Package 'a4Reporting'

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Title Automated Affymetrix Array Analysis Reporting Package

Type Package

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annotationTable						
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Function to Create an annotationTable

Description

This function takes data to be displayed as well as data containing hyperlinks corresponding to displayed data and constructs an object of class annotationTable

Usage

```
annotationTable(displayData, displayCols = NULL, hrefData = NULL)
```

Arguments

displayData data frame containing data that is meant to be displayed in a LaTeX table displayCols list of named character vectors (of length one) that function as key-value pairs;

the names (keys) correspond to columns for which the hyperlinks should be generated whereas the strings (values) indicate what kind of link should be produced based on the corresponding column in the displayData. The values should be

one of "EntrezId" or "GOId".

hrefData data frame containing hyperlink information for the columns of the same name

in the displayData data frame

Details

If hrefData is given, the displayCols are not taken into account. If no hrefData is given, the information in displayCols allows to automatically create the hrefData.

Value

object of class 'annotationTable'

Author(s)

Tobias Verbeke

Examples

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annotationTable-class Class "annotationTable"

Description

Class to represent both displayed information and hyperlink information to prepare tabular output for LaTeX (with hyperlinks)

Objects from the Class

Objects can be created by calls of the form new("annotationTable", ...) or using the wrapper function annotationTable

Slots

displayData: Object of class "data.frame" containing the columns to be displayed in the table displayCols: Object of class "list" giving key-value pairs that allow to automatically generate the hyperlinks for the corresponding columns of the displayData

hrefData: Object of class "data.frame" giving the hyperlink information for the corresponding columns of the displayData

Methods

show signature(object = "annotationTable"): print an annotationTable (without displaying
the hyperlink information)

Author(s)

Tobias Verbeke

Examples

showClass("annotationTable")

generateEntrezIdLinks Transform an ENTREZID into a hyperlink

Description

Utility function to transform an ENTREZ ID into a hyperlink on the NCBI Entrez page for the given gene

Usage

generateEntrezIdLinks(x)

4 generateGOIdLinks

Arguments

x vector of Entrez IDs

Value

vector of hyperlinks for the corresponding Entrez IDs

Note

Snippet taken from the annaffy package

Author(s)

Tobias Verbeke

See Also

generateGOIdLinks

generateGOIdLinks

Transform a GO ID into a hyperlink

Description

Utility function to transform a GO ID into a hyperlink to the corresponding page on the gene ontology website

Usage

```
generateGOIdLinks(x)
```

Arguments

x vector of GO IDs

Value

vector of hyperlinks

Note

Snippet taken from the annaffy package

Author(s)

Tobias Verbeke

See Also

generate Entrez Id Links

print.xtableAnnotationTable

Print method for 'xtableAnnotationTable' objects

Description

Print or export 'xtableAnnotationTable' objects

Usage

```
print.xtableAnnotationTable(x, ...)
```

Arguments

- x Object of class 'xtableAnnotationTable'
- ... Further arguments passed to print.xtable

Details

Wrapper to be able to use a specific sanitize.text function in the print.xtable call

Author(s)

Tobias Verbeke

See Also

```
print.xtable
```

xtable-methods

Methods for Function xtable in Package 'annotationTable'

Description

xtable methods for several a4 objects, such as annotationTable objects, topTable objects etc.

Methods

- x = "annotationTable", caption = "missing", label = "missing", align = "missing", digits = "missing", display = "missing" generates a LaTeX representation for the given annotationTable
- x = "annotationTable", caption = "ANY", label = "ANY", align = "ANY", digits = "ANY", display = "ANY" generates a LaTeX representation for the given annotationTable
- x = "annotationTable", caption = "ANY", label = "ANY", align = "ANY", digits = "numeric", display = "ANY" generates a LaTeX representation for the given annotationTable

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Examples

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