Package ‘gatepoints’

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Title Easily Gate or Select Points on a Scatter Plot
Version 0.1.3
Description Allows user to choose/gate a region on the plot and returns points within it.
Depends R (>= 3.0.0)
License GPL (>= 2)
Encoding UTF-8
LazyData true
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Suggests testthat, knitr, rmarkdown
VignetteBuilder knitr

URL https://github.com/wjawaid/gatepoints

NeedsCompilation no

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Description
Freehand select

Usage
fhs(data, mark = TRUE, names = TRUE, ...)  

Arguments
- **data**: Data frame or matrix of co-ordinates. (x,y) co-ordinates for each point will be on rows. Rownames of selected points will be returned.
- **mark**: Default TRUE. Predicate marking of selected points.
- **names**: Default TRUE. If TRUE will return rownames of data frame with points within polygon. If FALSE will return logical vector.
- **...**: Additional parameters passed to `points`.

Details
Freehand select function. First generate a 2D plot using R’s plot function, then select gate region by left clicking. Close polygon by right clicking. The function will return the rownames of the enclosed points by the rownames of the co-ordinates given in `data`.

Value
Returns character vector of rownames of the selected points from `data` if names parameter is TRUE. If names is FALSE then a logical vector indicating whether points are in the polygon is returned.

Author(s)
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Examples
```r
## Not run:
x <- cbind(1:10, 1:10)
rownames(x) <- 1:10
plot(x, pch = 16, col = "red")
fhs(x)

## End(Not run)
```
Description

Allows user to gate a region on a plot and returns points within it.
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