

# Package ‘ARRmData’

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**Version** 1.10.0

**Title** Example dataset for normalization of Illumina 450k Methylation data

**Description** Raw Beta values from 36 samples across 3 groups from Illumina 450k methylation arrays

**Author** Jean-Philippe Fortin, Celia M.T. Greenwood, Aurelie Labbe

**Maintainer** Jean-Philippe Fortin <jfortin@jhsph.edu>

**License** Artistic-2.0

**Depends** R (>= 3.0.0)

**biocViews** ExperimentData, MethylationArrayData

**NeedsCompilation** no

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betaMatrix	<i>Example of a matrix of Beta values from the Illumina 450k array</i>
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## Description

The matrix contains the Beta values of a set of 36 samples from the Illumina Infinium Human-Methylation 450k array

## Usage

```
data(betaMatrix)
```

## Format

A data frame with 485577 observations (rows) and 36 samples (columns)

## Details

Column names correspond to the sample names (of the form 5621146025\_R06C02)

## See Also

[normalizeARRm](#) for normalization of the Beta values, [greenControlMatrix](#) and [redControlMatrix](#) for the associated negative control probe data.

## Examples

```
data(betaMatrix)
```

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greenControlMatrix	<i>Example of a matrix containing the green negative control probes from the Illumina 450k array</i>
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## Description

The matrix contains the raw intensities of 600 negative control probes measured in the green channel for 36 samples from the Illumina Infinium HumanMethylation 450k array

## Usage

```
data(greenControlMatrix)
```

## Format

A data frame with 600 observations (rows) and 36 samples (columns)

## Details

Column names correspond to the sample names (of the form 5621146023\_R01C01). These samples correspond to those of [betaMatrix](#).

## See Also

[getBackground](#) to obtain background information, [redControlMatrix](#) for the equivalent negative control probes in the red channel

## Examples

```
data(greenControlMatrix)
```

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redControlMatrix	<i>Example of a matrix containing the red negative control probes from the Illumina 450k array</i>
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**Description**

The matrix contains the raw intensities of 600 negative control probes measured in the red channel for 36 samples from the Illumina Infinium HumanMethylation 450k array

**Usage**

```
data(redControlMatrix)
```

**Format**

A data frame with 600 observations (rows) and 36 samples (columns)

**Details**

Column names correspond to the sample names (of the form 5621146023\_R01C01). These samples correspond to those of [betaMatrix](#)

**See Also**

[getBackground](#) to obtain background information, [greenControlMatrix](#) for the equivalent negative control probes in the green channel

**Examples**

```
data(redControlMatrix)
```

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sampleNames	<i>An example of sample names for the Illumina 450k array</i>
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**Description**

Sample names for a dataset containing 36 samples from the Illumina Infinium HumanMethylation 450k array.

**Usage**

```
data(sampleNames)
```

**Format**

A character vector

**Details**

Names are of the form 5621146023\_R01C01. These sample names correspond to the names of the samples in [betaMatrix](#)

**See Also**

[getDesignInfo](#) to obtain design information,

**Examples**

```
data(sampleNames)
```

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