Annotated data sets contained in the `acnr` package

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Abstract

This vignette describes the annotated data sets contained in the `acnr` package.

```
> library(acnr)
```

1 Description of the annotated data sets

```
> tf <- .5
> dataSets <- c("GSE29172", "GSE11976")
> regList <- lapply(dataSets, FUN=function(ds) {
+     regDat <- loadCnRegionData(dataSet=ds, tumorFraction=tf)
+     regs <- regDat[["region"]]
+ })
> names(regList) <- dataSets
> allregs <- unique(unlist(regList))
> tab <- sapply(allregs, FUN=function(reg) {
+     sapply(regList, FUN=function(rr) sum(rr==reg))
+ })
> cap <- paste("Size of annotated copy-number regions for each of the",
+              length(dataSets), "data sets.")
> if (require(xtable)) {
+     print(xtable(tab, caption=cap, label="tab:regData",
+                  table.placement="!h", caption.placement="bottom"))
+ }
```

	(0,1)	(0,2)	(0,3)	(1,1)	(1,2)	(1,3)	(2,2)	(2,3)	(0,0)
GSE29172	13090	13090	13090	13090	13090	13090	13090	13090	0
GSE11976	2492	5484	6545	3196	2746	0	3044	0	838

Table 1: Size of annotated copy-number regions for each of the 2 data sets.

2 Session information

```
> sessionInfo()
```

```
R version 3.1.2 Patched (2014-11-16 r66991)
Platform: x86_64-unknown-linux-gnu (64-bit)

locale:
 [1] LC_CTYPE=en_US.UTF-8       LC_NUMERIC=C
 [3] LC_TIME=en_US.UTF-8        LC_COLLATE=C
 [5] LC_MONETARY=en_US.UTF-8    LC_MESSAGES=en_US.UTF-8
 [7] LC_PAPER=en_US.UTF-8       LC_NAME=C
 [9] LC_ADDRESS=C               LC_TELEPHONE=C
[11] LC_MEASUREMENT=en_US.UTF-8 LC_IDENTIFICATION=C

attached base packages:
[1] stats     graphics  grDevices utils     datasets  methods   base

other attached packages:
[1] acnr_0.2.4        xtable_1.7-4      R.utils_1.34.0    R.oo_1.18.0
[5] R.methodsS3_1.6.1

loaded via a namespace (and not attached):
[1] tools_3.1.2
```