Package ‘TCGAbiolinksGUI.data’

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Title Data for the TCGAbiolinksGUI package
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Description Supporting data for the TCGAbiolinksGUI package.
License GPL-3
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### Description

Contains all GDC projects with open data

#### Usage

```r
data("GDCdisease")
```

#### Format

A named list with 39 projects

#### Source

Retrieved from GDC API

### Description

GENCODE v36 gene information

#### Usage

```r
data("gencode.v36.annotation.genes")
```

#### Format

A Granges object

#### Source

Downloaded from GENCODE v36 https://www.gencodegenes.org/human/release_36.html Comprehensive gene annotation and filtered to genes
gene.location.hg19

---

**gene.location.hg19**  
*Biomart hg19 gene information*

**Description**

Biomart hg19 gene information

**Usage**

```
data("gene.location.hg19")
```

**Format**

A table

**Source**

Downloaded with biomart

---

gene.location.hg38  
*Biomart hg38 gene information*

**Description**

Biomart hg38 gene information

**Usage**

```
data("gene.location.hg38")
```

**Format**

A table

**Source**

Downloaded with biomart
glioma.gcimp.model  gcimp RF model

Description
A RF model able to classify DNA methylation samples in to GCIMP groups

Usage
data("glioma.gcimp.model")

Format
A random forest model with 276 samples and 145 predictors classifying into 3 classes

Source
RF model created from DNA methylation signatures retrieved from www.cell.com/cell/abstract/S0092-8674(15)01692-X

glioma.idh.model  IDH RF model

Description
A RF model able to classify DNA methylation samples in to IDH groups

Usage
data("glioma.idh.model")

Format
A random forest model with 880 samples and 1205 predictors classifying into 6 classes

Source
RF model created from DNA methylation signatures retrieved from www.cell.com/cell/abstract/S0092-8674(15)01692-X
glioma.idhmut.model  IDHmut RF model

Description

A RF model able to classify DNA methylation samples into IDHmut groups

Usage

data("glioma.idhmut.model")

Format

A random forest model with 450 samples and 1216 predictors classifying into 3 classes

Source

RF model created from DNA methylation signatures retrieved from www.cell.com/cell/abstract/S0092-8674(15)01692-X

glioma.idhwt.model  IDHwt RF model

Description

A RF model able to classify DNA methylation samples into IDHwt groups

Usage

data("glioma.idhwt.model")

Format

A random forest model with 430 samples and 843 predictors classifying into 3 classes

Source

RF model created from DNA methylation signatures retrieved from www.cell.com/cell/abstract/S0092-8674(15)01692-X
linkedOmics.data

Description
linkedOmics table with links

Usage
data("linkedOmics.data")

Format
A table

Source
Parsed from http://linkedomics.org/login.php#dataSource

maf.tumor

Description
Contains the list of GDC project with open MAF files available

Usage
data(maf.tumor)

Format
A named list with 33 tumors

Source
https://gdc-docs.nci.nih.gov/Data/Release_Notes/Manifests/GDC_open_MAFs_manifest.txt
### Description

EPIC probes removed from newer versions that should not be used in the analysis

### Usage

```r
data("probes2rm")
```

### Format

A list with 977 probes

### Source


---

### TCGAbiolinksGUI.data

Auxiliary data for TCGAbiolinksGUI package.

### Description

**Package**: TCGAbiolinksGUI.data provide the necessary data for TCGAbiolinksGUI glioma classifier menu. It includes the following objects:

- **glioma.gcimp.model** A train model for GCIMP DNA methylation signatures.
- **glioma.idhwt.model** A train model for IDHwt DNA methylation signatures
- **glioma.idhmut.model** A train model for IDHmut DNA methylation signatures
- **glioma.idh.model** A train model for IDH DNA methylation signatures
- **probes2rm** List of probes that should be removed from EPIC array due to different versions of the platform.
  

- **maf.tumor** TCGA projects with open MAF files retrieved from the NCI’s Genomic Data Commons (GDC).
  
  **Source**: [https://gdc-docs.nci.nih.gov/Data/Release_Notes/Manifests/GDC_open_MAFs_manifest.txt](https://gdc-docs.nci.nih.gov/Data/Release_Notes/Manifests/GDC_open_MAFs_manifest.txt)

- **GDCdisease** The NCI’s Genomic Data Commons (GDC) projects list
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