

Figure 2

Ximing Ran

2025-10-15

Contents

Fig 2A: heatmap for single Logistic regression analysis	2
Fig 2B: Heapmat for optimial model	3
Fig 2D: ROC plot for different pannel	6
Fig 2: Combine all panels	7
Session Info	8

Fig 2A: heatmap for single Logistic regression analysis

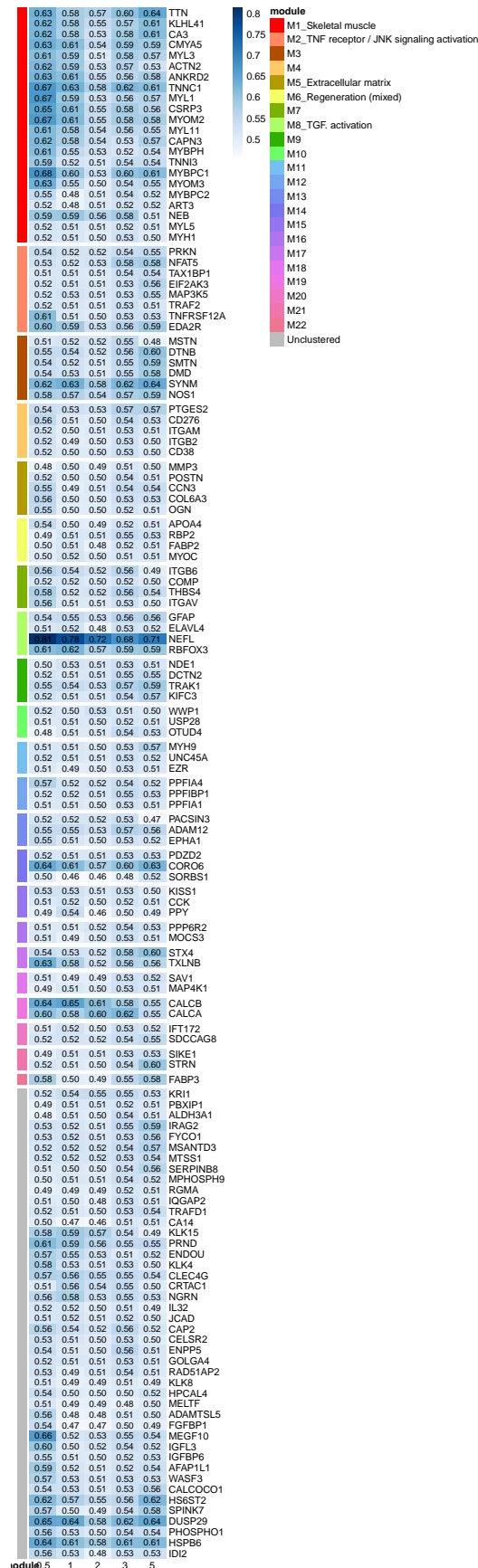
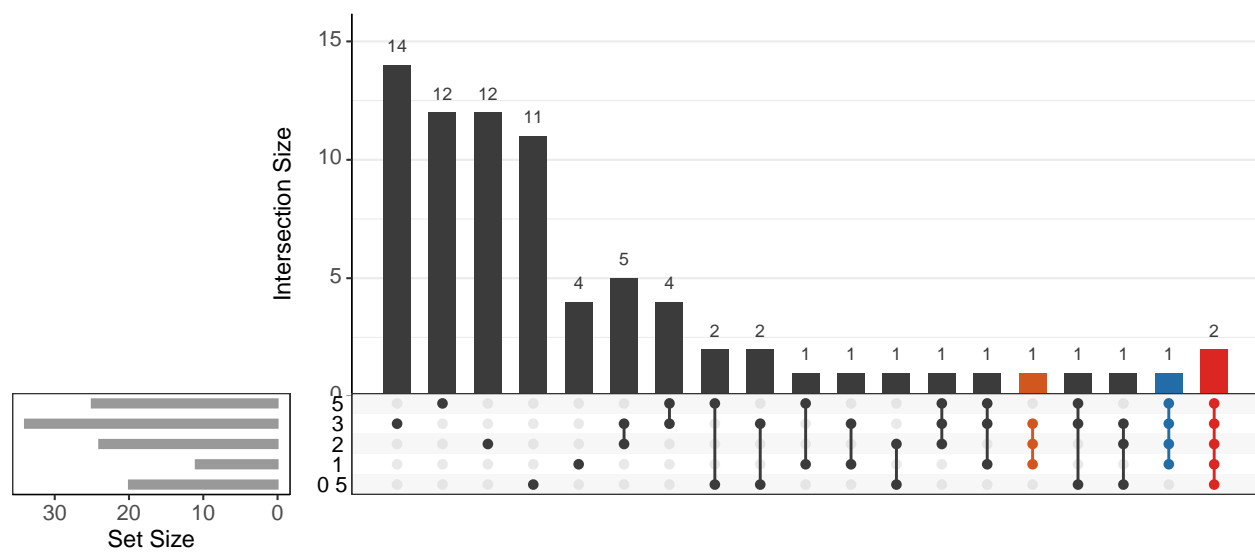


Fig 2B: Heatmap for optimal model



Fig 2C: Upset plot for optimal model



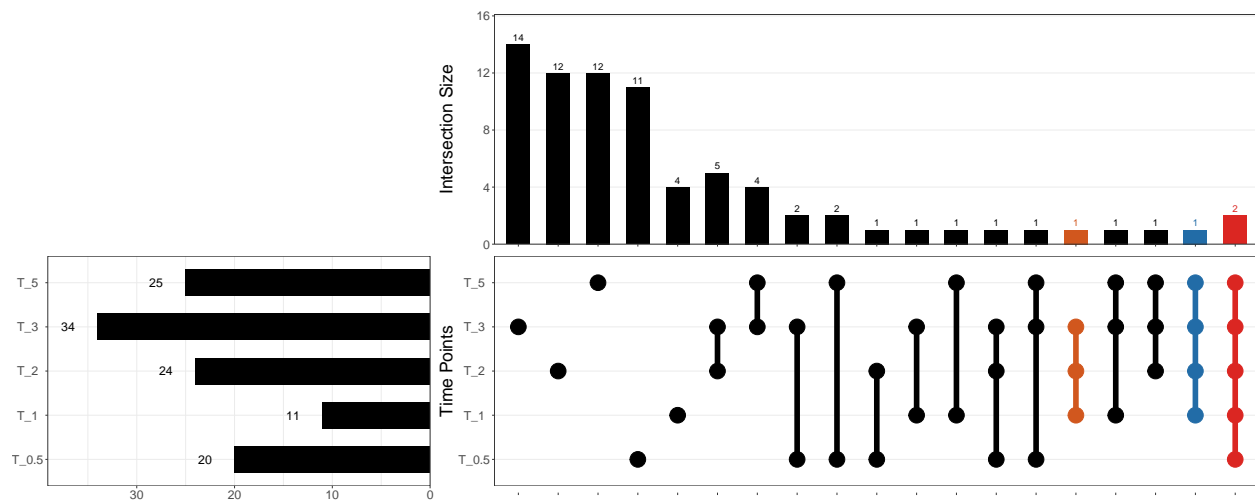


Fig 2D: ROC plot for different pannel

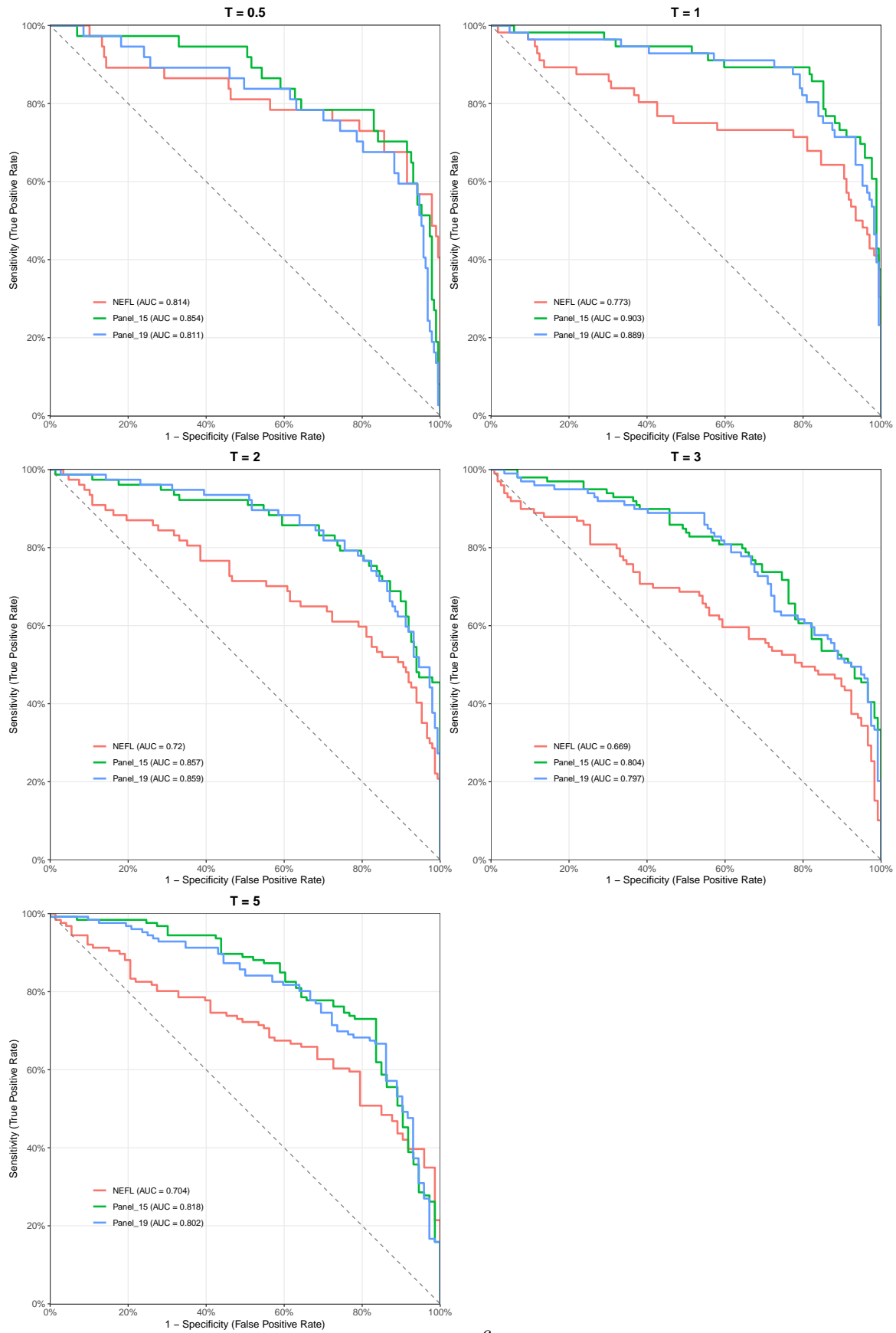
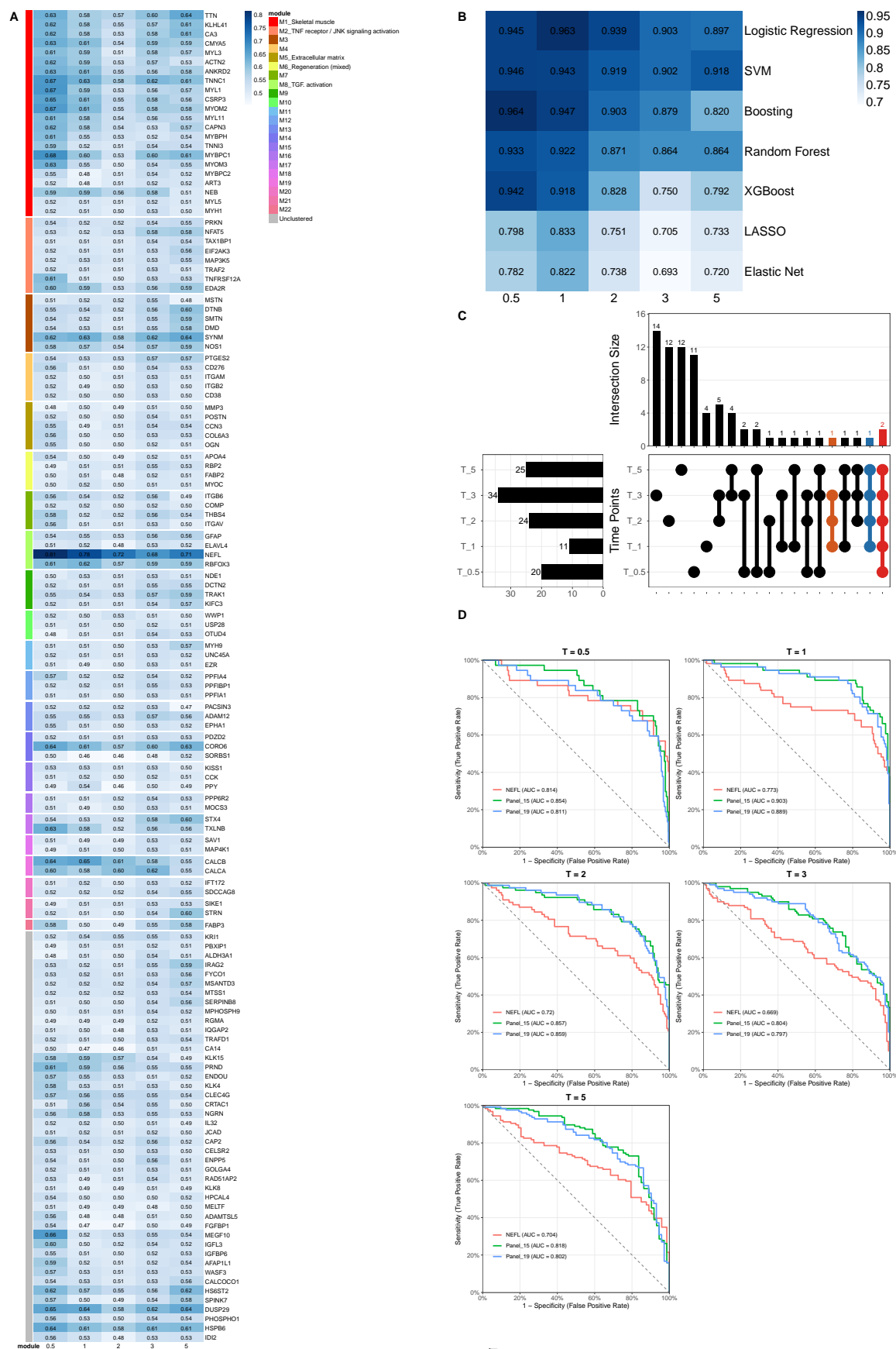


Fig 2: Combine all panels



Session Info

```
## R version 4.4.0 (2024-04-24)
## Platform: aarch64-apple-darwin20
## Running under: macOS 26.0.1
##
## Matrix products: default
## BLAS:   /Library/Frameworks/R.framework/Versions/4.4-arm64/Resources/lib/libRblas.0.dylib
## LAPACK: /Library/Frameworks/R.framework/Versions/4.4-arm64/Resources/lib/libRlapack.dylib; LAPACK v
##
## locale:
## [1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8
##
## time zone: America/New_York
## tzcode source: internal
##
## attached base packages:
## [1] stats      graphics  grDevices  utils      datasets  methods    base
##
## other attached packages:
## [1] patchwork_1.3.0    UpSetR_1.4.0      RColorBrewer_1.1-3 pheatmap_1.0.12
## [5] igraph_2.1.4       ggnewscale_0.5.1  ggforce_0.4.2       scales_1.4.0
## [9] tidygraph_1.3.1    ggraph_2.2.1      gprofiler2_0.2.3    ggrepel_0.9.6
## [13] progress_1.2.3     kableExtra_1.4.0  lmerTest_3.1-3      lme4_1.1-37
## [17] Matrix_1.7-3       ggpubr_0.6.0      cowplot_1.1.3       jtools_2.3.0
## [21] ggsignif_0.6.4     extrafont_0.19    gridExtra_2.3       OlinkAnalyze_4.2.0
## [25] arrow_20.0.0       knitr_1.50        lubridate_1.9.4     forcats_1.0.0
## [29] stringr_1.5.1      dplyr_1.1.4       purrr_1.1.0         readr_2.1.5
## [33] tidyr_1.3.1        tibble_3.2.1      ggplot2_4.0.0       tidyverse_2.0.0
##
## loaded via a namespace (and not attached):
## [1] rstudioapi_0.17.1  jsonlite_2.0.0     magrittr_2.0.3
## [4] estimability_1.5.1 farver_2.1.2        nloptr_2.2.1
## [7] rmarkdown_2.29     ragg_1.4.0          fs_1.6.6
## [10] vctrs_0.6.5        memoise_2.0.1       minqa_1.2.8
## [13] tinytex_0.57       rstatix_0.7.2       htmltools_0.5.8.1
## [16] broom_1.0.8         cellranger_1.1.0    gridGraphics_0.5-1
## [19] Formula_1.2-5       parallelly_1.44.0   htmlwidgets_1.6.4
## [22] plyr_1.8.9          emmeans_1.11.1      plotly_4.10.4
## [25] cachem_1.1.0        lifecycle_1.0.4     pkgconfig_2.0.3
## [28] R6_2.6.1            fastmap_1.2.0       rbibutils_2.3
## [31] future_1.49.0       digest_0.6.37       numDeriv_2016.8-1.1
## [34] furrr_0.3.1         rprojroot_2.0.4     textshaping_1.0.1
## [37] labeling_0.4.3      timechange_0.3.0    httr_1.4.7
## [40] polyclip_1.10-7     abind_1.4-8         compiler_4.4.0
## [43] here_1.0.1          bit64_4.6.0-1       withr_3.0.2
## [46] pander_0.6.6        S7_0.2.0            backports_1.5.0
## [49] carData_3.0-5       viridis_0.6.5       Rttf2pt1_1.3.12
## [52] broom.mixed_0.2.9.6 MASS_7.3-65          tools_4.4.0
## [55] extrafontdb_1.0     glue_1.8.0          nlme_3.1-168
## [58] grid_4.4.0          generics_0.1.4      gtable_0.3.6
## [61] tzdb_0.5.0          data.table_1.17.4   hms_1.1.3
## [64] xml2_1.3.8          car_3.1-3           pillar_1.10.2
## [67] yulab.utils_0.2.0   splines_4.4.0       tweenr_2.0.3
```



```

## [70] lattice_0.22-7      bit_4.6.0           tidyselect_1.2.1
## [73] reformulas_0.4.1    svglite_2.2.1       xfun_0.52
## [76] graphlayouts_1.2.2  stringi_1.8.7       lazyeval_0.2.2
## [79] yaml_2.3.10         boot_1.3-31         evaluate_1.0.3
## [82] codetools_0.2-20    ggplotify_0.1.2     cli_3.6.5
## [85] xtable_1.8-4        systemfonts_1.2.3   Rdpack_2.6.4
## [88] dichromat_2.0-0.1   Rcpp_1.0.14         readxl_1.4.5
## [91] globals_0.18.0      coda_0.19-4.1       parallel_4.4.0
## [94] assertthat_0.2.1    prettyunits_1.2.0   listenv_0.9.1
## [97] viridisLite_0.4.2   mvtnorm_1.3-3       crayon_1.5.3
## [100] rlang_1.1.6

```