

ecoli2cdf

April 9, 2025

ecoli2cdf	<i>ecoli2cdf</i>
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Description

environment describing the CDF file

ecoli2dim	<i>ecoli2dim</i>
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Description

environment describing the CDF dimensions

i2xy	<i>Convert (x,y)-coordinates to single-number indices and back.</i>
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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 478)
y	numeric. y-coordinate (from 1 to 478)
i	numeric. single-number index (from 1 to 228484)

Details

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

See Also

[ecoli2cdf](#)

Examples

```
xy2i(5,5)
i      = 1:(478*478)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

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