

# mu11ksubacdf

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## R topics documented:

i2xy . . . . .	1
mu11ksubacdf . . . . .	2
mu11ksubadim . . . . .	2

<b>Index</b>	<b>3</b>
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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 534)
y	numeric. y-coordinate (from 1 to 534)
i	numeric. single-number index (from 1 to 285156)

## Details

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

## See Also

[mu11ksubacdf](#)

**Examples**

```
xy2i(5,5)
i      = 1:(534*534)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

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mul1ksubacdf            *mul1ksubacdf*

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**Description**

environment describing the CDF file

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mul1ksubadim            *mul1ksubadim*

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**Description**

environment describing the CDF dimensions

# Index

## \*Topic **datasets**

`i2xy`, [1](#)

`mul1ksubacdf`, [2](#)

`mul1ksubadim`, [2](#)

`i2xy`, [1](#)

`mul1ksubacdf`, [1](#), [2](#)

`mul1ksubadim`, [2](#)

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