

# Package ‘minfiDataEPIC’

November 21, 2024

**Version** 1.32.0

**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\_20

**git\_last\_commit** 367d484

**git\_last\_commit\_date** 2024-10-29

**Repository** Bioconductor 3.20

**Date/Publication** 2024-11-21

## Contents

MsetEPIC . . . . .	2
RGsetEPIC . . . . .	2
<b>Index</b>	<b>4</b>

---

MsetEPIC

*An example dataset for Illumina's Human Methylation EPIC dataset, after preprocessing.*

---

### 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, [2](#)

RGsetEPIC, [2](#)

MethylSet, [2](#)

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

preprocessRaw, [2](#)

RGChannelSet, [3](#)

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