

SessionInfo

2017-05-02

Code version: 6a7b77ea5b435ac53714ac023ea83e00a25a9e40

Session information

Details of the R environment and packages used for analysis.

```
## setting value
## version R version 3.3.1 (2016-06-21)
## system x86_64, linux-gnu
## ui X11
## language (EN)
## collate en_US.UTF-8
## tz <NA>
## date 2017-05-02
##
## package * version date source
## AnnotationDbi 1.36.2 2017-03-30 Bioconductor
## assertthat 0.1 2013-12-06 CRAN (R 3.3.1)
## backports 1.0.5 2017-01-18 CRAN (R 3.3.1)
## beeswarm 0.2.3 2016-04-25 CRAN (R 3.3.0)
## Biobase * 2.34.0 2016-10-24 cran (@2.34.0)
## BiocGenerics * 0.20.0 2016-10-24 Bioconductor
## BiocParallel * 1.8.1 2016-11-16 Bioconductor
## biomaRt 2.30.0 2016-11-08 Bioconductor
## bitops 1.0-6 2013-08-17 CRAN (R 3.3.1)
## broom 0.4.2 2017-02-13 CRAN (R 3.3.1)
## caTools 1.17.1 2014-09-10 CRAN (R 3.3.1)
## checkmate 1.8.2 2016-11-02 CRAN (R 3.3.1)
## class 7.3-14 2015-08-30 CRAN (R 3.3.1)
## clues * 0.5.9 2016-10-14 CRAN (R 3.3.1)
## cluster 2.0.6 2017-03-16 CRAN (R 3.3.1)
## codetools 0.2-15 2016-10-05 CRAN (R 3.3.0)
## colorspace 1.3-2 2016-12-14 CRAN (R 3.3.1)
## cowplot * 0.7.0 2016-10-28 CRAN (R 3.3.1)
## data.table 1.10.4 2017-02-01 CRAN (R 3.3.1)
## DBI 0.6 2017-03-09 CRAN (R 3.3.1)
## DEoptimR 1.0-8 2016-11-19 CRAN (R 3.3.1)
## devtools * 1.12.0 2016-06-24 CRAN (R 3.3.0)
## digest 0.6.10 2016-08-02 CRAN (R 3.3.0)
## doParallel 1.0.10 2015-10-14 CRAN (R 3.3.1)
## doRNG 1.6 2014-03-07 CRAN (R 3.3.1)
## dplyr * 0.5.0 2016-06-24 CRAN (R 3.3.1)
## e1071 1.6-8 2017-02-02 CRAN (R 3.3.1)
## edgeR 3.16.5 2017-02-03 cran (@3.16.5)
## evaluate 0.10 2016-10-11 CRAN (R 3.3.0)
## forcats 0.2.0 2017-01-23 CRAN (R 3.3.1)
## foreach 1.4.3 2015-10-13 CRAN (R 3.3.1)
## foreign 0.8-67 2016-09-13 CRAN (R 3.3.0)
```

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## gdata                2.17.0    2015-07-04 CRAN (R 3.3.1)
## GenomeInfoDb         1.10.3    2017-03-30 Bioconductor
## GenomicRanges        1.26.4    2017-03-30 Bioconductor
## ggbeeswarm           0.5.3    2016-12-01 CRAN (R 3.3.1)
## ggplot2              * 2.2.1    2016-12-30 CRAN (R 3.3.1)
## gplots               3.0.1    2016-03-30 CRAN (R 3.3.1)
## gridExtra            2.2.1    2016-02-29 CRAN (R 3.3.1)
## gtable               0.2.0    2016-02-26 CRAN (R 3.3.1)
## gtools               3.5.0    2015-05-29 CRAN (R 3.3.1)
## haven                1.0.0    2016-09-23 CRAN (R 3.3.0)
## hms                  0.3      2016-11-22 CRAN (R 3.3.1)
## htmltools            0.3.5    2016-03-21 CRAN (R 3.3.1)
## httpuv              1.3.3    2015-08-04 CRAN (R 3.3.1)
## httr                 1.2.1    2016-07-03 CRAN (R 3.3.1)
## IRanges              2.8.2    2017-03-30 Bioconductor
## iterators            1.0.8    2015-10-13 CRAN (R 3.3.1)
## jsonlite             1.3      2017-02-28 CRAN (R 3.3.1)
## KernSmooth           2.23-15  2015-06-29 CRAN (R 3.3.1)
## knitr                * 1.15.1   2016-11-22 CRAN (R 3.3.1)
## lattice              0.20-35  2017-03-25 CRAN (R 3.3.1)
## lazyeval             0.2.0    2016-06-12 CRAN (R 3.3.1)
## limma                3.30.13  2017-03-30 Bioconductor
## locfit               1.5-9.1  2013-04-20 CRAN (R 3.3.1)
## lubridate            1.6.0    2016-09-13 CRAN (R 3.3.0)
## magrittr             * 1.5      2014-11-22 CRAN (R 3.3.1)
## Matrix               1.2-8    2017-01-20 CRAN (R 3.3.1)
## matrixStats          0.51.0   2016-10-09 CRAN (R 3.3.0)
## memoise              1.0.0    2016-01-29 CRAN (R 3.3.1)
## mime                 0.5      2016-07-07 CRAN (R 3.3.1)
## mnormt               1.5-5    2016-10-15 CRAN (R 3.3.0)
## modelr               0.1.0    2016-08-31 CRAN (R 3.3.0)
## munsell              0.4.3    2016-02-13 CRAN (R 3.3.1)
## mvtnorm              1.0-6    2017-03-02 CRAN (R 3.3.1)
## nlme                 3.1-131  2017-02-06 CRAN (R 3.3.1)
## pcaPP                1.9-61   2016-10-11 CRAN (R 3.3.0)
## pheatmap             1.0.8    2015-12-11 CRAN (R 3.3.0)
## pkgmaker             0.22     2014-05-14 CRAN (R 3.3.1)
## plyr                 1.8.4    2016-06-08 CRAN (R 3.3.1)
## png                  0.1-7    2013-12-03 CRAN (R 3.3.1)
## psych                1.7.3.21 2017-03-22 CRAN (R 3.3.1)
## purrr                * 0.2.2    2016-06-18 CRAN (R 3.3.0)
## R6                   2.2.0    2016-10-05 CRAN (R 3.3.0)
## RColorBrewer         1.1-2    2014-12-07 CRAN (R 3.3.1)
## Rcpp                 0.12.10  2017-03-19 CRAN (R 3.3.1)
## RCurl                1.95-4.8 2016-03-01 CRAN (R 3.3.1)
## readr                * 1.0.0    2016-08-03 CRAN (R 3.3.0)
## readxl               0.1.1    2016-03-28 CRAN (R 3.3.1)
## registry             0.3      2015-07-08 CRAN (R 3.3.1)
## reshape2            1.4.2    2016-10-22 CRAN (R 3.3.1)
## rhdf5                2.18.0   2016-10-24 Bioconductor
## rjson                0.2.15   2014-11-03 CRAN (R 3.3.0)
## rmarkdown            * 1.4      2017-03-24 CRAN (R 3.3.1)
## rngtools             1.2.4    2014-03-06 CRAN (R 3.3.1)
## robustbase           0.92-7   2016-12-09 CRAN (R 3.3.1)

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##	ROCR	1.0-7	2015-03-26	CRAN (R 3.3.1)
##	rprojroot	1.2	2017-01-16	CRAN (R 3.3.1)
##	rrcov	1.4-3	2016-09-06	CRAN (R 3.3.0)
##	RSQLite	1.1-2	2017-01-08	CRAN (R 3.3.1)
##	rstudioapi	0.6	2016-06-27	CRAN (R 3.3.1)
##	rvest	0.3.2	2016-06-17	CRAN (R 3.3.0)
##	S4Vectors	0.12.1	2016-12-06	Bioconductor
##	SC3	* 1.3.15	2017-03-30	Bioconductor
##	scales	0.4.1	2016-11-09	CRAN (R 3.3.1)
##	scater	* 1.2.0	2016-10-24	Bioconductor
##	shiny	1.0.0	2017-01-12	CRAN (R 3.3.1)
##	shinydashboard	0.5.3	2016-09-20	CRAN (R 3.3.0)
##	splatter	* 1.0.1	2017-04-28	Bioconductor
##	stringi	1.1.2	2016-10-01	CRAN (R 3.3.0)
##	stringr	1.2.0	2017-02-18	CRAN (R 3.3.1)
##	SummarizedExperiment	1.4.0	2016-11-08	Bioconductor
##	tibble	* 1.2	2016-08-26	CRAN (R 3.3.0)
##	tidyr	* 0.6.1	2017-01-10	CRAN (R 3.3.1)
##	tidyverse	* 1.1.1	2017-01-27	CRAN (R 3.3.1)
##	tximport	1.2.0	2016-10-24	Bioconductor
##	vipor	0.4.5	2017-03-22	CRAN (R 3.3.1)
##	viridis	0.4.0	2017-03-27	CRAN (R 3.3.1)
##	viridisLite	0.2.0	2017-03-24	CRAN (R 3.3.1)
##	withr	1.0.2	2016-06-20	CRAN (R 3.3.1)
##	WriteXLS	4.0.0	2015-12-07	CRAN (R 3.3.1)
##	XML	3.98-1.6	2017-03-30	CRAN (R 3.3.1)
##	xml2	1.1.1	2017-01-24	CRAN (R 3.3.1)
##	xtable	1.8-2	2016-02-05	CRAN (R 3.3.1)
##	XVector	0.14.1	2017-03-30	Bioconductor
##	yaml	2.1.14	2016-11-12	CRAN (R 3.3.1)
##	zlibbioc	1.20.0	2016-11-08	Bioconductor