Package 'ARRmData'

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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

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betaMatrix *Example of a matrix of Beta values from the Illumina 450k array*

Description

The matrix contains the Beta values of a set of 36 samples from the Illumina Infinium HumanMethylation 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)
```

---

greenControlMatrix *Example of a matrix containing the green negative control probes from the Illumina 450k array*

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 contol probes in the red channel

Examples

```
data(greenControlMatrix)
```

---

redControlMatrix *Example of a matrix containing the red negative control probes from the Illumina 450k array*

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 contol probes in the green channel

Examples

```
data(redControlMatrix)
```

`sampleNames` *An example of sample names for the Illumina 450k array*

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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