

Package ‘minfiData’

June 1, 2023

Version 0.46.0

Title Example data for the Illumina Methylation 450k array

Description Data from 6 samples across 2 groups from 450k methylation arrays.

Author Kasper Daniel Hansen, Martin Aryee, Winston Timp

Maintainer Kasper Daniel Hansen <kasperdanielhansen@gmail.com>

License Artistic-2.0

Depends R (>= 3.3.0), minfi (>= 1.21.2),
IlluminaHumanMethylation450kmanifest,
IlluminaHumanMethylation450kanno.ilmn12.hg19

LazyData yes

biocViews Homo_sapiens_Data, MethylationArrayData, MicroarrayData

git_url <https://git.bioconductor.org/packages/minfiData>

git_branch RELEASE_3_17

git_last_commit 10d4541

git_last_commit_date 2023-04-25

Date/Publication 2023-06-01

R topics documented:

MsetEx	2
RGsetEx	3

Index	4
--------------	----------

MsetEx	<i>An example dataset for Illumina's Human Methylation 450k dataset, after preprocessing.</i>
--------	---

Description

This contains the raw data for 6 samples from Illumina's Human Methylation 450k dataset. The data has been preprocessed.

Usage

```
data(MsetEx)
data(MsetEx.sub)
```

Details

Currently, the pheno data for these 6 samples are masked. Scripts for creating the object is found in the scripts directory of the package and extdata contains the IDAT files. The data has been preprocessed using preprocessRaw.

The MsetEx.sub is a subset with 600 CpGs (200 of Type II, 200 of Type I - Red and 200 of Type II - Green), used for examples.

Value

An object of class "MethylSet"

See Also

[MethylSet](#) for the class definition, [preprocessRaw](#) for the preprocessing function, [RGsetEx](#) for the companion raw data.

Examples

```
data(MsetEx)
data(MsetEx.sub)
pData(MsetEx)
```

RGsetEx*An example dataset for Illumina's Human Methylation 450k dataset.*

Description

This contains the raw data for 6 samples from Illumina's Human Methylation 450k dataset.

Usage

```
data(RGsetEx)
data(RGsetEx.sub)
```

Details

Currently, the pheno data for these 6 samples are masked. Scripts for creating the object is found in the `scripts` directory of the package and `extdata` contains the IDAT files.

The `RGsetEx.sub` is a subset with 600 CpGs (200 of Type II, 200 of Type I - Red and 200 of Type II - Green), used for examples.

Value

An object of class "RGChannelSet"

See Also

[RGChannelSet](#) for the class definition, [MsetEx](#) for the comparison preprocessed data.

Examples

```
data(RGsetEx)
data(RGsetEx.sub)
pData(RGsetEx)
```

Index

* **datasets**

MsetEx, [2](#)

RGsetEx, [3](#)

MethylSet, [2](#)

MsetEx, [2](#), [3](#)

preprocessRaw, [2](#)

RGChannelSet, [3](#)

RGsetEx, [2](#), [3](#)