

# drosgenome1cdf

October 16, 2009

## R topics documented:

drosgenome1cdf . . . . .	1
drosgenome1dim . . . . .	1
i2xy . . . . .	1

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

---

drosgenome1cdf	<i>drosgenome1cdf</i>
----------------	-----------------------

---

### Description

environment describing the CDF file

---

drosgenome1dim	<i>drosgenome1dim</i>
----------------	-----------------------

---

### Description

environment describing the CDF dimensions

---

i2xy	<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**

x	numeric. x-coordinate (from 1 to 640)
y	numeric. y-coordinate (from 1 to 640)
i	numeric. single-number index (from 1 to 409600)

**Details**

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

**See Also**

[drosgenome1cdf](#)

**Examples**

```
xy2i(5,5)
i      = 1:(640*640)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

# Index

## \*Topic **datasets**

`drosgenome1cdf`, [1](#)

`drosgenome1dim`, [1](#)

`i2xy`, [1](#)

`drosgenome1cdf`, [1](#), [2](#)

`drosgenome1dim`, [1](#)

`i2xy`, [1](#)

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