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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NeedsCompilation no

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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 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)

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 control 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 control probes in the green channel

**Examples**

data(redControlMatrix)

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**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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