main

July 10, 2021

1 Plot RXE comparisons

V1

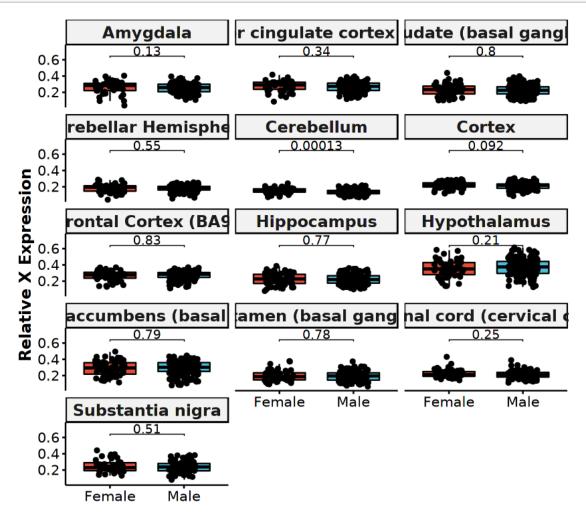
Χ

```
[1]: library(ggpubr)
     library(tidyverse)
    Loading required package: ggplot2
      Attaching packages
                                                tidyverse
    1.3.1
     tibble 3.1.2
                                  1.0.7
                          dplyr
            1.1.3
                          stringr 1.4.0
     tidyr
     readr
              1.4.0
                          forcats 0.5.1
     purrr
              0.3.4
      Conflicts
    tidyverse_conflicts()
      dplyr::filter() masks stats::filter()
     dplyr::lag()
                      masks stats::lag()
[2]: save_ggplots <- function(p, fn, w=7, h=7){</pre>
         for(ext in c('.svg', '.png', '.pdf')){
             ggsave(p, filename=paste0(fn, ext), width=w, height=h)
         }
     }
[3]: df = data.table::fread("../../_m/RXE_public.csv") %>%
         mutate(Region=gsub("Brain - ", "", SMTSD)) %>%
         mutate_if(is.character, as.factor)
     df %>% head(2)
```

autosome sample

RXE

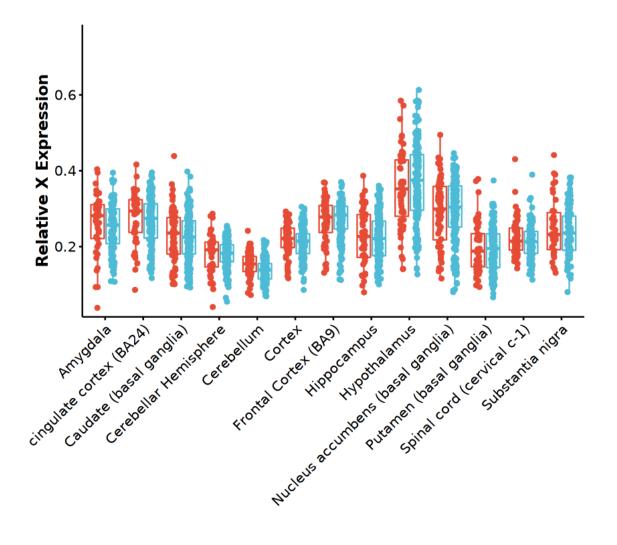
BioSample Ad



SEX ⇒ Female **⇒** Male

Warning message:

```
"Computation failed in `stat_signif()`:
missing value where TRUE/FALSE needed"
Warning message:
"Computation failed in `stat_signif()`:
missing value where TRUE/FALSE needed"
Warning message:
"Computation failed in `stat_signif()`:
missing value where TRUE/FALSE needed"
Warning message:
"Computation failed in `stat_signif()`:
missing value where TRUE/FALSE needed"
```



SEX 😑 Female 😑 Male

1.1 Repreducibility Information

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

[1] "2021-07-10 10:29:34 EDT"

    user system elapsed
    12.846    0.598    13.799

    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 2021-07-10

Packages

1 ackages						
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		0.7.8	2021-06-24	[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		3.0.0	2021-06-30	[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)
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)
ggsci		2.9	2018-05-14	[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		2.4.1	2021-04-23	[1]	CRAN	(R 4.0.3)
hms		1.1.0	2021-05-17	[1]	CRAN	(R 4.0.3)
htmltools		0.5.1.1	2021-01-22	[1]	CRAN	(R 4.0.2)
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)
                        2021-06-16 [1] CRAN (R 4.0.3)
openxlsx
              4.2.4
                        2021-02-10 [1] CRAN (R 4.0.3)
pbdZMQ
              0.3 - 5
              1.6.1
                        2021-05-16 [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
              2.5.0
                        2020-10-28 [1] CRAN (R 4.0.2)
              1.0.7
                        2021-07-07 [1] CRAN (R 4.0.3)
Rcpp
readr
            * 1.4.0
                        2020-10-05 [1] CRAN (R 4.0.2)
              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
              2.0.0
                        2021-04-02 [1] CRAN (R 4.0.3)
reprex
                        2021-06-21 [1] CRAN (R 4.0.3)
rio
              0.5.27
              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
              1.0.0
                        2021-03-09 [1] CRAN (R 4.0.3)
                        2020-05-11 [1] CRAN (R 4.0.2)
scales
              1.1.1
                        2018-11-05 [1] CRAN (R 4.0.2)
sessioninfo
              1.1.1
stringi
              1.6.2
                        2021-05-17 [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
            * 3.1.2
                        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
                        2021-04-15 [1] CRAN (R 4.0.3)
            * 1.3.1
utf8
              1.2.1
                        2021-03-12 [1] CRAN (R 4.0.3)
                        2020-02-26 [1] CRAN (R 4.0.2)
uuid
              0.1 - 4
vctrs
              0.3.8
                        2021-04-29 [1] CRAN (R 4.0.3)
              2.4.2
                        2021-04-18 [1] CRAN (R 4.0.3)
withr
                        2020-04-23 [1] CRAN (R 4.0.2)
xm12
              1.3.2
              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

[]: