Package 'minfiData'

October 15, 2026

Version 0.58.0

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_23

git_last_commit 257138a

git_last_commit_date 2026-04-28

Repository Bioconductor 3.23

Date/Publication 2026-10-15

Contents

MsetEx 2
RGsetEx 3

Index **4**

MsetEx *An example dataset for Illumina's Human Methylation 450k dataset, after preprocessing.*

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 comparion 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