Bimodality Index

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Contents

1 Simulated Data

We simulate a dataset.

```
> set.seed(564684)
> nSamples <- 30
> nGenes <- 3000
> dataset <- matrix(rnorm(nSamples*nGenes), ncol=nSamples, nrow=nGenes)
> dimnames(dataset) <- list(paste("G", 1:nGenes, sep=''),
+                           paste("S", 1:nSamples, sep=''))

> library(BimodalIndex)
```

2 Appendix

This analysis was performed in the following directory:

```
> getwd()
```

```
[1] "/tmp/Rtmp5TNBOI/Rbuild6eda7c862207/BimodalIndex/vignettes"
```

This analysis was performed in the following software environment:

```
> sessionInfo()
```

```
R version 3.1.2 Patched (2015-02-05 r67741)
Platform: x86_64-unknown-linux-gnu (64-bit)
Running under: Debian GNU/Linux 8 (jessie)

locale:
 [1] LC_CTYPE=en_US.UTF-8       LC_NUMERIC=C               LC_TIME=en_US.UTF-8
 [4] LC_COLLATE=C               LC_MONETARY=en_US.UTF-8    LC_MESSAGES=en_US.UTF-8
```

```
 [7] LC_PAPER=en_US.UTF-8        LC_NAME=C                   LC_ADDRESS=C
[10] LC_TELEPHONE=C              LC_MEASUREMENT=en_US.UTF-8 LC_IDENTIFICATION=C

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

other attached packages:
[1] BimodalIndex_1.1.1

loaded via a namespace (and not attached):
[1] mclust_4.4      oompaBase_3.1.0 tools_3.1.2
```