

Package ‘tinesath1cdf’

September 11, 2025

Title tinesath1cdf
Version 1.47.0
Created Monday August 7th 2006
Author Tine Casneuf
Description A package containing an environment represeing 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 0e5a62b
git_last_commit_date 2025-04-15
Repository Bioconductor 3.22
Date/Publication 2025-09-11

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](#)