

yeast2cdf

January 21, 2026

i2xy

Convert (x,y)-coordinates to single-number indices and back.

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 496)
y	numeric. y-coordinate (from 1 to 496)
i	numeric. single-number index (from 1 to 246016)

Details

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

See Also

[yeast2cdf](#)

Examples

```
xy2i(5,5)
i      = 1:(496*496)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

`yeast2cdf`

yeast2cdf

Description

environment describing the CDF file

`yeast2dim`

yeast2dim

Description

environment describing the CDF dimensions

Index

* datasets

[i2xy, 1](#)

[yeast2cdf, 2](#)

[yeast2dim, 2](#)

[i2xy, 1](#)

[xy2i \(i2xy\), 1](#)

[yeast2cdf, 1, 2](#)

[yeast2dim, 2](#)