## main r

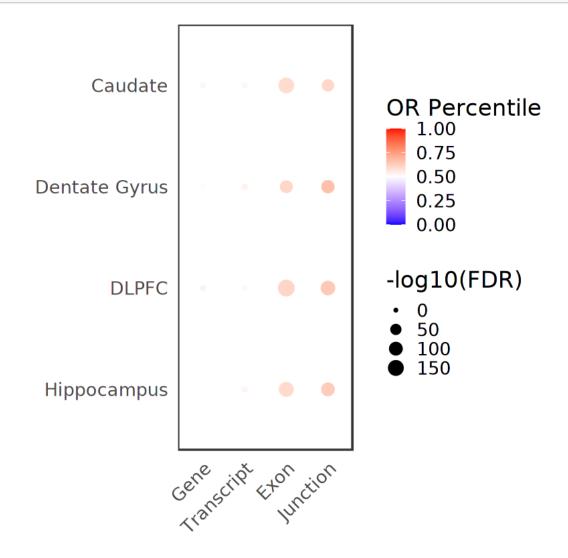
August 24, 2021

## 1 Clustered dotplots

```
[1]: library(ggplot2)
     library(tidyverse)
      Attaching packages
                                                tidyverse
    1.3.1
     tibble 3.1.2
                         dplyr 1.0.7
     tidyr 1.1.3
                         stringr 1.4.0
     readr 1.4.0
                         forcats 0.5.1
             0.3.4
     purrr
      Conflicts
    tidyverse_conflicts()
      dplyr::filter() masks stats::filter()
      dplyr::lag()
                      masks stats::lag()
[2]: save_plot <- function(p, fn, w, h){</pre>
         for(ext in c(".pdf", ".png", ".svg")){
             ggsave(filename=paste0(fn,ext), plot=p, width=w, height=h)
         }
     }
```

## 1.1 Get data

```
[4]: dotplot <- ds %>%
    mutate(`-log10(FDR)` = -log10(FDR), `OR Percentile` = OR / (1+OR)) %>%
```



## 1.2 Reproducibility Information

```
[5]: Sys.time()
     proc.time()
     options(width = 120)
     sessioninfo::session_info()
    [1] "2021-08-24 12:31:04 EDT"
       user
             system elapsed
      3.423
              0.160
                       3.910
      Session info
     setting value
     version R version 4.0.3 (2020-10-10)
     os
              Arch Linux
              x86_64, linux-gnu
     system
              X11
     ui
     language (EN)
     collate
              en_US.UTF-8
     ctype
              en_US.UTF-8
     tz
              America/New_York
              2021-08-24
     date
      Packages
     package
                  * version
                             date
                                        lib source
                    0.2.1
     assertthat
                             2019-03-21 [1] CRAN (R 4.0.2)
     backports
                    1.2.1
                             2020-12-09 [1] CRAN (R 4.0.2)
     base64enc
                    0.1 - 3
                             2015-07-28 [1] CRAN (R 4.0.2)
                    0.7.8
                             2021-06-24 [1] CRAN (R 4.0.3)
     broom
     Cairo
                    1.5-12.2 2020-07-07 [1] CRAN (R 4.0.2)
                    1.1.0
                             2016-07-27 [1] CRAN (R 4.0.2)
     cellranger
                    3.0.0
                             2021-06-30 [1] CRAN (R 4.0.3)
     cli
     colorspace
                    2.0 - 2
                             2021-06-24 [1] CRAN (R 4.0.3)
     crayon
                    1.4.1
                             2021-02-08 [1] CRAN (R 4.0.3)
     data.table
                    1.14.0
                             2021-02-21 [1] CRAN (R 4.0.3)
     DBI
                    1.1.1
                             2021-01-15 [1] CRAN (R 4.0.2)
                    2.1.1
                             2021-04-06 [1] CRAN (R 4.0.3)
     dbplyr
     digest
                    0.6.27
                             2020-10-24 [1] CRAN (R 4.0.2)
                  * 1.0.7
                             2021-06-18 [1] CRAN (R 4.0.3)
     dplyr
     ellipsis
                    0.3.2
                             2021-04-29 [1] CRAN (R 4.0.3)
     evaluate
                             2019-05-28 [1] CRAN (R 4.0.2)
                    0.14
     fansi
                    0.5.0
                             2021-05-25 [1] CRAN (R 4.0.3)
     farver
                    2.1.0
                             2021-02-28 [1] CRAN (R 4.0.3)
                  * 0.5.1
                             2021-01-27 [1] CRAN (R 4.0.2)
     forcats
                    1.5.0
                             2020-07-31 [1] CRAN (R 4.0.2)
     fs
                             2020-10-31 [1] CRAN (R 4.0.2)
                    0.1.0
```

generics

```
* 3.3.5
                        2021-06-25 [1] CRAN (R 4.0.3)
ggplot2
glue
              1.4.2
                        2020-08-27 [1] CRAN (R 4.0.2)
              0.3.0
                        2019-03-25 [1] CRAN (R 4.0.2)
gtable
              2.4.1
                        2021-04-23 [1] CRAN (R 4.0.3)
haven
hms
              1.1.0
                        2021-05-17 [1] CRAN (R 4.0.3)
              0.5.1.1
                        2021-01-22 [1] CRAN (R 4.0.2)
htmltools
httr
              1.4.2
                        2020-07-20 [1] CRAN (R 4.0.2)
IRdisplay
              1.0
                        2021-01-20 [1] CRAN (R 4.0.2)
                        2021-05-11 [1] CRAN (R 4.0.3)
IRkernel
              1.2
jsonlite
              1.7.2
                        2020-12-09 [1] CRAN (R 4.0.2)
              0.4.2
                        2020-10-20 [1] CRAN (R 4.0.2)
labeling
              1.0.0
                        2021-02-15 [1] CRAN (R 4.0.3)
lifecycle
lubridate
              1.7.10
                        2021-02-26 [1] CRAN (R 4.0.3)
                        2020-11-17 [1] CRAN (R 4.0.2)
magrittr
              2.0.1
modelr
              0.1.8
                        2020-05-19 [1] CRAN (R 4.0.2)
munsell
              0.5.0
                        2018-06-12 [1] CRAN (R 4.0.2)
pbdZMQ
              0.3 - 5
                        2021-02-10 [1] CRAN (R 4.0.3)
                        2021-05-16 [1] CRAN (R 4.0.3)
pillar
              1.6.1
              2.0.3
                        2019-09-22 [1] CRAN (R 4.0.2)
pkgconfig
purrr
            * 0.3.4
                        2020-04-17 [1] CRAN (R 4.0.2)
R6
              2.5.0
                        2020-10-28 [1] CRAN (R 4.0.2)
                        2021-07-07 [1] CRAN (R 4.0.3)
              1.0.7
Rcpp
readr
            * 1.4.0
                        2020-10-05 [1] CRAN (R 4.0.2)
                        2019-03-13 [1] CRAN (R 4.0.2)
readxl
              1.3.1
              1.1.3
                        2021-01-21 [1] CRAN (R 4.0.2)
repr
              2.0.0
                        2021-04-02 [1] CRAN (R 4.0.3)
reprex
                        2021-04-30 [1] CRAN (R 4.0.3)
rlang
              0.4.11
rstudioapi
              0.13
                        2020-11-12 [1] CRAN (R 4.0.2)
                        2021-03-09 [1] CRAN (R 4.0.3)
rvest
              1.0.0
scales
              1.1.1
                        2020-05-11 [1] CRAN (R 4.0.2)
sessioninfo
                        2018-11-05 [1] CRAN (R 4.0.2)
              1.1.1
              1.7.3
                        2021-07-16 [1] CRAN (R 4.0.3)
stringi
stringr
            * 1.4.0
                        2019-02-10 [1] CRAN (R 4.0.2)
              2.0.0
                        2021-02-20 [1] CRAN (R 4.0.3)
svglite
                        2021-05-11 [1] CRAN (R 4.0.3)
systemfonts
              1.0.2
tibble
            * 3.1.2
                        2021-05-16 [1] CRAN (R 4.0.3)
tidyr
            * 1.1.3
                        2021-03-03 [1] CRAN (R 4.0.3)
tidyselect
              1.1.1
                        2021-04-30 [1] CRAN (R 4.0.3)
tidyverse
            * 1.3.1
                        2021-04-15 [1] CRAN (R 4.0.3)
utf8
              1.2.1
                        2021-03-12 [1] CRAN (R 4.0.3)
uuid
              0.1 - 4
                        2020-02-26 [1] CRAN (R 4.0.2)
              0.3.8
                        2021-04-29 [1] CRAN (R 4.0.3)
vctrs
withr
              2.4.2
                        2021-04-18 [1] CRAN (R 4.0.3)
              1.3.2
                        2020-04-23 [1] CRAN (R 4.0.2)
xm12
```

<sup>[1] /</sup>home/jbenja13/R/x86\_64-pc-linux-gnu-library/4.0

<sup>[2] /</sup>usr/lib/R/library