

# canine2cdf

October 20, 2017

---

canine2cdf	<i>canine2cdf</i>
------------	-------------------

---

## Description

environment describing the CDF file

---

canine2dim	<i>canine2dim</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 984)
y	numeric. y-coordinate (from 1 to 984)
i	numeric. single-number index (from 1 to 968256)

**Details**

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

**See Also**

[canine2cdf](#)

**Examples**

```
xy2i(5,5)
i      = 1:(984*984)
coord = i2xy(i)
j      = xy2i(coord[, "x"], coord[, "y"])
stopifnot(all(i==j))
range(coord[, "x"])
range(coord[, "y"])
```

# Index

## \*Topic **datasets**

canine2cdf, [1](#)

canine2dim, [1](#)

i2xy, [1](#)

canine2cdf, [1](#), [2](#)

canine2dim, [1](#)

i2xy, [1](#)

xy2i (i2xy), [1](#)