

yeast2cdf

April 4, 2014

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 | <i>yeast2cdf</i> |
|-----------|------------------|

Description

environment describing the CDF file

| | |
|-----------|------------------|
| yeast2dim | <i>yeast2dim</i> |
|-----------|------------------|

Description

environment describing the CDF dimensions

Index

*Topic **datasets**

i2xy, 1

yeast2cdf, 2

yeast2dim, 2

i2xy, 1

xy2i (i2xy), 1

yeast2cdf, 1, 2

yeast2dim, 2