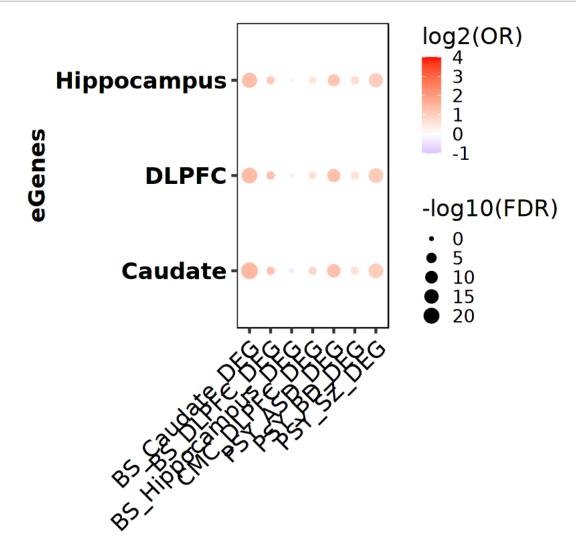
main

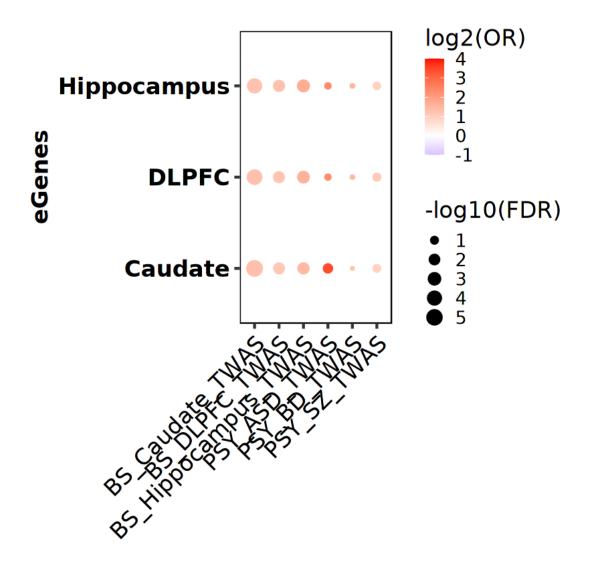
September 22, 2021

1 Clustered dotplots

[1]: library(ggplot2)

```
library(tidyverse)
      Attaching packages
                                                 tidyverse
    1.3.1
      tibble 3.1.4
                          dplyr
                                  1.0.7
                          stringr 1.4.0
              1.1.3
      tidyr
      readr
              2.0.1
                          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
[3]: dt <- data.table::fread("../../_m/
      →clincial_phenotypes_enrichment_analysis_3brainRegions.tsv")
     dt %>% head(2)
                                                                           FDR.
                       Tissue
                                 Comparison
                                                    OR.
                                                              P-value
                       <chr>
                                 <chr>
                                                    <dbl>
                                                              <dbl>
                                                                            <dbl>
    A data.table: 2 \times 5
                       Caudate
                                 BS Caudate DEG
                                                              1.392999e-25
                                                                           5.432696e-24
                                                    2.756170
                       Caudate
                                 BS\_DLPFC\_DEG
                                                    2.349303
                                                              4.310847e-03
                                                                           8.848580e-03
[4]: log2(dt$OR) %>% min
    -0.388375347157601
```





1.2 Reproducibility Information

```
[7]: Sys.time()
  proc.time()
  options(width = 120)
  sessioninfo::session_info()

[1] "2021-09-22 08:50:57 EDT"

  user system elapsed
  4.923  0.177  5.400

Session info
  setting value
```

version R version 4.0.3 (2020-10-10)

os Arch Linux

system x86_64, linux-gnu

ui X11 language (EN)

collate en_US.UTF-8
ctype en_US.UTF-8
tz America/New_York

date 2021-09-22

Packages

package	*	version	date	lib	sourc	ce
abind		1.4-5	2016-07-21	[1]	CRAN	(R 4.0.2)
assertthat		0.2.1	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)
broom		0.7.9	2021-07-27	[1]	CRAN	(R 4.0.3)
Cairo		1.5-12.2	2020-07-07	[1]	CRAN	(R 4.0.2)
car		3.0-11	2021-06-27	[1]	CRAN	(R 4.0.3)
carData		3.0-4	2020-05-22	[1]	CRAN	(R 4.0.2)
cellranger		1.1.0	2016-07-27	[1]	CRAN	(R 4.0.2)
cli		3.0.1	2021-07-17	[1]	CRAN	(R 4.0.3)
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)
curl		4.3.2	2021-06-23	[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)
dbplyr		2.1.1	2021-04-06	[1]	CRAN	(R 4.0.3)
digest		0.6.27	2020-10-24	[1]	CRAN	(R 4.0.2)
dplyr	*	1.0.7	2021-06-18	[1]	CRAN	(R 4.0.3)
ellipsis		0.3.2	2021-04-29	[1]	CRAN	(R 4.0.3)
evaluate		0.14	2019-05-28	[1]	CRAN	(R 4.0.2)
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)
fastmap		1.1.0	2021-01-25	[1]	CRAN	(R 4.0.2)
forcats	*	0.5.1	2021-01-27	[1]	CRAN	(R 4.0.2)
foreign		0.8-80	2020-05-24	[2]	CRAN	(R 4.0.3)
fs		1.5.0	2020-07-31	[1]	CRAN	(R 4.0.2)
generics		0.1.0	2020-10-31	[1]	CRAN	(R 4.0.2)
ggplot2	*	3.3.5	2021-06-25	[1]	CRAN	(R 4.0.3)
ggpubr		0.4.0	2020-06-27	[1]	CRAN	(R 4.0.2)
ggsignif		0.6.2	2021-06-14	[1]	CRAN	(R 4.0.3)
glue		1.4.2	2020-08-27	[1]	CRAN	(R 4.0.2)
gtable		0.3.0	2019-03-25	[1]	CRAN	(R 4.0.2)
haven		2.4.3	2021-08-04	[1]	CRAN	(R 4.0.3)
hms		1.1.0	2021-05-17	[1]	CRAN	(R 4.0.3)
htmltools		0.5.2	2021-08-25	[1]	CRAN	(R 4.0.3)
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)
labeling
              0.4.2
                        2020-10-20 [1] CRAN (R 4.0.2)
              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)
magrittr
              2.0.1
                        2020-11-17 [1] CRAN (R 4.0.2)
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)
openxlsx
              4.2.4
                        2021-06-16 [1] CRAN (R 4.0.3)
                        2021-02-10 [1] CRAN (R 4.0.3)
pbdZMQ
              0.3 - 5
              1.6.2
                        2021-07-29 [1] CRAN (R 4.0.3)
pillar
              2.0.3
                        2019-09-22 [1] CRAN (R 4.0.2)
pkgconfig
            * 0.3.4
                        2020-04-17 [1] CRAN (R 4.0.2)
purrr
R6
              2.5.1
                        2021-08-19 [1] CRAN (R 4.0.3)
              1.0.7
                        2021-07-07 [1] CRAN (R 4.0.3)
Rcpp
readr
            * 2.0.1
                        2021-08-10 [1] CRAN (R 4.0.3)
              1.3.1
                        2019-03-13 [1] CRAN (R 4.0.2)
readxl
              1.1.3
                        2021-01-21 [1] CRAN (R 4.0.2)
repr
              2.0.1
                        2021-08-05 [1] CRAN (R 4.0.3)
reprex
rio
              0.5.27
                        2021-06-21 [1] CRAN (R 4.0.3)
              0.4.11
                        2021-04-30 [1] CRAN (R 4.0.3)
rlang
rstatix
              0.7.0
                        2021-02-13 [1] CRAN (R 4.0.3)
                        2020-11-12 [1] CRAN (R 4.0.2)
rstudioapi
              0.13
rvest
              1.0.1
                        2021-07-26 [1] CRAN (R 4.0.3)
scales
              1.1.1
                        2020-05-11 [1] CRAN (R 4.0.2)
                        2018-11-05 [1] CRAN (R 4.0.2)
sessioninfo
              1.1.1
stringi
              1.7.4
                        2021-08-25 [1] CRAN (R 4.0.3)
            * 1.4.0
                        2019-02-10 [1] CRAN (R 4.0.2)
stringr
svglite
              2.0.0
                        2021-02-20 [1] CRAN (R 4.0.3)
systemfonts
              1.0.2
                        2021-05-11 [1] CRAN (R 4.0.3)
tibble
            * 3.1.4
                        2021-08-25 [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
                        2021-04-15 [1] CRAN (R 4.0.3)
            * 1.3.1
tzdb
              0.1.2
                        2021-07-20 [1] CRAN (R 4.0.3)
utf8
              1.2.2
                        2021-07-24 [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)
xm12
              1.3.2
                        2020-04-23 [1] CRAN (R 4.0.2)
              2.2.0
                        2021-05-31 [1] CRAN (R 4.0.3)
zip
```

- [1] /home/jbenja13/R/x86_64-pc-linux-gnu-library/4.0
- [2] /usr/lib/R/library