

recount workflow session information

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```
## Final list of files created
```

```
dir("SRP045638")
```

```
## [1] "gene_report.bib"          "gene_report.html"
## [3] "rse_exon.Rdata"          "rse_gene.Rdata"
## [5] "SraRunTable.txt"        "SupplementaryFile1.html"
```

```
## Pandoc information
```

```
library("rmarkdown")
```

```
##
```

```
## Attaching package: 'rmarkdown'
```

```
## The following objects are masked from 'package:BiocStyle':
```

```
##
```

```
##   html_document, md_document, pdf_document
```

```
pandoc_version()
```

```
## [1] '1.19.2.1'
```

```
## Time for reproducing this workflow, in minutes
```

```
round(proc.time()[3] / 60, 1)
```

```
## elapsed
```

```
##   39.8
```

```
options(width = 100)
```

```
library("devtools")
```

```
session_info()
```

```
## Session info -----
```

```
## setting value
## version R version 3.4.1 (2017-06-30)
## system x86_64, darwin15.6.0
## ui X11
## language (EN)
## collate en_US.UTF-8
## tz America/New_York
## date 2017-07-30
```

```
## Packages -----
```

```
*leo.collado@libd.org
```

```
## package          * version  date      source
## acepack          1.4.1    2016-10-29 CRAN (R 3.4.0)
## annotate          1.55.0   2017-05-04 Bioconductor
## AnnotationDbi    * 1.39.2  2017-07-26 Bioconductor
## AnnotationFilter 1.1.3    2017-06-28 Bioconductor
## AnnotationHub    2.9.5    2017-06-06 Bioconductor
## assertthat       0.2.0    2017-04-11 cran (@0.2.0)
## backports        1.1.0    2017-05-22 CRAN (R 3.4.0)
## base              * 3.4.1    2017-07-17 local
## base64enc        0.1-3    2015-07-28 cran (@0.1-3)
## bibtex           0.4.2    2017-06-30 CRAN (R 3.4.1)
## Biobase          * 2.37.2  2017-05-05 Bioconductor
## BiocGenerics     * 0.23.0  2017-05-04 Bioconductor
## BiocInstaller    1.27.2   2017-05-04 Bioconductor
## BiocParallel     1.11.4   2017-06-27 Bioconductor
## BiocStyle        * 2.5.8    2017-07-21 Bioconductor
## BiocWorkflowTools 1.3.9    2017-06-09 Bioconductor
## biomaRt          2.33.3   2017-06-17 Bioconductor
## Biostrings       2.45.3   2017-07-21 Bioconductor
## biovizBase       1.25.1   2017-05-05 Bioconductor
## bit              1.1-12   2014-04-09 CRAN (R 3.4.0)
## bit64            0.9-7    2017-05-08 CRAN (R 3.4.0)
## bitops           1.0-6    2013-08-17 cran (@1.0-6)
## blob             1.1.0    2017-06-17 CRAN (R 3.4.0)
## bookdown         0.4      2017-05-20 CRAN (R 3.4.0)
## BSgenome         1.45.1   2017-05-05 Bioconductor
## bumphunter       * 1.17.2  2017-05-20 Bioconductor
## caTools          1.17.1   2014-09-10 cran (@1.17.1)
## checkmate        1.8.3    2017-07-03 CRAN (R 3.4.1)
## cluster          2.0.6    2017-03-10 CRAN (R 3.4.1)
## clusterProfiler * 3.5.5    2017-07-25 Bioconductor
## codetools        0.2-15   2016-10-05 CRAN (R 3.4.1)
## colorspace       1.3-2    2016-12-14 cran (@1.3-2)
## compiler         3.4.1    2017-07-17 local
## curl             2.8.1    2017-07-21 CRAN (R 3.4.1)
## data.table       1.10.4   2017-02-01 cran (@1.10.4)
## datasets         * 3.4.1    2017-07-17 local
## DBI              0.7      2017-06-18 CRAN (R 3.4.0)
## DEFormats        1.5.0    2017-05-04 Bioconductor
## DelayedArray     * 0.3.19  2017-07-28 Bioconductor
## derfinder        * 1.11.5  2017-07-07 Bioconductor
## derfinderHelper  1.11.0   2017-05-04 Bioconductor
## derfinderPlot    * 1.11.0  2017-05-05 Bioconductor
## DESeq2           * 1.17.11 2017-07-22 Bioconductor
## devtools         * 1.13.2  2017-06-02 CRAN (R 3.4.0)
## dichromat        2.0-0    2013-01-24 cran (@2.0-0)
## digest           0.6.12   2017-01-27 CRAN (R 3.4.0)
## DO.db            2.9      2017-05-04 Bioconductor
## doRNG            1.6.6    2017-04-10 CRAN (R 3.4.0)
## DOSE             * 3.3.1    2017-06-02 Bioconductor
## downloader       0.4      2015-07-09 CRAN (R 3.4.0)
## DT               * 0.2      2016-08-09 cran (@0.2)
## edgeR            * 3.19.3  2017-07-01 Bioconductor
## ensemblDb        2.1.10   2017-06-17 Bioconductor
## evaluate         0.10.1   2017-06-24 CRAN (R 3.4.1)
## fastmatch        1.1-0    2017-01-28 CRAN (R 3.4.0)
## fgsea            1.3.1    2017-05-04 Bioconductor
## foreach          * 1.4.3    2015-10-13 CRAN (R 3.4.0)
## foreign          0.8-69   2017-06-22 CRAN (R 3.4.1)
## Formula          1.2-2    2017-07-10 CRAN (R 3.4.1)
## gdata            2.18.0   2017-06-06 CRAN (R 3.4.0)
## genefilter       1.59.0   2017-05-04 Bioconductor
## geneplotter      1.55.0   2017-05-04 Bioconductor
## GenomeInfoDb     * 1.13.4  2017-06-06 Bioconductor
## GenomeInfoDbData 0.99.1   2017-07-17 Bioconductor
```

```

## GenomicAlignments      1.13.4 2017-07-20 Bioconductor
## GenomicFeatures        * 1.29.8 2017-07-20 Bioconductor
## GenomicFiles           1.13.10 2017-07-17 Bioconductor
## GenomicRanges          * 1.29.12 2017-07-28 Bioconductor
## GEOquery               2.43.0 2017-05-04 Bioconductor
## GGally                  1.3.1 2017-06-08 CRAN (R 3.4.0)
## ggbio                   1.25.3 2017-07-01 Bioconductor
## ggplot2                 * 2.2.1 2016-12-30 CRAN (R 3.4.0)
## git2r                   0.19.0 2017-07-19 CRAN (R 3.4.1)
## GO.db                   3.4.1 2017-05-04 Bioconductor
## GOSemSim                2.3.1 2017-05-23 Bioconductor
## gplots                  * 3.0.1 2016-03-30 cran (@3.0.1)
## graph                   1.55.0 2017-05-04 Bioconductor
## graphics                * 3.4.1 2017-07-17 local
## grDevices               * 3.4.1 2017-07-17 local
## grid                    3.4.1 2017-07-17 local
## gridExtra               2.2.1 2016-02-29 CRAN (R 3.4.0)
## gtable                  0.2.0 2016-02-26 CRAN (R 3.4.0)
## gtools                  3.5.0 2015-05-29 cran (@3.5.0)
## highr                   0.6 2016-05-09 cran (@0.6)
## Hmisc                   4.0-3 2017-05-02 CRAN (R 3.4.0)
## htmlTable               1.9 2017-01-26 CRAN (R 3.4.0)
## htmltools               0.3.6 2017-04-28 CRAN (R 3.4.0)
## htmlwidgets            0.9 2017-07-10 CRAN (R 3.4.1)
## httpuv                  1.3.5 2017-07-04 CRAN (R 3.4.1)
## httr                    1.2.1 2016-07-03 CRAN (R 3.4.0)
## igraph                  1.1.2 2017-07-21 CRAN (R 3.4.1)
## interactiveDisplayBase 1.15.0 2017-05-04 Bioconductor
## IRanges                 * 2.11.12 2017-07-22 Bioconductor
## iterators               * 1.0.8 2015-10-13 CRAN (R 3.4.0)
## jsonlite                1.5 2017-06-01 CRAN (R 3.4.0)
## KernSmooth              2.23-15 2015-06-29 CRAN (R 3.4.1)
## knitcitations           1.0.8 2017-07-04 CRAN (R 3.4.1)
## knitr                   * 1.16 2017-05-18 CRAN (R 3.4.0)
## knitrBootstrap          1.0.1 2017-07-19 CRAN (R 3.4.1)
## labeling                0.3 2014-08-23 cran (@0.3)
## lattice                 0.20-35 2017-03-25 CRAN (R 3.4.1)
## latticeExtra            0.6-28 2016-02-09 CRAN (R 3.4.0)
## lazyeval                0.2.0 2016-06-12 cran (@0.2.0)
## limma                   * 3.33.6 2017-07-26 Bioconductor
## locfit                  * 1.5-9.1 2013-04-20 CRAN (R 3.4.0)
## lubridate               1.6.0 2016-09-13 CRAN (R 3.4.0)
## magrittr                1.5 2014-11-22 cran (@1.5)
## markdown                0.8 2017-04-20 cran (@0.8)
## Matrix                  1.2-10 2017-05-03 CRAN (R 3.4.1)
## matrixStats             * 0.52.2 2017-04-14 CRAN (R 3.4.0)
## memoise                 1.1.0 2017-04-21 CRAN (R 3.4.0)
## methods                 * 3.4.1 2017-07-17 local
## mime                    0.5 2016-07-07 CRAN (R 3.4.0)
## munsell                 0.4.3 2016-02-13 cran (@0.4.3)
## nnet                    7.3-12 2016-02-02 CRAN (R 3.4.1)
## org.Hs.eg.db            * 3.4.1 2017-05-04 Bioconductor
## OrganismDbi             1.19.0 2017-05-05 Bioconductor
## parallel                * 3.4.1 2017-07-17 local
## pheatmap                * 1.0.8 2015-12-11 CRAN (R 3.4.0)
## pkgconfig               2.0.1 2017-03-21 CRAN (R 3.4.0)
## pkgmaker                0.22 2014-05-14 CRAN (R 3.4.0)
## plyr                     1.8.4 2016-06-08 cran (@1.8.4)
## prettyunits             1.0.2 2015-07-13 CRAN (R 3.4.0)
## progress                1.1.2 2016-12-14 CRAN (R 3.4.0)
## ProtGenerics            1.9.0 2017-05-04 Bioconductor
## qvalue                  2.9.0 2017-05-04 Bioconductor
## R6                      2.2.2 2017-06-17 CRAN (R 3.4.0)
## RBGL                    1.53.0 2017-05-04 Bioconductor
## RColorBrewer            * 1.1-2 2014-12-07 cran (@1.1-2)

```

```
## Rcpp                0.12.12 2017-07-15 CRAN (R 3.4.1)
## RCurl               1.95-4.8 2016-03-01 cran (@1.95-4.)
## recount             * 1.3.2 2017-07-29 Bioconductor
## RefManageR         0.14.12 2017-07-04 CRAN (R 3.4.1)
## regionReport       * 1.11.2 2017-07-15 Bioconductor
## registry           0.3      2015-07-08 CRAN (R 3.4.0)
## rentrez            1.1.0   2017-06-01 CRAN (R 3.4.0)
## reshape            0.8.6   2016-10-21 CRAN (R 3.4.0)
## reshape2          1.4.2   2016-10-22 cran (@1.4.2)
## rlang              0.1.1   2017-05-18 CRAN (R 3.4.0)
## rmarkdown          * 1.6     2017-06-15 CRAN (R 3.4.0)
## rngtools           1.2.4   2014-03-06 CRAN (R 3.4.0)
## rpart              4.1-11  2017-03-13 CRAN (R 3.4.1)
## rprojroot          1.2     2017-01-16 cran (@1.2)
## Rsamtools          1.29.0  2017-05-05 Bioconductor
## RSQLite            2.0     2017-06-19 CRAN (R 3.4.1)
## rstudioapi         0.6     2016-06-27 CRAN (R 3.4.0)
## rtracklayer        * 1.37.3 2017-07-22 Bioconductor
## rvcheck            0.0.9   2017-07-10 CRAN (R 3.4.1)
## S4Vectors          * 0.15.5 2017-06-27 Bioconductor
## scales             0.4.1   2016-11-09 cran (@0.4.1)
## shiny              1.0.3   2017-04-26 CRAN (R 3.4.0)
## splines            3.4.1   2017-07-17 local
## stats              * 3.4.1  2017-07-17 local
## stats4             * 3.4.1  2017-07-17 local
## stringi            1.1.5   2017-04-07 cran (@1.1.5)
## stringr            1.2.0   2017-02-18 cran (@1.2.0)
## SummarizedExperiment * 1.7.5  2017-06-22 Bioconductor
## survival           2.41-3  2017-04-04 CRAN (R 3.4.1)
## tibble             1.3.3   2017-05-28 CRAN (R 3.4.0)
## tidyr              0.6.3   2017-05-15 CRAN (R 3.4.0)
## tools              3.4.1   2017-07-17 local
## utils              * 3.4.1  2017-07-17 local
## VariantAnnotation  1.23.6  2017-07-22 Bioconductor
## withr              2.0.0   2017-07-28 CRAN (R 3.4.1)
## XML                 3.98-1.9 2017-06-19 CRAN (R 3.4.1)
## xml2               1.1.1   2017-01-24 cran (@1.1.1)
## xtable             1.8-2   2016-02-05 cran (@1.8-2)
## XVector            0.17.0  2017-05-04 Bioconductor
## yaml               2.1.14  2016-11-12 cran (@2.1.14)
## zlibbioc           1.23.0  2017-05-04 Bioconductor
```