## Figures 3 Panels

Figure 3c

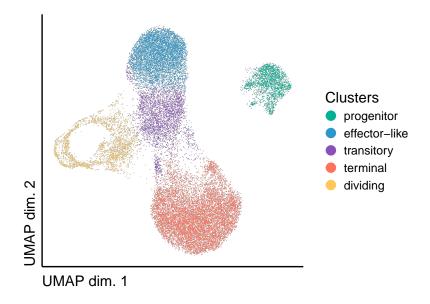


Figure 3d

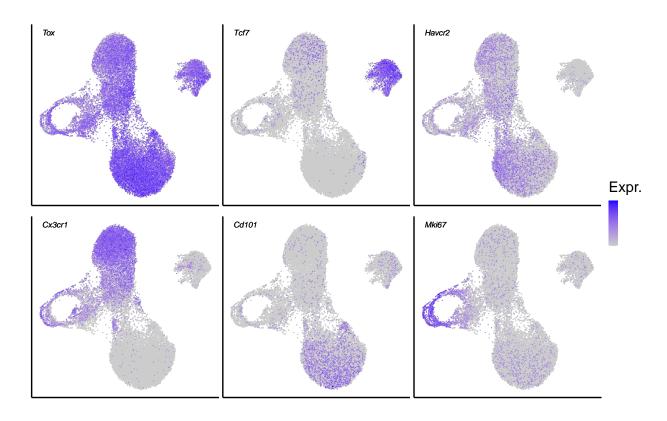


Figure 3e

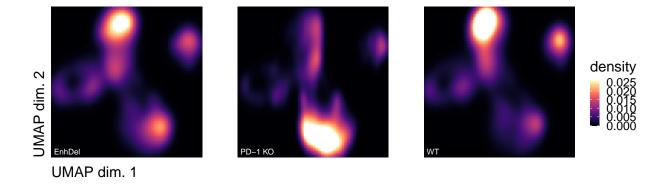
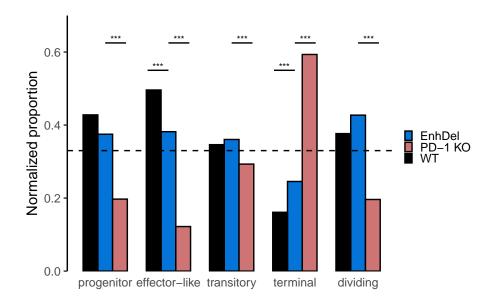


Figure 3f



## Figure 3i

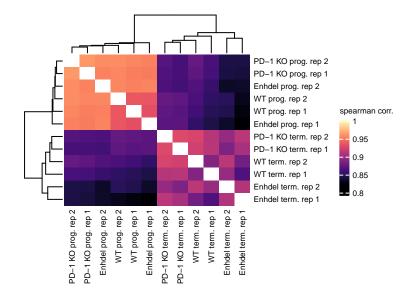
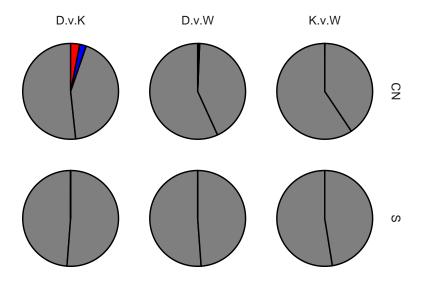
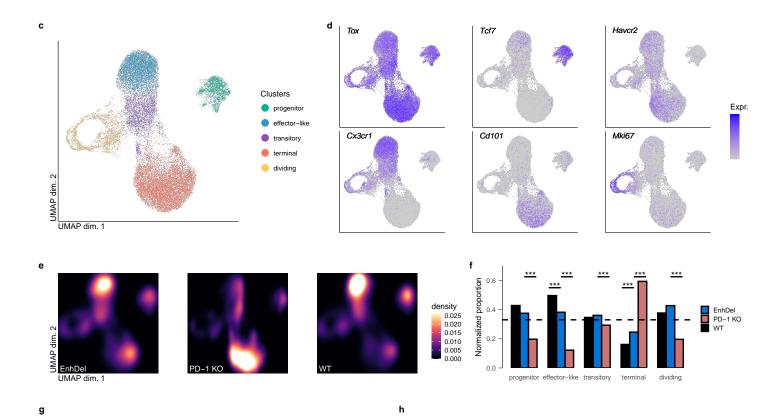


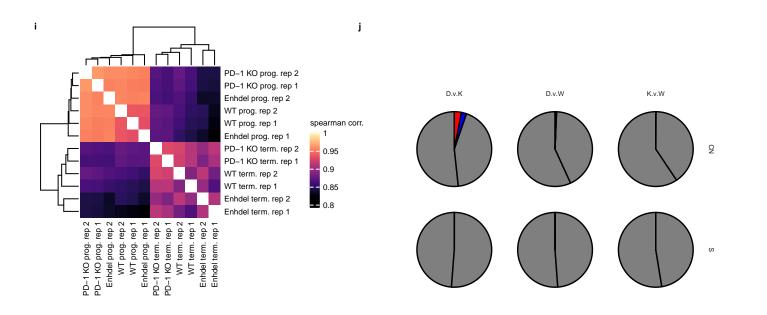
Figure 3j



**Figure 3 Panel Layout** 

a b





```
## R version 4.0.3 (2020-10-10)
## Platform: x86_64-apple-darwin17.0 (64-bit)
## Running under: macOS Big Sur 10.16
##
## Matrix products: default
## BLAS:
           /Library/Frameworks/R.framework/Versions/4.0/Resources/lib/libRblas.dylib
## LAPACK: /Library/Frameworks/R.framework/Versions/4.0/Resources/lib/libRlapack.dylib
##
## locale:
## [1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8
## attached base packages:
## [1] grid
                 stats
                            graphics
                                      grDevices utils
                                                           datasets methods
## [8] base
##
## other attached packages:
##
   [1] SeuratObject_4.0.4
                              Seurat_3.1.1
                                                    ggrastr_1.0.1
##
   [4] scattermore_0.8
                              ggforce_0.3.3
                                                    ggrepel_0.9.1
   [7] circlize_0.4.14
                              ComplexHeatmap_2.4.3 ggridges_0.5.3
## [10] gridExtra_2.3
                              viridis_0.6.2
                                                    viridisLite_0.4.0
## [13] ggpubr_0.4.0
                              cowplot_1.1.1
                                                    readr_2.1.2
## [16] tibble_3.1.6
                              purrr_0.3.4
                                                    tidyr_1.2.0
## [19] stringr_1.4.0
                              ggplot2_3.3.6
                                                    dplyr_1.0.9
## [22] here_1.0.1
##
## loaded via a namespace (and not attached):
##
     [1] backports_1.4.1
                              sn_2.0.2
                                                   plyr_1.8.7
##
     [4] igraph_1.3.0
                              lazyeval_0.2.2
                                                   splines_4.0.3
##
    [7] listenv_0.8.0
                              qqconf_1.2.3
                                                   TH.data_1.1-1
##
    [10] digest_0.6.29
                              htmltools_0.5.2
                                                   fansi_1.0.3
##
                              cluster_2.1.3
                                                   ROCR_1.0-11
    [13] magrittr_2.0.3
    [16] tzdb_0.3.0
##
                              globals_0.14.0
                                                   matrixStats_0.61.0
##
    [19] vroom_1.5.7
                              R.utils_2.11.0
                                                   sandwich_3.0-1
##
   [22] colorspace_2.0-3
                              rbibutils_2.2.7
                                                   xfun_0.30
    [25] crayon_1.5.1
                              jsonlite_1.8.0
                                                   survival_3.3-1
##
##
    [28] zoo_1.8-9
                              ape_5.6-2
                                                   glue_1.6.2
##
   [31] polyclip_1.10-0
                                                   leiden_0.3.10
                              gtable_0.3.0
##
    [34] GetoptLong_1.0.5
                              car_3.0-13
                                                   future.apply_1.9.0
                              BiocGenerics_0.34.0 abind_1.4-5
##
    [37] shape_1.4.6
##
    [40] scales_1.2.0
                              mvtnorm 1.1-3
                                                   DBI 1.1.2
##
   [43] rstatix_0.7.0
                              Rcpp_1.0.9
                                                   metap_1.8
                              {\tt tmvnsim\_1.0-2}
##
   [46] plotrix_3.8-2
                                                   clue_0.3-60
##
    [49] reticulate_1.24
                              bit_4.0.4
                                                   rsvd_1.0.5
##
   [52] SDMTools_1.1-221
                              tsne_0.1-3.1
                                                   stats4_4.0.3
##
   [55] htmlwidgets_1.5.4
                              httr_1.4.2
                                                   RColorBrewer_1.1-3
##
    [58] TFisher_0.2.0
                              ellipsis_0.3.2
                                                   ica_1.0-2
##
    [61] pkgconfig_2.0.3
                              R.methodsS3_1.8.1
                                                   farver_2.1.0
##
    [64] uwot_0.1.11
                              utf8_1.2.2
                                                   labeling_0.4.2
    [67] reshape2_1.4.4
                              tidyselect_1.1.2
                                                   rlang_1.0.6
##
    [70] munsell_0.5.0
                              tools_4.0.3
                                                   cli_3.4.1
##
    [73] generics_0.1.2
                              broom_0.8.0
                                                   mathjaxr_1.6-0
##
   [76] evaluate_0.15
                              fastmap_1.1.0
                                                   yam1_2.3.5
##
   [79] bit64 4.0.5
                              knitr_1.39
                                                   fitdistrplus_1.1-8
##
    [82] RANN_2.6.1
                              pbapply_1.5-0
                                                   future_1.25.0
##
    [85] nlme_3.1-157
                              R.oo_1.24.0
                                                   compiler_4.0.3
   [88] rstudioapi_0.13
                                                   plotly_4.10.0
##
                              beeswarm_0.4.0
##
   [91] png_0.1-7
                              ggsignif_0.6.3
                                                   tweenr 1.0.2
##
    [94] stringi_1.7.6
                              lattice_0.20-45
                                                   Matrix_1.4-1
##
   [97] multtest_2.44.0
                              vctrs_0.4.1
                                                   mutoss_0.1-12
## [100] pillar_1.7.0
                              lifecycle_1.0.1
                                                   Rdpack_2.3
                              GlobalOptions_0.1.2 RcppAnnoy_0.0.19
## [103] lmtest_0.9-40
## [106] data.table_1.14.2
                              irlba_2.3.5
                                                   R6_2.5.1
## [109] KernSmooth_2.23-20
                              vipor_0.4.5
                                                   parallelly_1.31.1
```

##	[112]	codetools_0.2-18	MASS_7.3-56	assertthat_0.2.1
##	[115]	rprojroot_2.0.3	rjson_0.2.21	withr_2.5.0
##	[118]	sctransform_0.3.3	mnormt_2.0.2	multcomp_1.4-19
##	[121]	parallel_4.0.3	hms_1.1.1	rmarkdown_2.14
##	[124]	carData_3.0-5	Rtsne_0.15	numDeriv_2016.8-1.1
##	[127]	Biobase_2.48.0	ggbeeswarm_0.6.0	