

Package ‘tinesath1cdf’

February 13, 2025

Title tinesath1cdf

Version 1.45.0

Created Monday August 7th 2006

Author Tine Casneuf

Description A package containing an environment representing the newcdf/tinesATH1.cdf.cdf file.

Maintainer Tine Casneuf <tine@ebi.ac.uk>

License Artistic-2.0

biocViews Arabidopsis_thaliana_Data, ChipOnChipData

git_url <https://git.bioconductor.org/packages/tinesath1cdf>

git_branch devel

git_last_commit c0482da

git_last_commit_date 2024-10-29

Repository Bioconductor 3.21

Date/Publication 2025-02-13

Contents

i2xy	1
tinesath1cdf	2
Index	3

i2xy	<i>Convert (x,y)-coordinates to single-number indices and back.</i>
------	---

Description

Convert (x,y)-coordinates on the chip (and in the CEL file) to the single-number indices used in AffyBatch and CDF environment, and back.

Usage

```
i2xy(i)
xy2i(x,y)
```

Arguments

x	numeric. x-coordinate (from 1 to 712)
y	numeric. y-coordinate (from 1 to 712)
i	numeric. single-number index (from 1 to 506944)

Details

Type `i2xy` and `xy2i` at the R prompt to view the function definitions.

Examples

```
xy2i(5,5)
i      = 1:(712*712)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

tinesath1cdf

environment containing the location probe set membership mapping

Description

environment describing the CDF file

Index

* datasets

i2xy, 1

tinesath1cdf, 2

i2xy, 1

tinesath1cdf, 2

xy2i (i2xy), 1