

Package ‘minfiDataEPIC’

October 16, 2021

Version 1.18.0

Title Example data for the Illumina Methylation EPIC array

Description

Data from 3 technical replicates of the cell line GM12878 from the EPIC methylation array.

Author Jean-Philippe Fortin, Kasper Daniel Hansen

Maintainer Kasper Daniel Hansen <kasperdanielhansen@gmail.com>

License Artistic-2.0

Depends R (>= 3.3), minfi (>= 1.21.2),
IlluminaHumanMethylationEPICmanifest,
IlluminaHumanMethylationEPICanno.ilm10b2.hg19

LazyData yes

biocViews Homo_sapiens_Data, MethylationArrayData, MicroarrayData

NeedsCompilation no

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

git_branch RELEASE_3_13

git_last_commit 4b61f27

git_last_commit_date 2021-05-19

Date/Publication 2021-10-16

R topics documented:

MsetEPIC	1
RGsetEPIC	2

Index	3
--------------	----------

MsetEPIC	<i>An example dataset for Illumina’s Human Methylation EPIC dataset, after preprocessing.</i>
----------	---

Description

This contains the raw data for 3 technical replicates of the cell line GM12878 from the Illumina’s Human Methylation EPIC platform. The data has been preprocessed with preprocessRaw.

Usage

```
data(MsetEPIC)
```

Format

An object of class "MethylSet"

Details

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.

See Also

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

Examples

```
data(MsetEPIC)
pData(MsetEPIC)
```

RGsetEPIC

An example dataset for the Illumina's Human Methylation EPIC platform.

Description

This contains the raw data for 3 technical replicates of the cell line GM12878 from the Illumina's Human Methylation EPIC platform.

Usage

```
data(RGsetEPIC)
```

Format

An object of class "RGChannelSet"

Details

Scripts for creating the object is found in the scripts directory of the package and extdata contains the IDAT files.

See Also

[RGChannelSet](#) for the class definition, [MsetEPIC](#) for the companion preprocessed data.

Examples

```
data(RGsetEPIC)
pData(RGsetEPIC)
```

Index

* datasets

MsetEPIC, [1](#)

RGsetEPIC, [2](#)

MethylSet, [2](#)

MsetEPIC, [1](#), [2](#)

preprocessRaw, [2](#)

RGChannelSet, [2](#)

RGsetEPIC, [2](#), [2](#)