

# mu19ksubccdf

October 16, 2009

## R topics documented:

|                                     |   |
|-------------------------------------|---|
| <code>i2xy</code> . . . . .         | 1 |
| <code>mu19ksubccdf</code> . . . . . | 2 |
| <code>mu19ksubcdim</code> . . . . . | 2 |

|              |          |
|--------------|----------|
| <b>Index</b> | <b>3</b> |
|--------------|----------|

---

|                   |   |
|-------------------|---|
| <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 534)           |
| <code>y</code> | numeric. y-coordinate (from 1 to 534)           |
| <code>i</code> | numeric. single-number index (from 1 to 285156) |

## Details

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

## See Also

[mu19ksubccdf](#)

**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"])
```

---

|              |                     |
|--------------|---------------------|
| mu19ksubccdf | <i>mu19ksubccdf</i> |
|--------------|---------------------|

---

**Description**

environment describing the CDF file

---

|              |                     |
|--------------|---------------------|
| mu19ksubcdim | <i>mu19ksubcdim</i> |
|--------------|---------------------|

---

**Description**

environment describing the CDF dimensions

# Index

## \*Topic **datasets**

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

[mu19ksubccdf](#), [2](#)

[mu19ksubcdim](#), [2](#)

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

[mu19ksubccdf](#), [1](#), [2](#)

[mu19ksubcdim](#), [2](#)

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