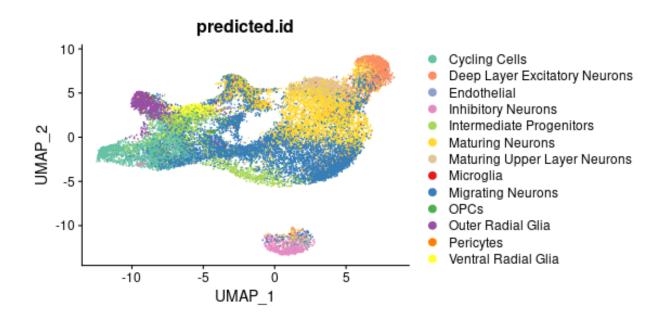
Figure 2

Joe Raymond

April 1, 2021

Figure 2B

```
dataset$age <- factor(dataset$age, levels = c('30', '90', '166'))
UMAPPlot(dataset, group.by = 'predicted.id', cols = colors)</pre>
```



UMAPPlot(dataset, group.by = 'age', cols = colors)

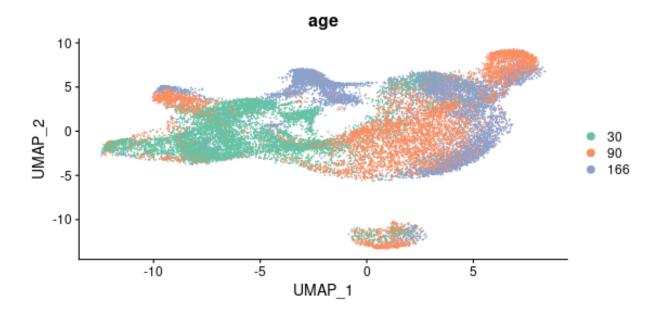


Figure 2C

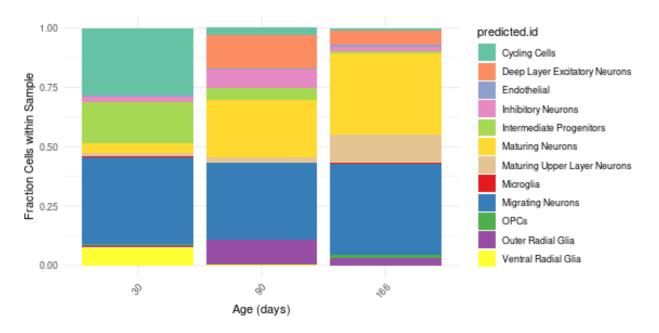
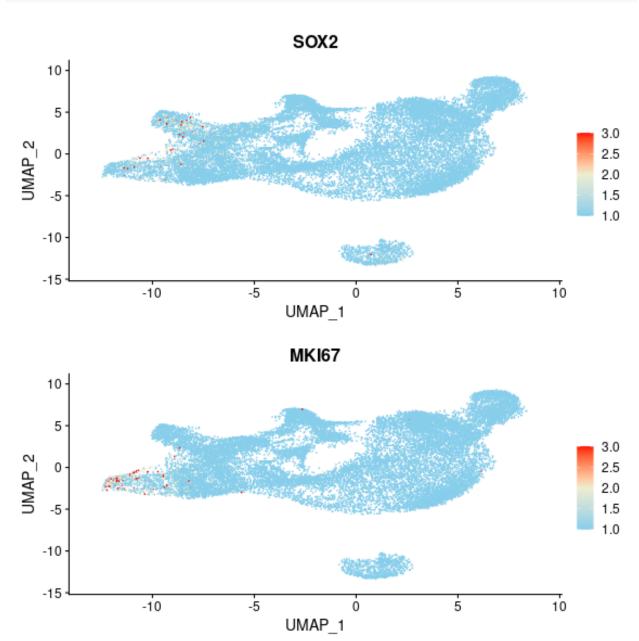
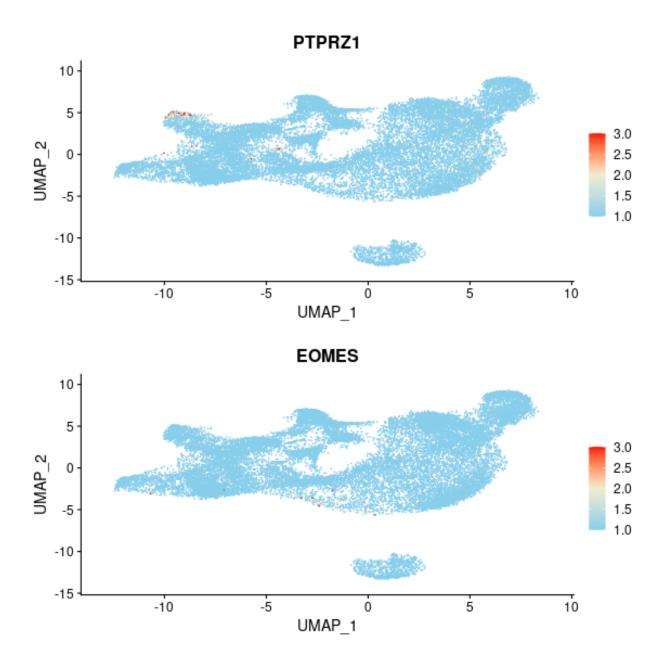
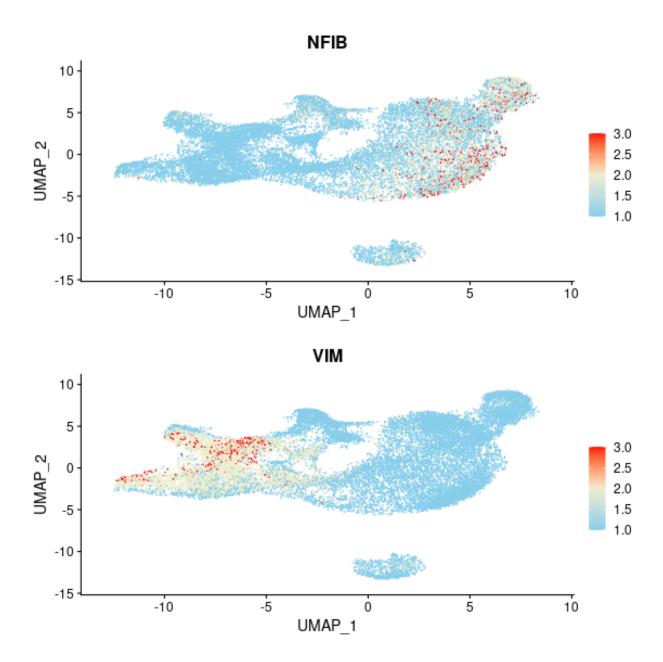
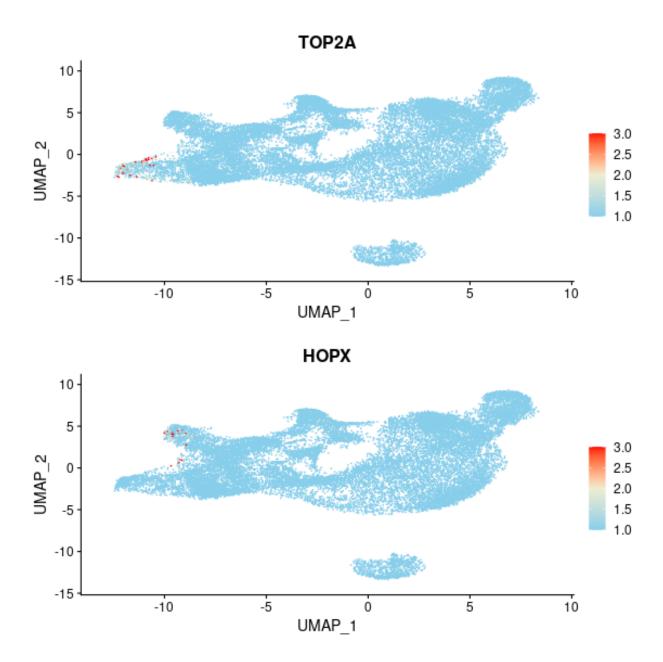


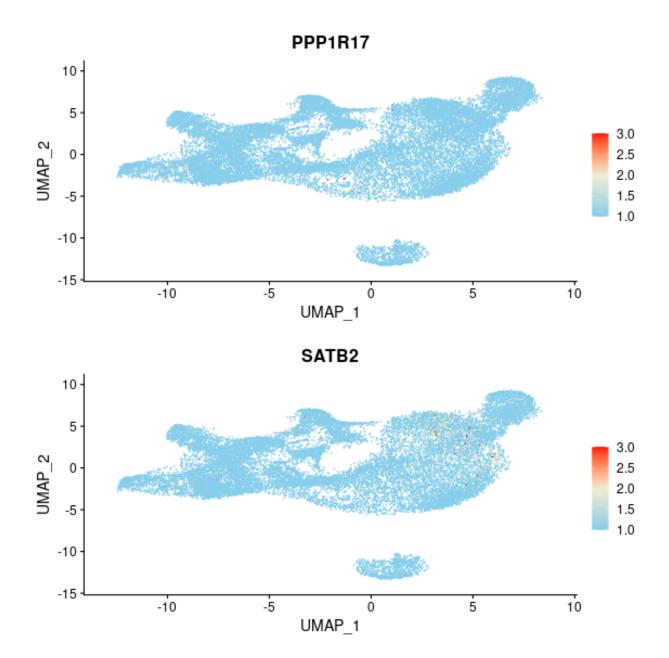
Figure 2D











sessionInfo()

```
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                                   LC NAME=C
##
   [9] LC_ADDRESS=C
                                   LC TELEPHONE=C
## [11] LC MEASUREMENT=en US.UTF-8 LC IDENTIFICATION=C
##
## attached base packages:
                 graphics grDevices utils
## [1] stats
                                                                    base
                                                datasets methods
## other attached packages:
## [1] ggplot2_3.3.3
                          reshape2_1.4.4
                                              RColorBrewer_1.1-2 dplyr_1.0.5
## [5] SeuratObject_4.0.0 Seurat_4.0.0
## loaded via a namespace (and not attached):
##
     [1] nlme_3.1-152
                              matrixStats_0.58.0
                                                    RcppAnnoy_0.0.18
                                                    tools_4.0.2
##
     [4] httr_1.4.2
                              sctransform_0.3.2
##
     [7] utf8_1.1.4
                              R6_2.5.0
                                                    irlba_2.3.3
##
    [10] rpart_4.1-15
                              KernSmooth_2.23-18
                                                    uwot_0.1.10
##
   [13] mgcv_1.8-34
                              DBI_1.1.1
                                                    lazyeval_0.2.2
   [16] colorspace 2.0-0
                              withr 2.4.1
                                                    tidyselect 1.1.0
   [19] gridExtra_2.3
                              compiler_4.0.2
                                                    plotly_4.9.3
   [22] labeling 0.4.2
                              scales_1.1.1
                                                    spatstat.data_2.0-0
##
  [25] lmtest_0.9-38
                              ggridges_0.5.3
                                                    pbapply_1.4-3
  [28] goftest 1.2-2
                              spatstat_1.64-1
                                                    stringr_1.4.0
##
   [31] digest 0.6.27
                              spatstat.utils 2.0-0 rmarkdown 2.7
                              htmltools 0.5.1.1
##
   [34] pkgconfig_2.0.3
                                                    parallelly_1.23.0
##
  [37] highr_0.8
                              fastmap_1.1.0
                                                    htmlwidgets_1.5.3
   [40] rlang_0.4.10
                              shiny_1.6.0
                                                    farver_2.1.0
##
                              zoo_1.8-8
   [43] generics_0.1.0
                                                    jsonlite_1.7.2
##
   [46] ica_1.0-2
                              magrittr_2.0.1
                                                    patchwork_1.1.1
##
   [49] Matrix_1.3-2
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   [52] fansi_0.4.2
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                                                    reticulate_1.18
##
    [55] lifecycle_1.0.0
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                                                    yaml_2.2.1
##
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                                                    plyr_1.8.6
##
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                              parallel_4.0.2
                                                    listenv_0.8.0
                              ggrepel_0.9.1
##
   [64] promises_1.2.0.1
                                                    crayon_1.4.1
##
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                                                    lattice 0.20-41
##
  [70] cowplot_1.1.1
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                                                    tensor_1.5
  [73] knitr 1.31
                              pillar 1.5.1
                                                    igraph 1.2.6
##
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                                                    leiden_0.3.7
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                                                    data.table_1.14.0
##
##
  [82] vctrs_0.3.6
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                              gtable_0.3.0
                                                    RANN 2.6.1
   [88] purrr 0.3.4
                              tidyr_1.1.3
                                                    scattermore 0.7
##
##
   [91] future_1.21.0
                              assertthat_0.2.1
                                                    xfun 0.21
##
                                                    later_1.1.0.1
  [94] mime_0.10
                              xtable_1.8-4
  [97] survival_3.2-7
                              viridisLite_0.3.0
                                                    tibble_3.1.0
## [100] cluster_2.1.1
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                                                    fitdistrplus_1.1-3
## [103] ellipsis_0.3.1
                              ROCR_1.0-11
```