Package 'cancerdata'

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Type Package

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Title Development and validation of diagnostic tests from high-dimensional molecular data: Datasets

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Description Dataset for the R package cancerclass

Depends R (>= 2.10.1), Biobase

License GPL (>= 2)

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Contents

cancerdata-package *Development and validation of diagnostic tests from high-dimensional molecular data: Datasets*

Description

This package contains dataset for the R package cancerclass.

Details

Package:	cancerdata
Type:	Package
Version:	1.1.0
Date:	2010-10-26
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Author(s)

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References

[1] Michiels S, Koscielny S, Hill C (2005), *Prediction of cancer outcome with microarrays: a multiple random validation strategy*, Lancet 365:488-492.

See Also

VEER1

Examples

```
### see: help(VEER1);
```

VEER *Breast cancer gene expression data (van't Veer)*

Description

Gene expression data from the breast cancer microarray study of van't Veer et al. [1]. The data set VEER includes gene expression values of 24481 genes in 78 tumor samples. The data set VEER1 is a filtered version [2] of VEER including gene expression values of 4948 genes in 78 tumor samples).

Usage

```
data(VEER)
data(VEER1)
```

Value

Data and annotations are organized in a ExtressenSet of the package Biobase.

VEER	ExpressionSet
VEER1	ExpressionSet

References

[1] van 't Veer LJ et al. (2002), *Gene expression profiling predicts clinical outcome of breast cancer*, Nature 415:530-536.
[2] Michiels S, Koscielny S, Hill C (2005), *Prediction of cancer outcome with microarrays: a multiple random validation strategy*, Lancet 365:488-492.

Examples

```
### see: help(GOLUB);
```

VIJVER *Breast cancer gene expression data (Vijver)*

Description

Gene expression data from the breast cancer microarray study of Vijver et al. [1]. The data set VIJVER includes expression values of 24481 genes in 295 tumor samples. The data set VIJVER1 is a filtered version of VIJVER [2] including expression values of 4948 genes in 295 tumor samples.

Usage

```
data(VIJVER)
data(VIJVER1)
```

Value

Data and annotations are organized in a ExtressenSet of the package Biobase.

VIJVER	ExpressionSet
VIJVER1	ExpressionSet

References

[1] van de Vijver MJ, He YD, van't Veer LJ, et al. (2002): *A gene-expression signature as a predictor of survival in breast cancer.* N Engl J Med, 347:1999-2009.
[2] Michiels S, Koscielny S, Hill C (2005), *Prediction of cancer outcome with microarrays: a multiple random validation strategy*, Lancet 365:488-493.

Examples

```
### see: help(GOLUB);
```

YOUNG *Breast cancer gene expression data (van't Veer, young patients)*

Description

Gene expression data from the breast cancer microarray study of van't Veer et al. [1]. The data set VEER includes gene expression values of 24481 genes in 19 tumor samples. The data set VEER1 is a filtered version [2] of VEER including gene expression values of 4948 genes in 19 tumor samples).

Usage

```
data(YOUNG)
data(YOUNG1)
```

Value

Data and annotations are organized in a ExtressenSet of the package Biobase.

YOUNG	ExpressionSet
YOUNG1	ExpressionSet

References

[1] van 't Veer LJ et al (2002), *Gene expression profiling predicts clinical outcome of breast cancer*, Nature 415:530-56.
[2] Michiels S, Koscielny S, Hill C (2005), *Prediction of cancer outcome with microarrays: a multiple random validation strategy*, Lancet 365:488-492.

Examples

```
### see: help(GOLUB);
```

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