SingleCellExperiment object with counts in assay slot, cells metadata in colData slot and genes metadata in rowData slot.

## Usage

DDLSChungSmall

## Format

An object of class DigitalDLSorter of length 1.

## Details

For more information about the complete data set, see breast.chung.generic or breast.chung.specific.

## Source

https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE75688

## References

Chung, W., Eum, H. H., Lee, H. O., Lee, K. M., Lee, H. B., Kim, K. T., et al. (2017). Single-cell RNA-seq enables comprehensive tumour and immune cell profiling in primary breast cancer. Nat. Commun. 8 (1), 15081. doi: 10.1038/ncomms15081.

Torroja, C. y Sánchez-Cabo, F. (2019). digitalDLSorter: A Deep Learning algorithm to quantify immune cell populations based on scRNA-Seq data. Frontiers in Genetics 10, 978. doi: 10.3389/fgene.2019.00978

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