

IsoGeneGUI

March 24, 2012

IsoGeneGUI-package *IsoGeneGUI Graphical User Interface for the IsoGene package*

Description

The IsoGene Graphical User Interface (IsoGene-GUI) is a user friendly interface of the IsoGene package which is aimed to identify for genes with a monotonic trend in the expression levels with respect to the increasing doses using several test statistics: global likelihood ratio test (E2), Bartholomew 1961, Barlow et al. 1972 and Robertson et al. 1988), Williams (1971, 1972), Marcus (1976), the M (Hu et al. 2005) and the modified M (Lin et al. 2007).

The p-values of the global likelihood ratio test (E2) are obtained using the exact distribution and permutation. The other four test statistics are obtained using permutation .

Several p-values adjustment are provided: Bonferroni, Holm (1979), Hochberg (1988), and Sidak procedures for controlling the family-wise Type I error rate (FWER), and BH (Benjamini and Hochberg 1995) and BY (Benjamini and Yekutieli 2001) procedures are used for controlling the FDR.

Details

The IsoGene Graphical User Interface (IsoGene-GUI) is a user friendly interface of the IsoGene package.

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References

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Examples

```
## Not run:
library(IsoGeneGUI)
IsoGeneGUI()

## End(Not run)
```

IsoGeneGUI

IsoGeneGUI

Description

This function will load the IsoGeneGUI package.

Usage

```
IsoGeneGUI ()
```

Details

To run the package, we use the function: IsoGeneGUI().

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Examples

```
## Not run:  
library(IsoGeneGUI)  
IsoGeneGUI()  
  
## End(Not run)
```

IsoGeneGUIHelp *IsoGeneGUI Help*

Description

Function to for opening the IsoGeneGUI help.

Usage

```
IsoGeneGUIHelp()
```

Details

To run the package, we use the function: IsoGeneGUI().

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Examples

```
## Not run:  
library(IsoGeneGUI)  
IsoGeneGUIHelp()  
  
## End(Not run)
```

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