

soybeancdf

October 16, 2009

R topics documented:

<code>i2xy</code>	1
<code>soybeancdf</code>	2
<code>soybeandim</code>	2

Index	3
--------------	----------

<code>i2xy</code>	<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

<code>x</code>	numeric. x-coordinate (from 1 to 1164)
<code>y</code>	numeric. y-coordinate (from 1 to 1164)
<code>i</code>	numeric. single-number index (from 1 to 1354896)

Details

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

See Also

[soybeancdf](#)

Examples

```
xy2i(5,5)
i      = 1:(1164*1164)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

soybeancdf	<i>soybeancdf</i>
------------	-------------------

Description

environment describing the CDF file

soybeandim	<i>soybeandim</i>
------------	-------------------

Description

environment describing the CDF dimensions

Index

*Topic **datasets**

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

[soybeancdf](#), [2](#)

[soybeandim](#), [2](#)

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

[soybeancdf](#), [1](#), [2](#)

[soybeandim](#), [2](#)

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