

chickencdf

July 17, 2024

| | |
|------------|-------------------|
| chickencdf | <i>chickencdf</i> |
|------------|-------------------|

Description

environment describing the CDF file

| | |
|------------|-------------------|
| chickendim | <i>chickendim</i> |
|------------|-------------------|

Description

environment describing the CDF dimensions

| | |
|------|---|
| 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 984) |
| y | numeric. y-coordinate (from 1 to 984) |
| i | numeric. single-number index (from 1 to 968256) |

Details

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

See Also

[chickencdf](#)

Examples

```
xy2i(5,5)
i      = 1:(984*984)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

Index

* datasets

chickencdf, 1

chickendim, 1

i2xy, 1

chickencdf, 1, 2

chickendim, 1

i2xy, 1

xy2i (i2xy), 1