

Immuncantation reticulation

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Motivation

This Rmd will download, install and execute IgBLAST (IGMT references) and Immcantation suite.

Downloading the Immcantation docker image would probably be as effective, if you're more familiar with Docker.

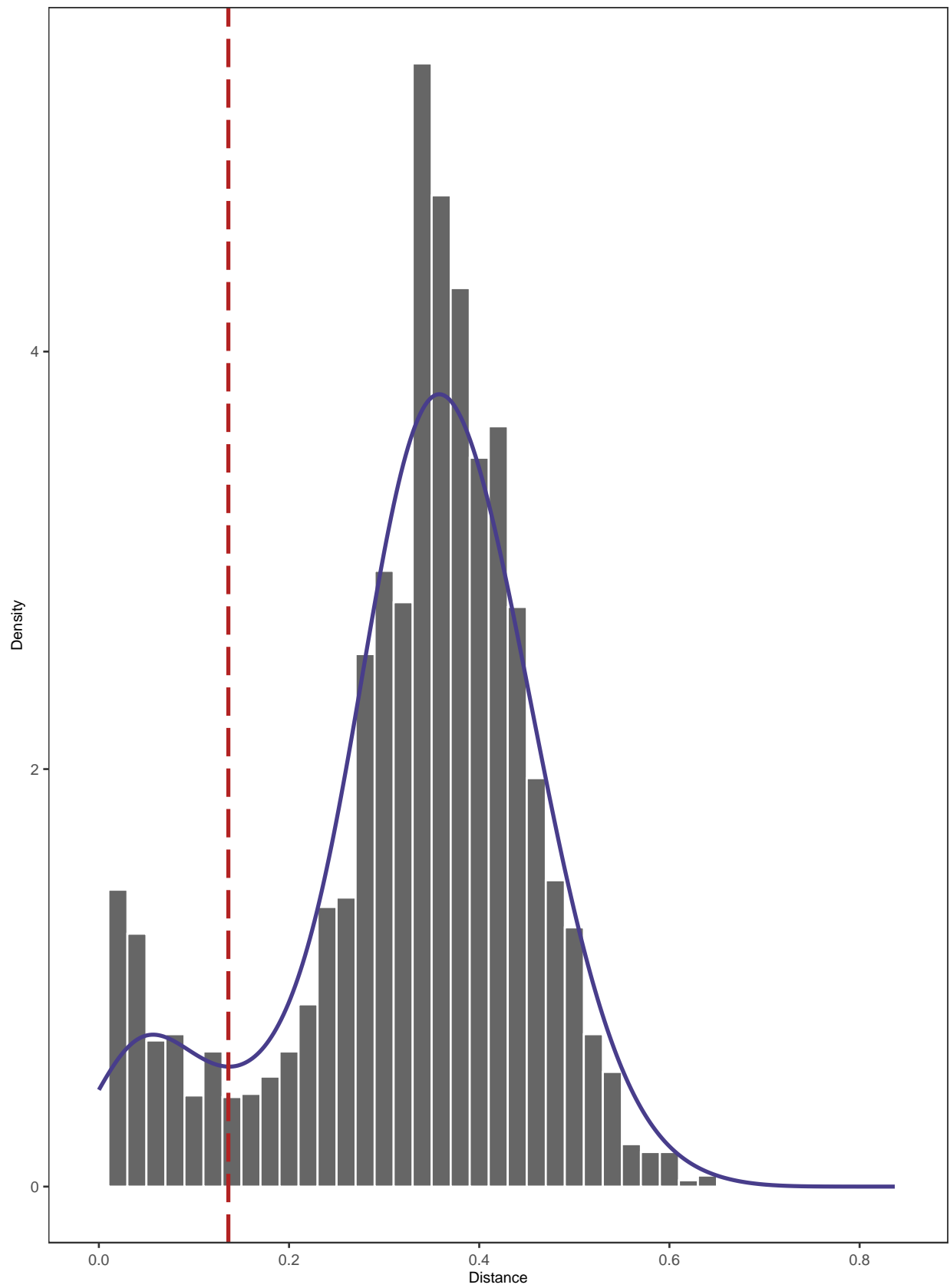
```
## [1] 0
```

```
## [1] 0
```

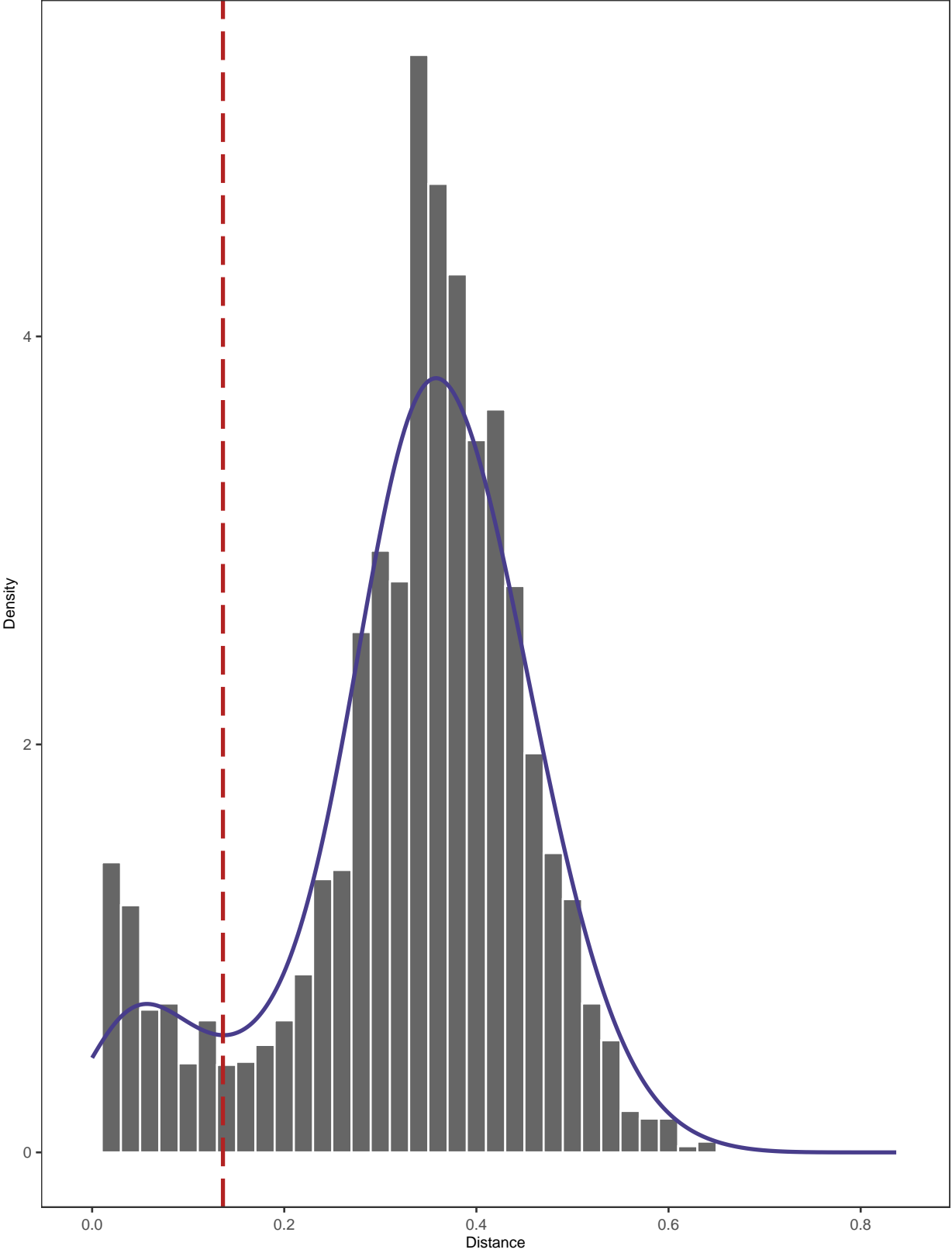
```
## [1] 0
```

```
## [1] 0
```

```
## [1] 0
```



filtered_contig.fasta
filtered_contig_annotations.csv

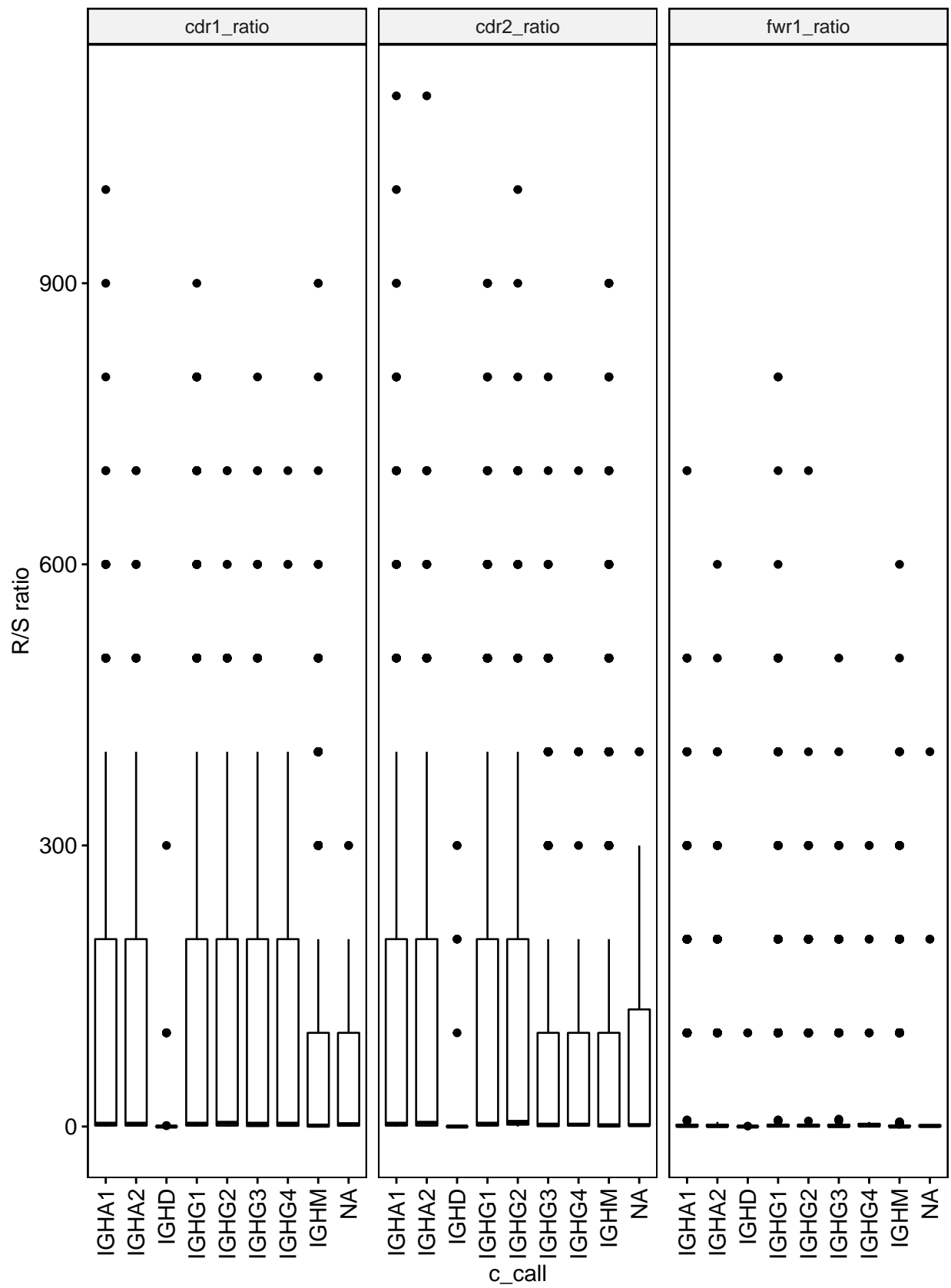


```
## [1] 0.1361582
```

```
## [1] 0
```

```
## [1] 0
```

```
## [1] 0
```



SessionInfo

```
## R version 3.6.1 (2019-07-05)
## Platform: x86_64-pc-linux-gnu (64-bit)
## Running under: CentOS Linux 7 (Core)
##
## Matrix products: default
## BLAS: /bi/apps/R/3.6.1/lib64/R/lib/libRblas.so
## LAPACK: /bi/apps/R/3.6.1/lib64/R/lib/libRlapack.so
##
## locale:
##  [1] LC_CTYPE=en_US.UTF-8 LC_NUMERIC=C LC_TIME=C
##  [4] LC_COLLATE=C LC_MONETARY=C LC_MESSAGES=C
##  [7] LC_PAPER=C LC_NAME=C LC_ADDRESS=C
## [10] LC_TELEPHONE=C LC_MEASUREMENT=C LC_IDENTIFICATION=C
##
## attached base packages:
## [1] stats graphics grDevices utils datasets methods base
##
## other attached packages:
## [1] forcats_0.4.0 stringr_1.4.0 dplyr_1.0.2 purrr_0.3.3
## [5] readr_1.3.1 tidyr_1.0.0 tibble_3.0.4 tidyverse_1.3.0
## [9] alakazam_1.0.2 shazam_1.0.2 ggplot2_3.3.2 reticulate_1.14
##
## loaded via a namespace (and not attached):
## [1] httr_1.4.1 jsonlite_1.6 foreach_1.4.7 modelr_0.1.5
## [5] assertthat_0.2.1 cellranger_1.1.0 yaml_2.2.0 progress_1.2.2
## [9] pillar_1.4.7 backports_1.1.5 lattice_0.20-38 glue_1.4.2
## [13] digest_0.6.23 ggsignif_0.6.0 rvest_0.3.5 colorspace_1.4-1
## [17] htmltools_0.4.0 Matrix_1.2-17 pkgconfig_2.0.3 broom_0.7.3
## [21] haven_2.2.0 scales_1.1.0 generics_0.0.2 farver_2.0.1
## [25] ggpubr_0.2.4 ellipsis_0.3.0 withr_2.1.2 lazyeval_0.2.2
## [29] cli_2.0.0 magrittr_1.5 crayon_1.3.4 readxl_1.3.1
## [33] evaluate_0.14 fansi_0.4.0 fs_1.3.1 doParallel_1.0.15
## [37] nlme_3.1-141 MASS_7.3-51.4 xml2_1.2.2 tools_3.6.1
## [41] prettyunits_1.0.2 hms_0.5.2 lifecycle_0.2.0 munsell_0.5.0
## [45] reprex_0.3.0 ade4_1.7-13 compiler_3.6.1 rlang_0.4.10
## [49] grid_3.6.1 iterators_1.0.12 rstudioapi_0.10 rappdirs_0.3.1
## [53] igraph_1.2.4.2 labeling_0.3 rmarkdown_2.0 gtable_0.3.0
## [57] codetools_0.2-16 DBI_1.1.0 R6_2.4.1 lubridate_1.7.4
## [61] knitr_1.26 seqinr_3.6-1 KernSmooth_2.23-15 ape_5.3
## [65] stringi_1.4.3 parallel_3.6.1 kedd_1.0.3 Rcpp_1.0.3
## [69] vctrs_0.3.6 dbplyr_1.4.2 tidyselect_1.1.0 xfun_0.11
## [73] diptest_0.75-7
```