

Example data for breakpointR

*David Porubsky**

*david.porubsky@gmail.com

October 30, 2021

Contents

1	Data description	2
2	Session Info	3

1 Data description

This package provides data for demonstration purposes in package `breakpointR`. It contains five example BAM files to illustrate functionalities of `breakpointR` package, as well as corresponding results stored in 'BreakPoint' objects in order to demonstrate plotting options. The following example data are present inside the package `breakpointRdata`:

```
library(breakpointRdata)
?example_bams
?example_results
```

Example data can be loaded in the following way:

```
## Example BAM files
path <- system.file("extdata", "example_bams", package="breakpointRdata")
files <- list.files(path, full.names=TRUE, pattern=".bam$")
```

```
files
## [1] "/extdata/example_bams/example_lib1.bam" "/extdata/example_bams/example_lib2.bam"
## [3] "/extdata/example_bams/example_lib3.bam" "/extdata/example_bams/example_lib4.bam"
```

```
## Example results
path <- system.file("extdata", "example_results", package="breakpointRdata")
files <- list.files(path, full.names=TRUE)
```

```
files
## [1] "/extdata/example_results/example_lib1.RData"
## [2] "/extdata/example_results/example_lib2.RData"
## [3] "/extdata/example_results/example_lib3.RData"
## [4] "/extdata/example_results/example_lib4.RData"
```

2 Session Info

```
toLatex(sessionInfo())
```

- R version 4.1.1 (2021-08-10), x86_64-pc-linux-gnu
- Locale: LC_CTYPE=en_US.UTF-8, LC_NUMERIC=C, LC_TIME=en_GB, LC_COLLATE=C, LC_MONETARY=en_US.UTF-8, LC_MESSAGES=en_US.UTF-8, LC_PAPER=en_US.UTF-8, LC_NAME=C, LC_ADDRESS=C, LC_TELEPHONE=C, LC_MEASUREMENT=en_US.UTF-8, LC_IDENTIFICATION=C
- Running under: Ubuntu 20.04.3 LTS
- Matrix products: default
- BLAS: /home/biocbuild/bbs-3.14-bioc/R/lib/libRblas.so
- LAPACK: /home/biocbuild/bbs-3.14-bioc/R/lib/libRlapack.so
- Base packages: base, datasets, grDevices, graphics, methods, stats, utils
- Other packages: breakpointRdata 1.12.0
- Loaded via a namespace (and not attached): BiocManager 1.30.16, BiocStyle 2.22.0, compiler 4.1.1, digest 0.6.28, evaluate 0.14, fastmap 1.1.0, highr 0.9, htmltools 0.5.2, knitr 1.36, magrittr 2.0.1, rlang 0.4.12, rmarkdown 2.11, stringi 1.7.5, stringr 1.4.0, tools 4.1.1, xfun 0.27, yaml 2.2.1