

Package ‘affylmGUI’

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Title GUI for affy analysis using limma package

Author James Wettenhall and Ken Simpson Division of Genetics and Bioinformatics, WEHI.

Maintainer Keith Satterley <keith@wehi.edu.au>

Depends affyPLM, tkplot

Imports limma, tcltk, affy, BiocInstaller, affyio, R2HTML, xtable,
germa, AnnotationDbi

LazyLoad yes

Description A Graphical User Interface for affy analysis using the limma Microarray package

License GPL (>=2)

URL <http://bioinf.wehi.edu.au/affylmGUI/>

biocViews Microarray, OneChannel, DataImport, QualityControl,
Preprocessing, DifferentialExpression, MultipleComparison, GUI

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affylmGUI

Graphical User Interface for the limma microarray package

Description

Graphical User Interface for Affy analysis using the limma microarray package

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```

```
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```

```
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topTable2(fit, coef = 1, number = 10, genelist = NULL, adjust.method = "holm", sort.by = "B")
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vennDiagramaffylmGUI(object, include = "both", names, cex = 1.5, mar = rep(1, 4), ...)
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ViewRNATargets()
```

Arguments

BigfontsForaffylmGUlpresentation	affylmGUI:arg1:If set to TRUE, larger fonts are used. However, some font sizes are not controlled by affylmGUI and so must be adjusted in the operating sys- tem, e.g. in the Control Panel in Windows under Display, Appearance.
...	HTMLplotUsingFunction:arg14:and:showTopTable:arg1:and:toptable2:arg9:and:vennDiagramaffylmGU
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img	Resize:arg1:and:SetupPlotMenus:arg4:and:CopyGraph:arg1:and:SetupPlotKeyBindings:arg2
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index	deleteItemFromList:arg3:an index
initialfile	SetupPlotMenus:arg2:and:SaveGraphAsJpeg:arg1:and:SaveGraphAsPDF:arg1:and:SaveGraphAsPNG:arg1
itemName	deleteItemFromList:arg2:an item name
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coef	topTable2:arg2:and:toptable2:arg2
number	topTable2:arg3:and:toptable2:arg3
genelist	topTable2:arg4:and:toptable2:arg4
A	toptable2:arg5
eb	toptable2:arg6
adjust.method	topTable2:arg5:and:toptable2:arg7
sort.by	topTable2:arg6:and:toptable2:arg8

```

object      vennDiagramaffylmGUI:arg1
include     vennDiagramaffylmGUI:arg2
names       vennDiagramaffylmGUI:arg3
cex         vennDiagramaffylmGUI:arg4
mar         vennDiagramaffylmGUI:arg5
contrastsMatrix
            ViewContrastsMatrixAsPairs:arg1
contrastsMatrixList
            ViewContrastsMatrixAsPairs:arg2:and:ViewContrastsMatrixInTable:arg1
n           showChangeLog:arg1
PointSize   HTMLplotUsingFunction:arg12

```

Details

This function launches a Graphical User Interface for the limma package by Gordon Smyth. The GUI uses Tk widgets (via the R TclTk interface by Peter Dalgaard) in order to provide a simple interface to the limma functions for linear modelling of microarrays and identification of differentially expressed genes.

Author(s)

James Wettenhall

ALGchangeLog

affylmGUI Change Log

Description

Write as text the most recent changes from the affylmGUI package changelog.

Usage

`ALGchangeLog(n=20)`

Arguments

`n` integer, number of lines to write of changelog.

Value

No value is produced, but a number of lines of text are written to standard output.

Author(s)

Gordon Smyth

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