

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 3.2.2 Patched (2015-11-06 r69607)
```

```
Platform: x86_64-pc-linux-gnu (64-bit)
```

```
Running under: Debian GNU/Linux 8 (jessie)
```

```
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_1.8-0      R.utils_2.1.0      R.oo_1.19.0
[5] R.methodsS3_1.7.0
```

```
loaded via a namespace (and not attached):
```

```
[1] tools_3.2.2
```