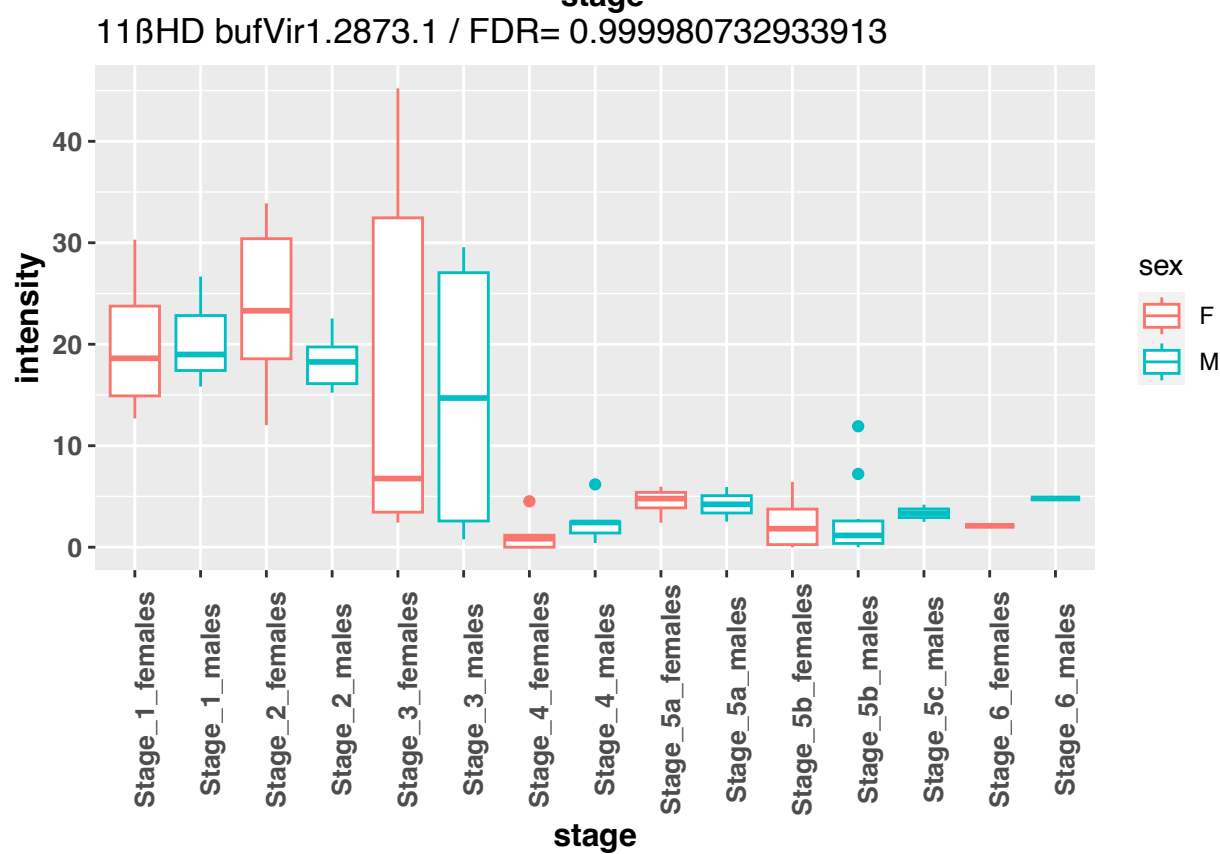
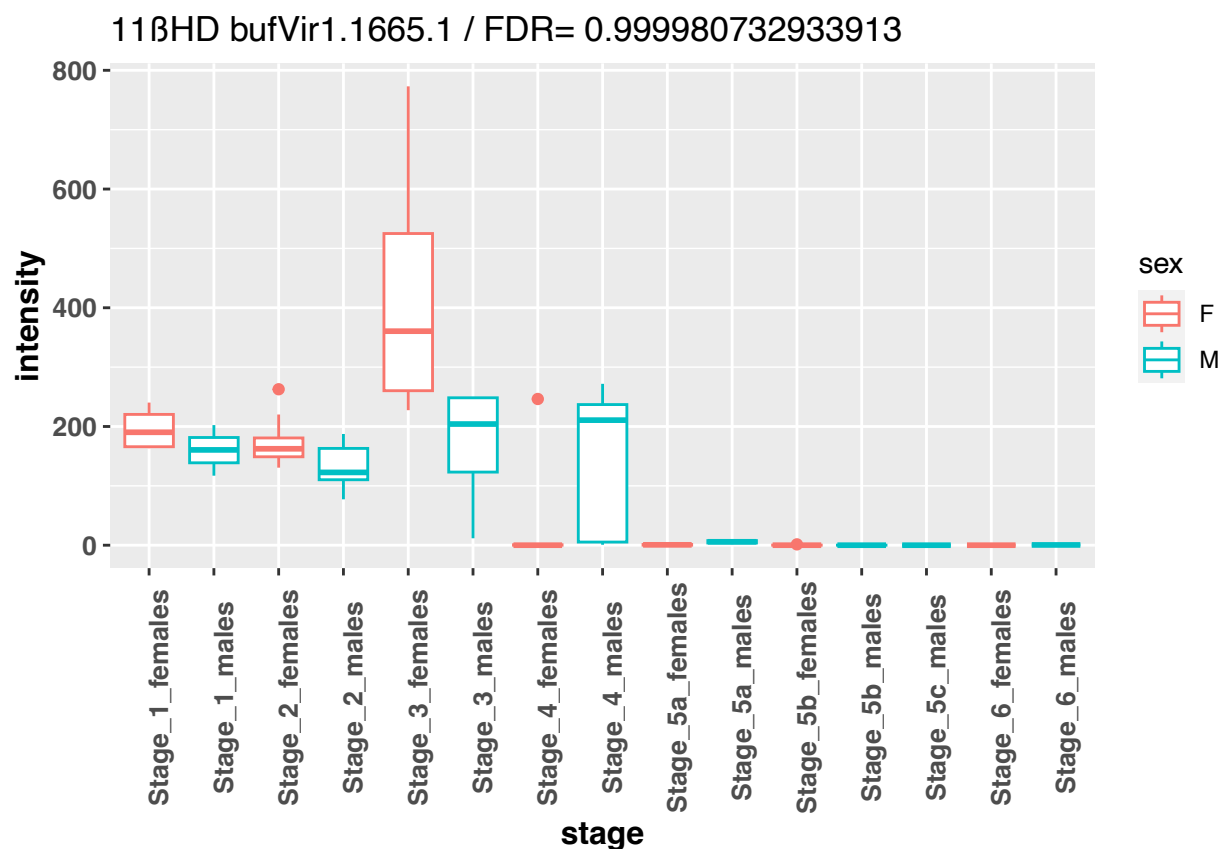


Toad Transcriptome

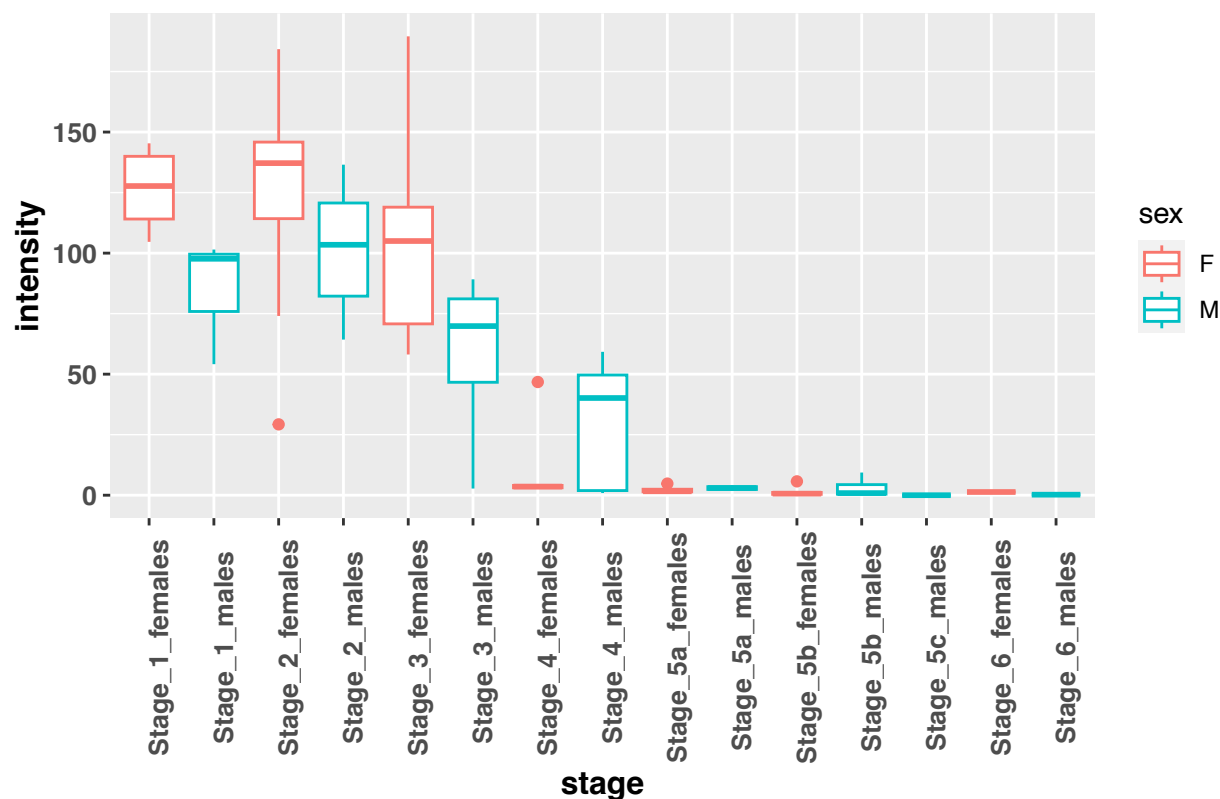
09/27/2022

Toad RNA-Seq analysis

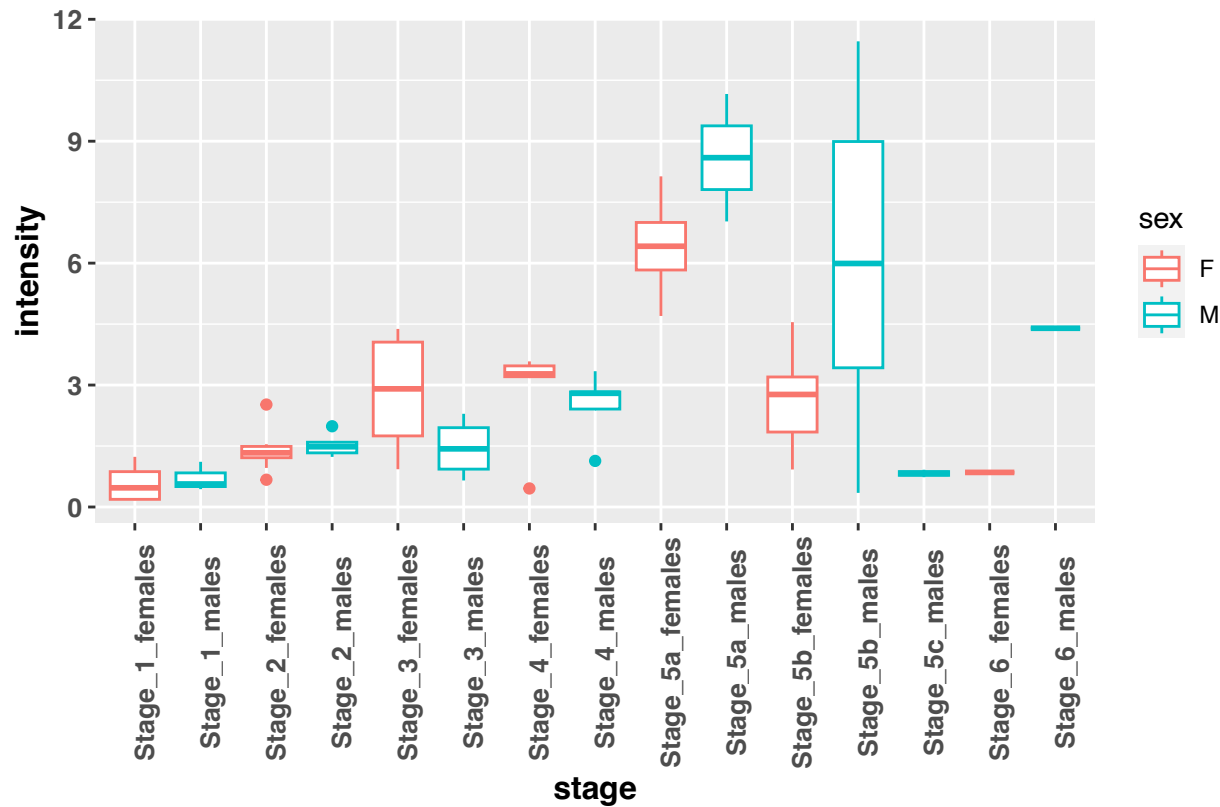
Gosner 23-24	Stage_1_females
Gosner 23-24	Stage_1_males
Gosner 27-29	Stage_2_females
Gosner 27-29	Stage_2_males
Gosner 30-33	Stage_3_females
Gosner 30-33	Stage_3_males
Gosner 34-38	Stage_4_females
Gosner 34-38	Stage_4_males
Gosner 43-44	Stage_5a_female
Gosner 43-44	Stage_5a_males
Gosner 45-46	Stage_5b_female
Gosner 45-46	Stage_5b_males
Gosner 46 (6 weeks after metamorphosis)	Stage_5c_males
adult	Stage_6_females
subadult	Stage_6_males

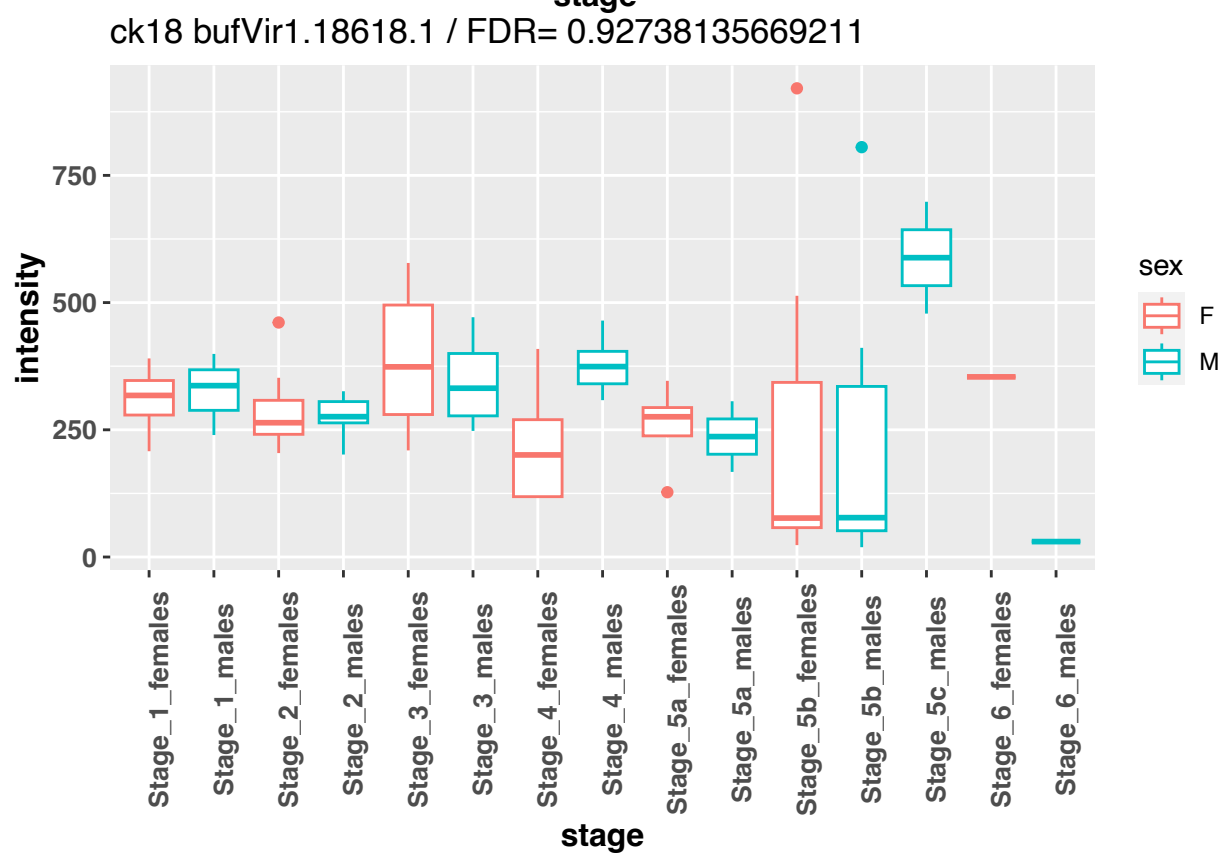
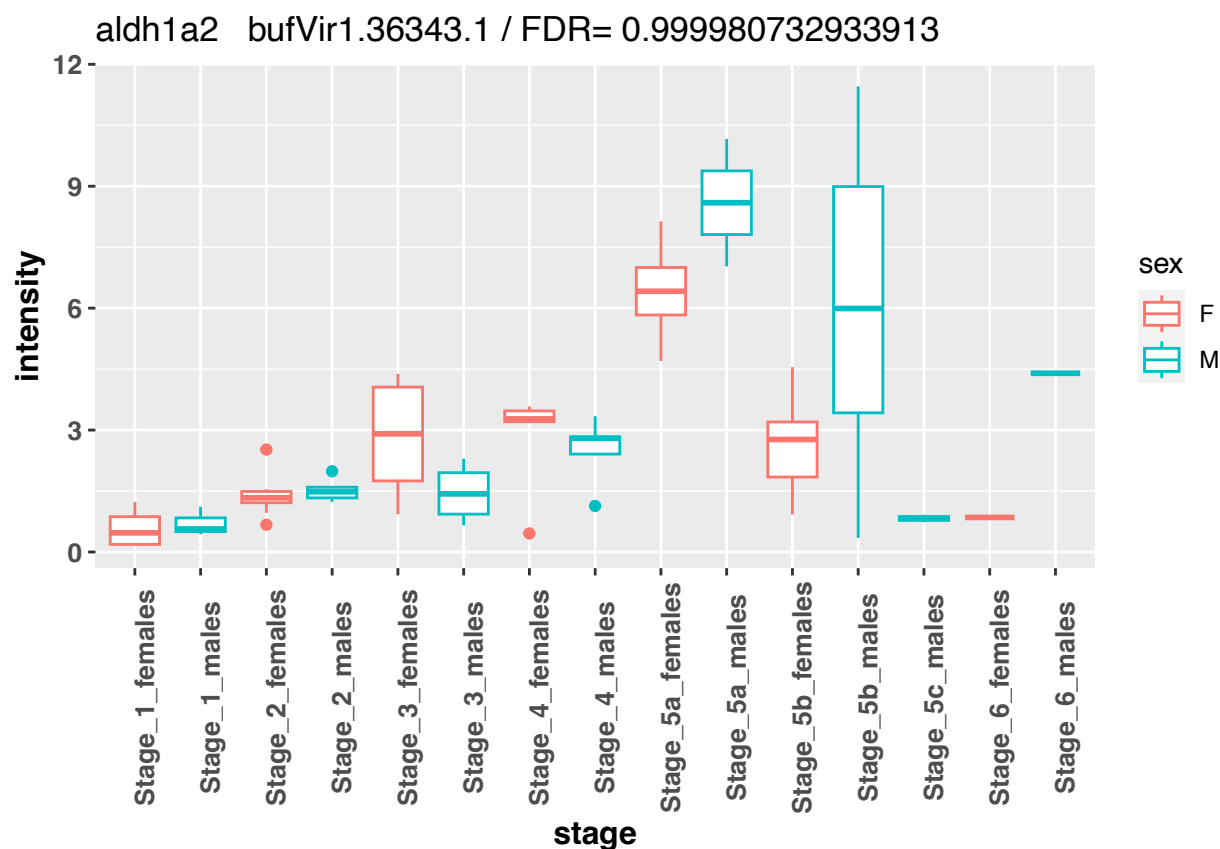


11 β HD bufVir1.16559.1 / FDR= 0.999980732933913

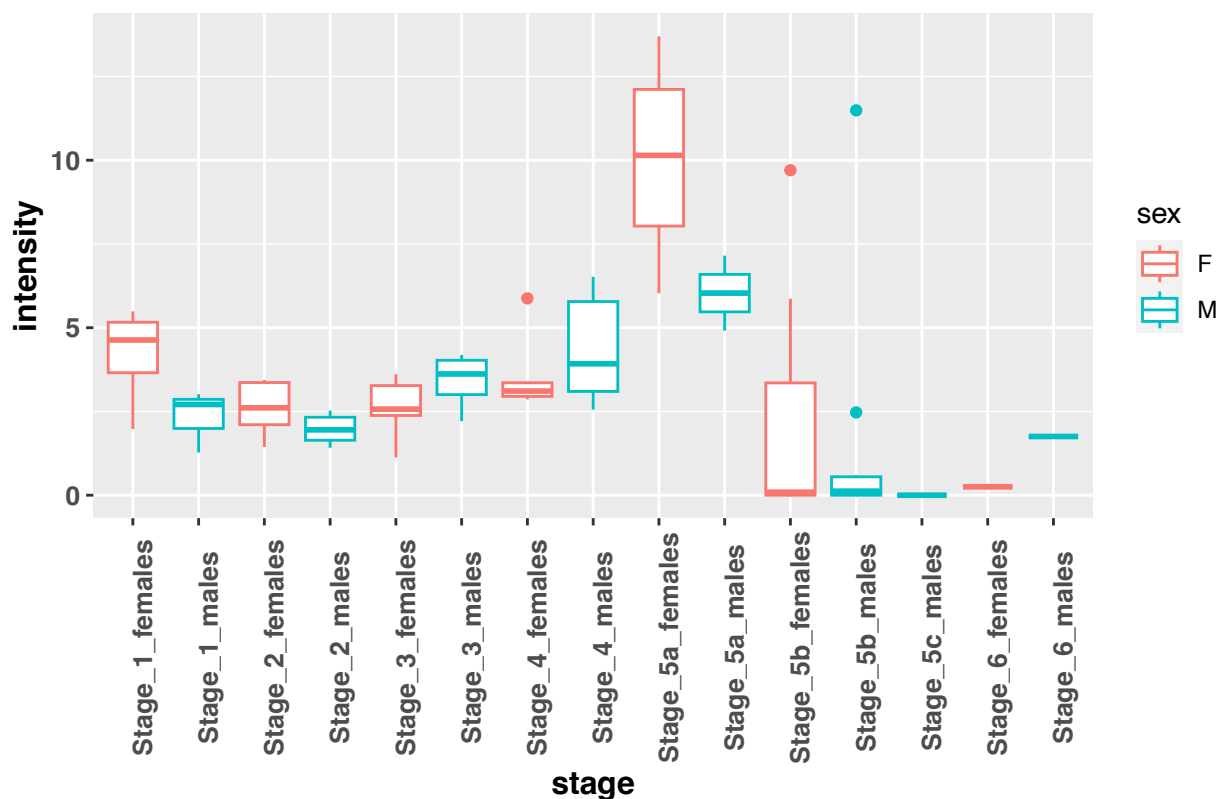


aldh1a1 bufVir1.36343.1 / FDR= 0.999980732933913

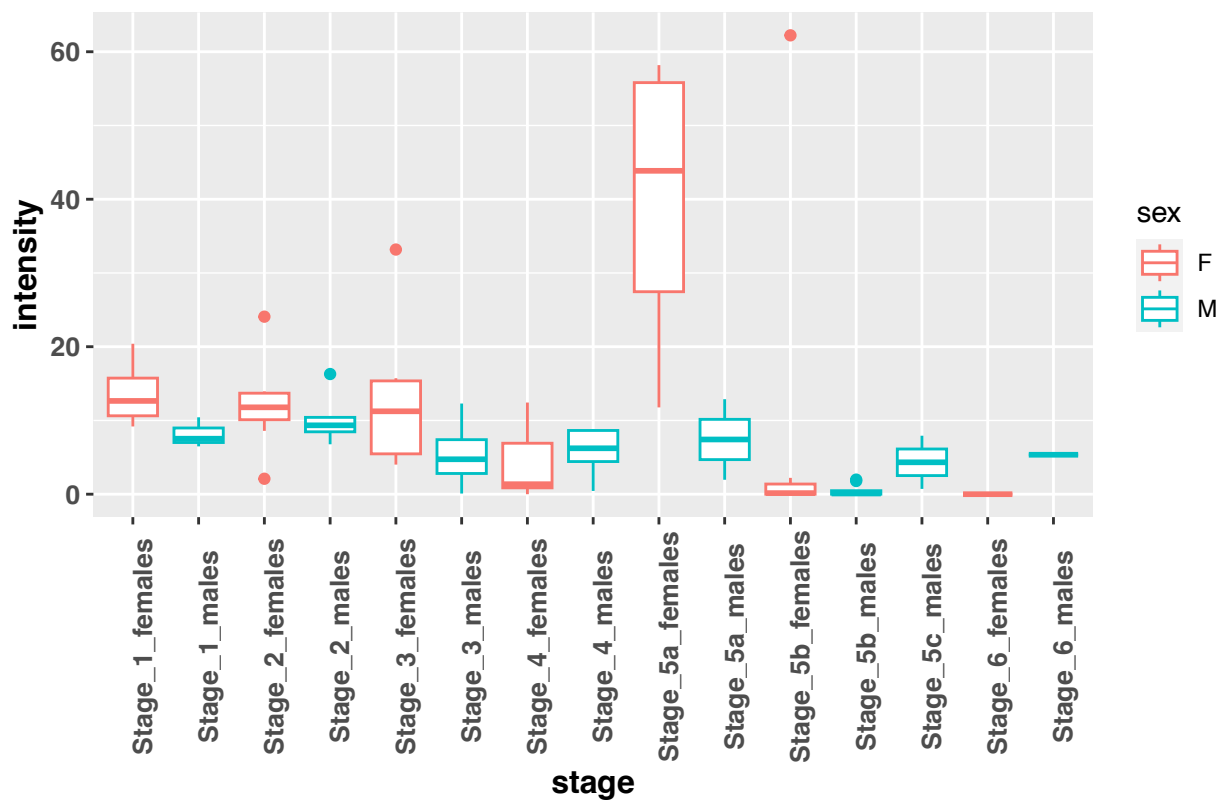




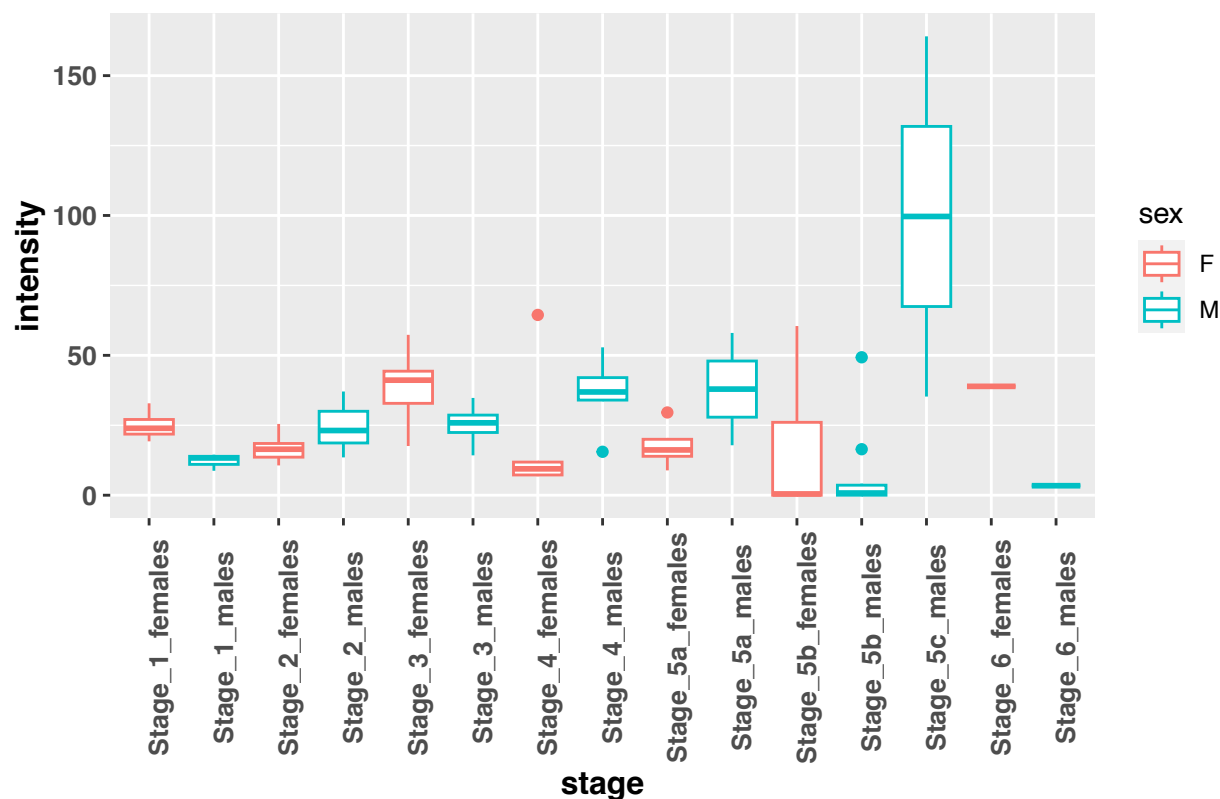
ck18 bufVir1.29914.1 / FDR= 0.852615236840319



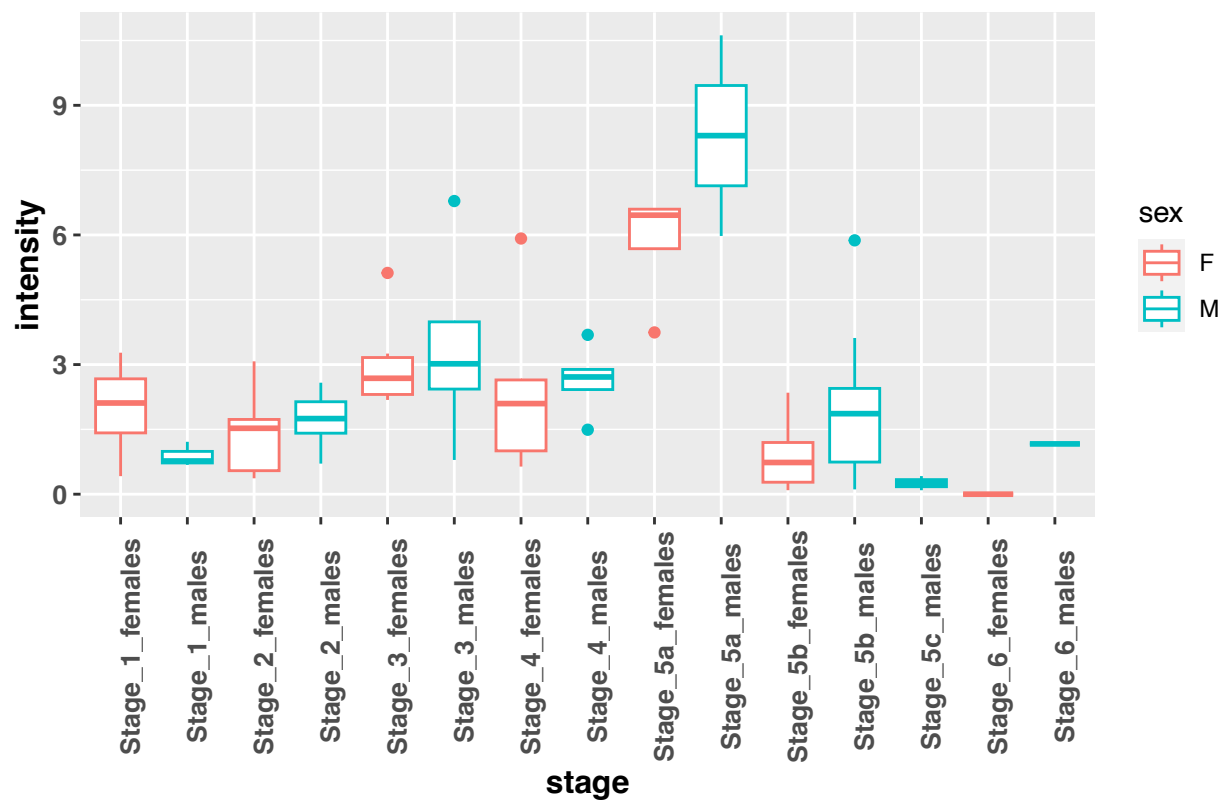
ck18 bufVir1.33037.1 / FDR= 0.563765599999175



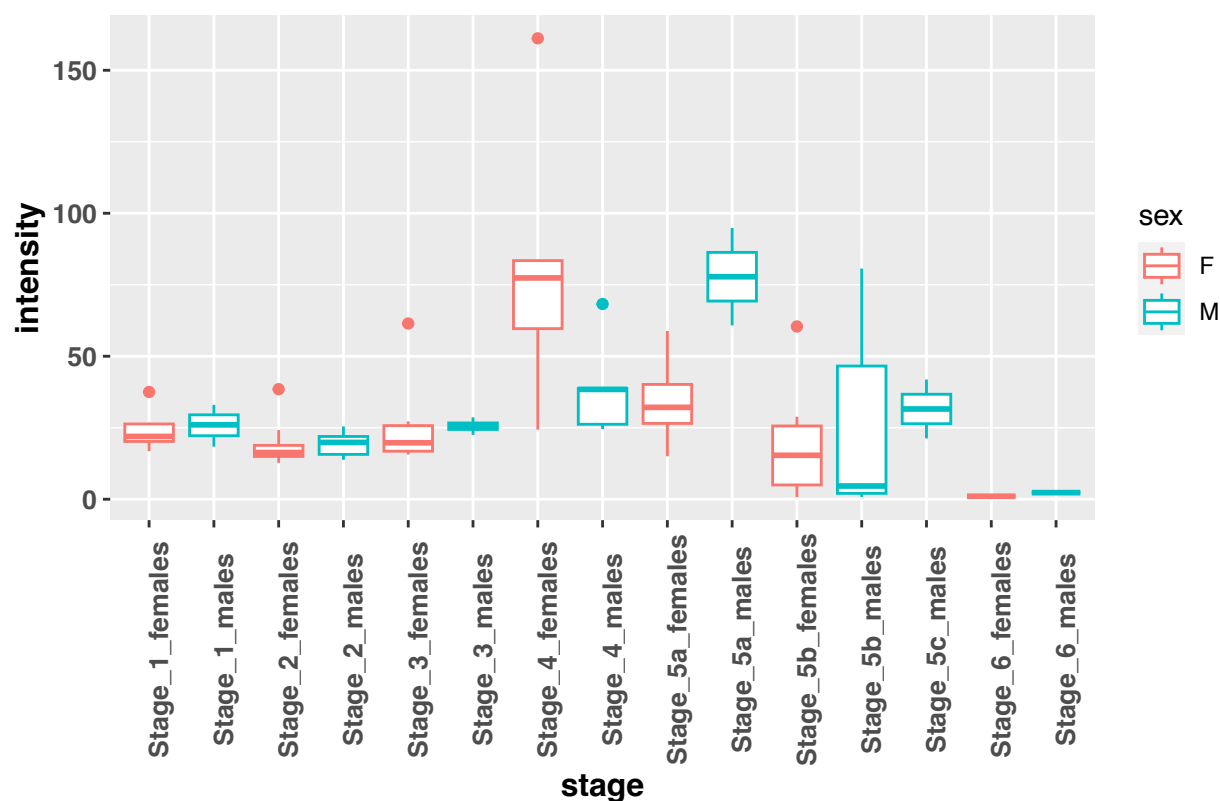
ck18 bufVir1.36583.1 / FDR= 0.999980732933913



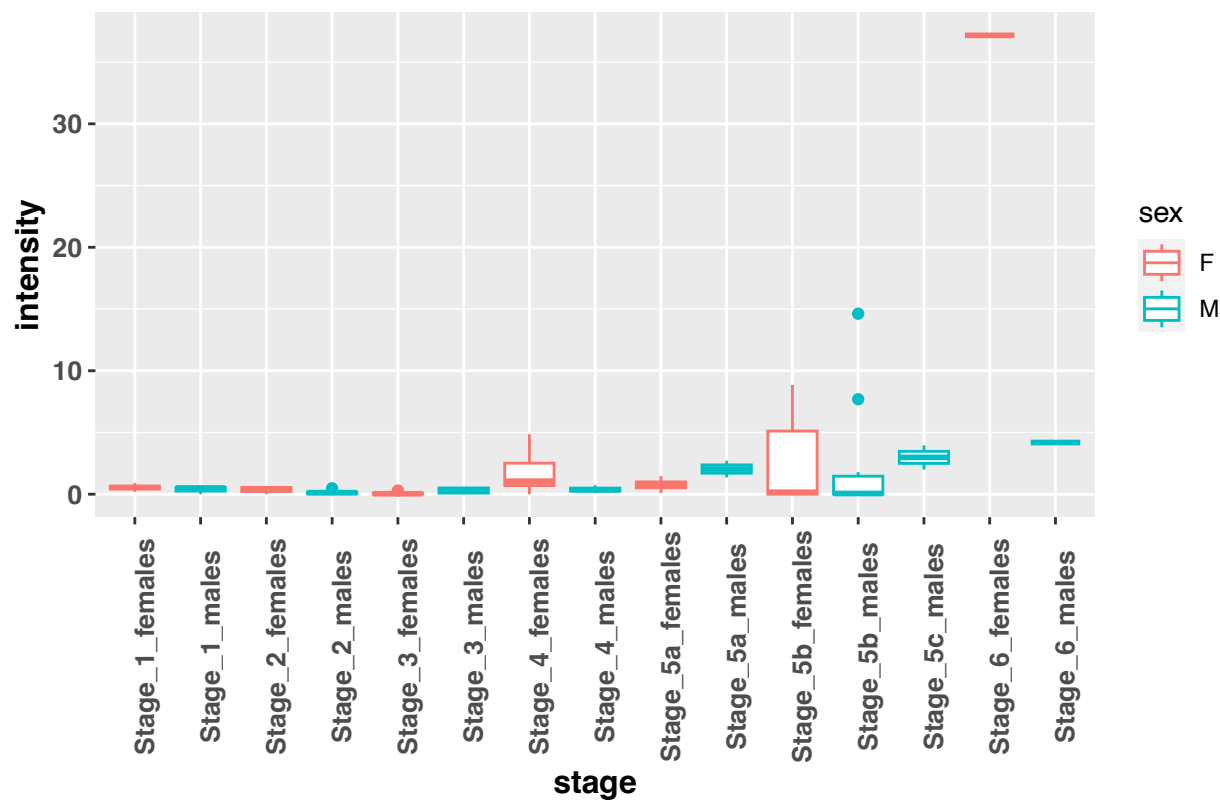
cxcl12a bufVir1.29348.1 / FDR= 0.999980732933913



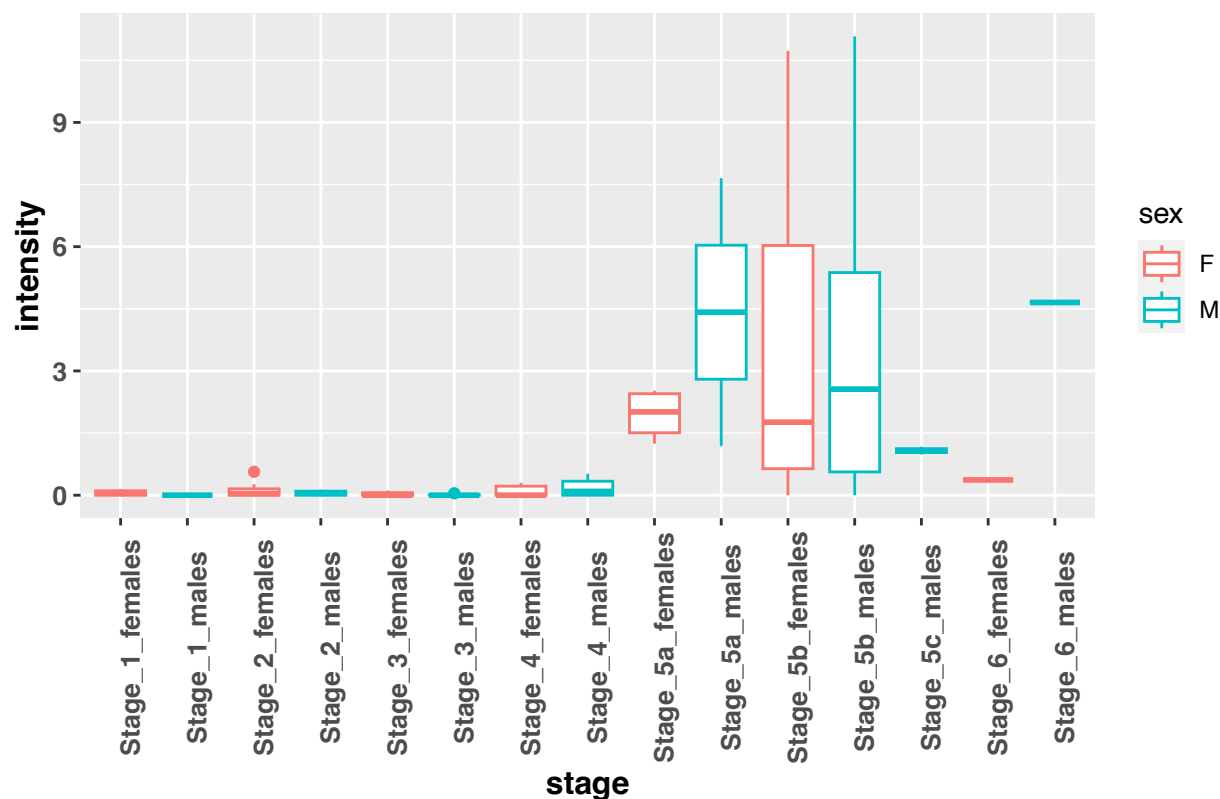
cxcr4a bufVir1.32945.1 / FDR= 0.999980732933913



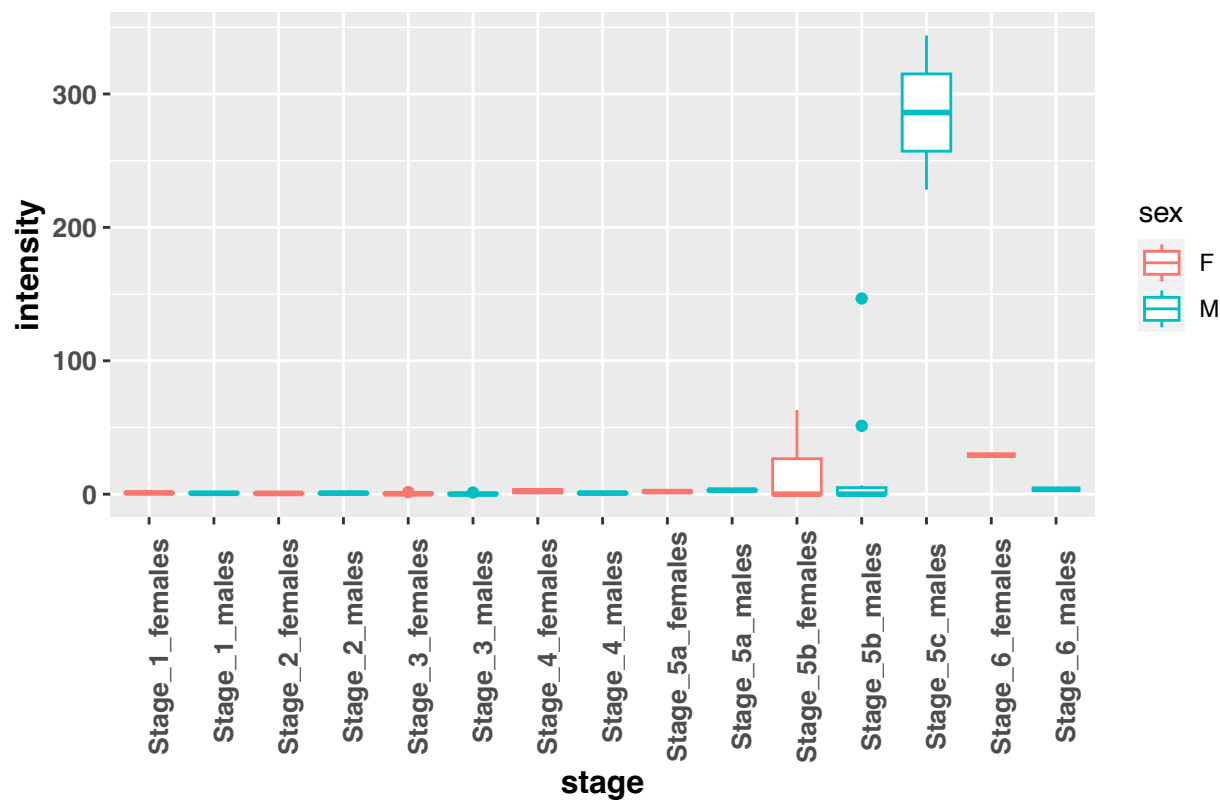
cyp19a1a bufVir1.10163.1 / FDR= 0.582560791210867

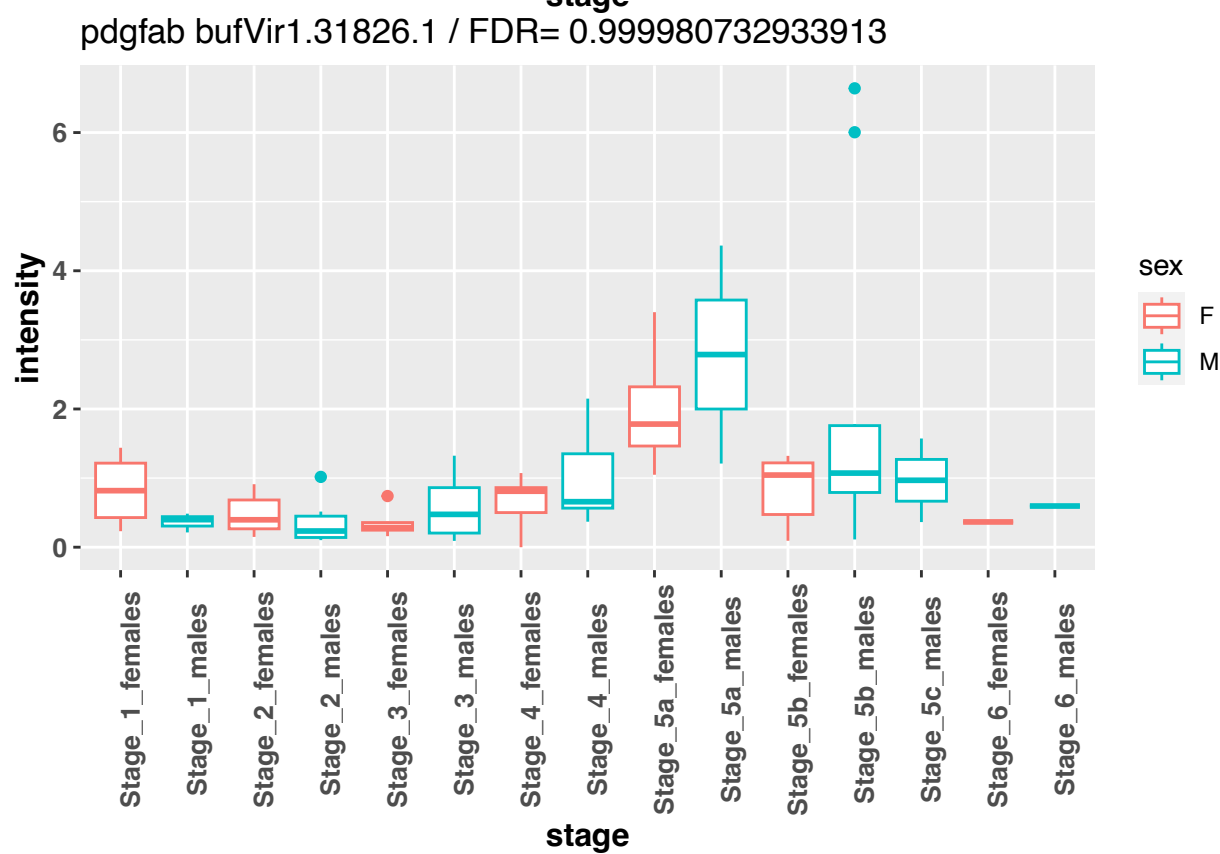
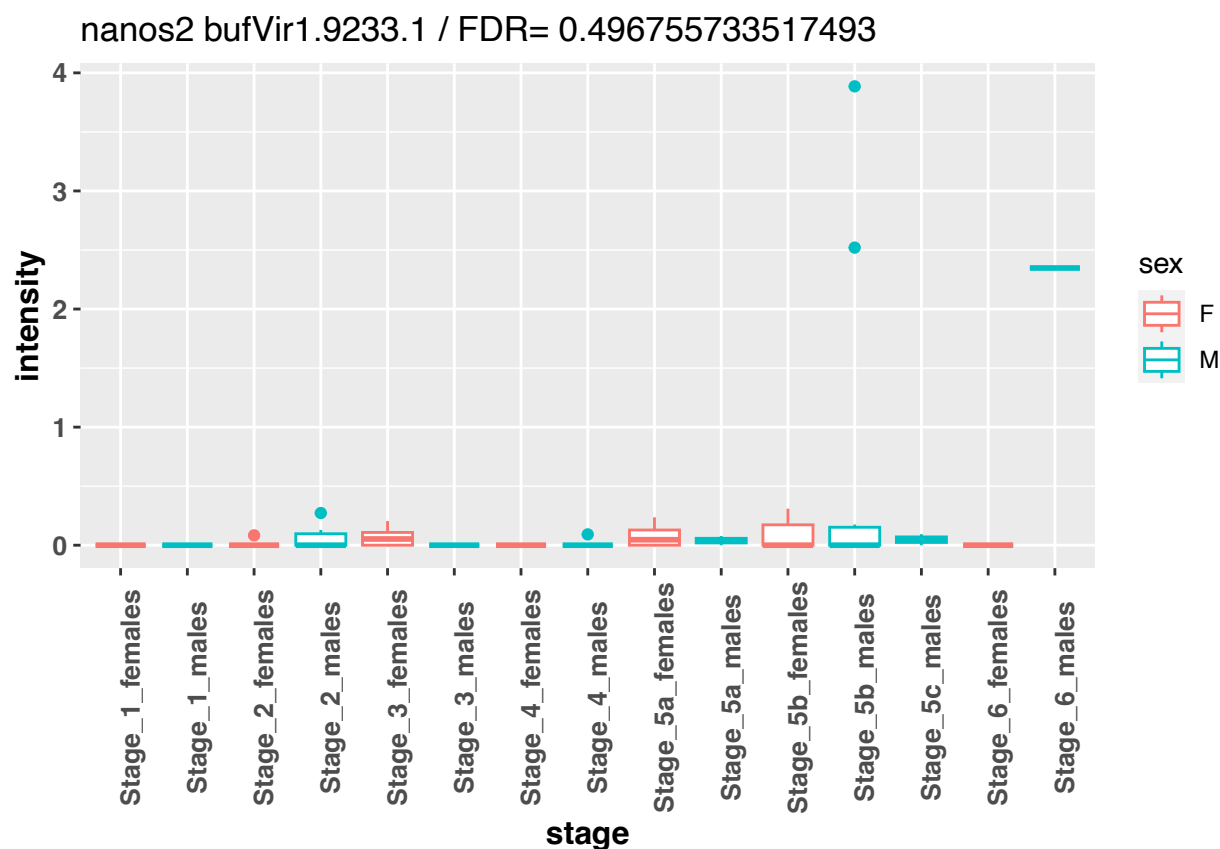


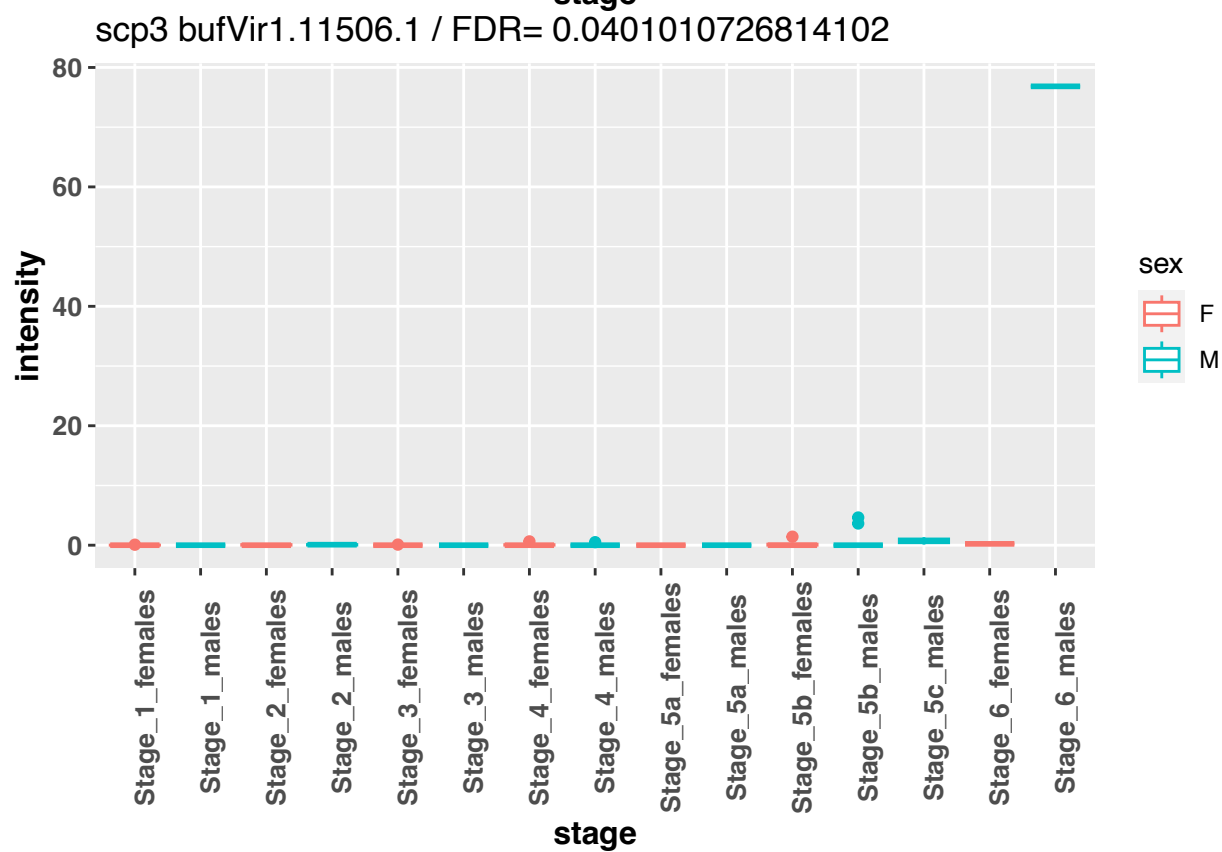
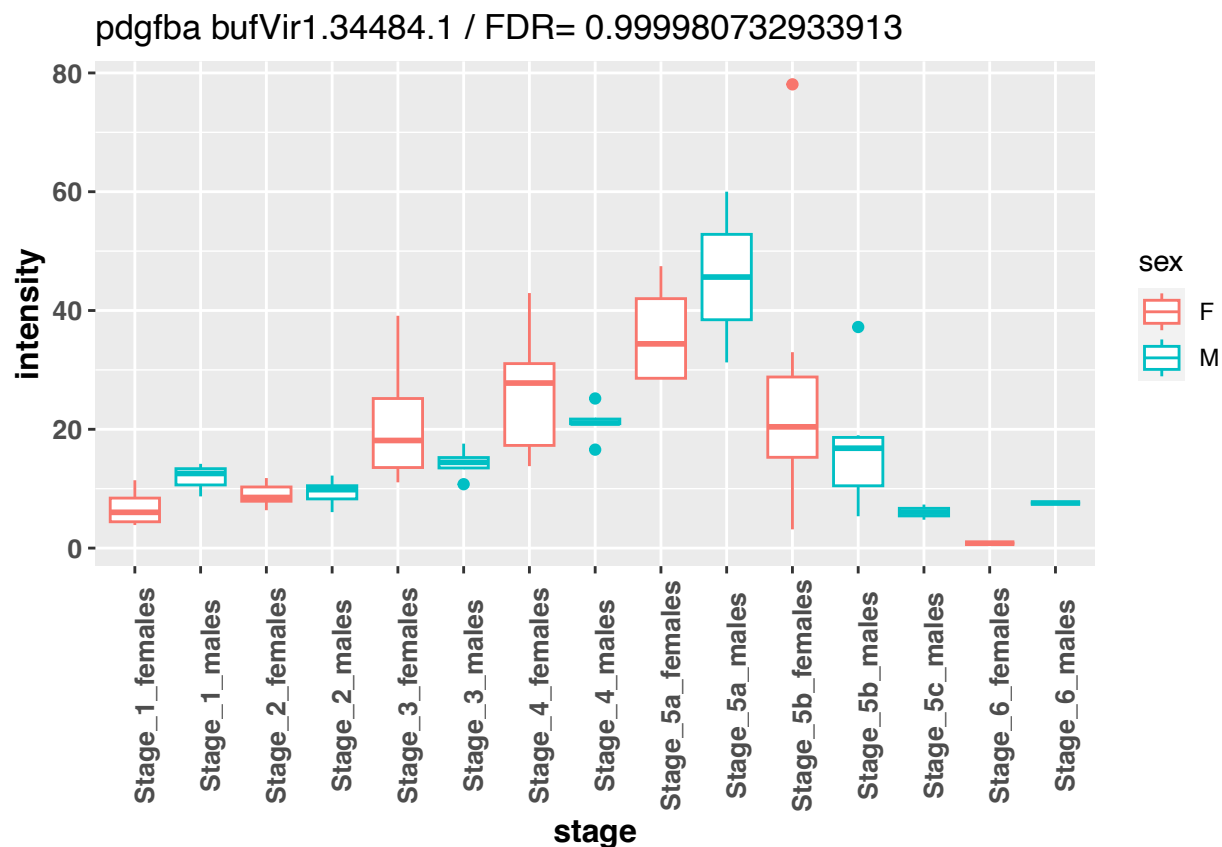
esr1a bufVir1.22859.1 / FDR= 0.985874364141681



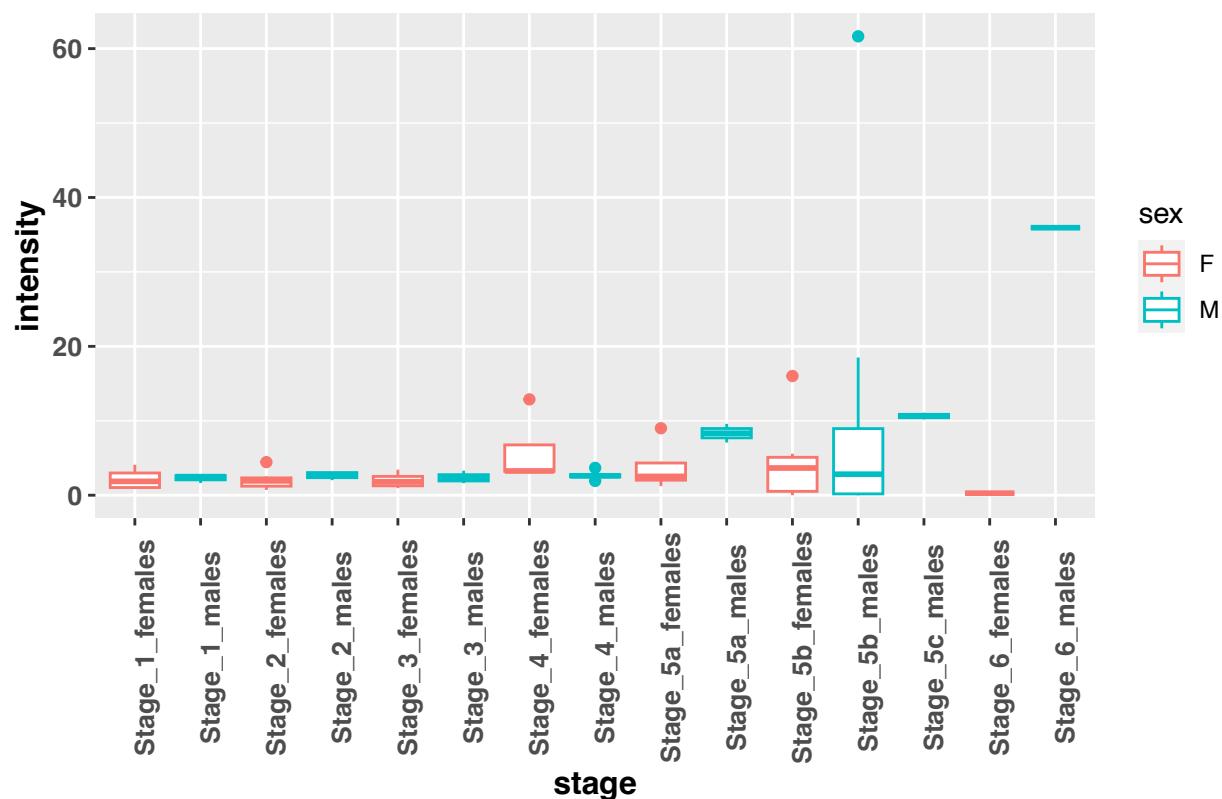
fgf20a bufVir1.4591.1 / FDR= 0.404280383336283



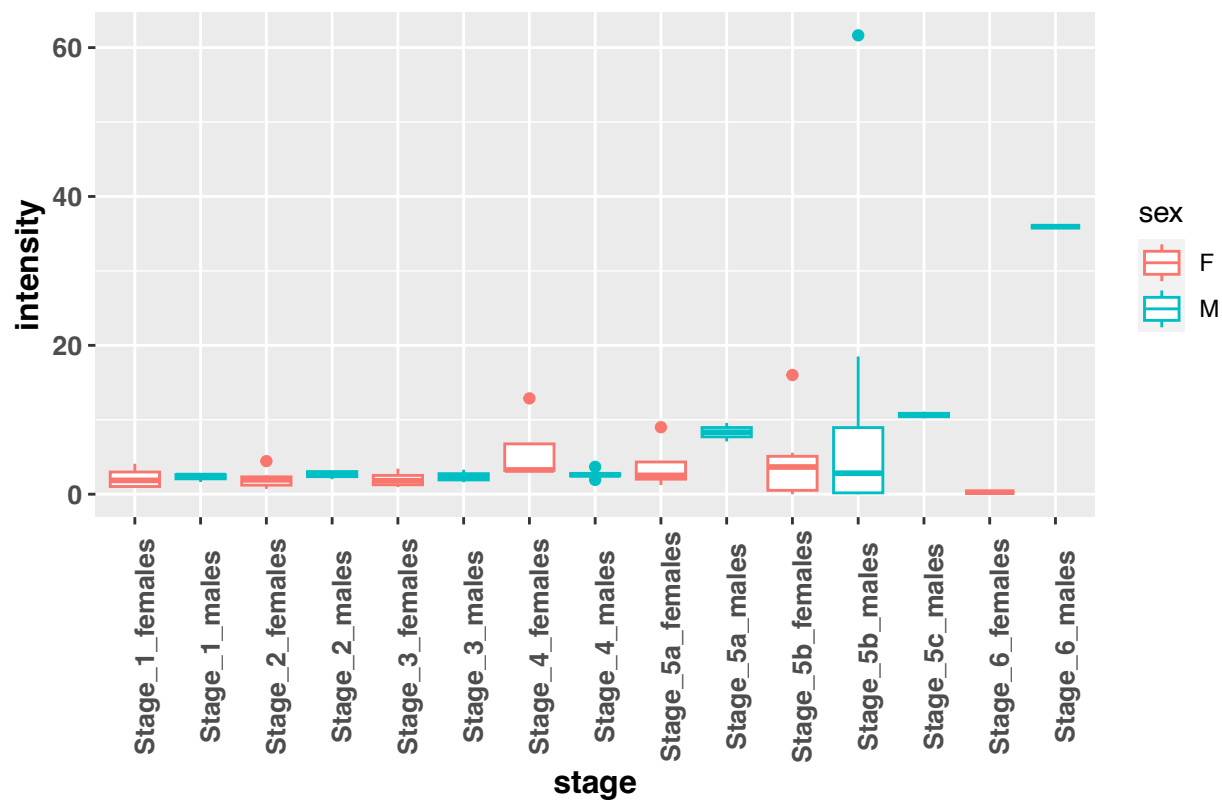




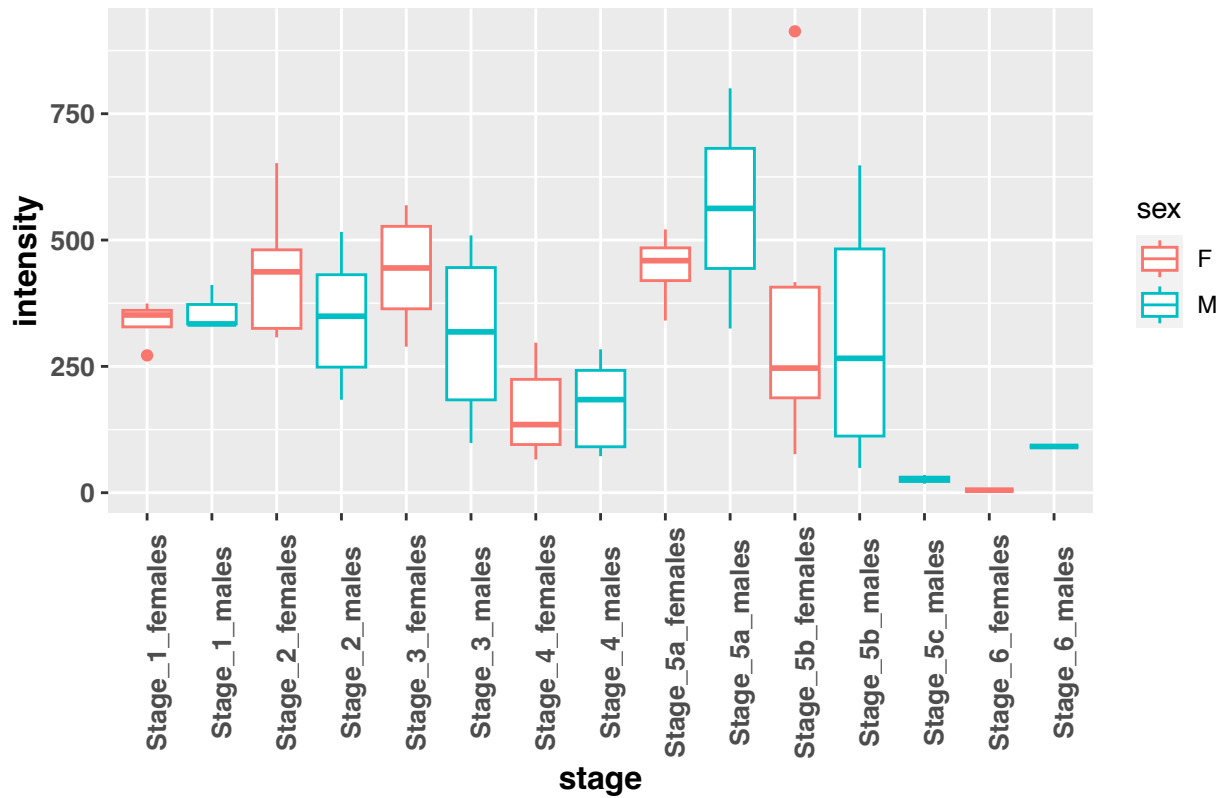
wt1a bufVir1.5792.1 / FDR= 0.472064113599434



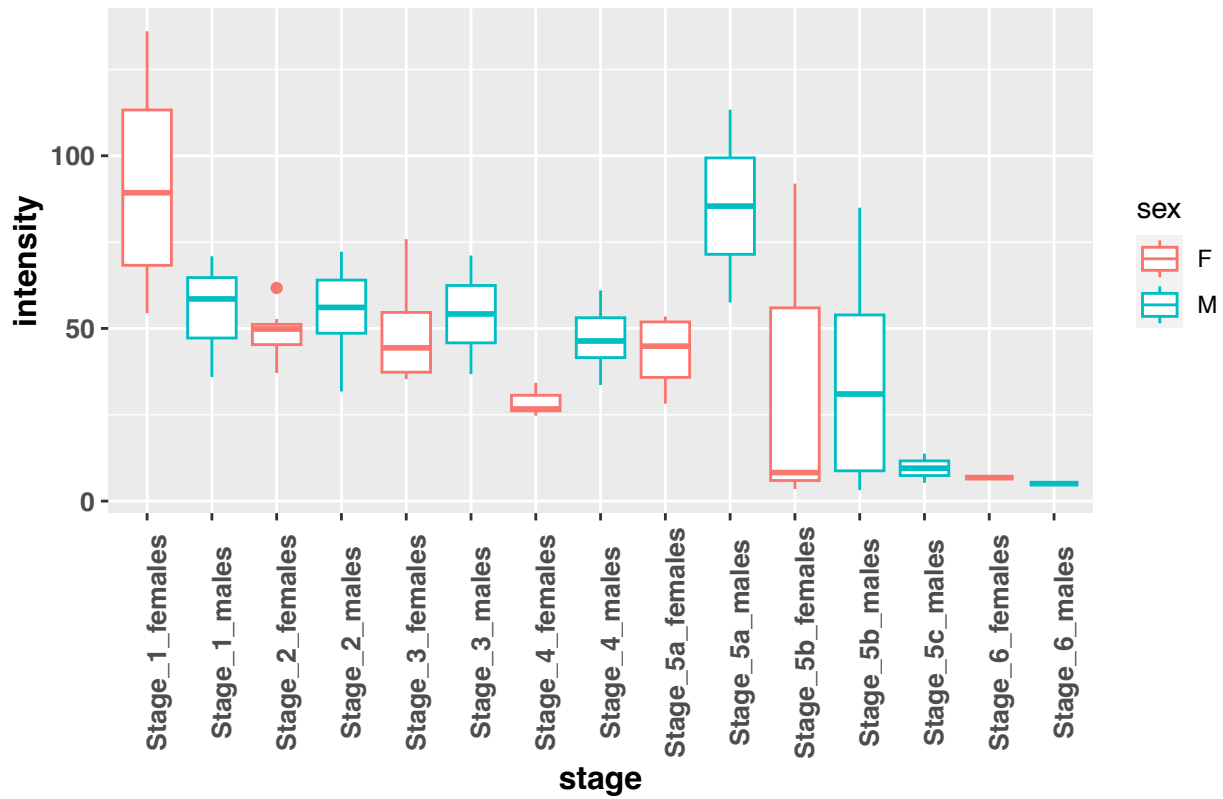
wt1b bufVir1.5792.1 / FDR= 0.472064113599434



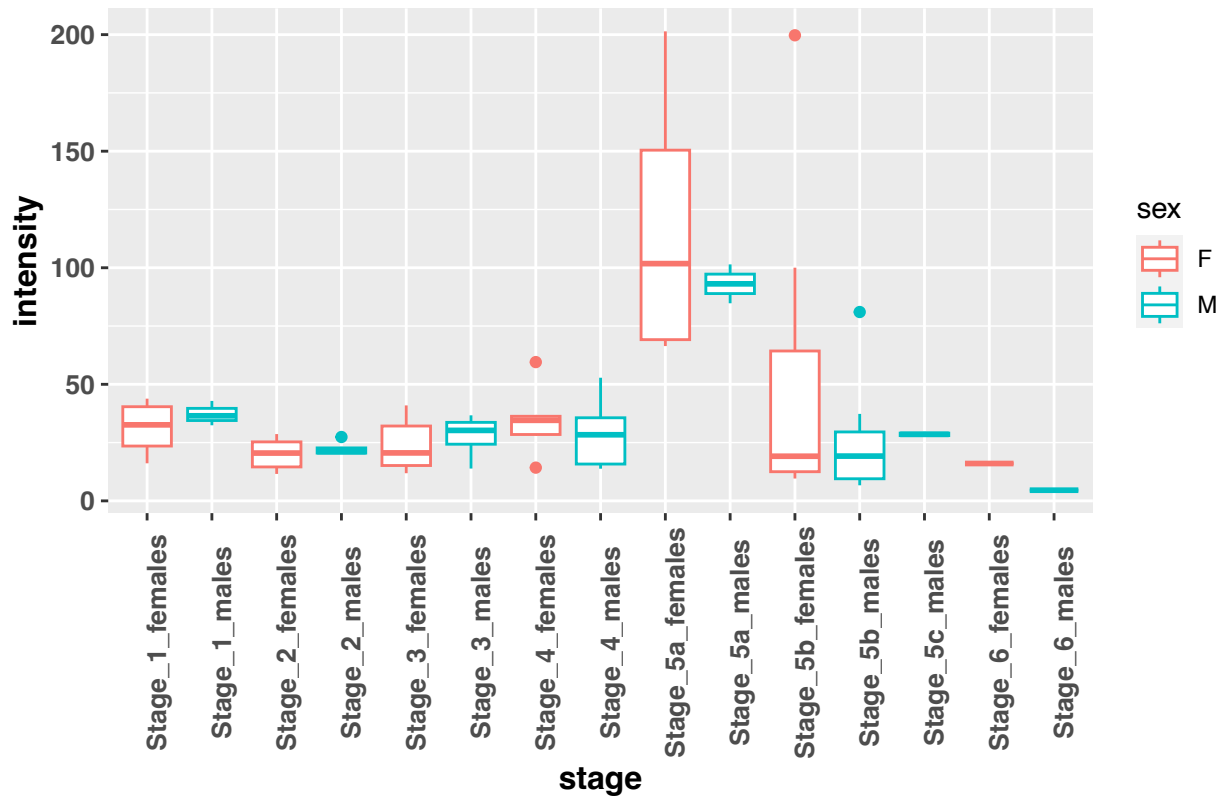
ALDH1A1 bufVir1.2328.1 / FDR= 0.999980732933913



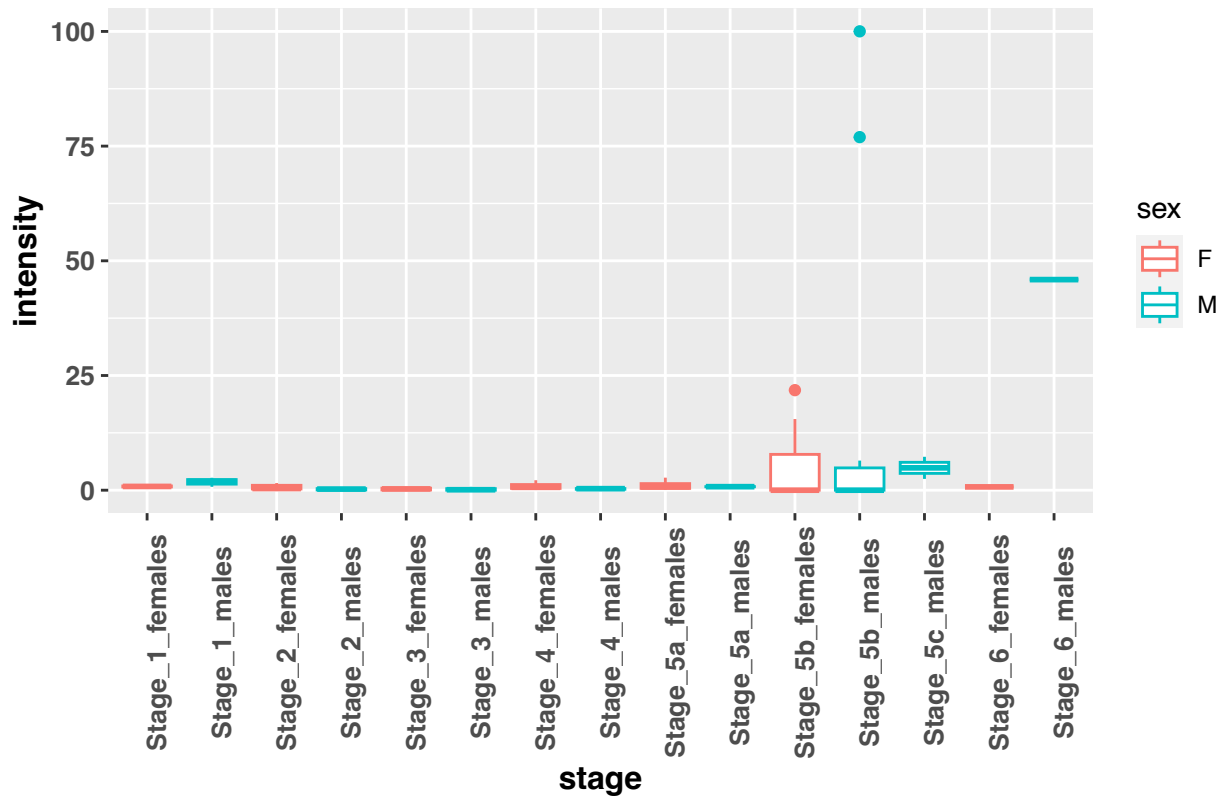
ALDH1A2 bufVir1.10217.1 / FDR= 0.999980732933913

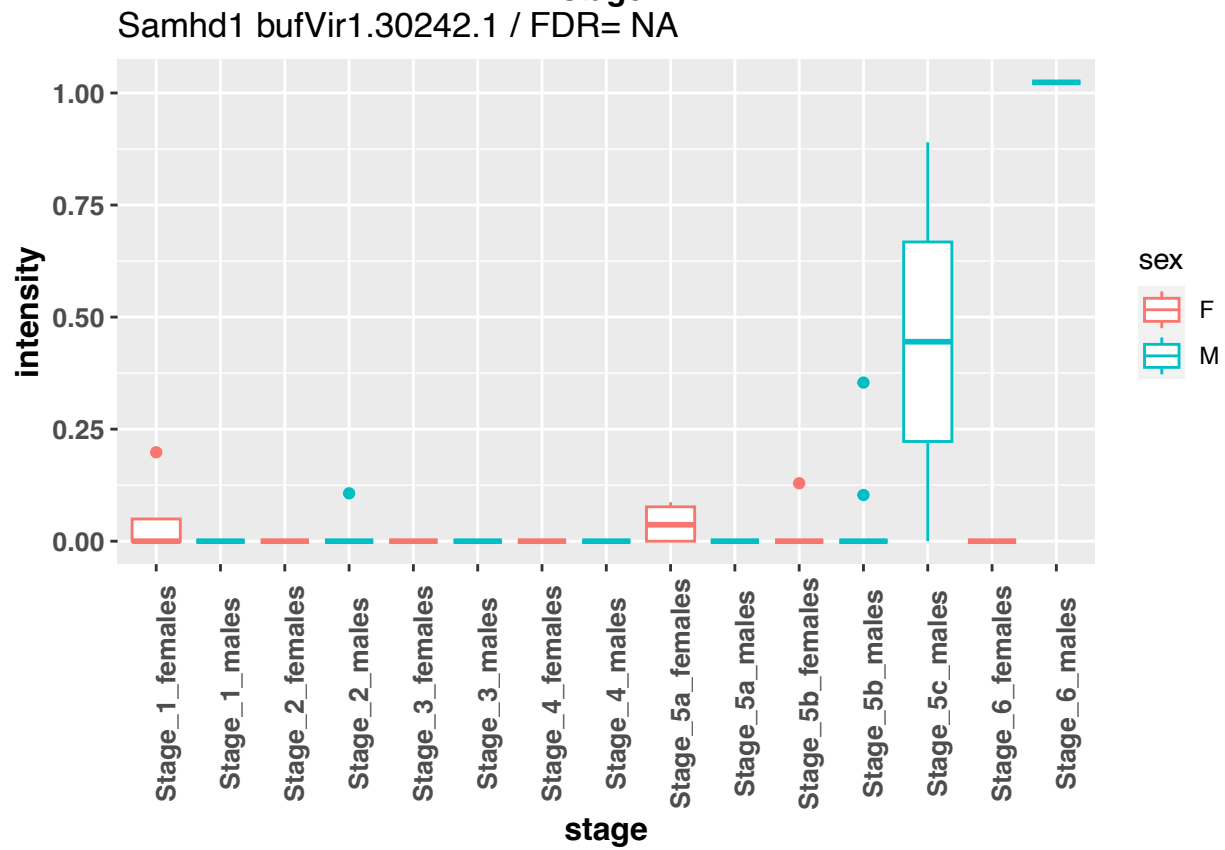
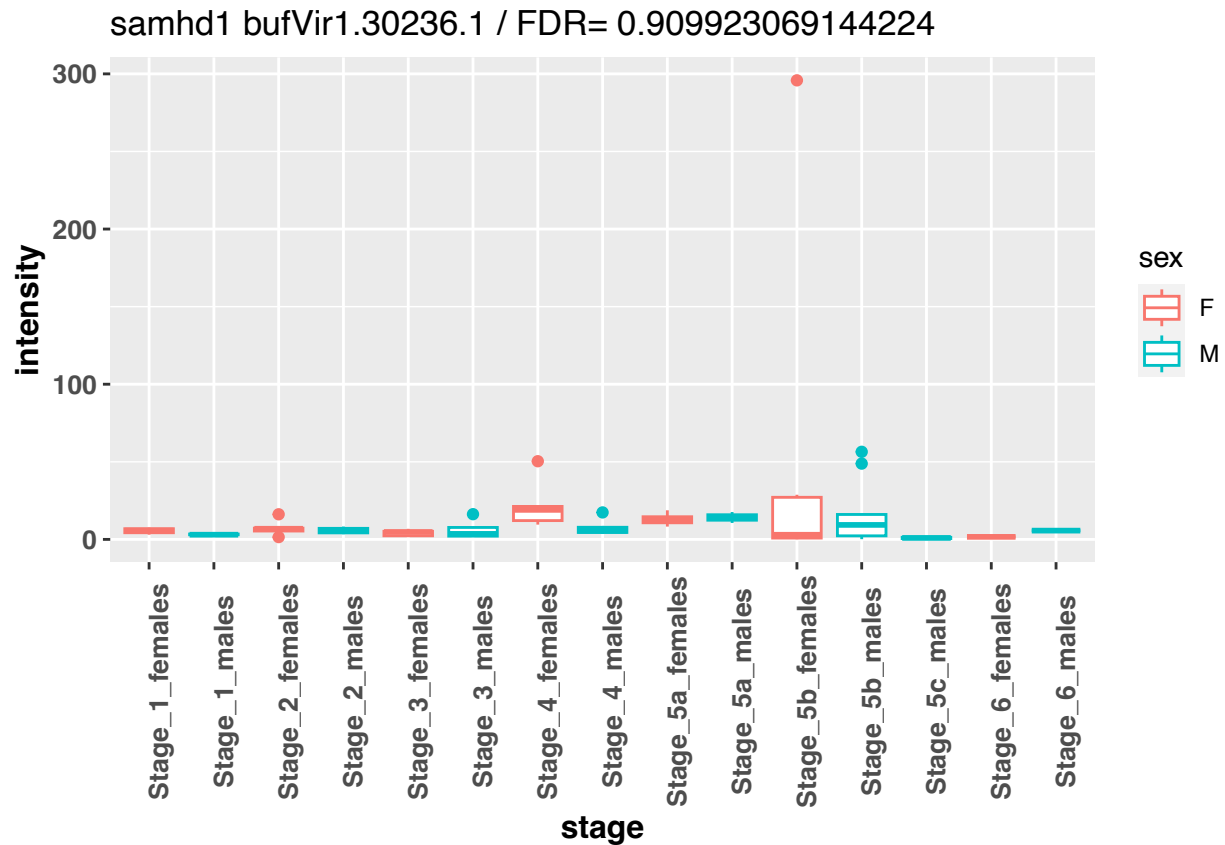


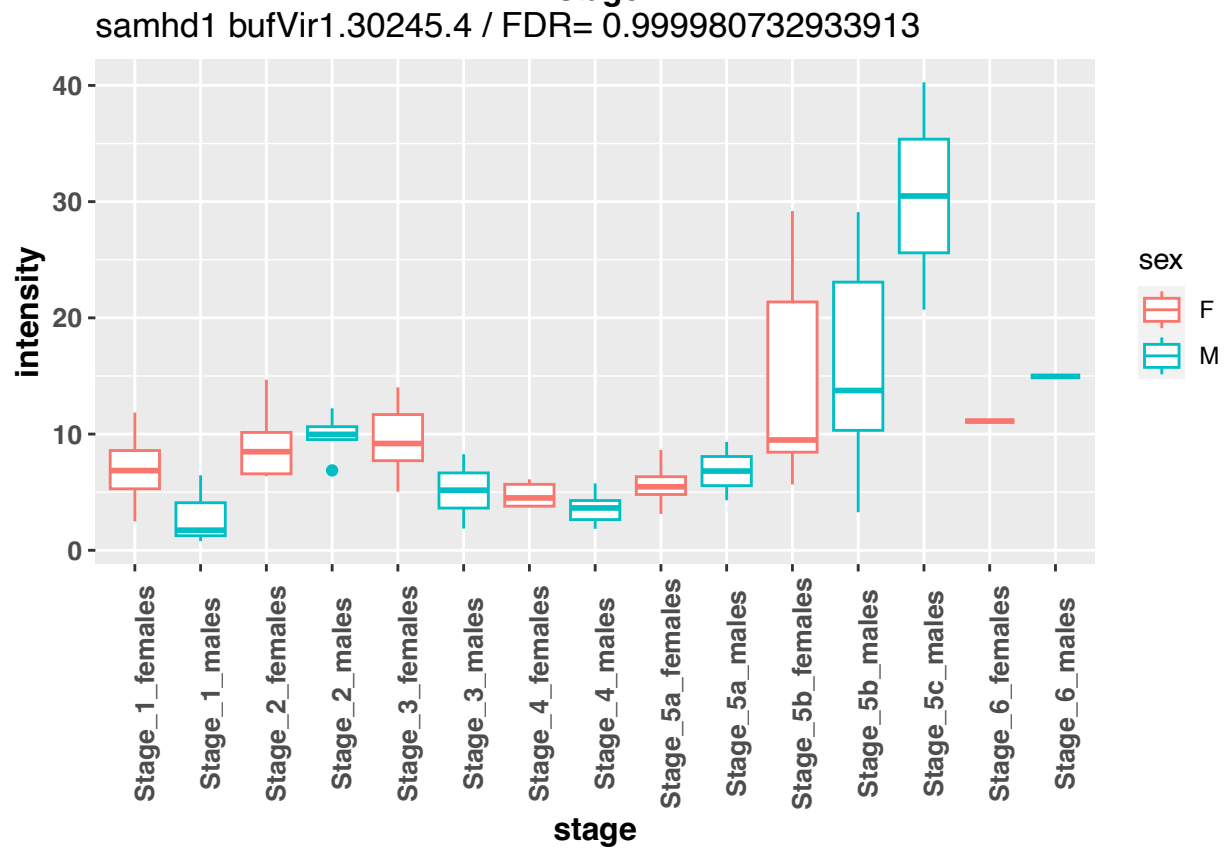
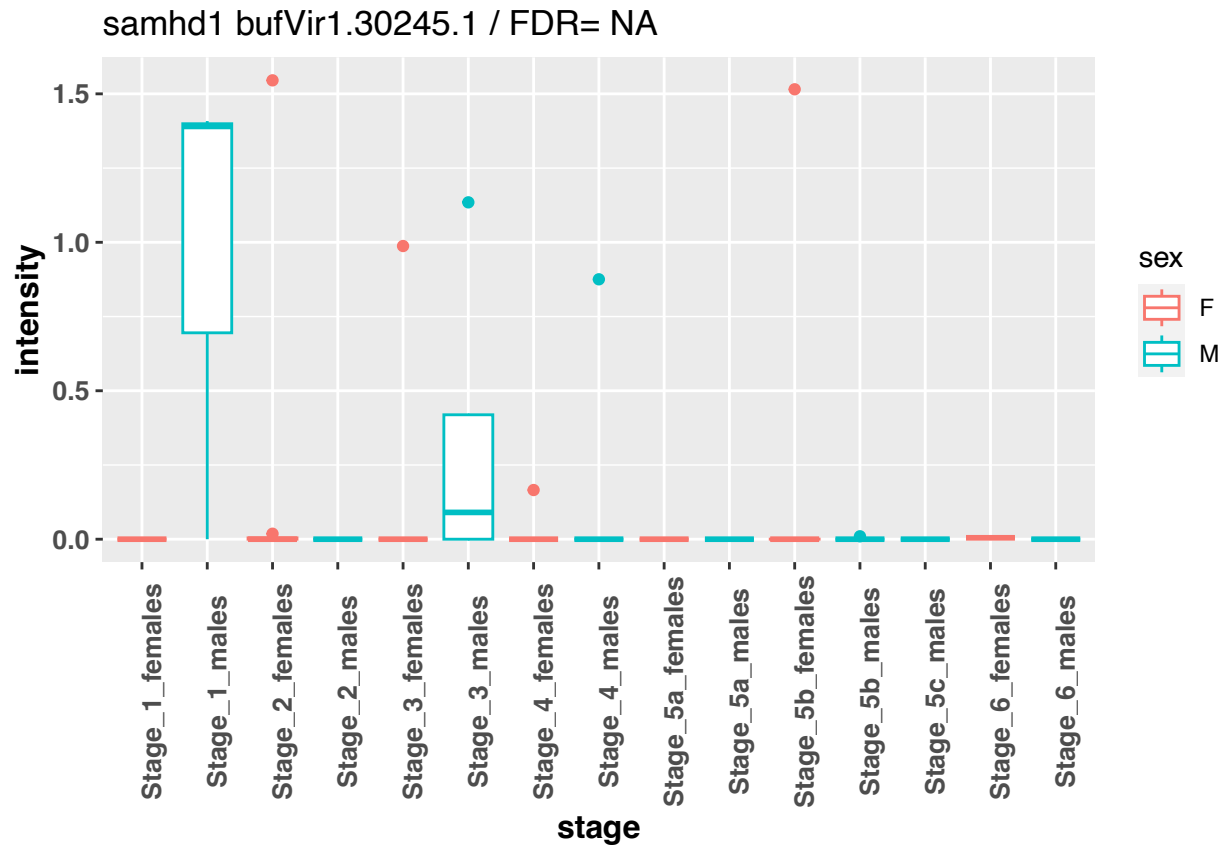
ALDH1A3 bufVir1.9825.1 / FDR= 0.910122940488647



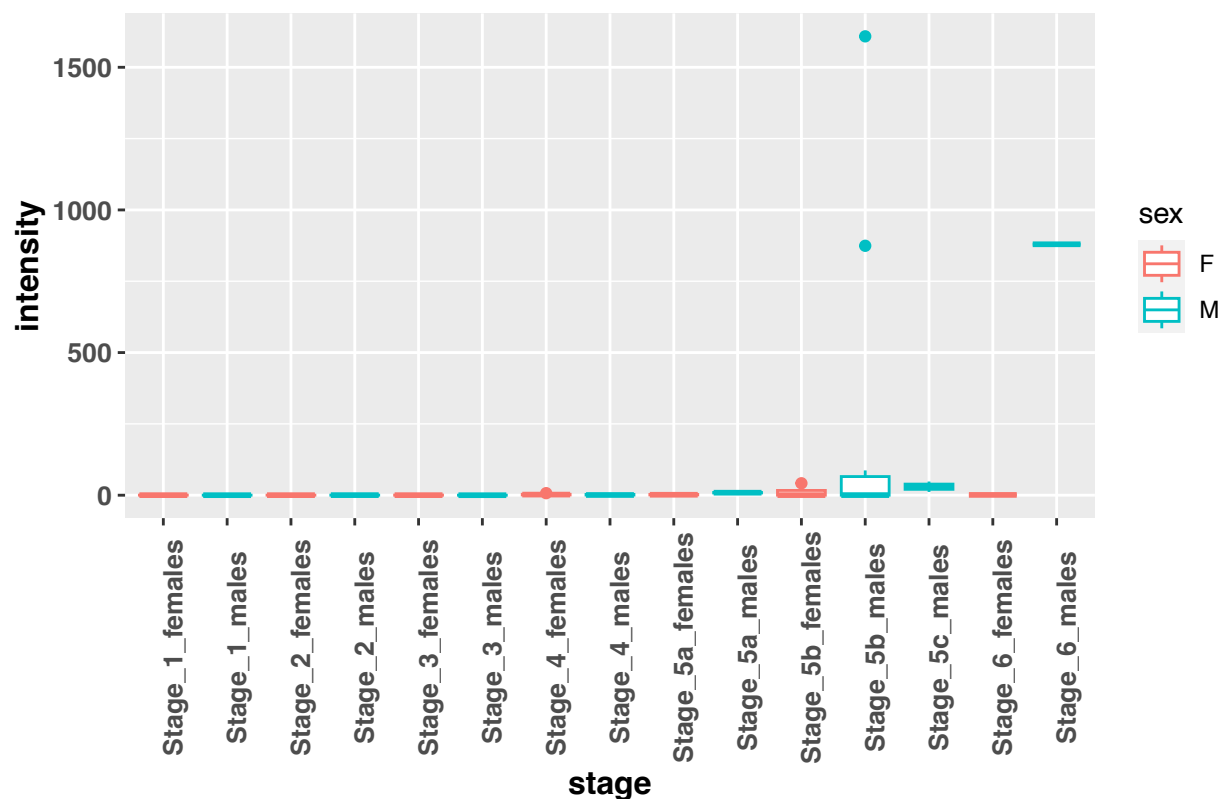
amhr2 bufVir1.18642.1 / FDR= 0.242544521209218



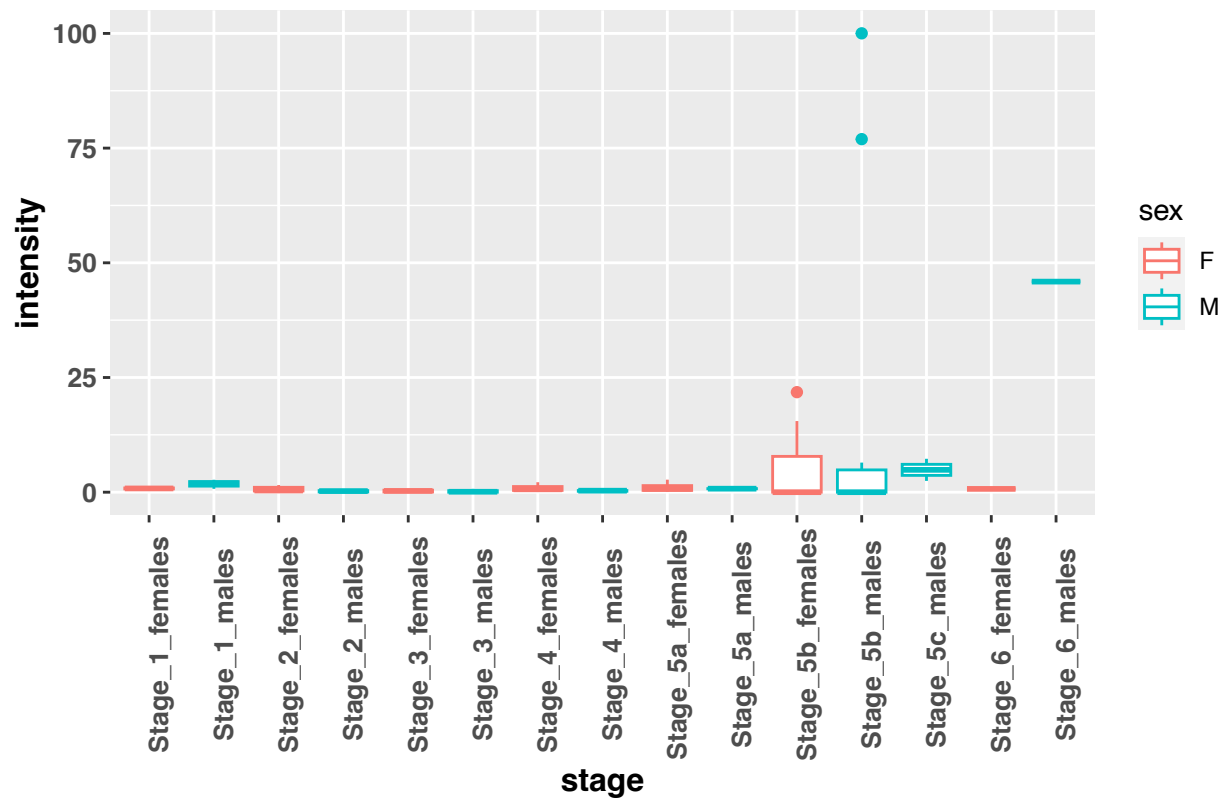




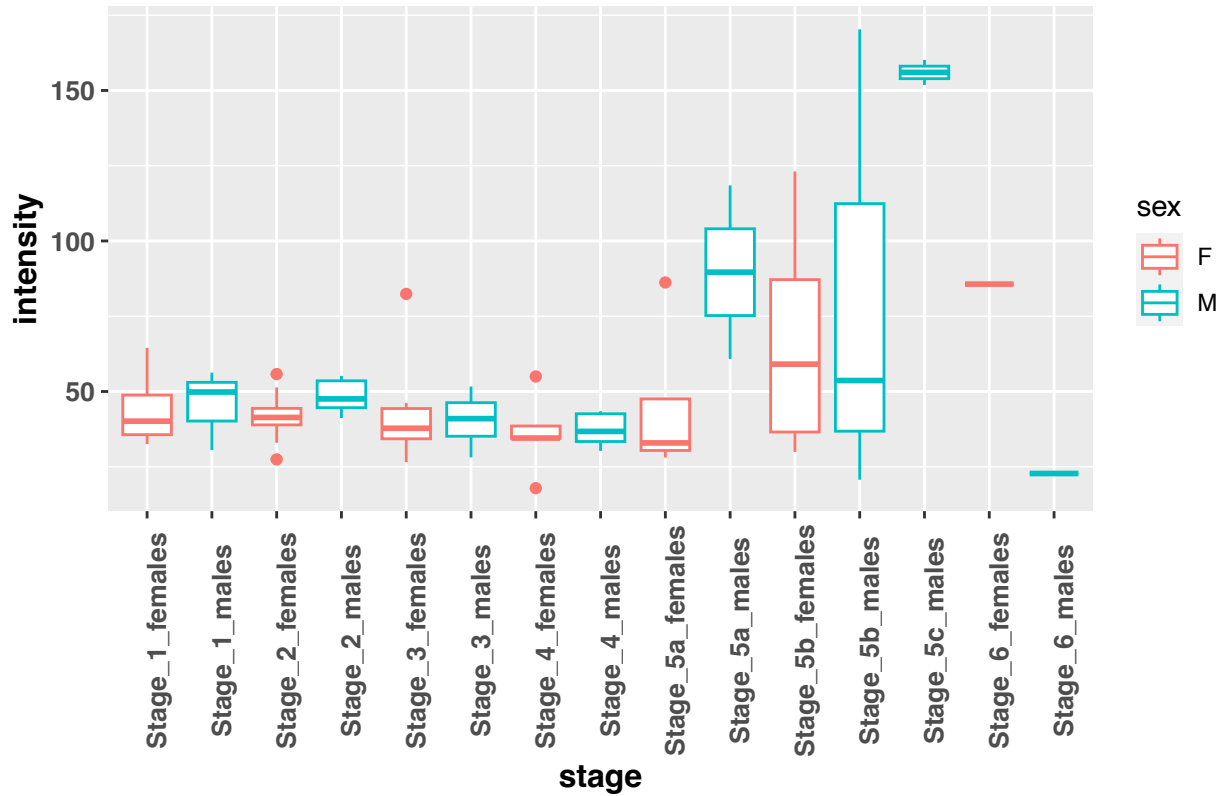
AMH bufVir1.3075.1 / FDR= 1.5083244386894e-05



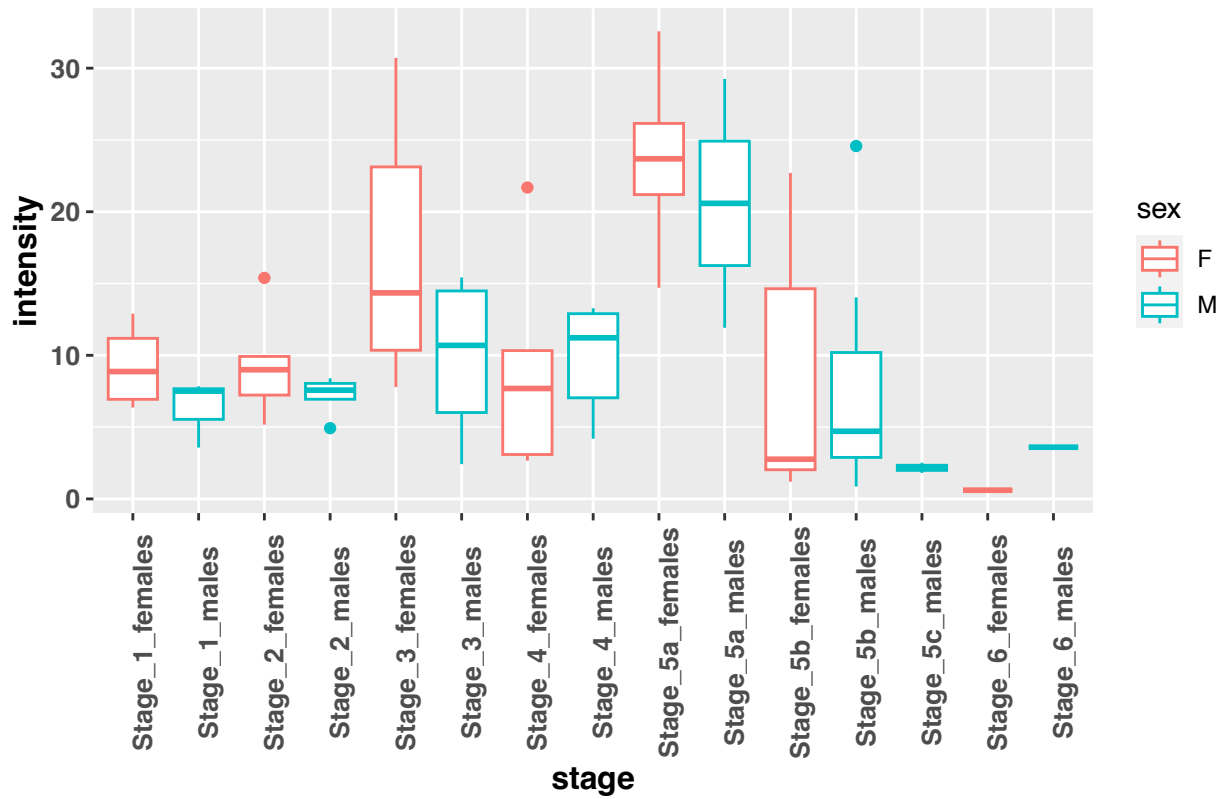
amhr2 bufVir1.18642.1 / FDR= 0.242544521209218



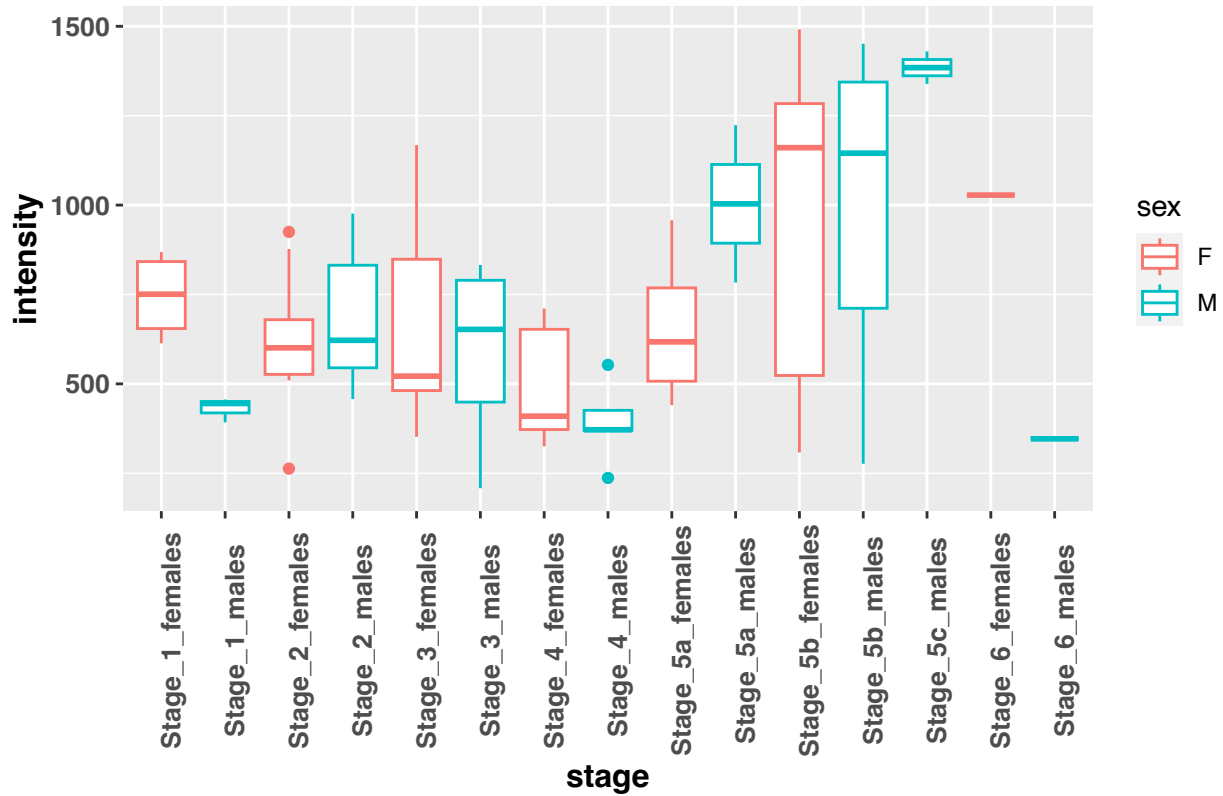
BMPR1A bufVir1.29563.1 / FDR= 0.999980732933913



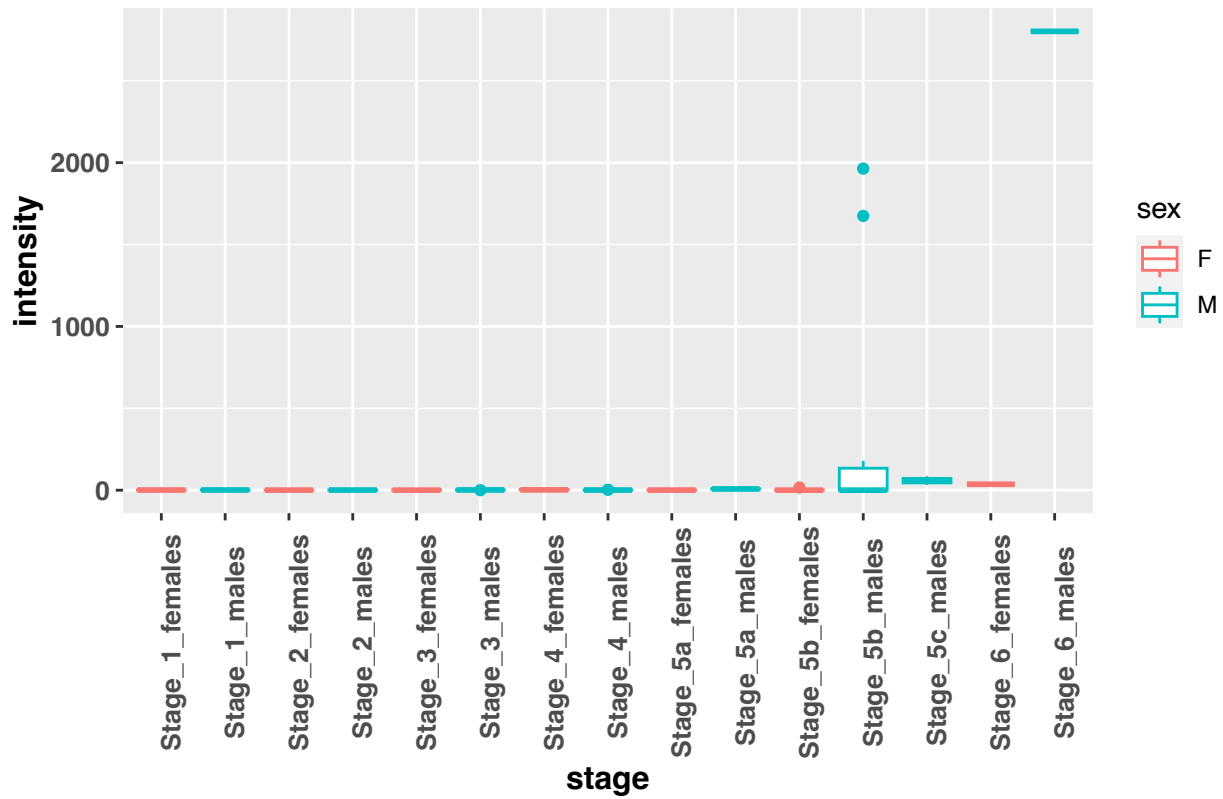
BMPR1B bufVir1.3832.1 / FDR= 0.989893265189782



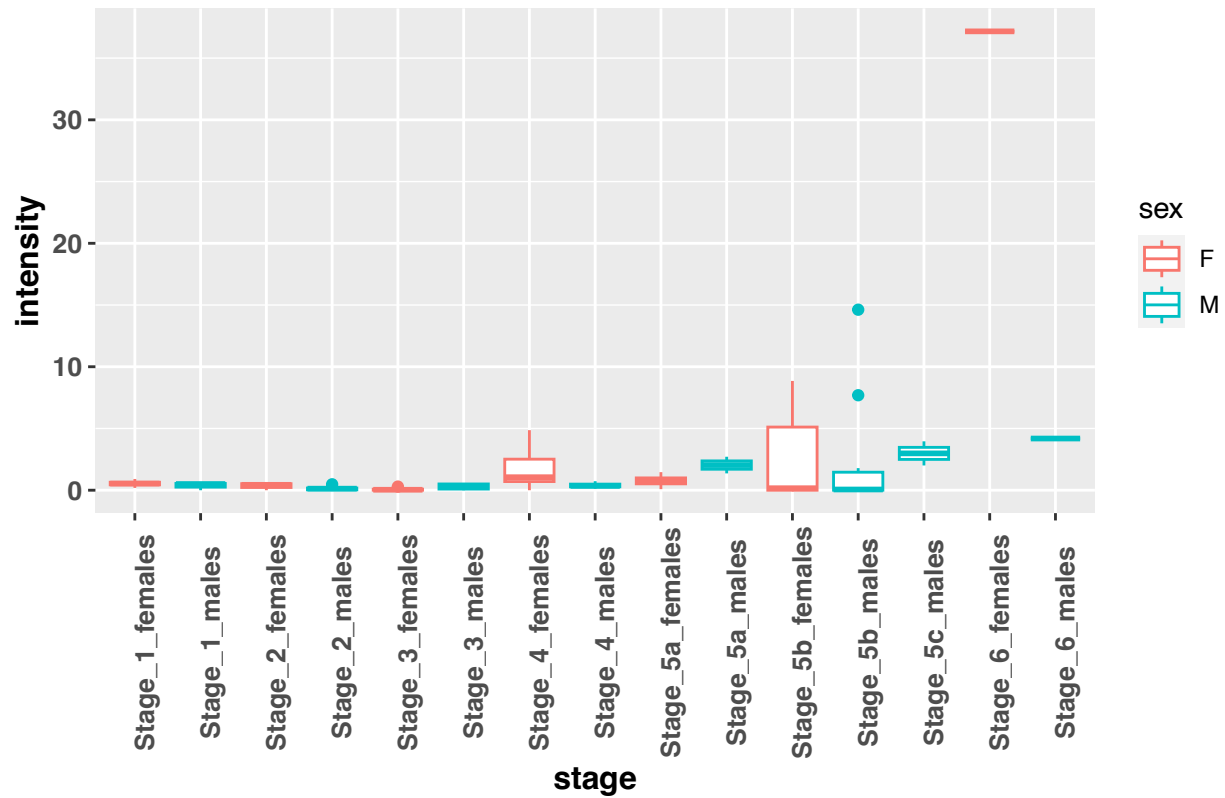
CTNNB1 bufVir1.25603.1 / FDR= 0.893568965939677



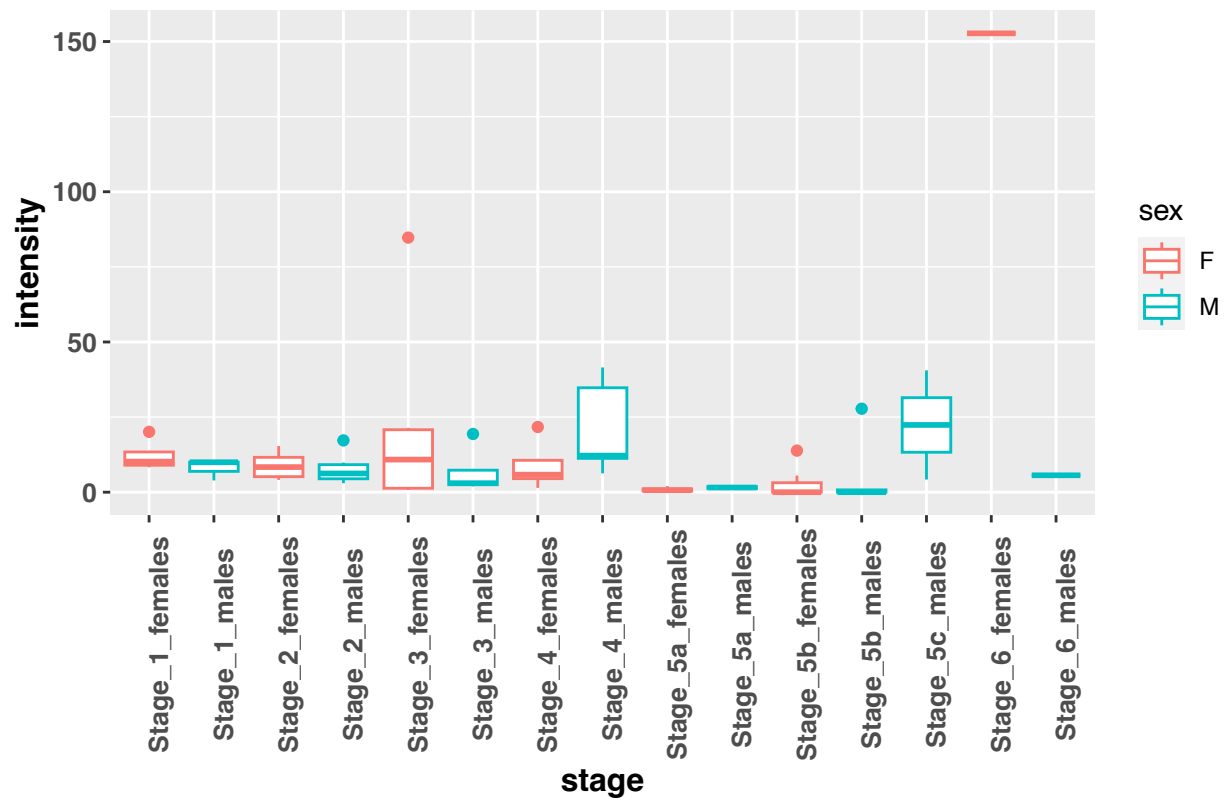
cyp17a1 bufVir1.28329.1 / FDR= 1.48577841900081e-06

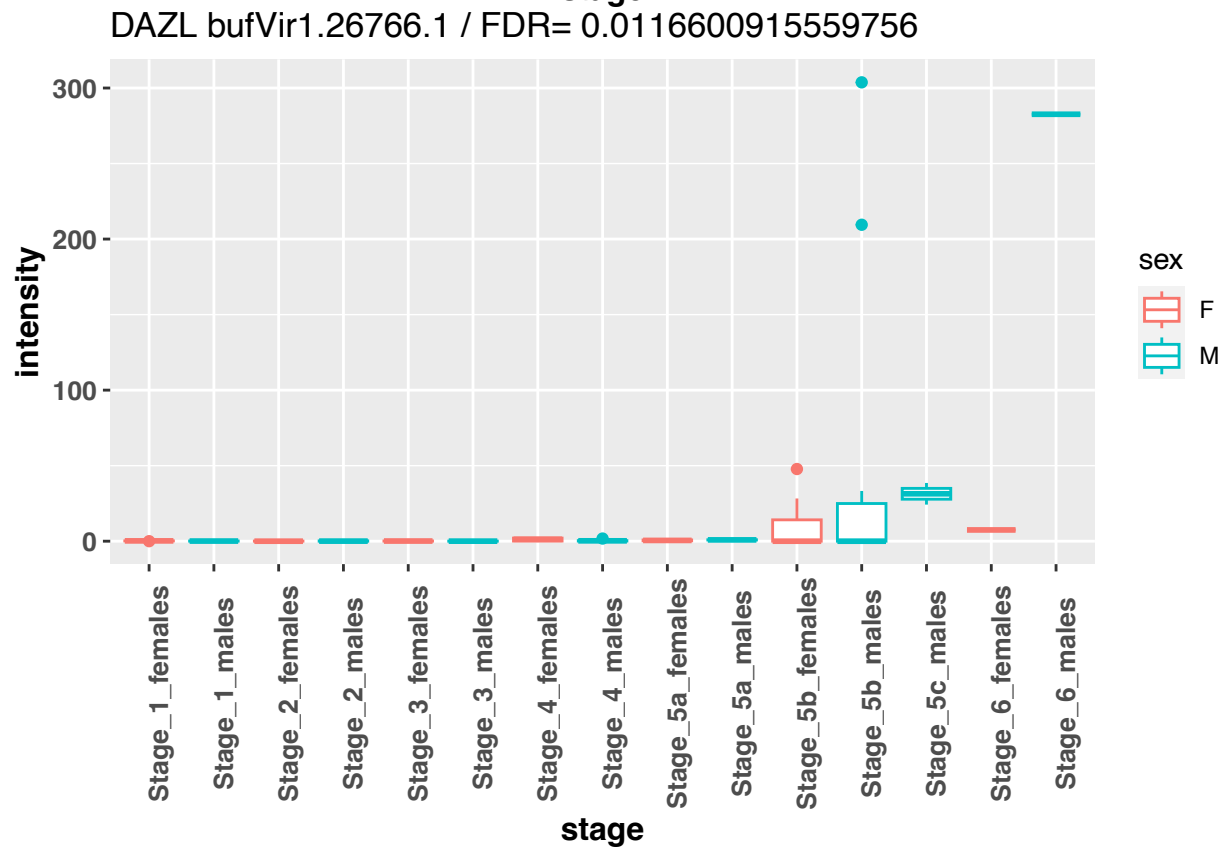
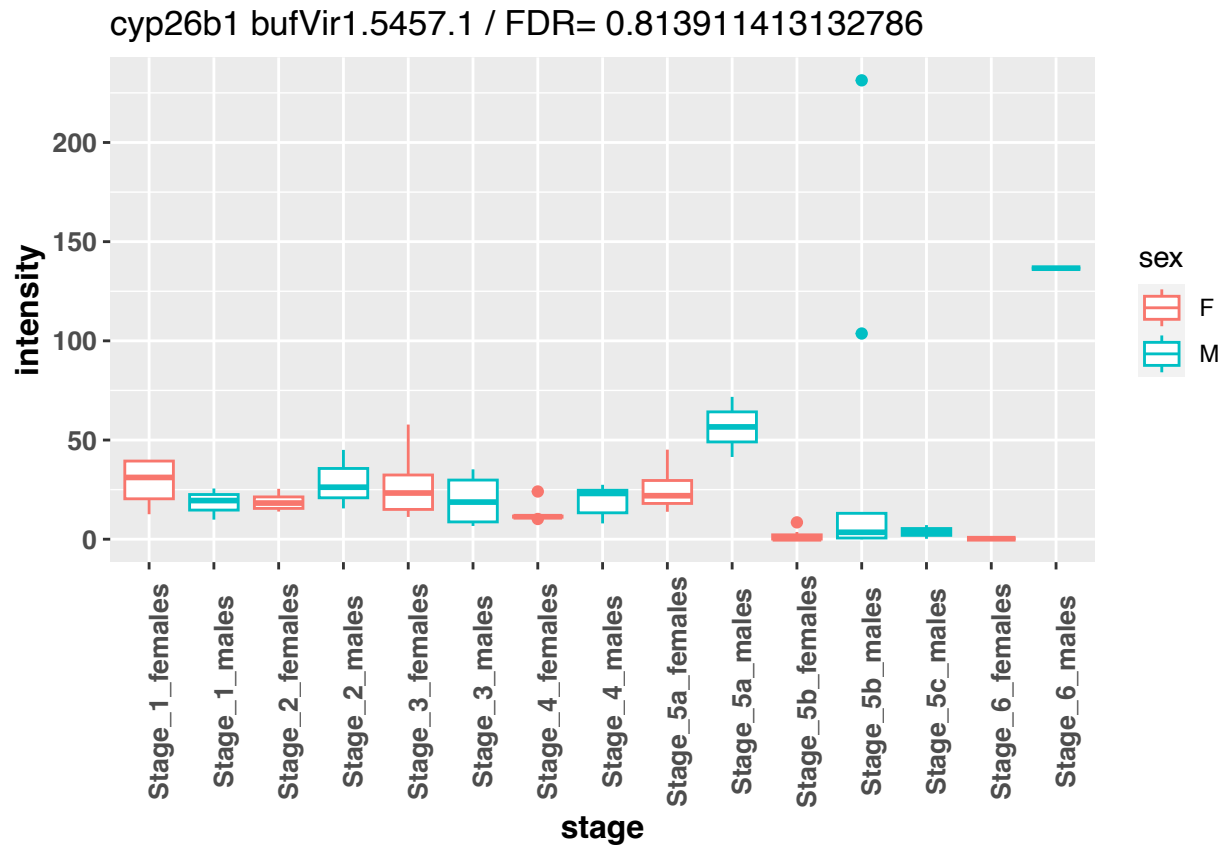


cyp19a1 bufVir1.10163.1 / FDR= 0.582560791210867

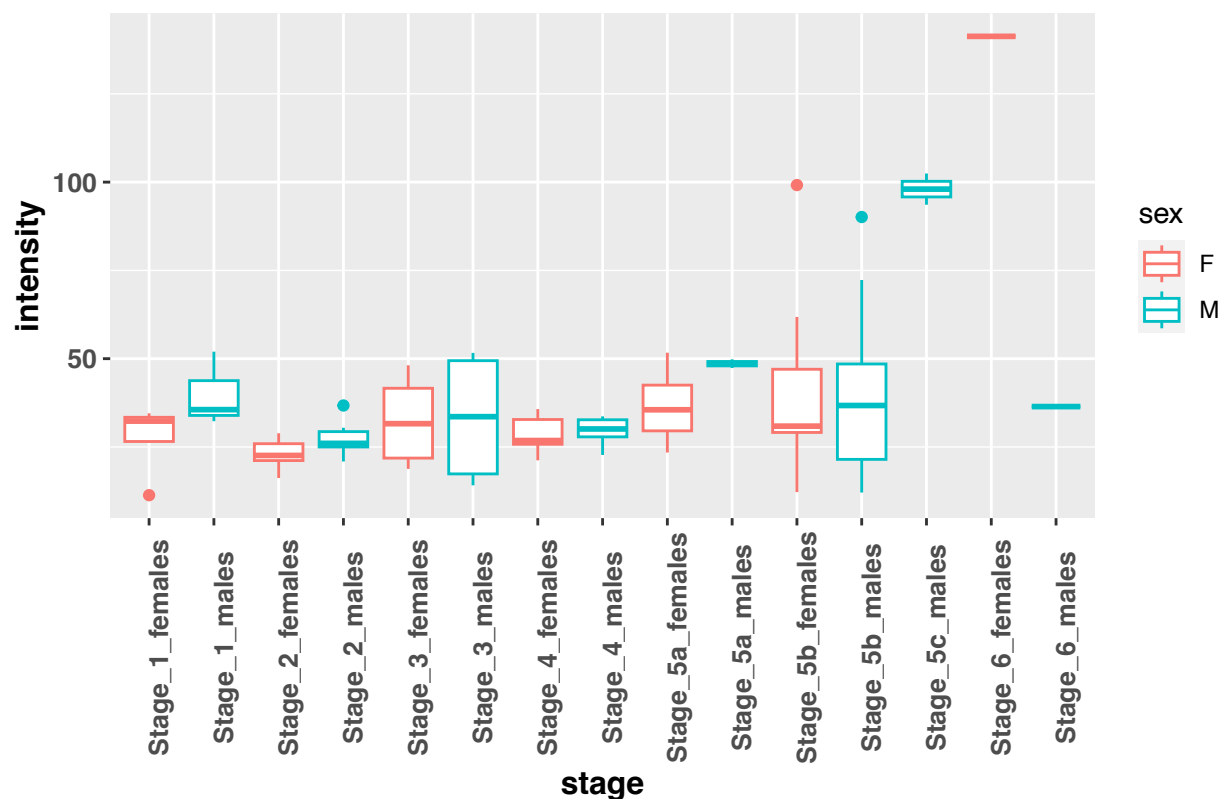


cyp26a1 bufVir1.28271.1 / FDR= 0.949614362925487

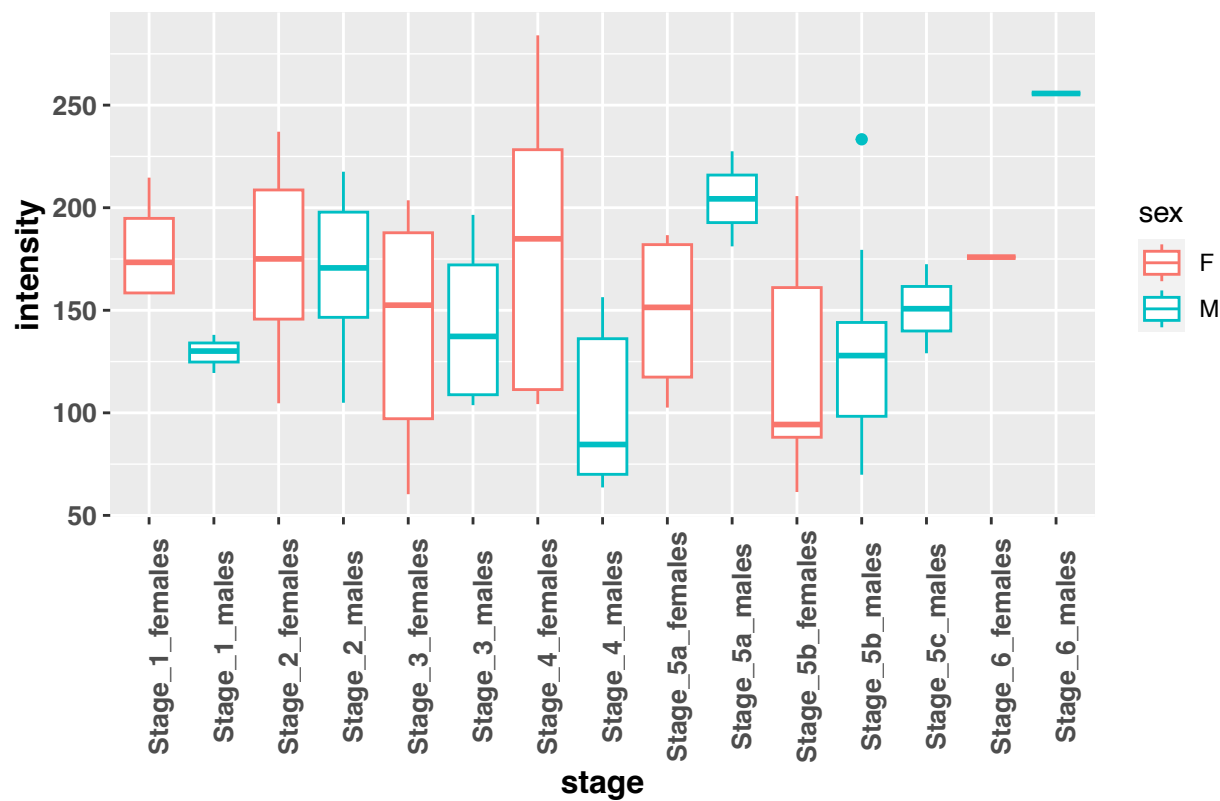




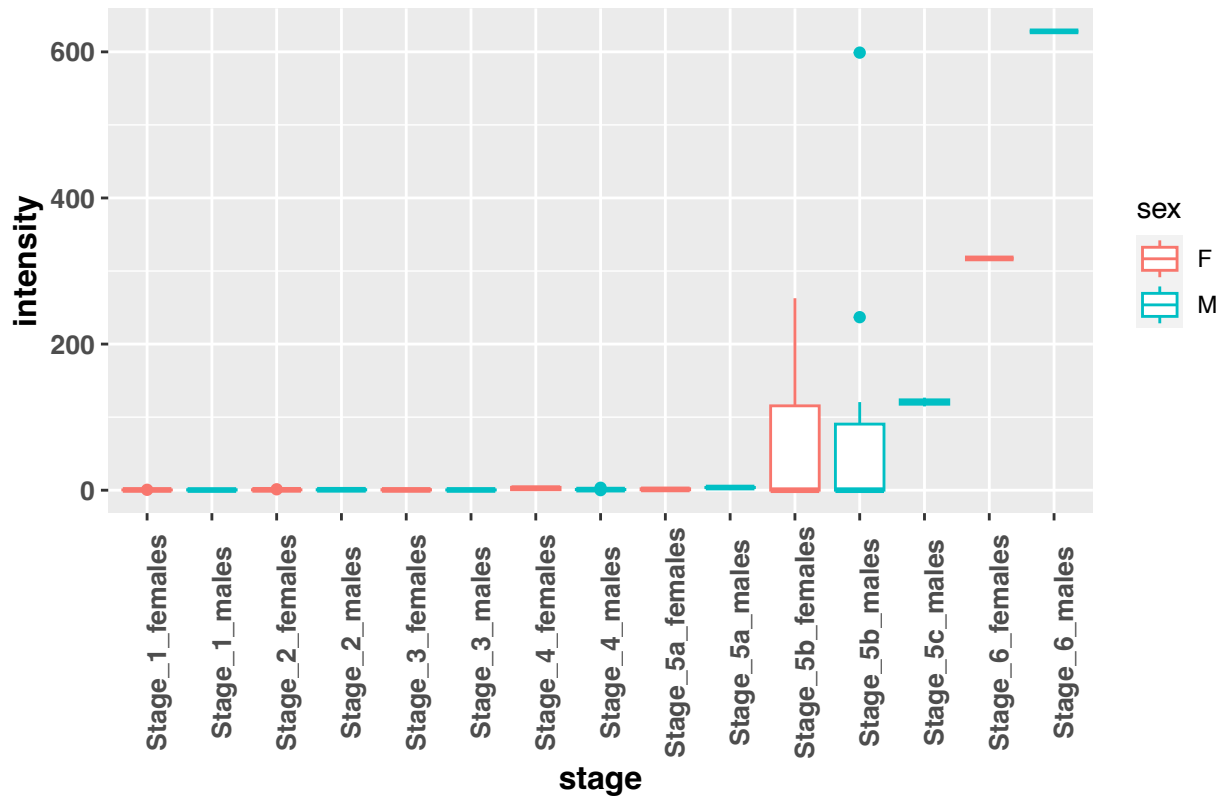
ddx41 bufVir1.11870.1 / FDR= 0.999980732933913



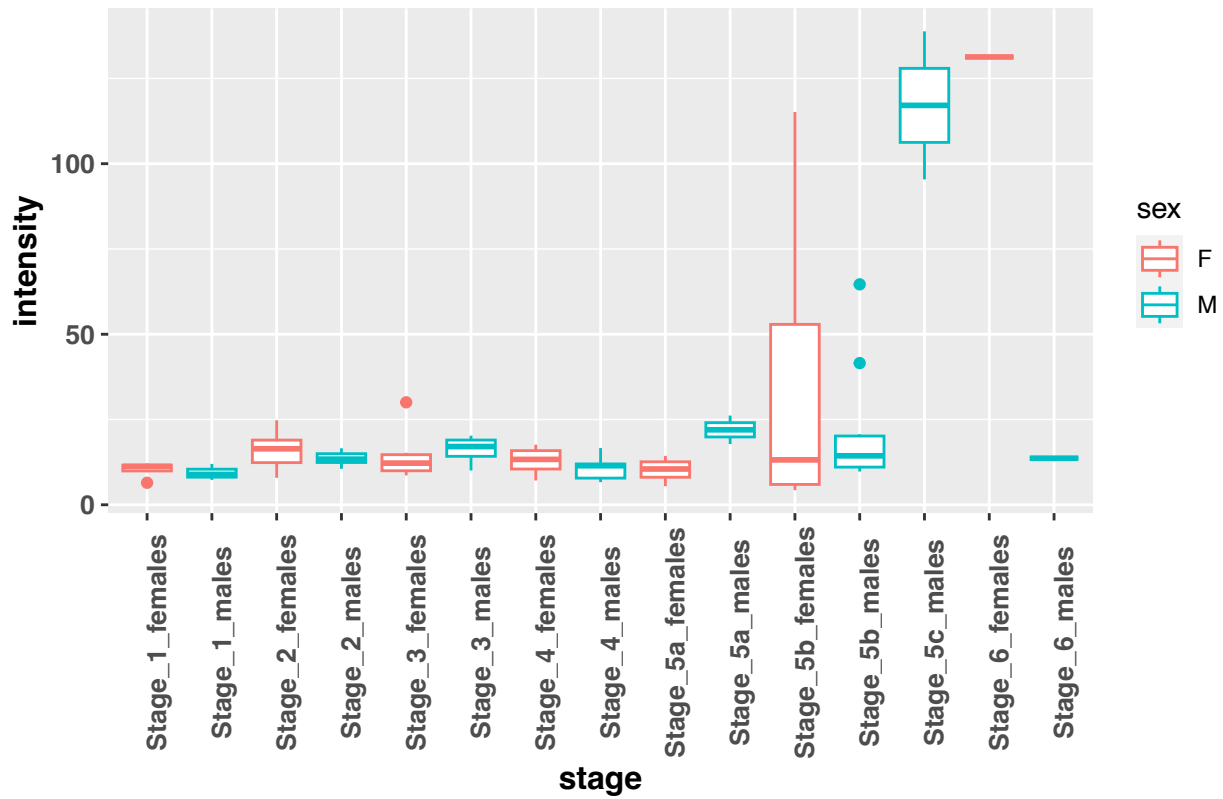
DDX46 bufVir1.12182.1 / FDR= 0.999980732933913



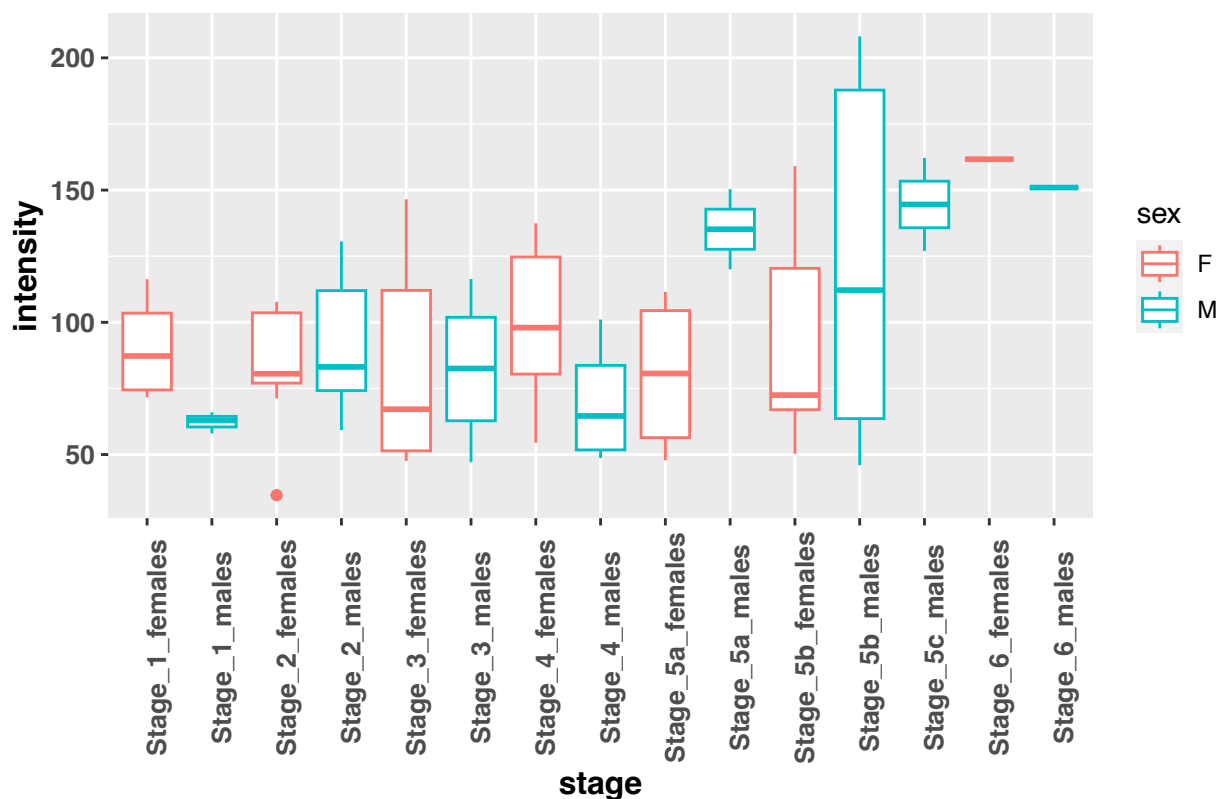
DDX43 bufVir1.21784.1 / FDR= 0.561875147054289



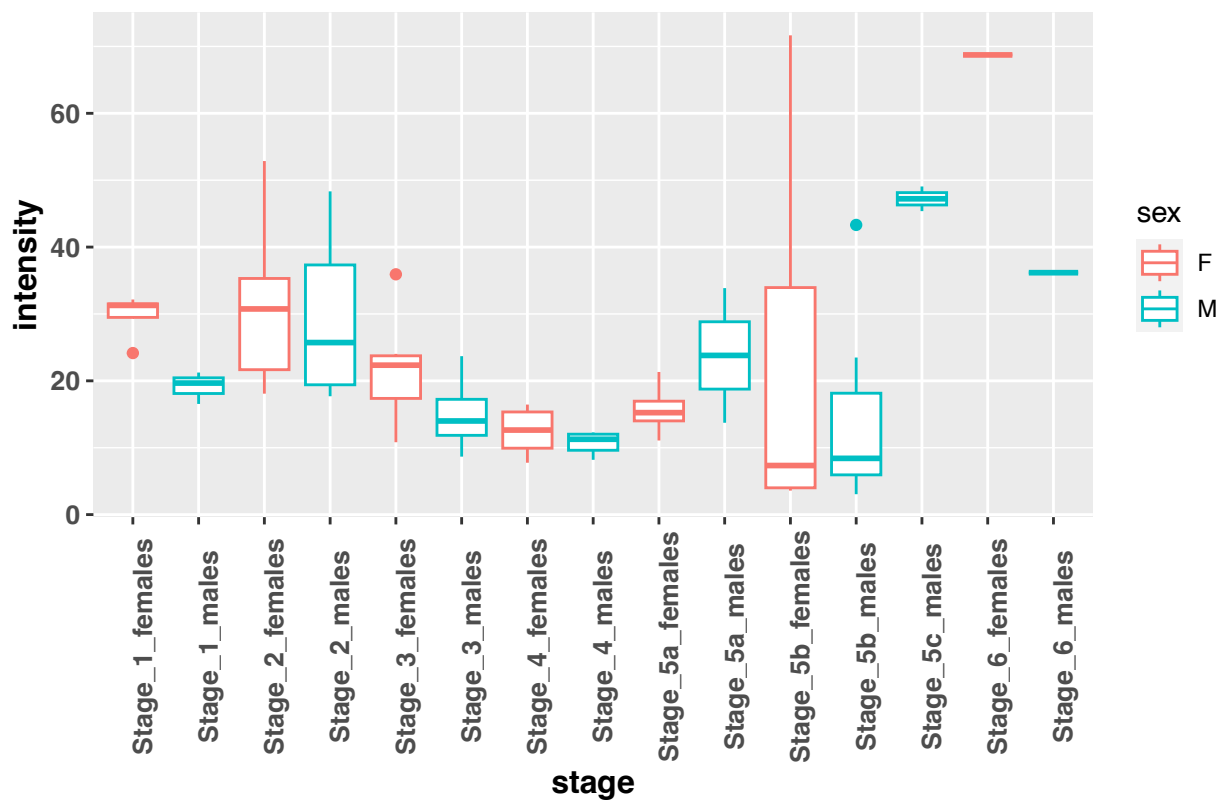
ddx49 bufVir1.2807.1 / FDR= 0.934199034864266



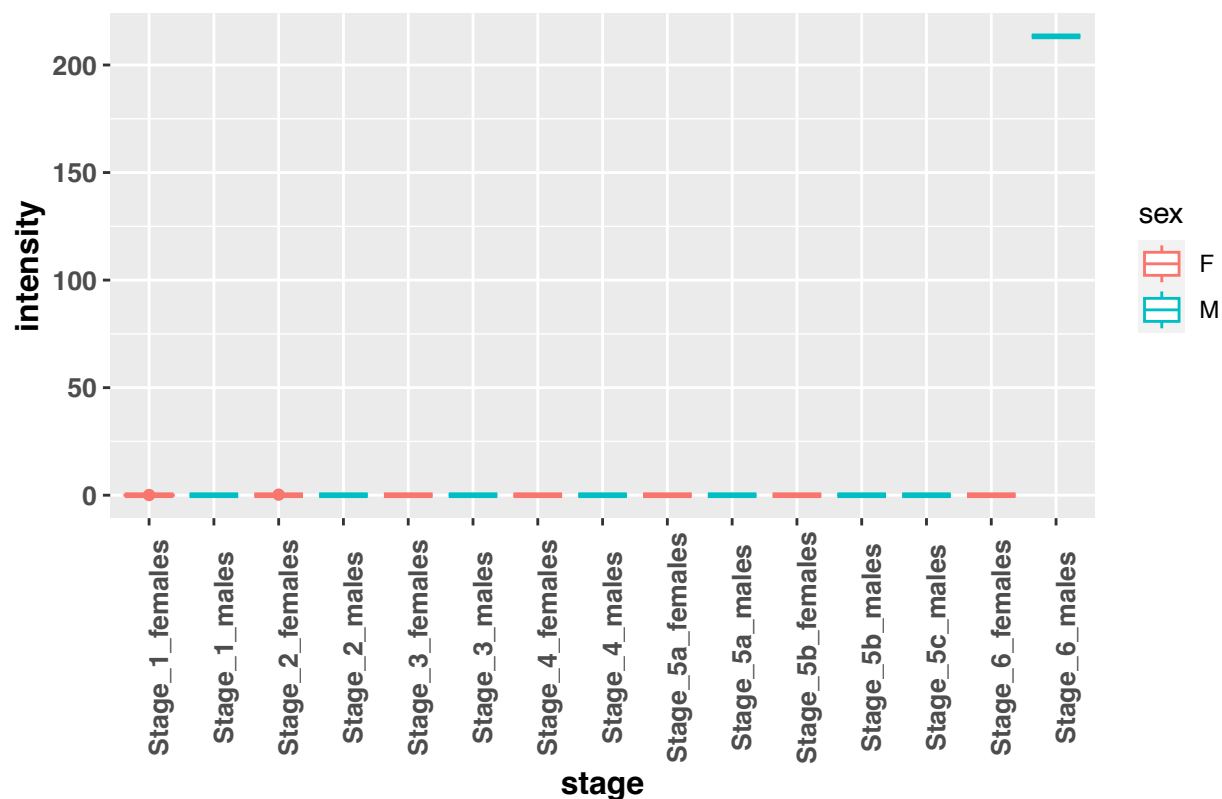
DDX42 bufVir1.29746.1 / FDR= 0.999980732933913



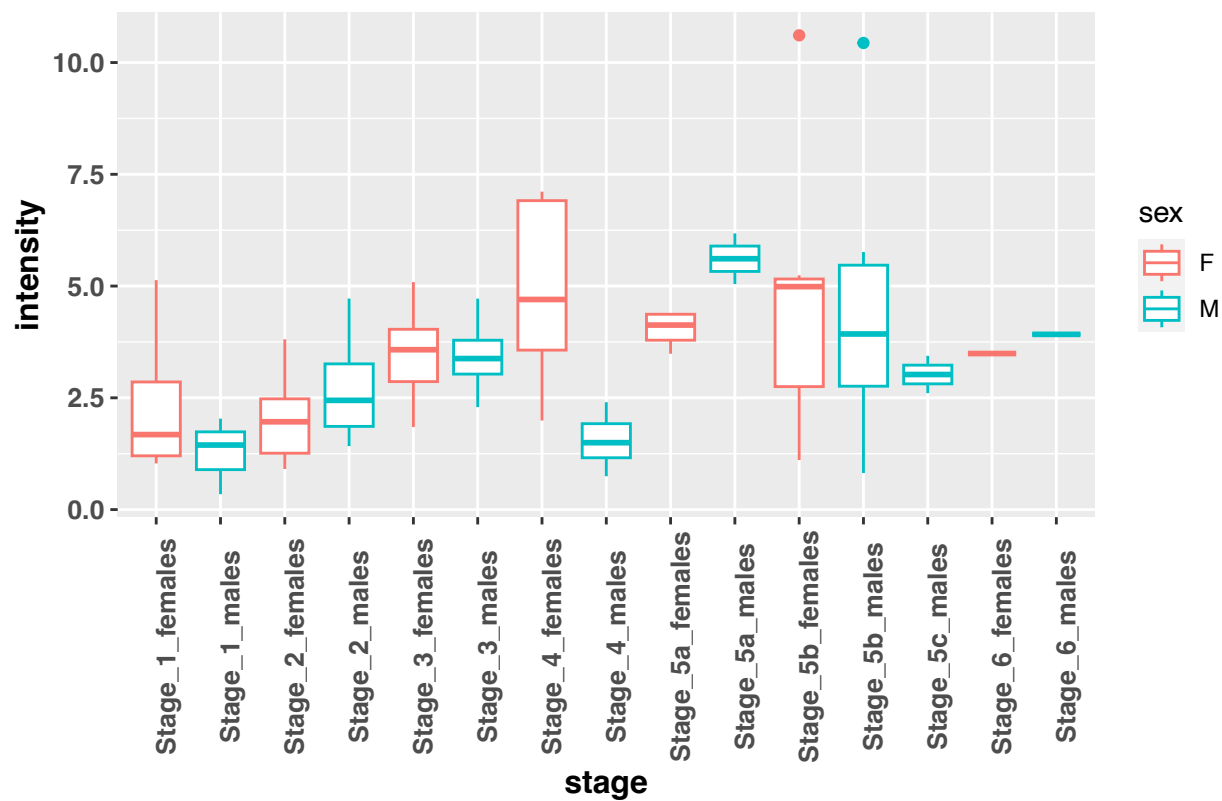
ddx47 bufVir1.34368.1 / FDR= 0.995906508864036



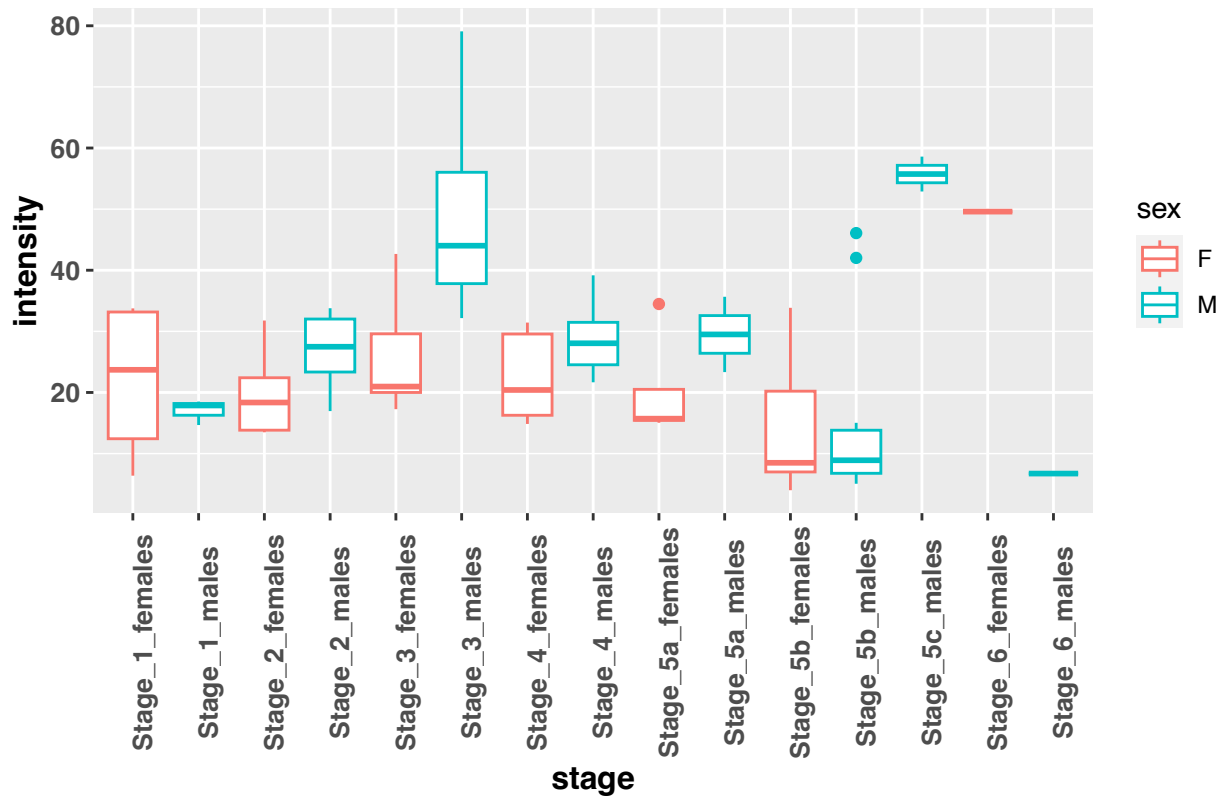
Zdhhc11 bufVir1.1030.1 / FDR= 0.401609282885868



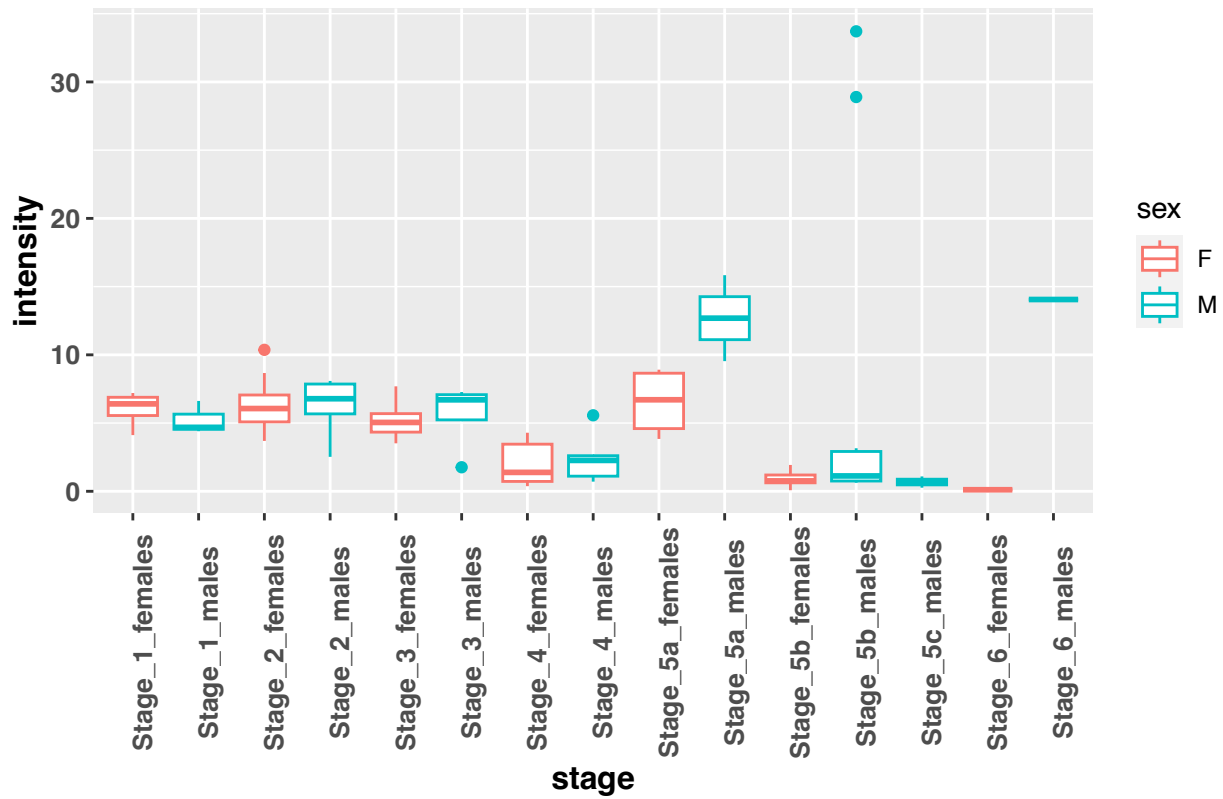
ZDHHC17 bufVir1.11208.2 / FDR= 0.999980732933913



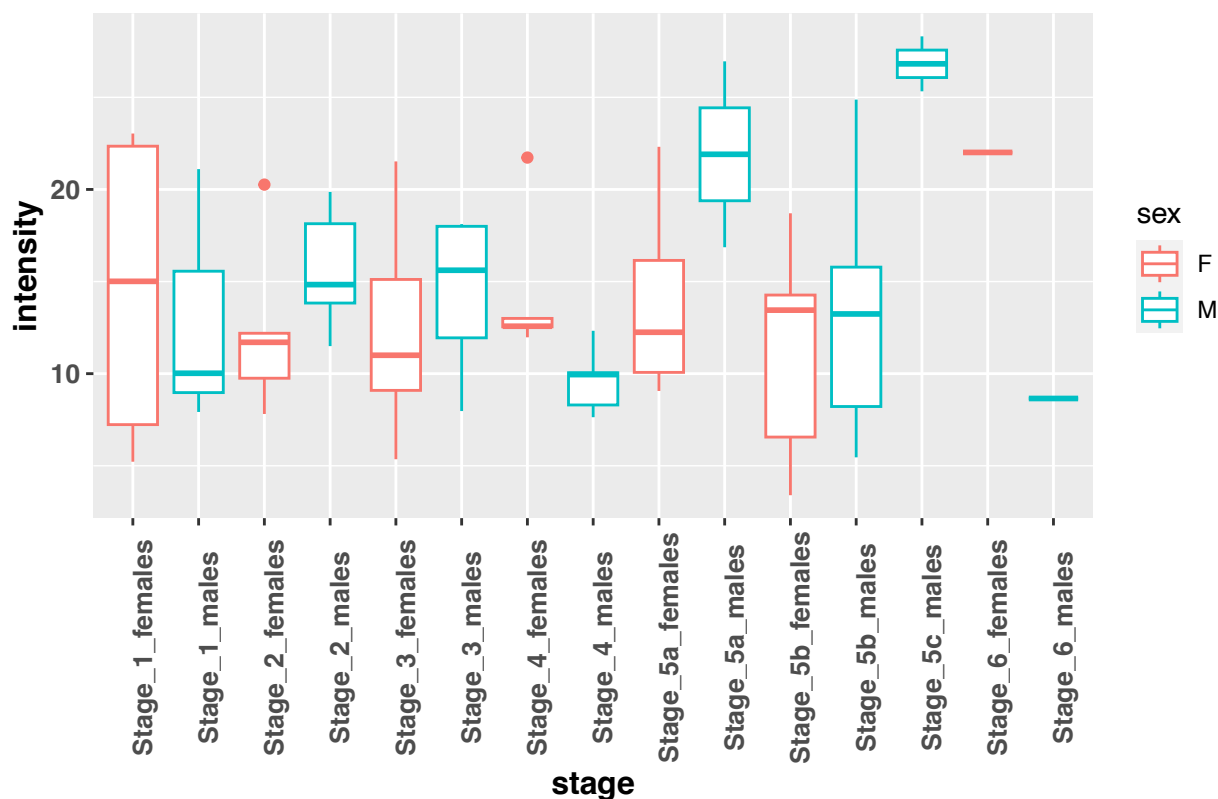
ZDHHC23 bufVir1.15189.1 / FDR= 0.559445018884211



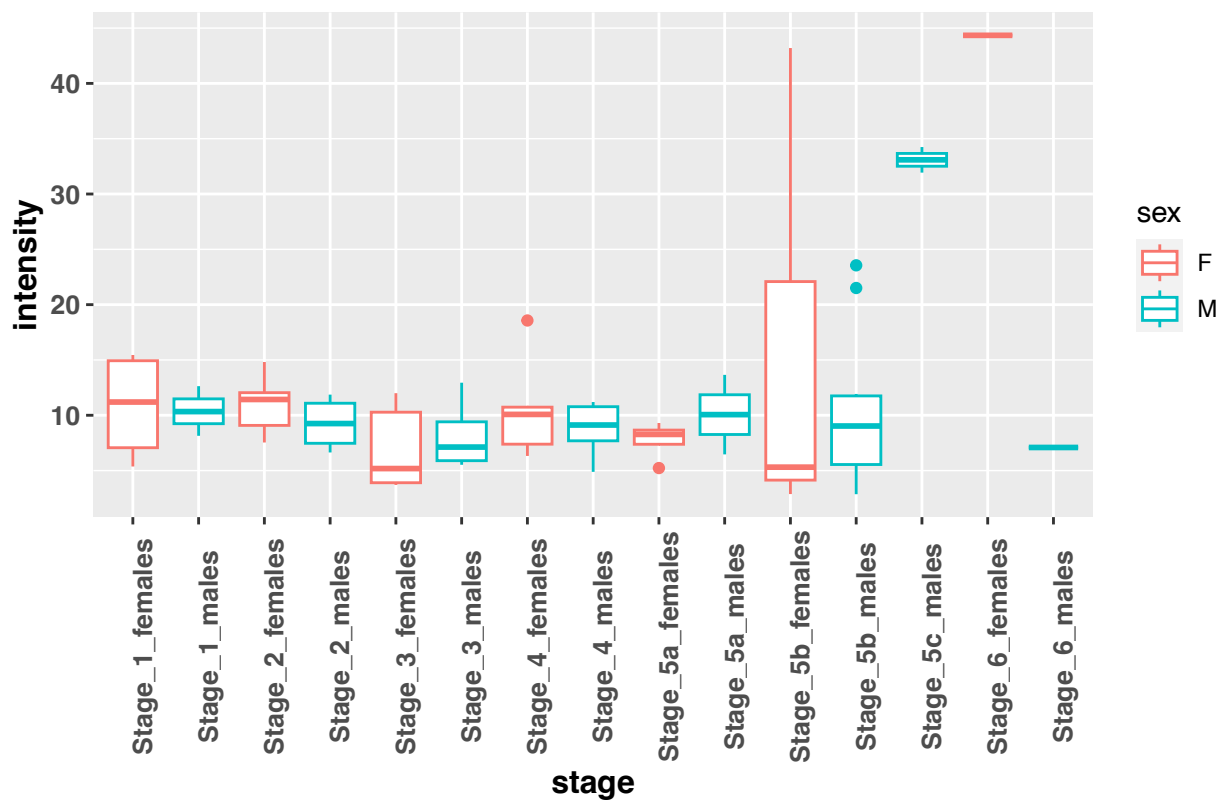
DHH bufVir1.18440.1 / FDR= 0.999980732933913



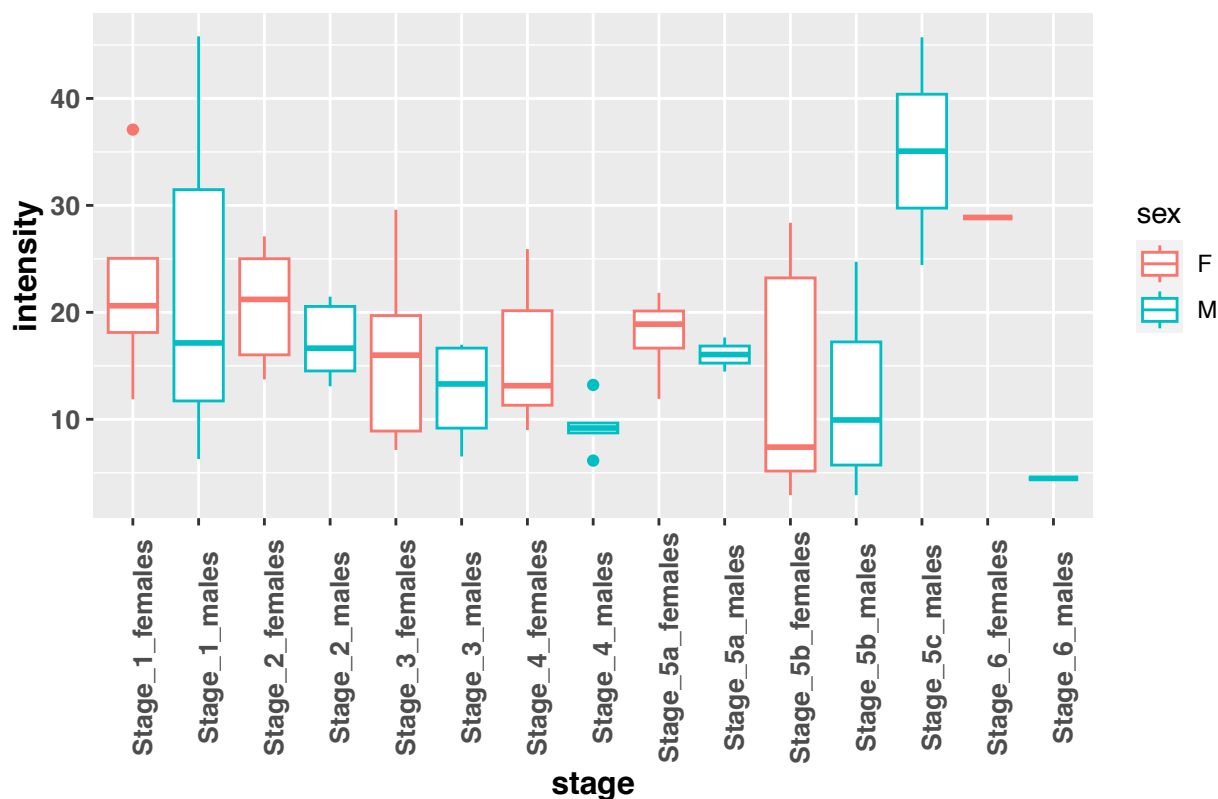
ZDHHC20 bufVir1.19064.1 / FDR= 0.999980732933913



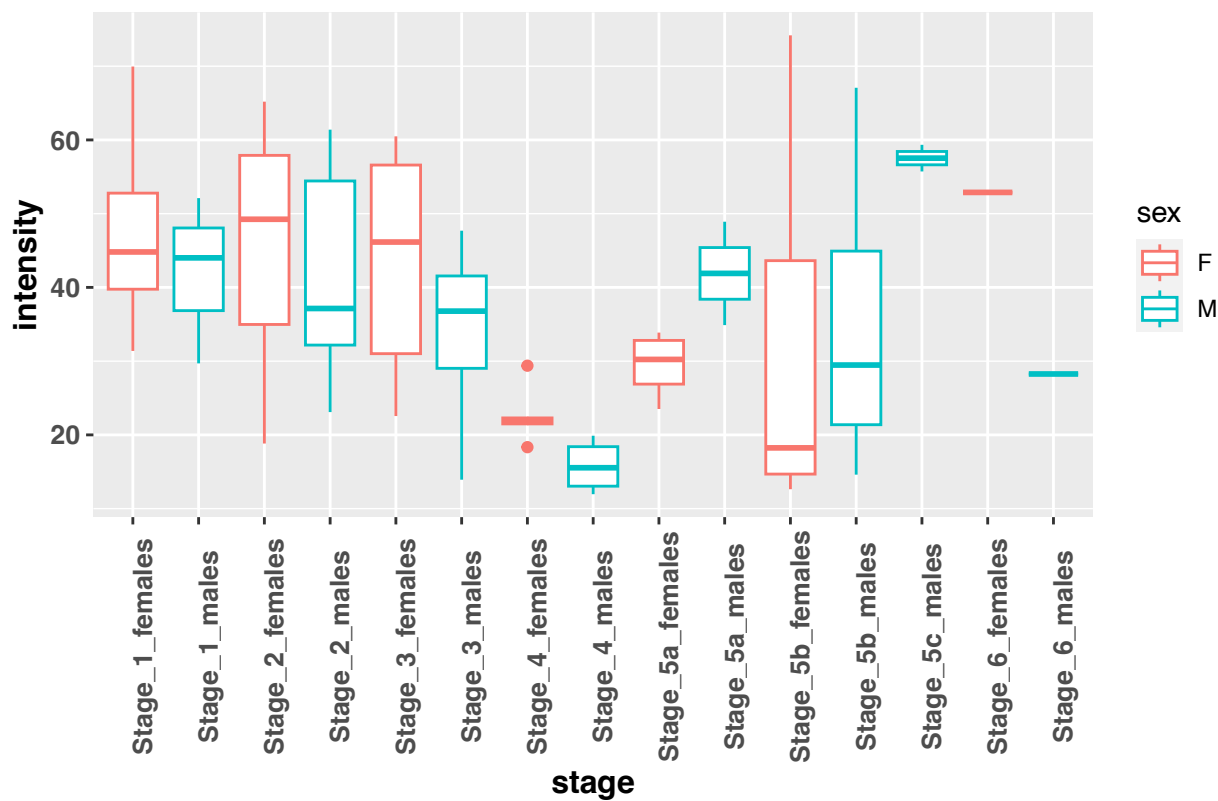
ZDHHC14 bufVir1.19807.1 / FDR= 0.714303263081231



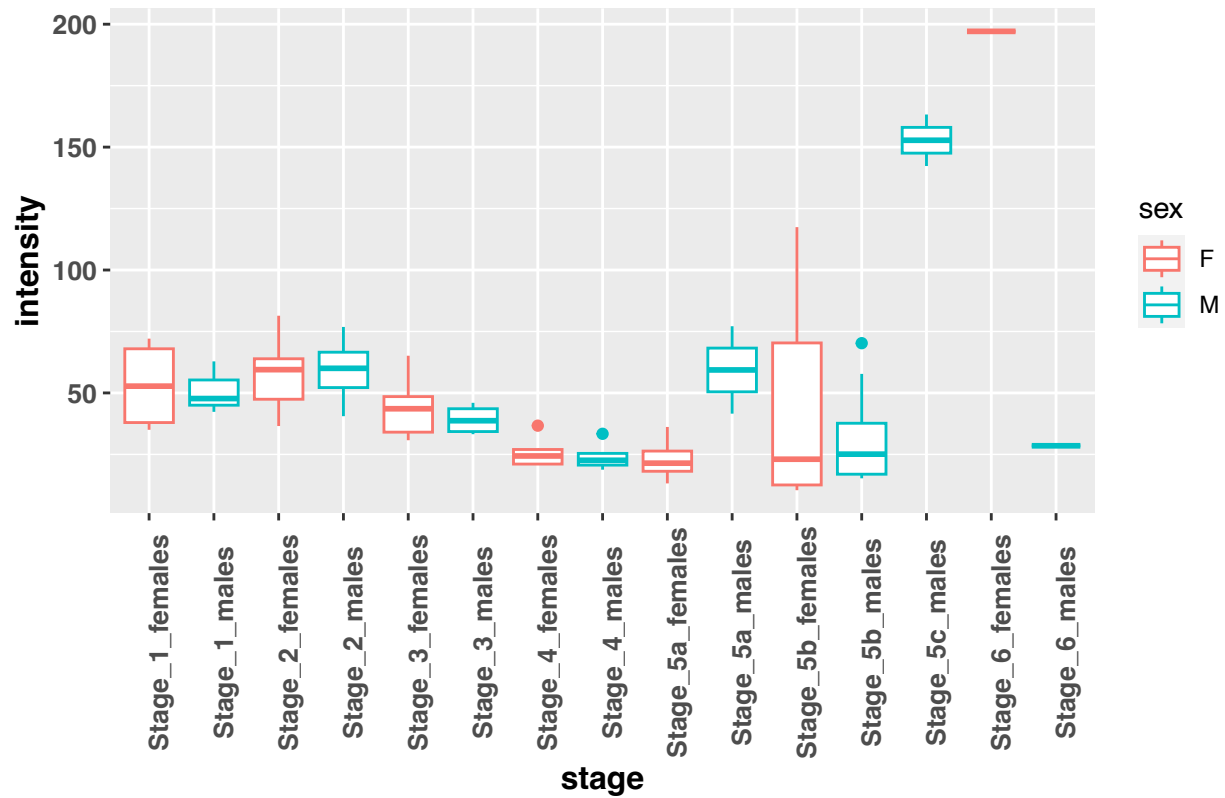
ZDHHC21 bufVir1.2459.1 / FDR= 0.957890412966163



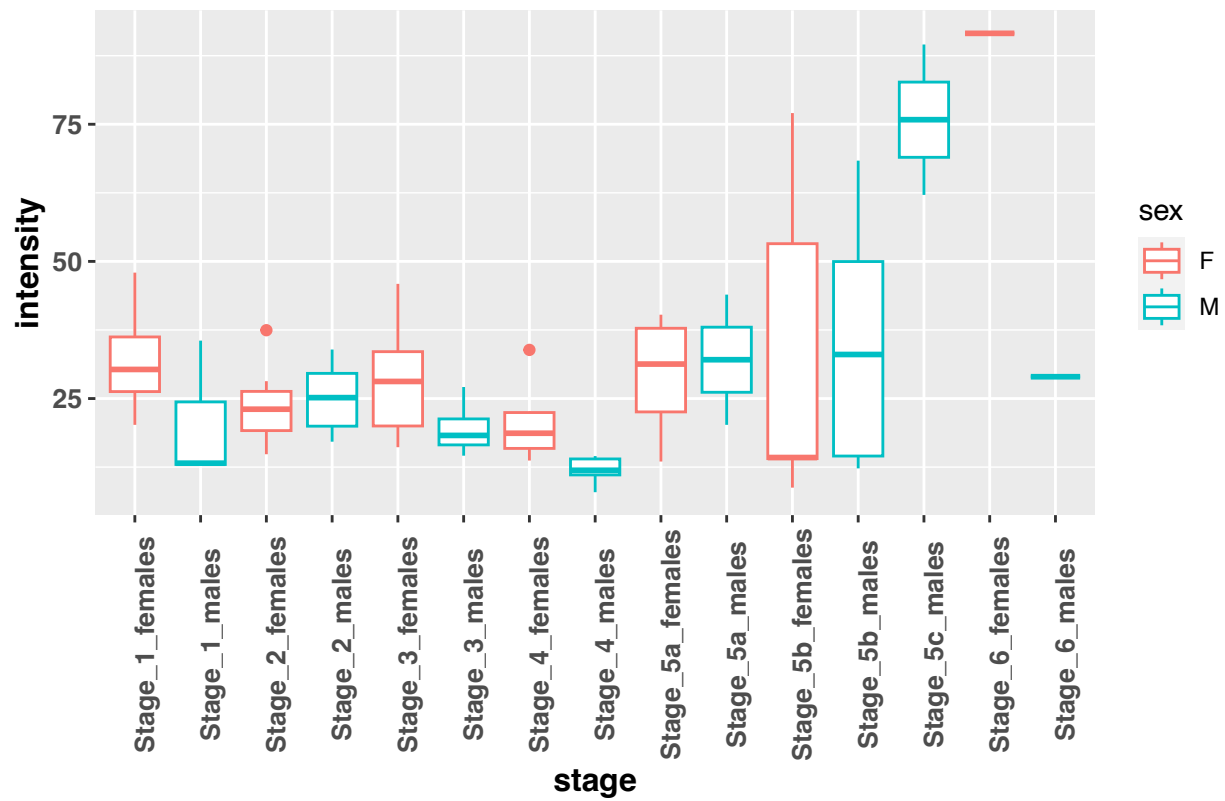
ZDHHC3 bufVir1.25611.2 / FDR= 0.999980732933913



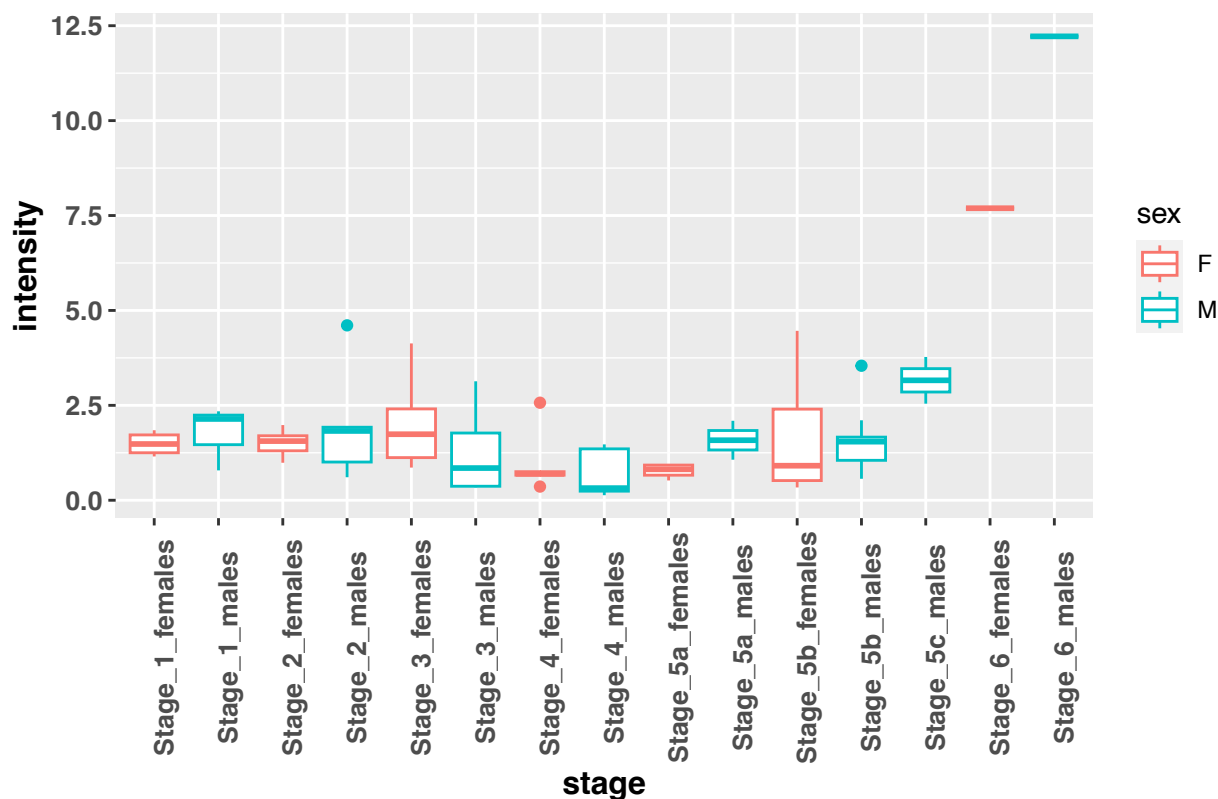
zdhhc6 bufVir1.27847.1 / FDR= 0.878561969337382



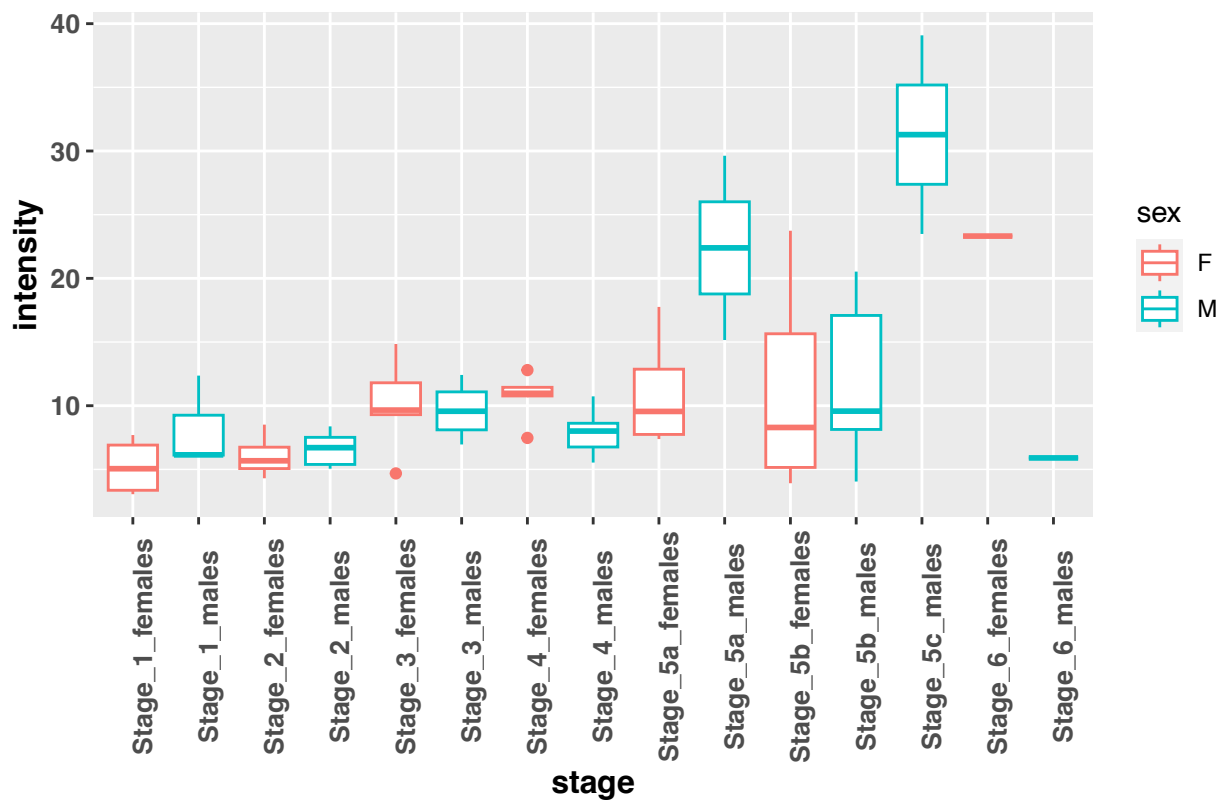
zdhhc16 bufVir1.28077.1 / FDR= 0.553902980390356



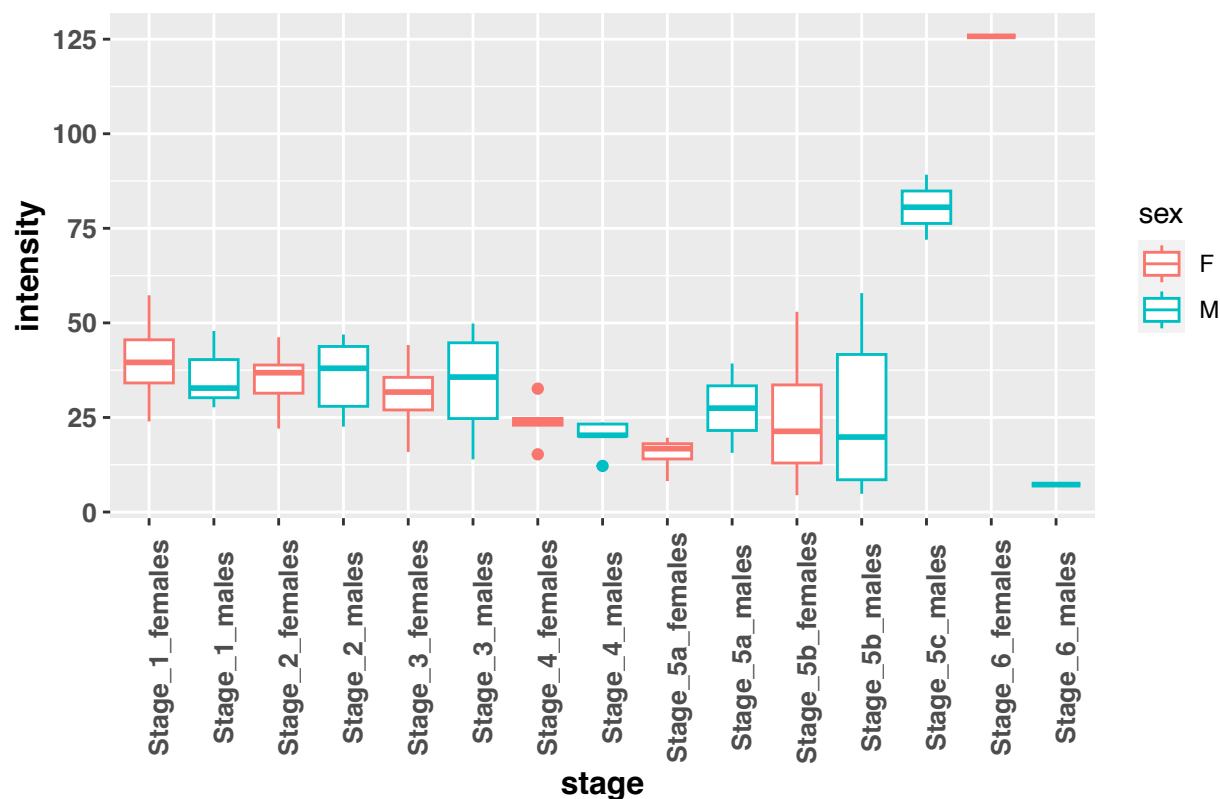
ZDHHC4 bufVir1.31686.1 / FDR= 0.999980732933913



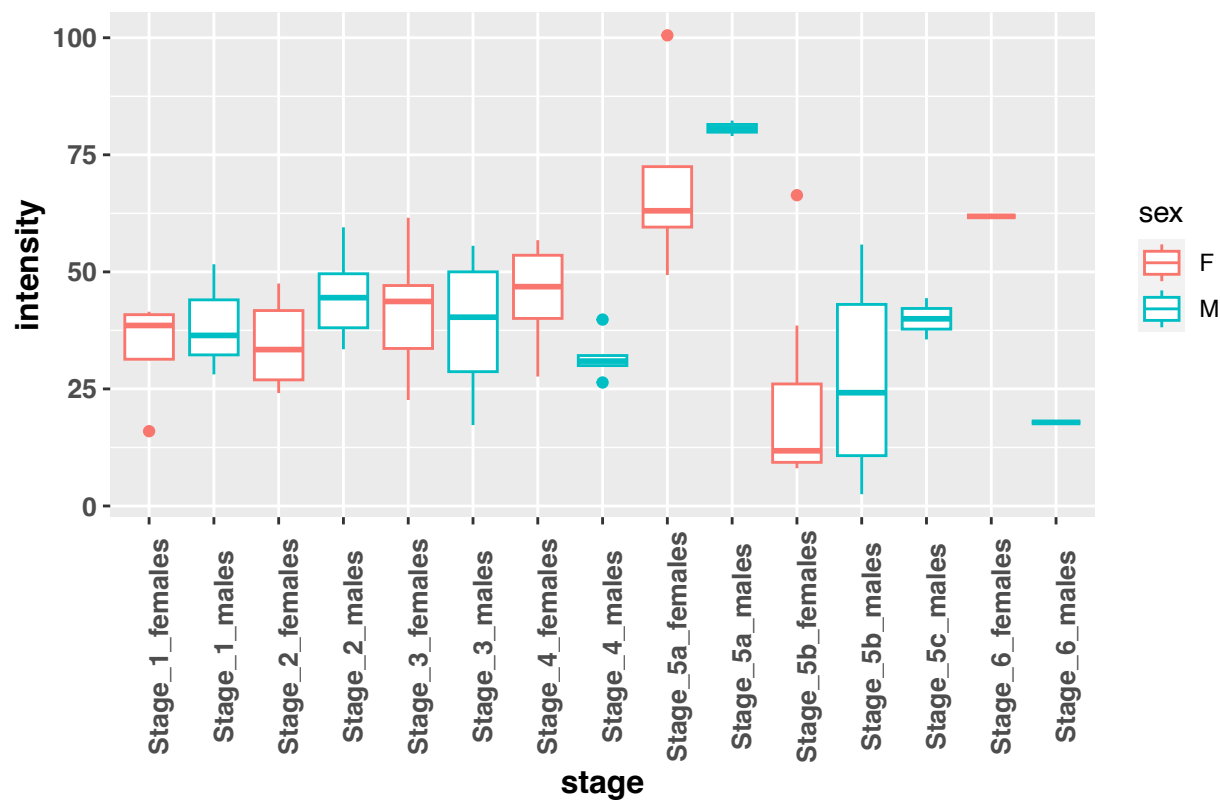
ZDHHC8 bufVir1.33206.1 / FDR= 0.999980732933913



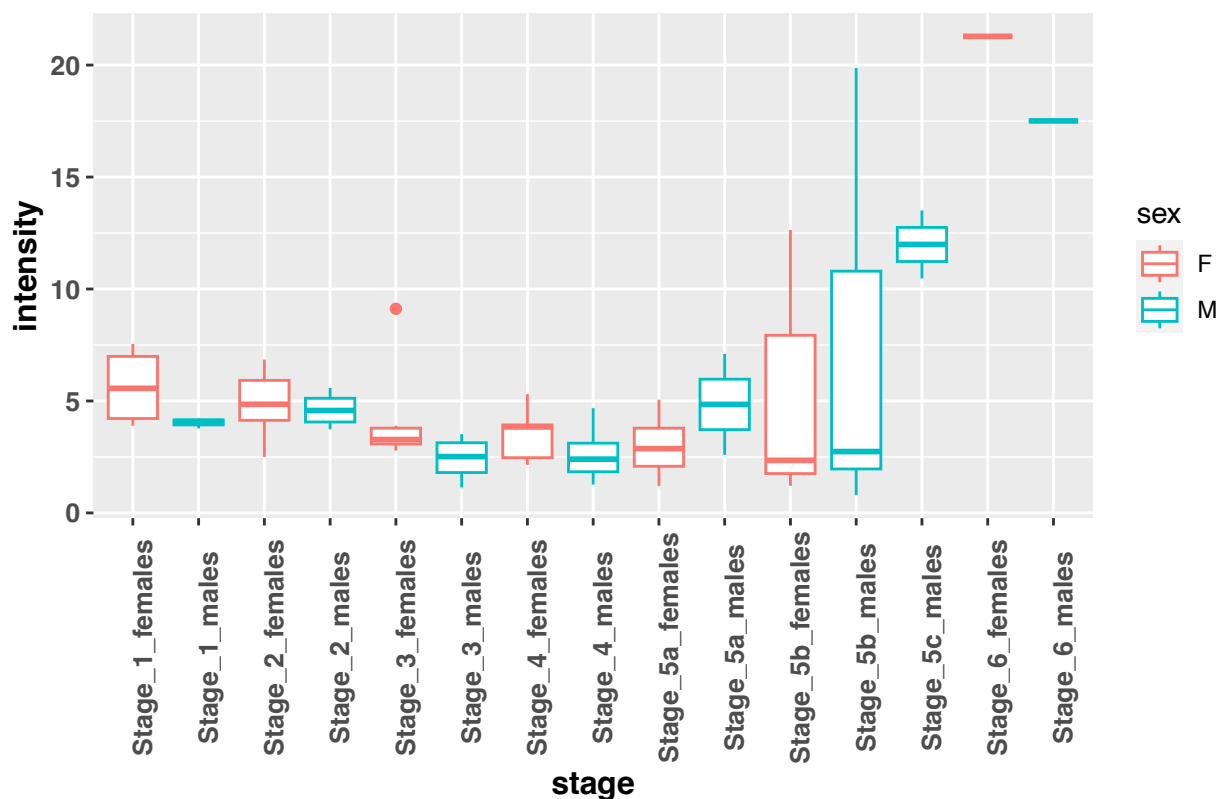
ZDHHC9 bufVir1.35335.2 / FDR= 0.908136172271777



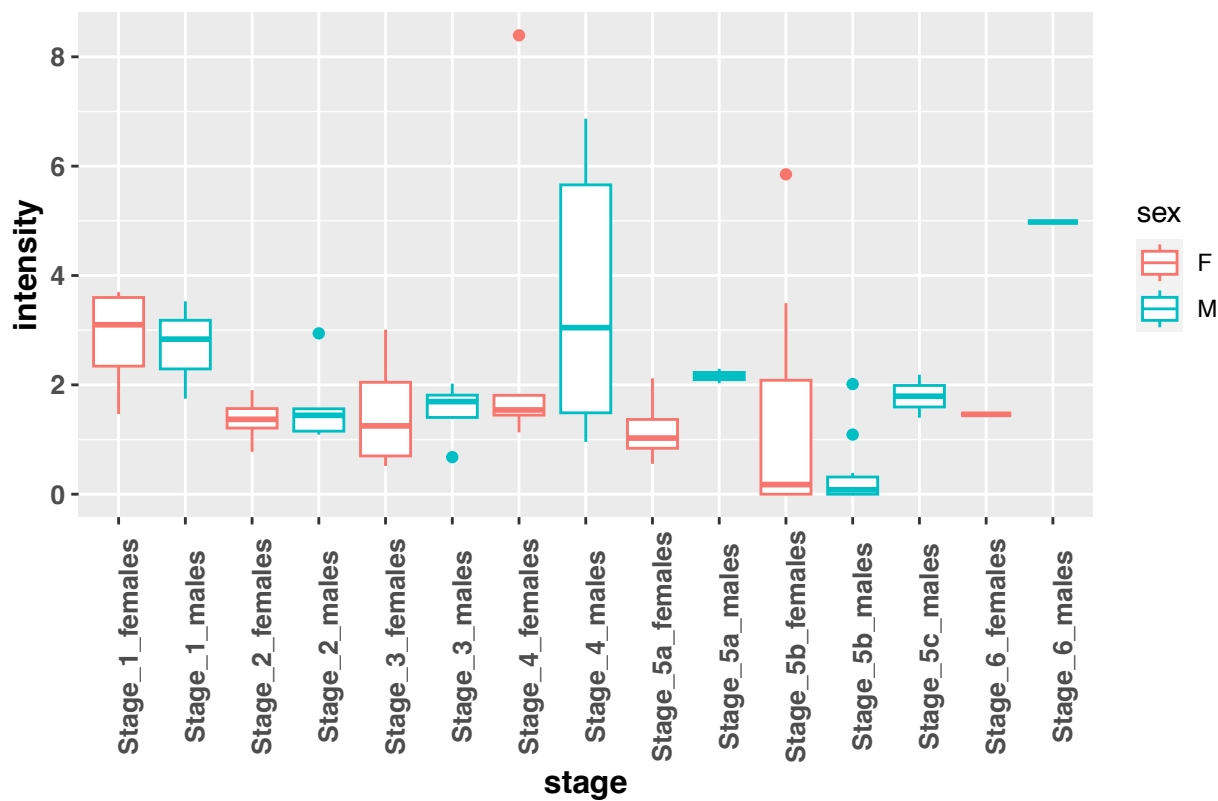
ZDHHC15 bufVir1.36217.1 / FDR= 0.826204962344583



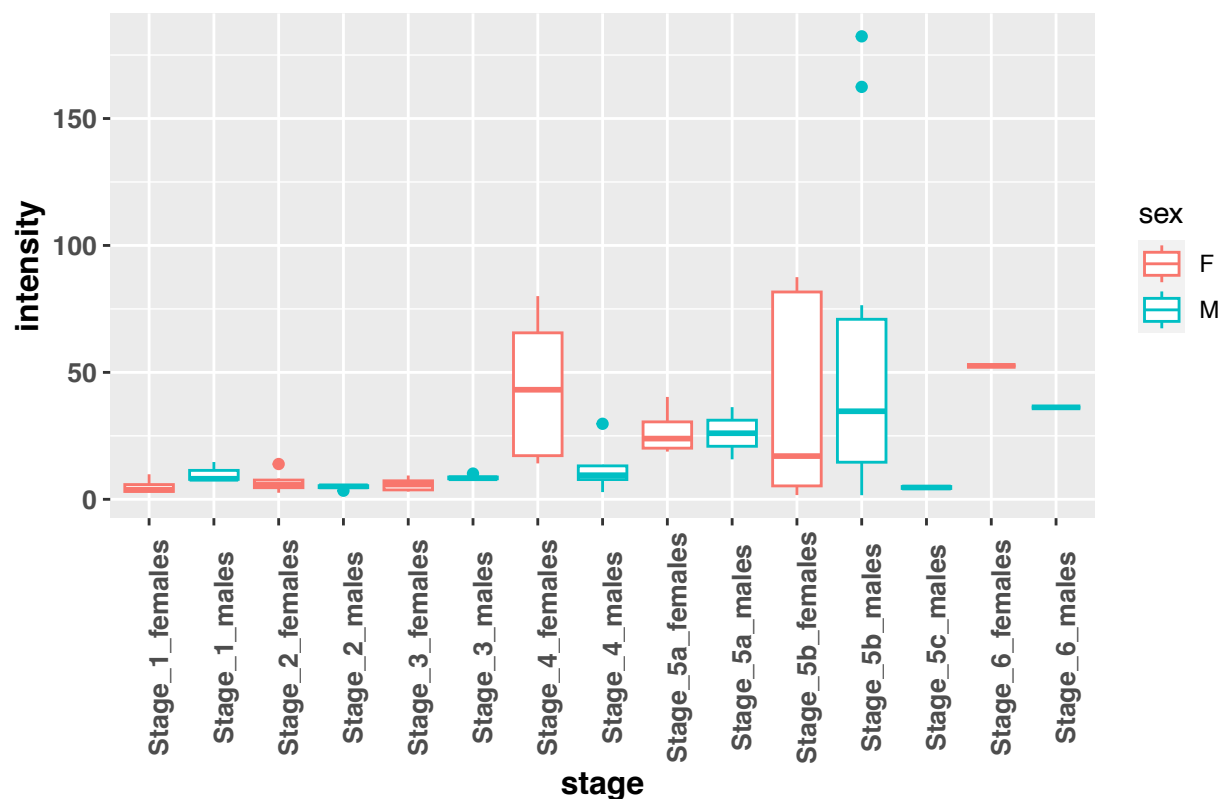
ZDHHC12 bufVir1.36855.1 / FDR= 0.999980732933913



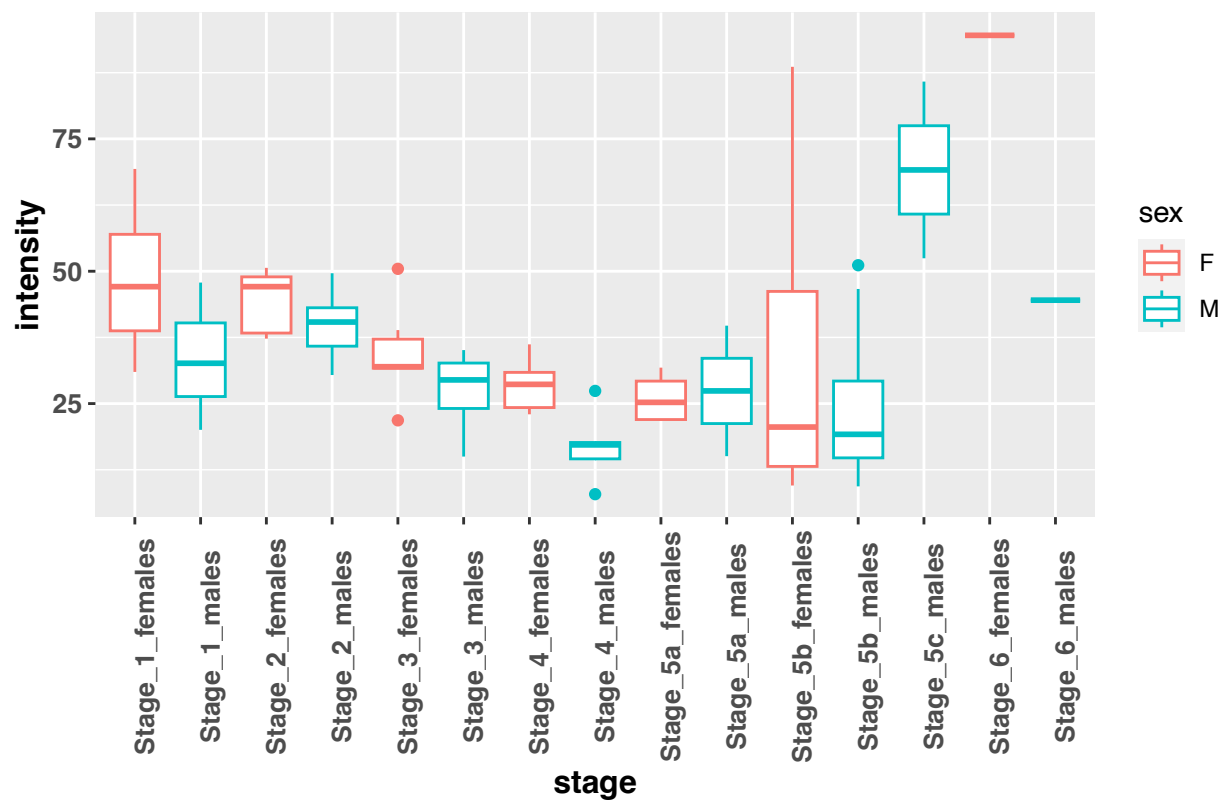
ZDHHC17 bufVir1.4082.1 / FDR= 0.786152581649817



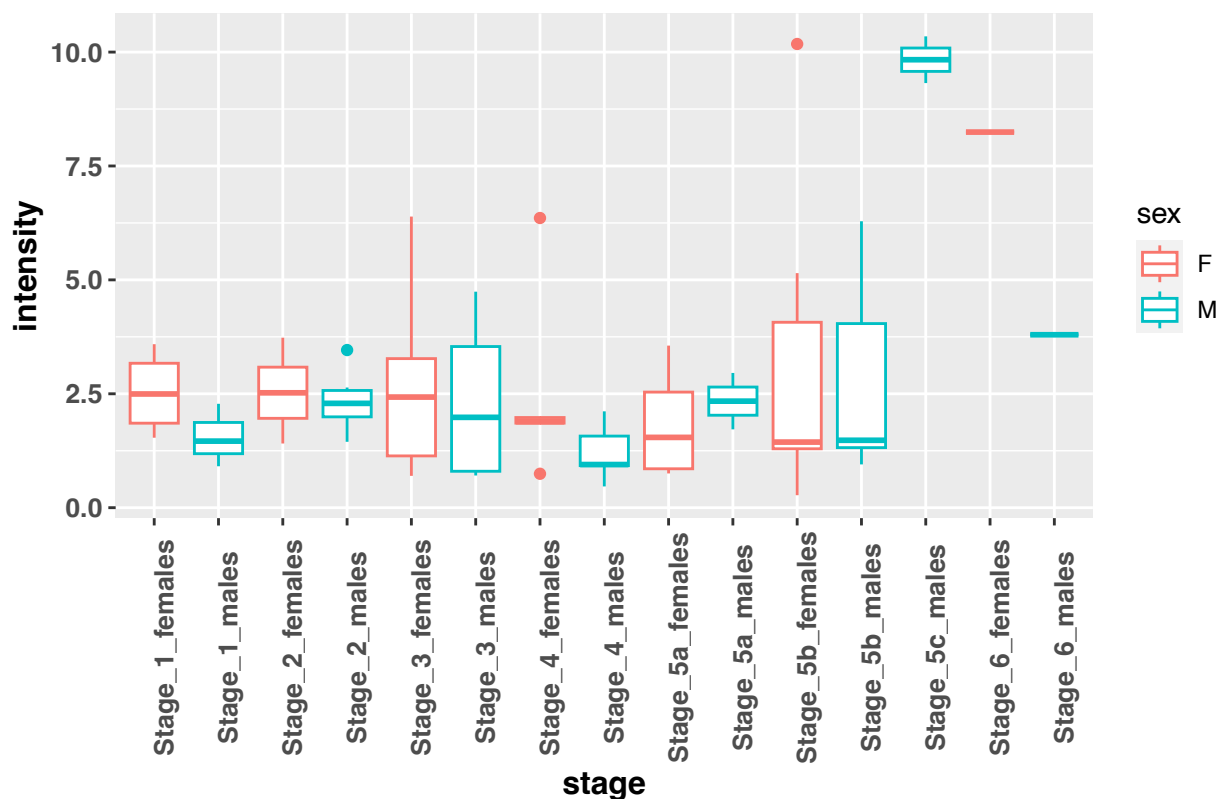
ZDHHC2 bufVir1.4589.1 / FDR= 0.970917879009623



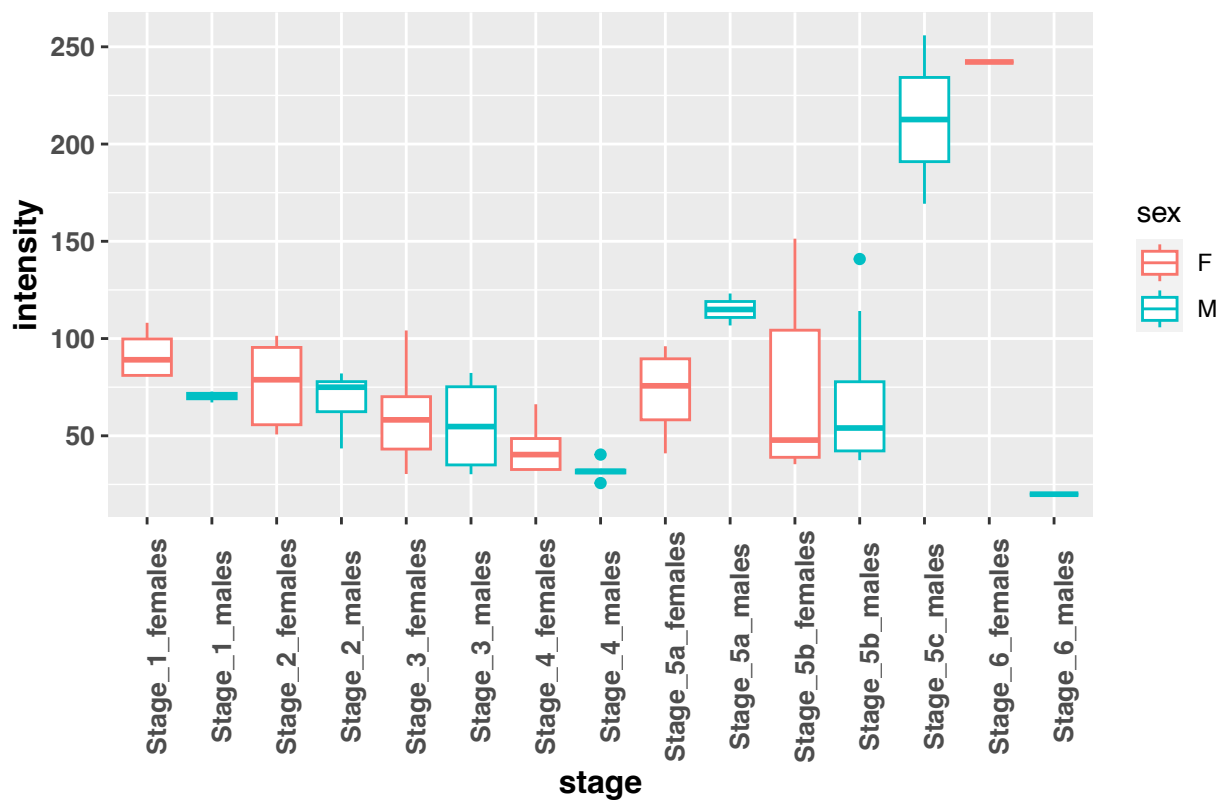
ZDHHC13 bufVir1.5554.1 / FDR= 0.981394662704247



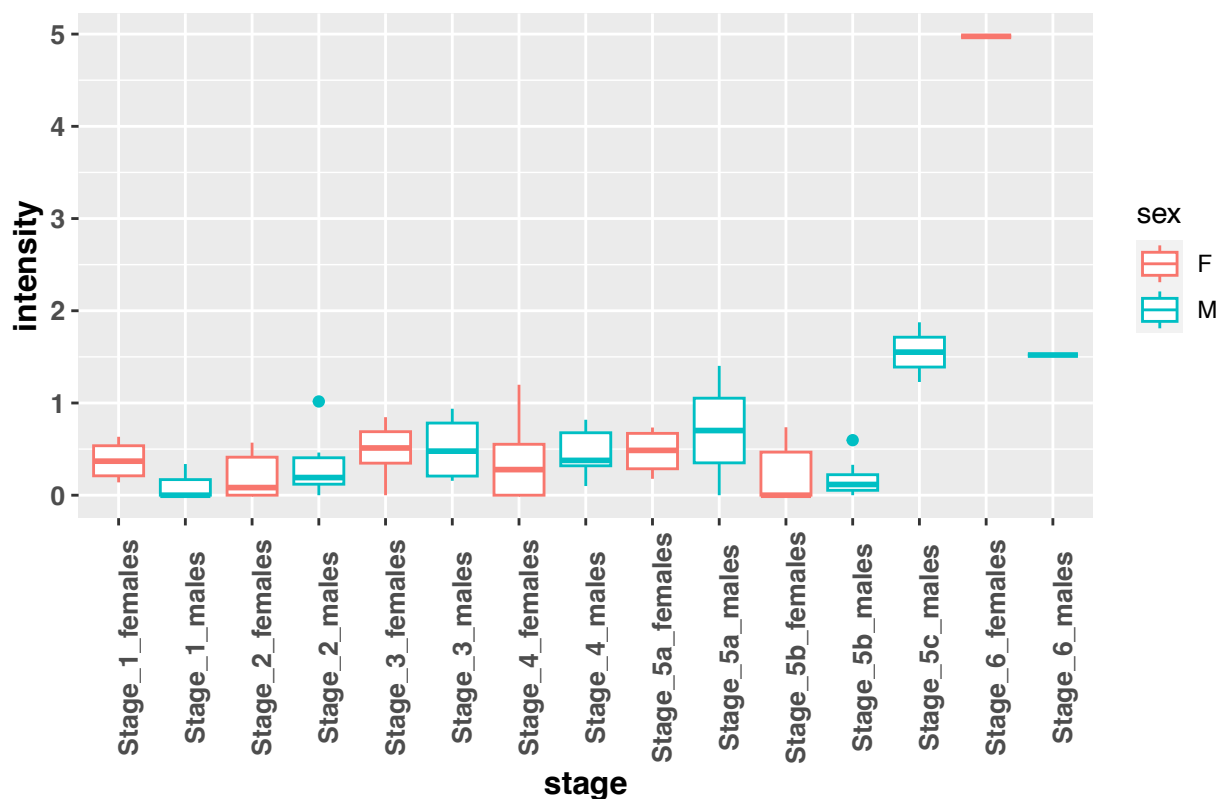
ZDHHC24 bufVir1.6293.2 / FDR= 0.995329573911054



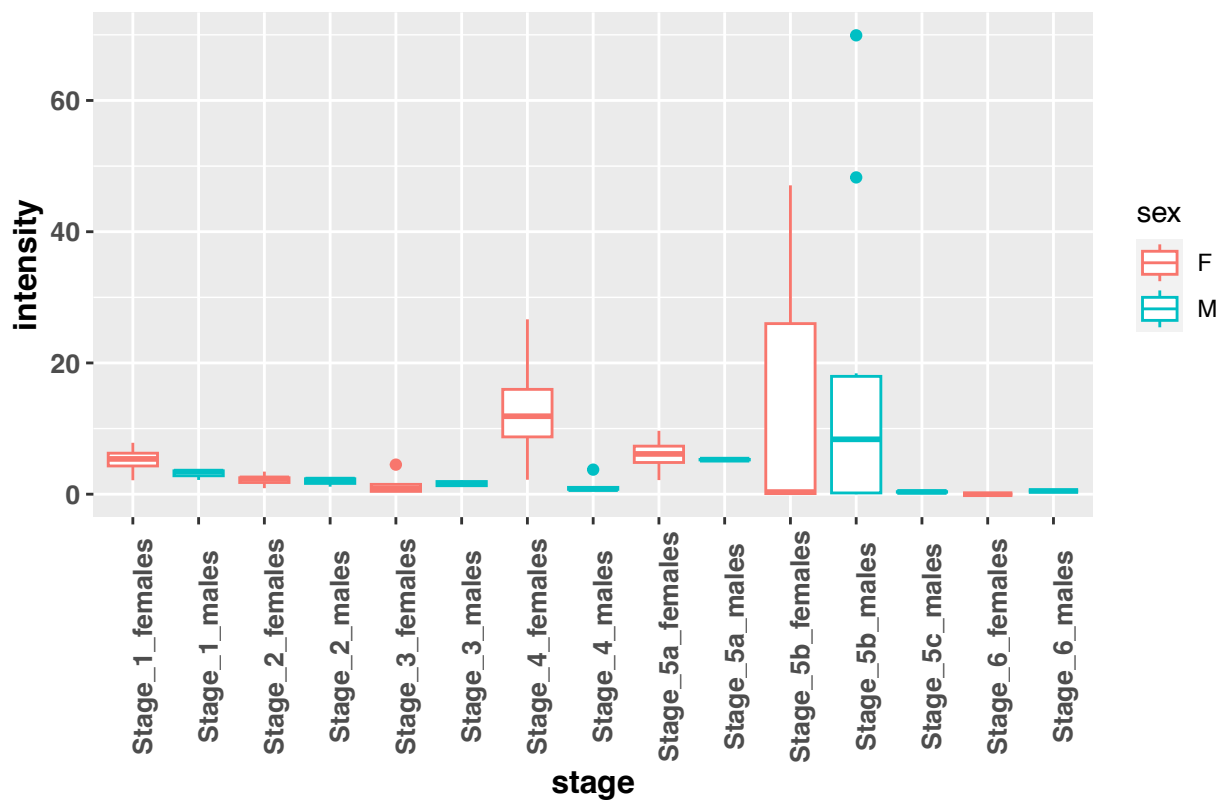
zdhhc7 bufVir1.6763.1 / FDR= 0.884741273793335

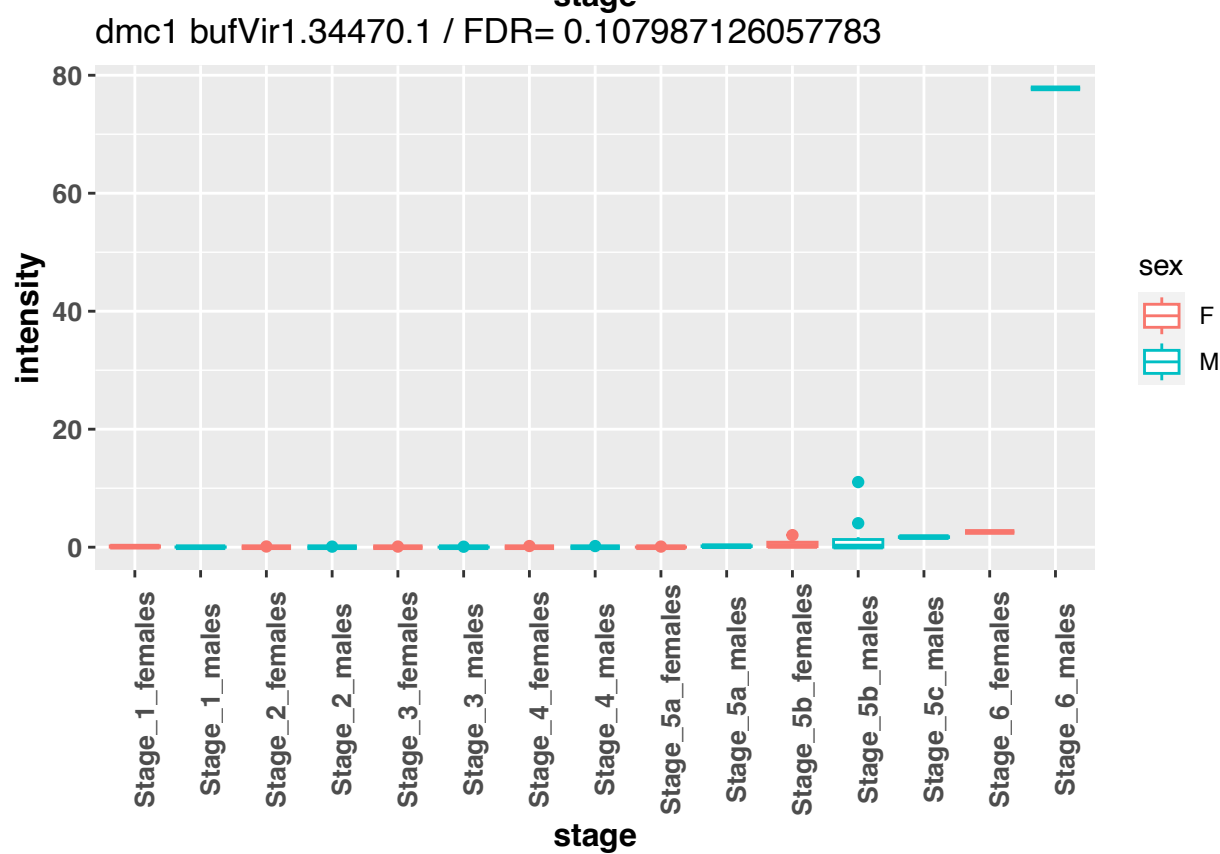
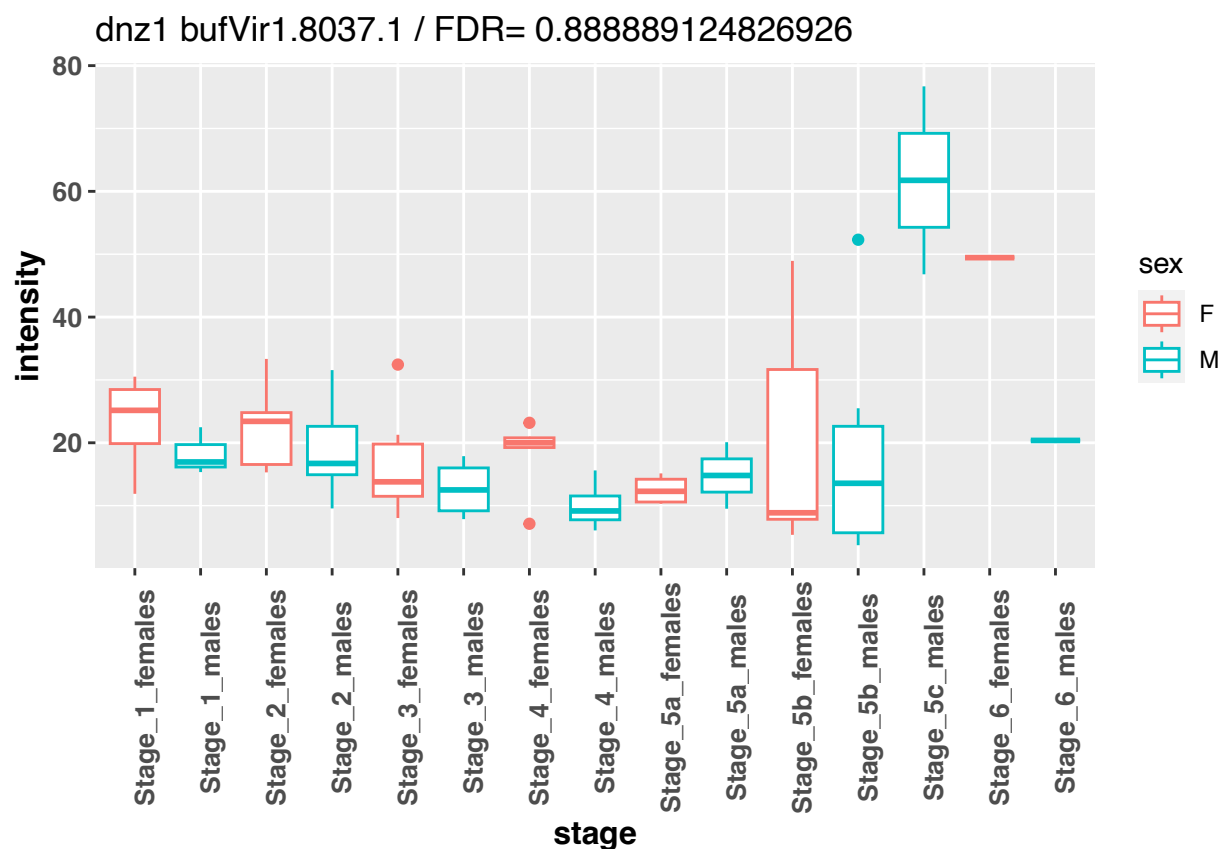


zdhhc14 bufVir1.6882.1 / FDR= 0.999980732933913

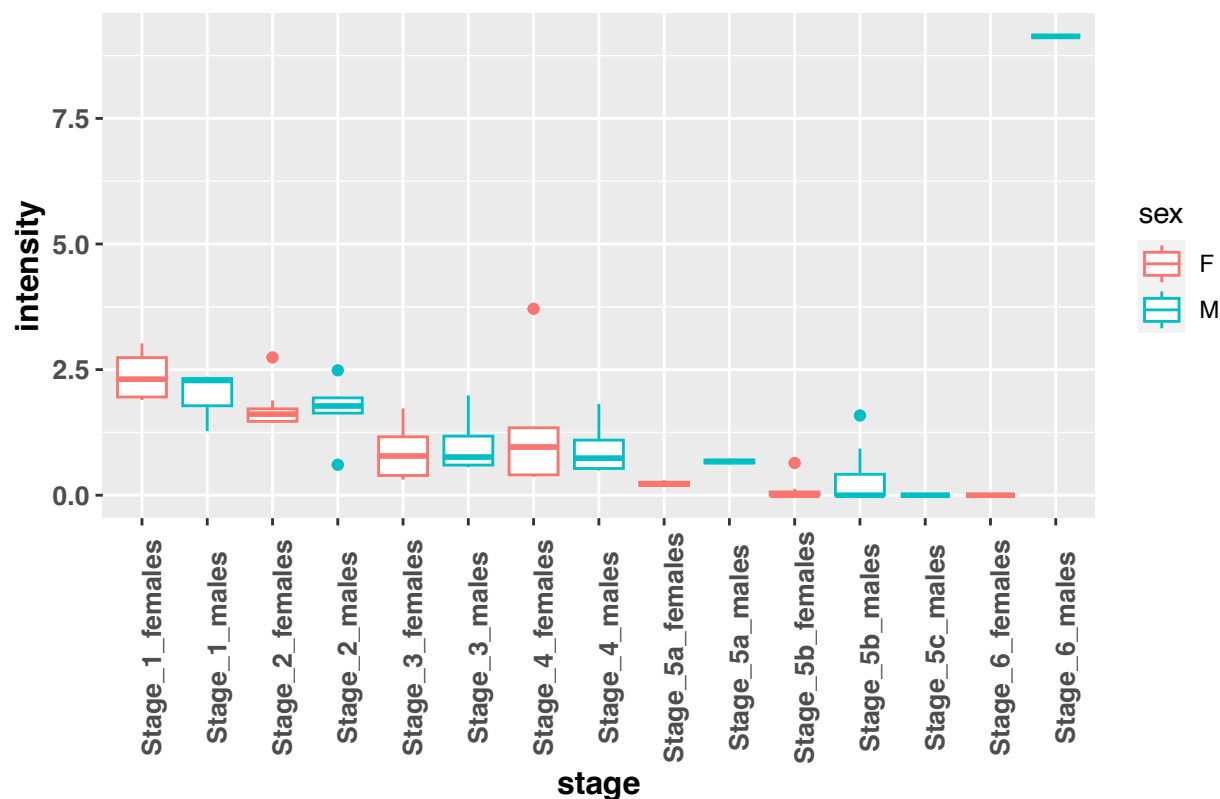


zdhhc22 bufVir1.6965.1 / FDR= 0.178903938252454

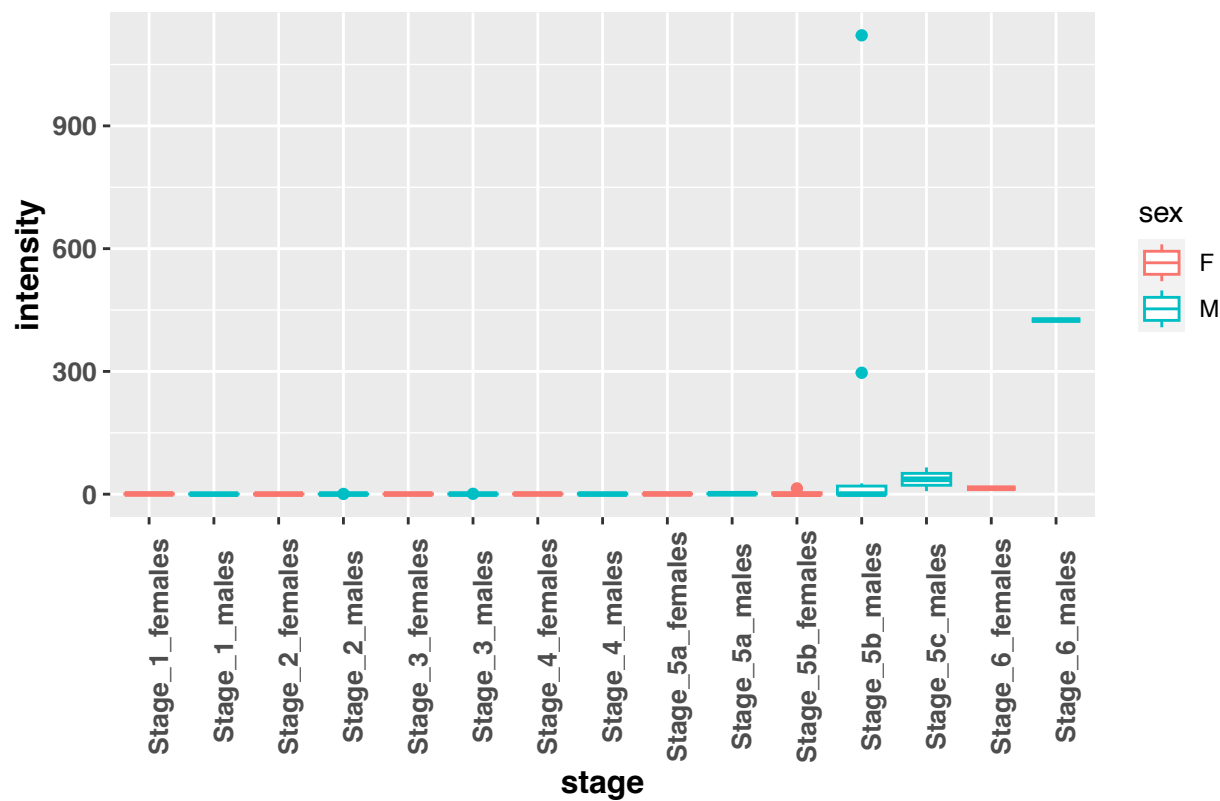




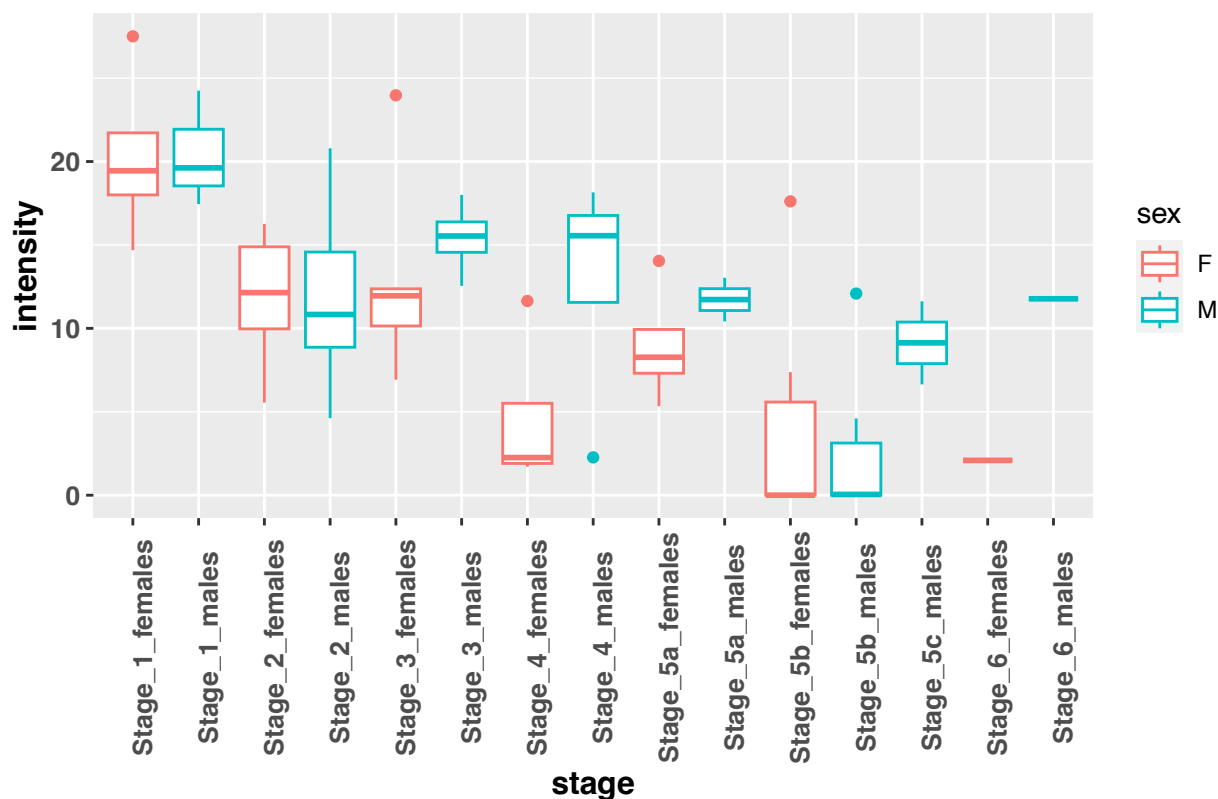
DMRT3 bufVir1.2375.1 / FDR= 0.936113254736721



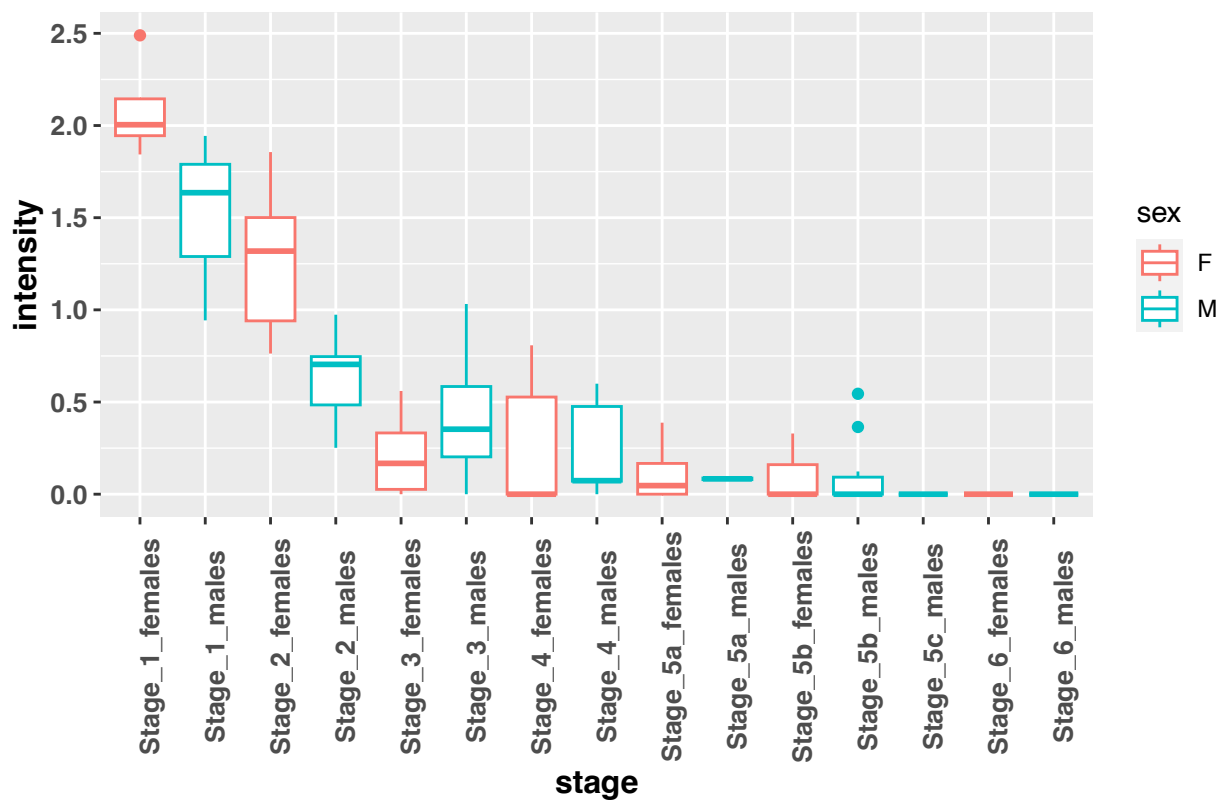
dmrt1 bufVir1.2376.1 / FDR= 3.48775941424115e-05

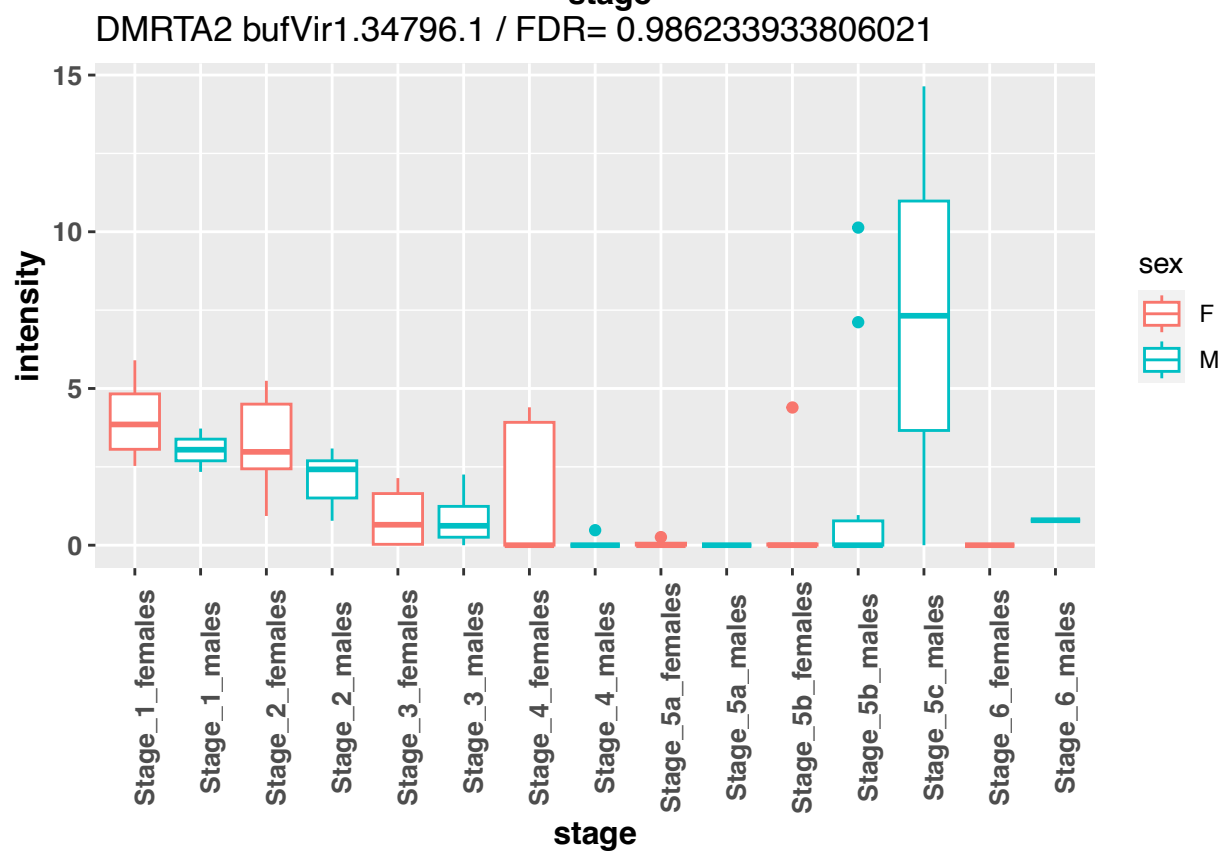
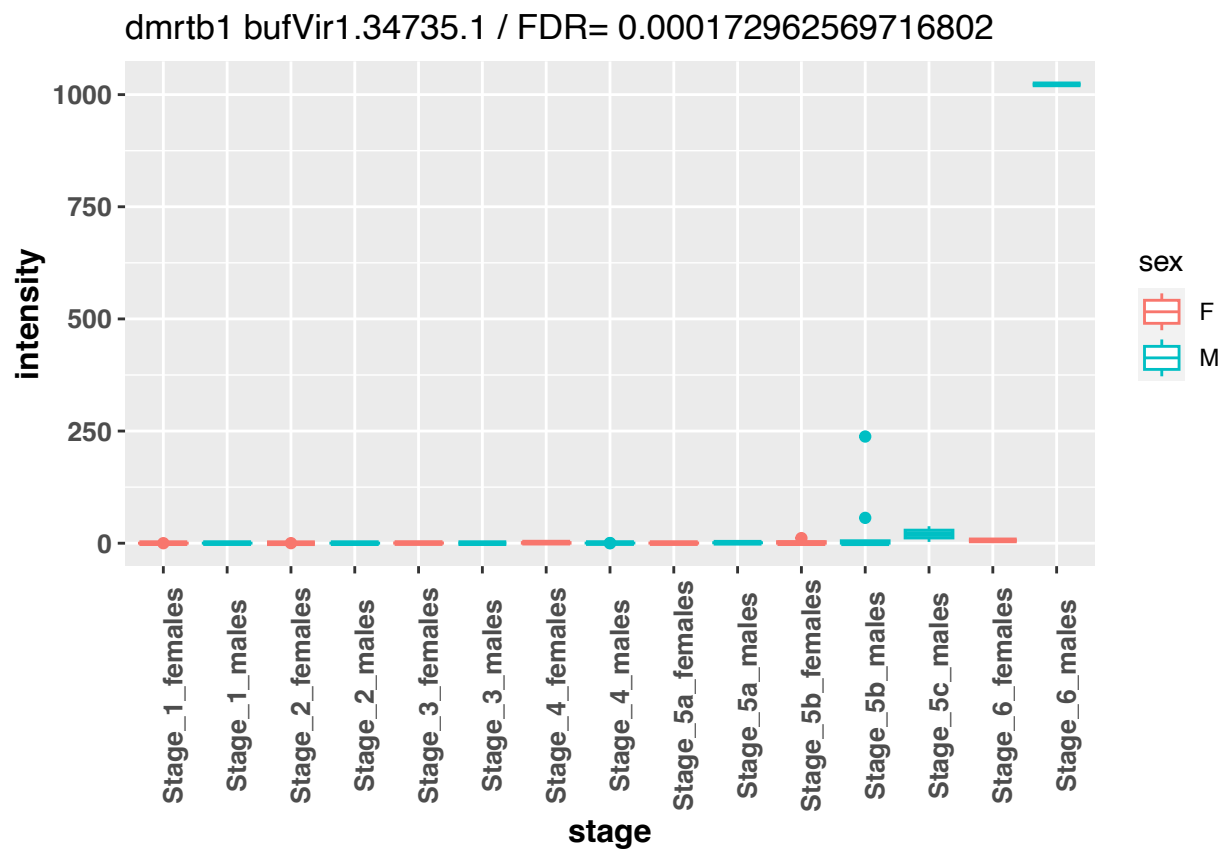


DMRT2 bufVir1.2379.1 / FDR= 0.960747361809433

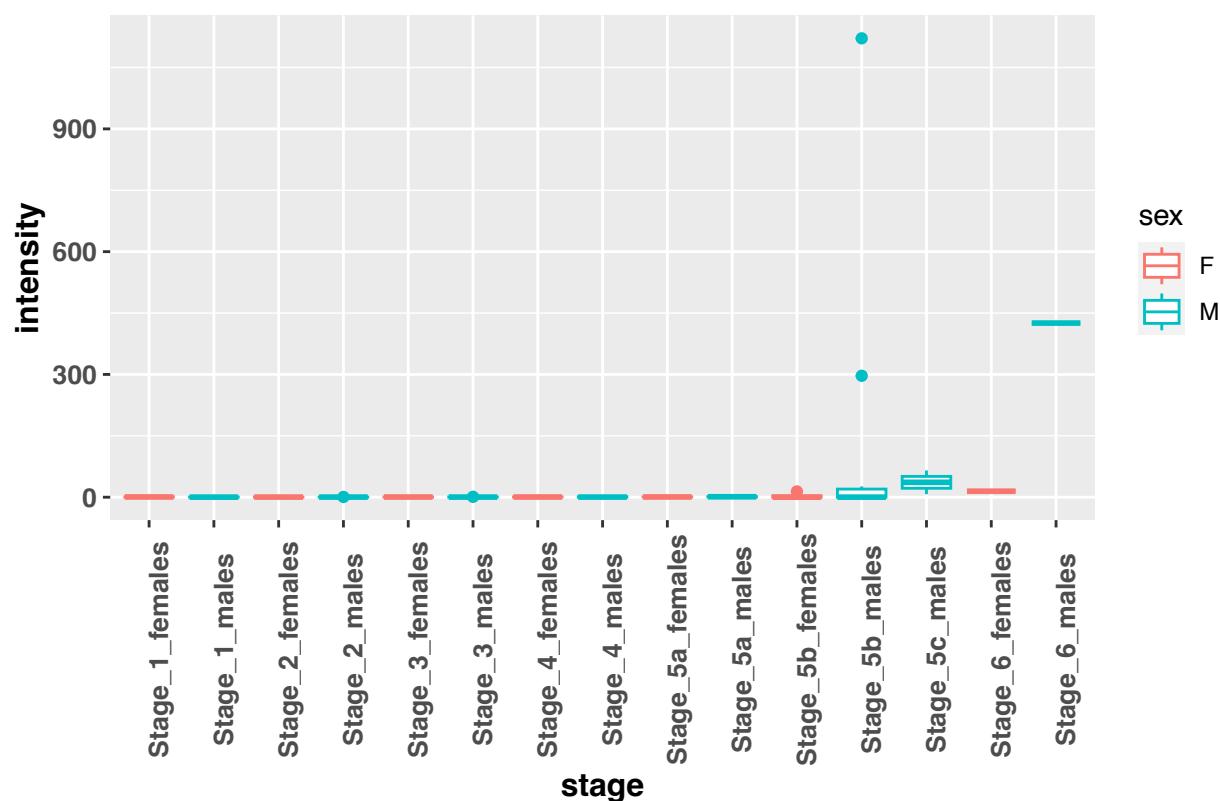


DMRTA1 bufVir1.2518.1 / FDR= 0.999980732933913

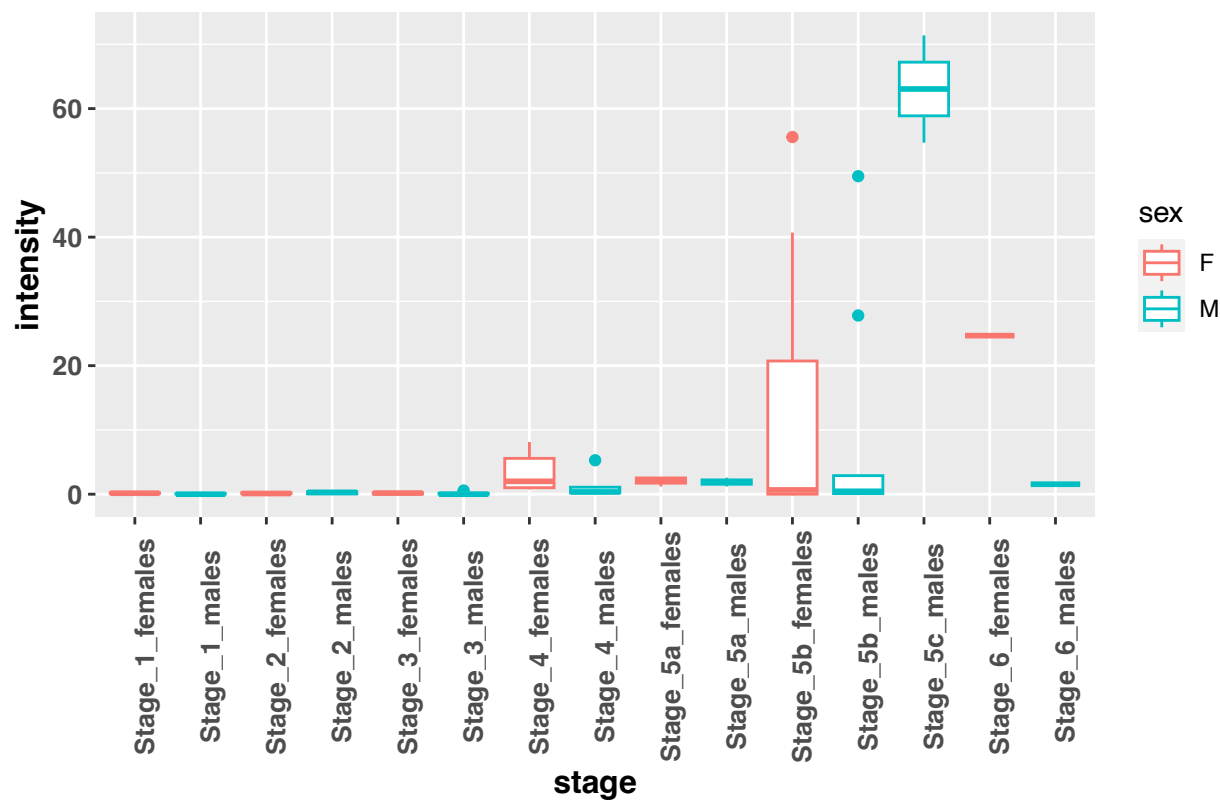




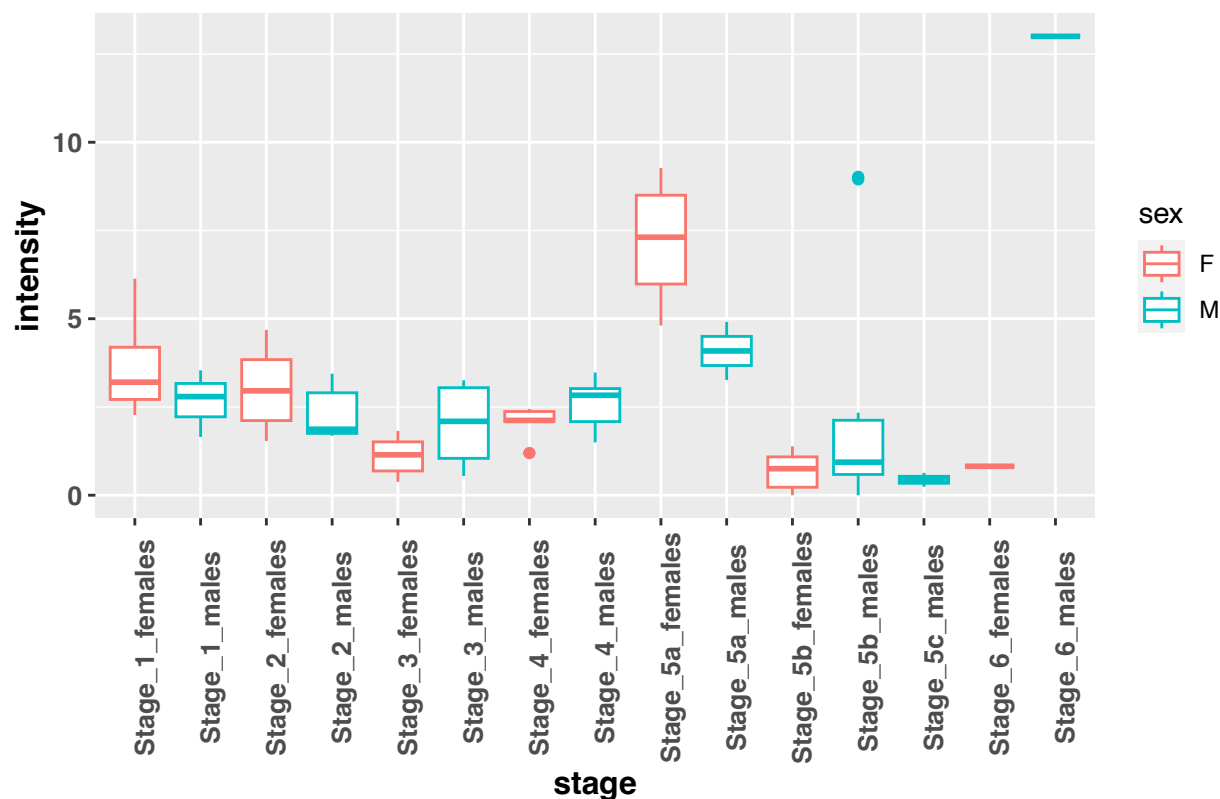
dmrt1 bufVir1.2376.1 / FDR= 3.48775941424115e-05



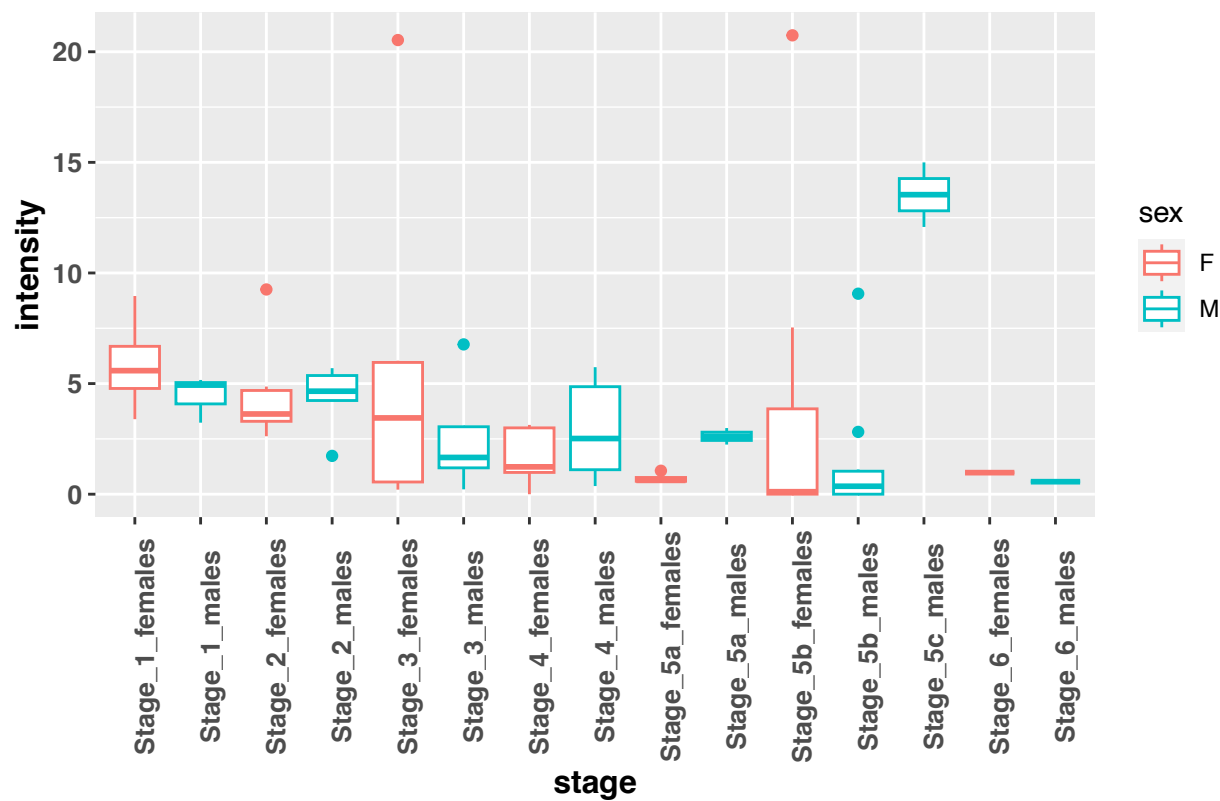
ESR2 bufVir1.8351.1 / FDR= 0.687782973253392



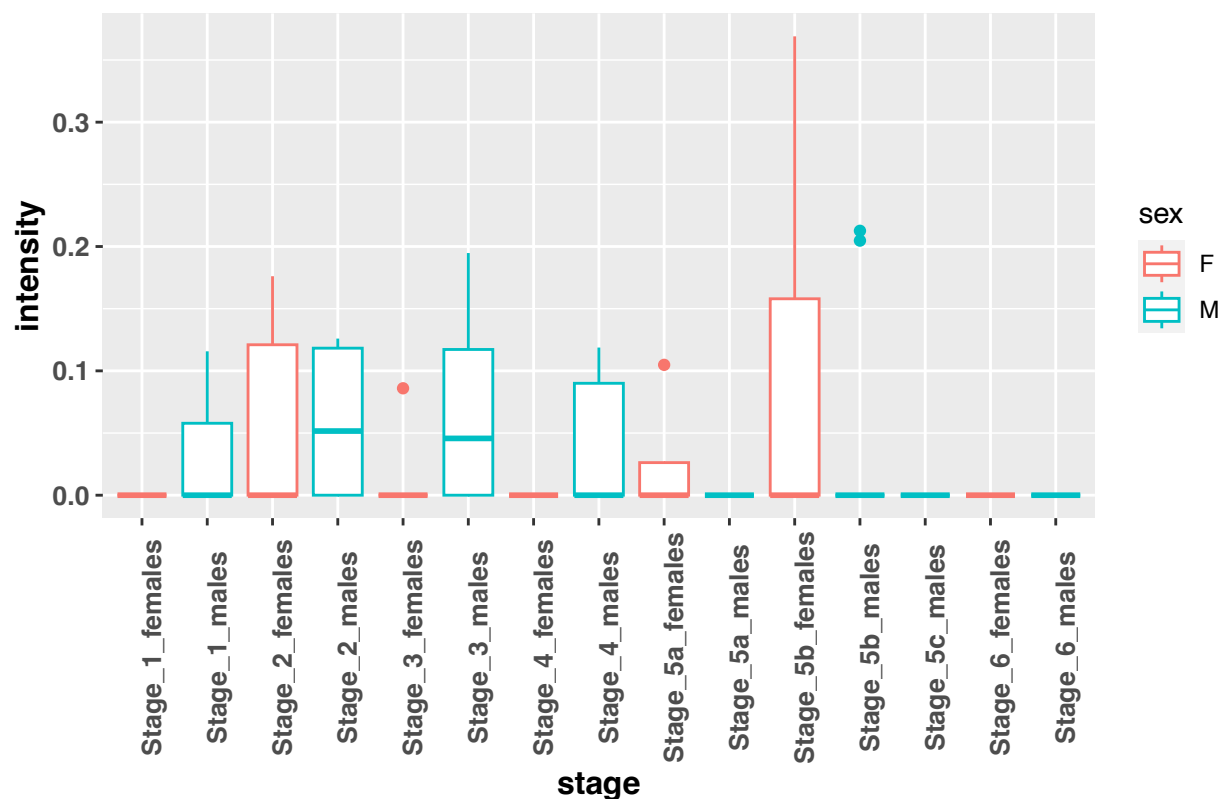
FGF16 bufVir1.36218.1 / FDR= 0.972634224925244



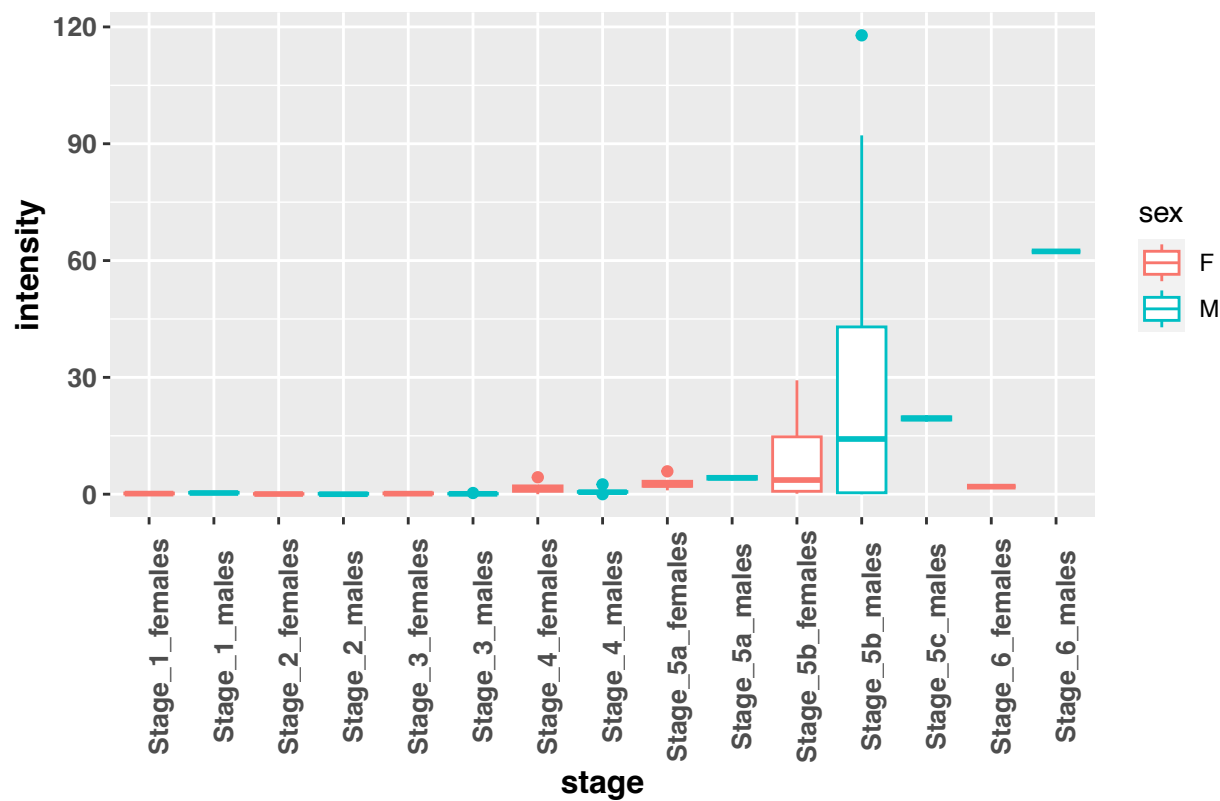
FOXL2 bufVir1.20812.1 / FDR= 0.99998739121859



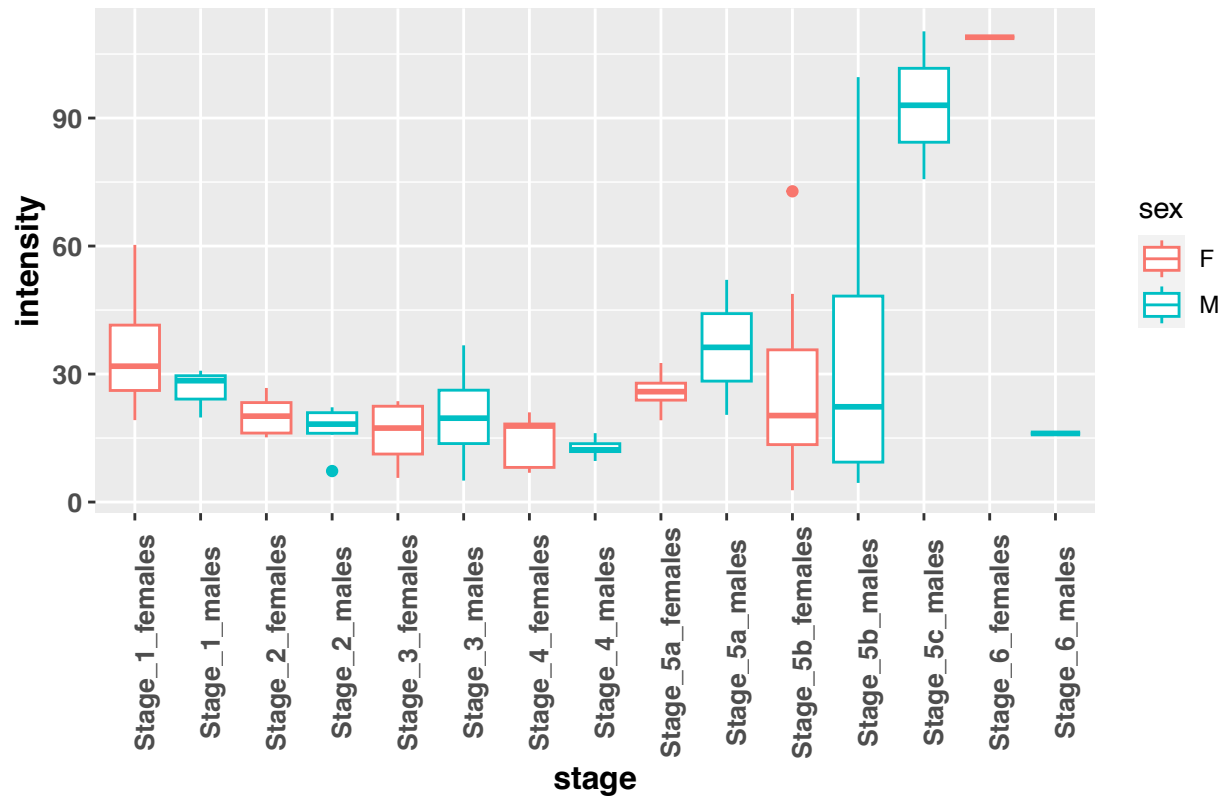
FOXL2 bufVir1.3151.1 / FDR= NA



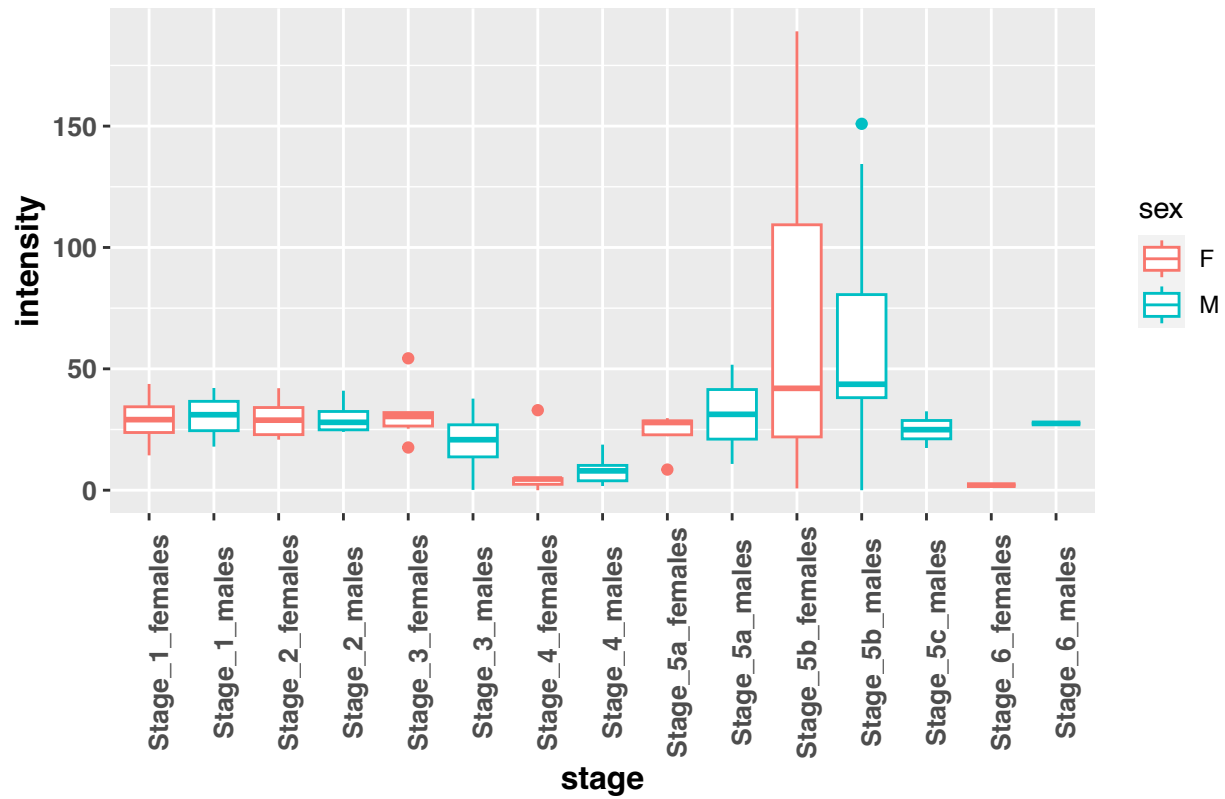
FSHR bufVir1.23332.1 / FDR= 0.54493467081535



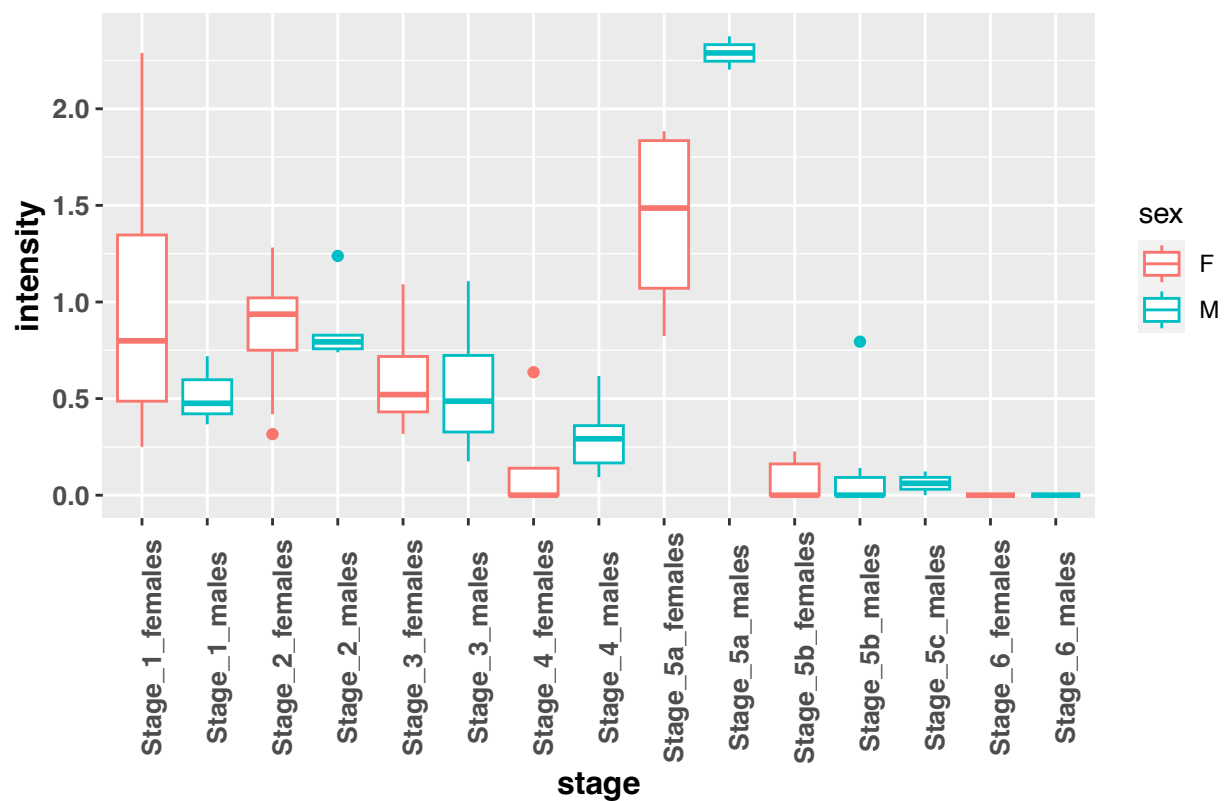
FZD7 bufVir1.32536.1 / FDR= 0.995329573911054



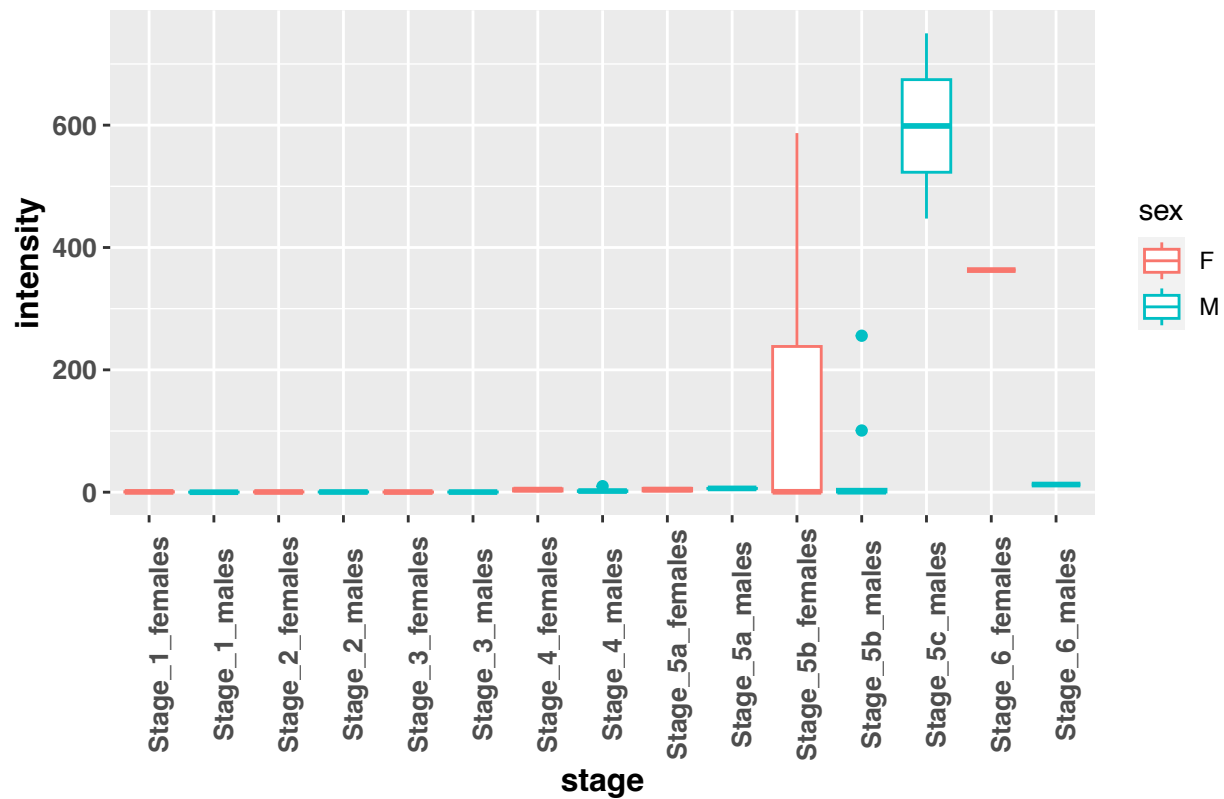
GATA4 bufVir1.20146.1 / FDR= 0.999980732933913



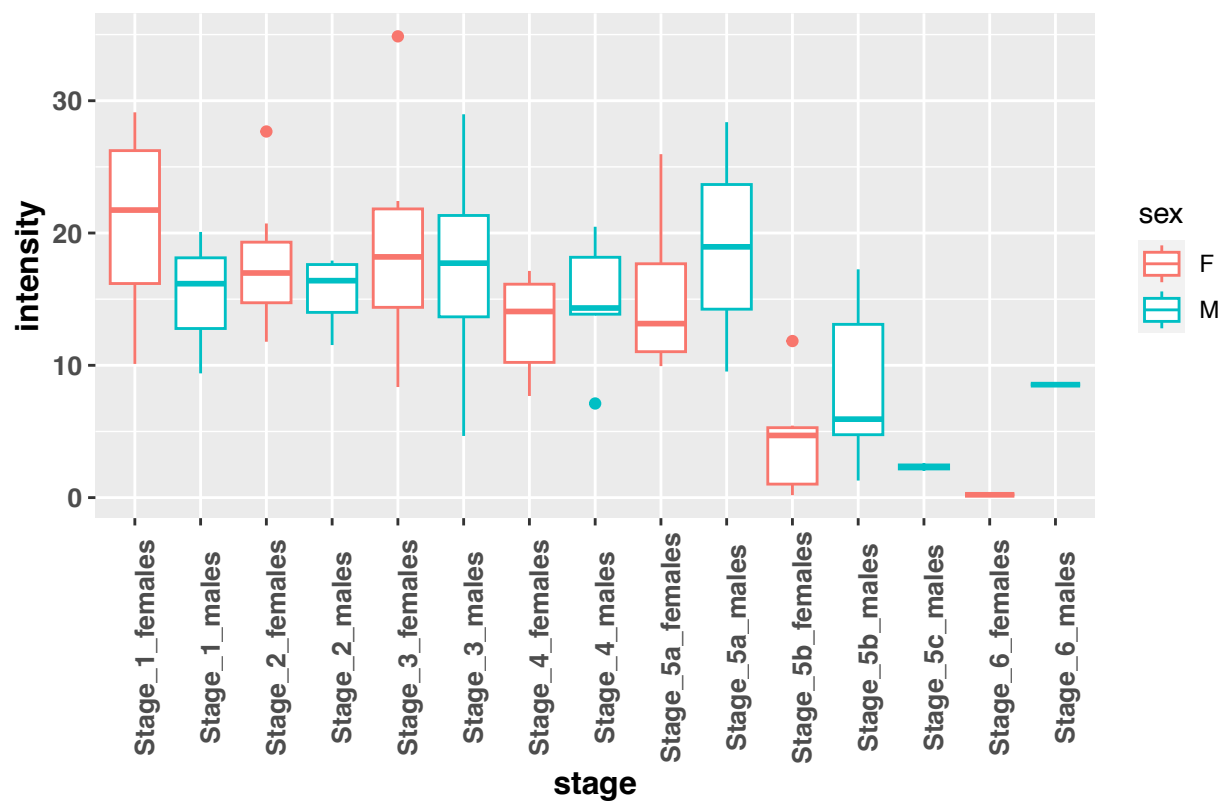
GDF6 bufVir1.24980.1 / FDR= 0.999980732933913



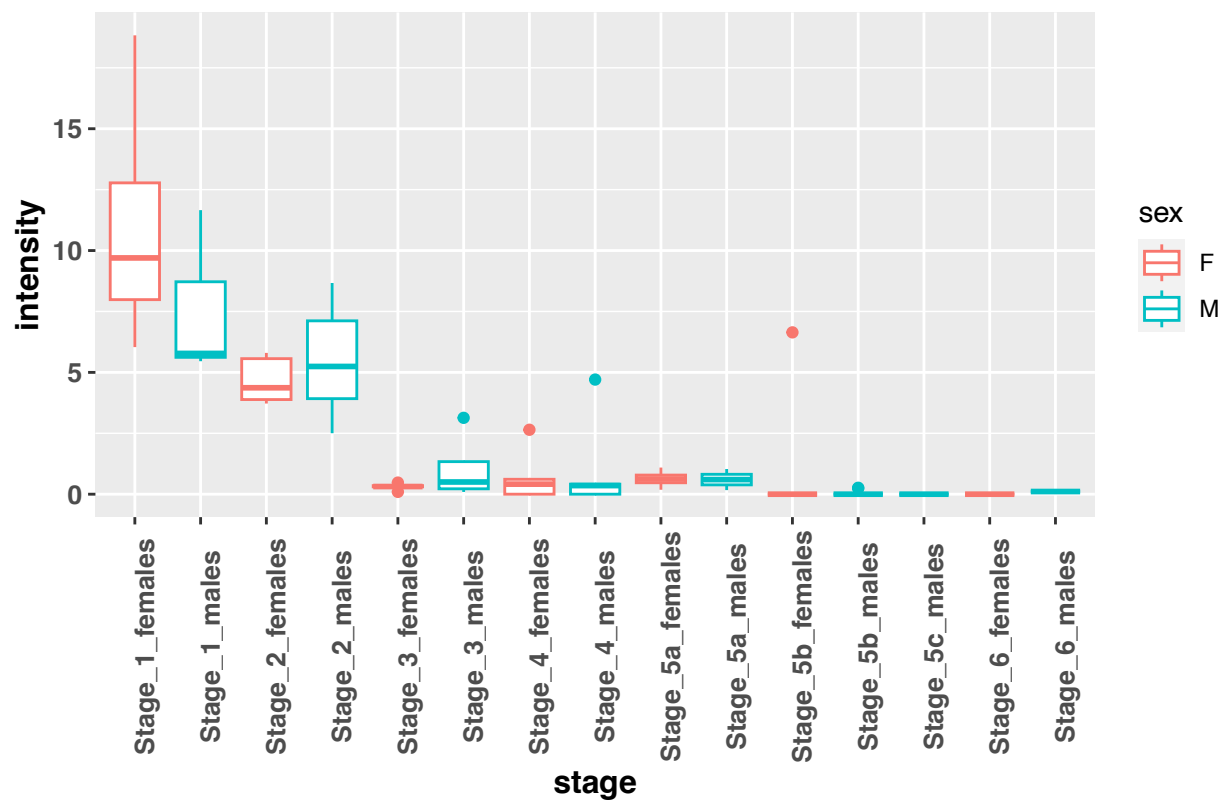
GDF9 bufVir1.11808.1 / FDR= 0.128947601077796



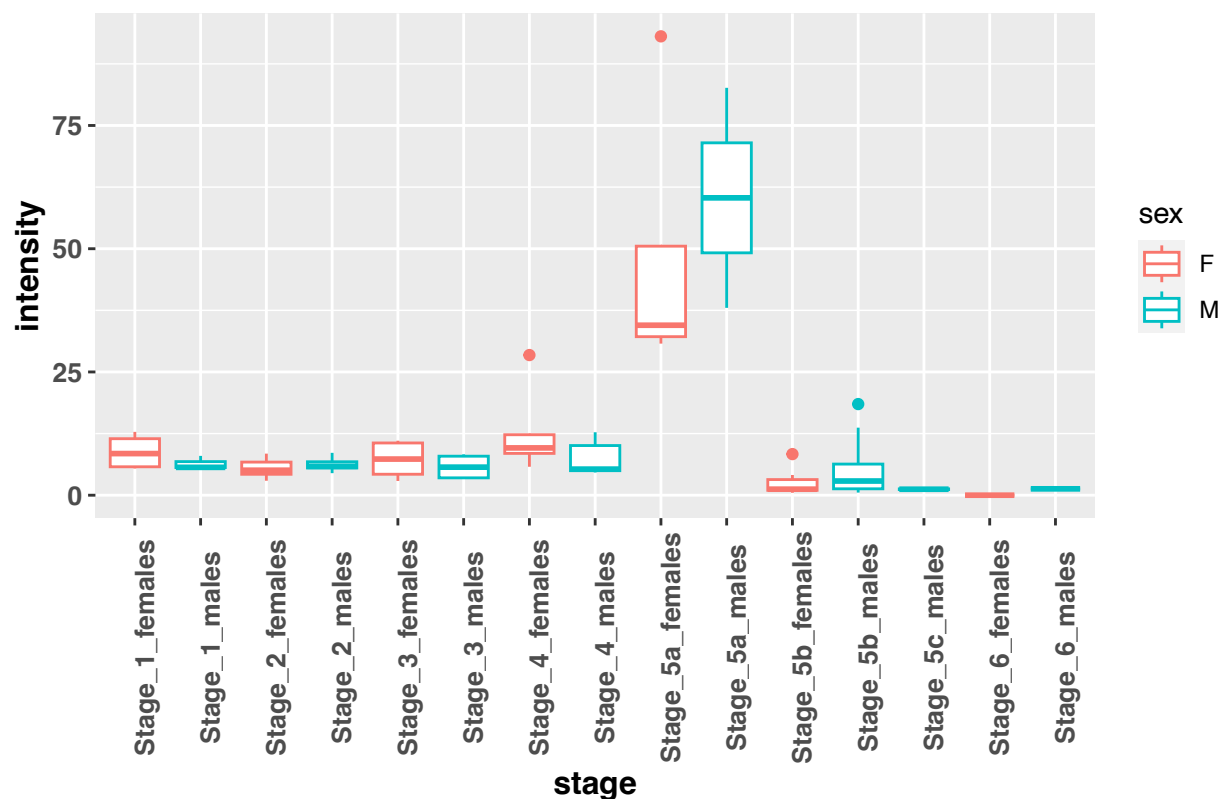
GLI3 bufVir1.25677.1 / FDR= 0.999980732933913



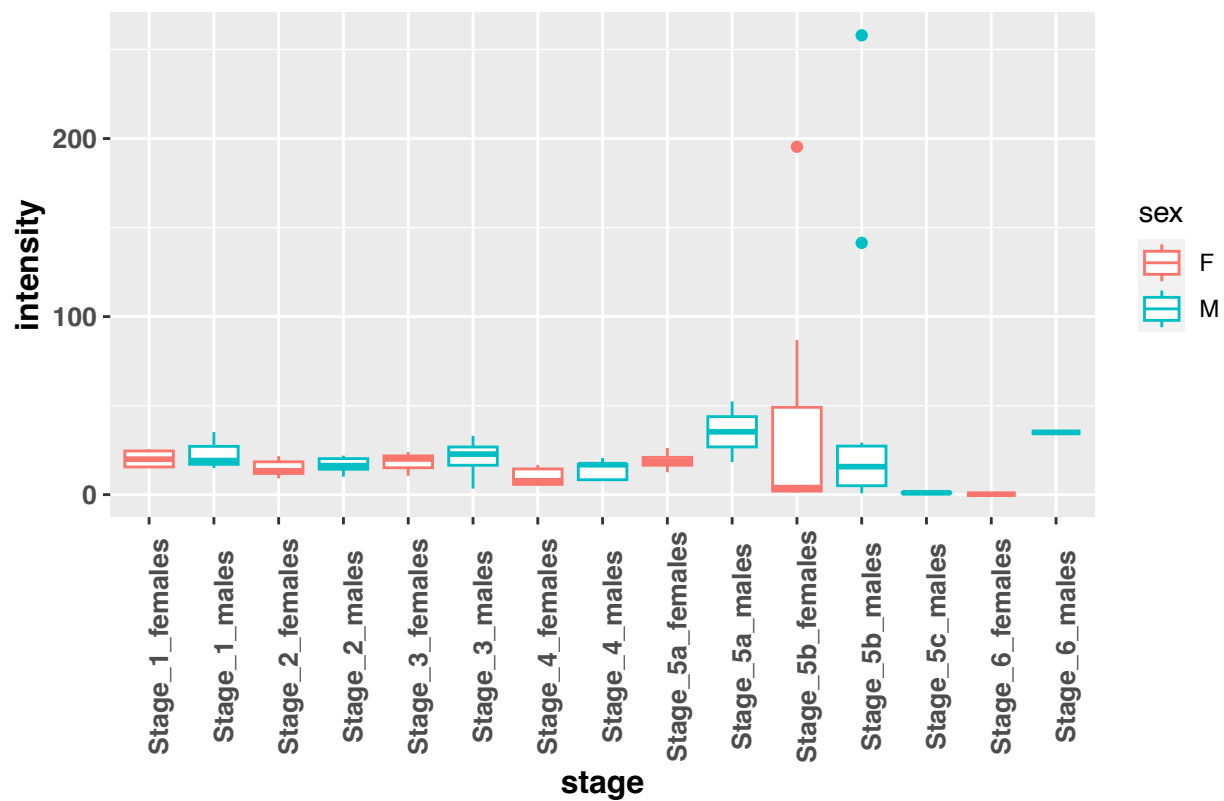
HHIPL2 bufVir1.23474.1 / FDR= 0.999980732933913



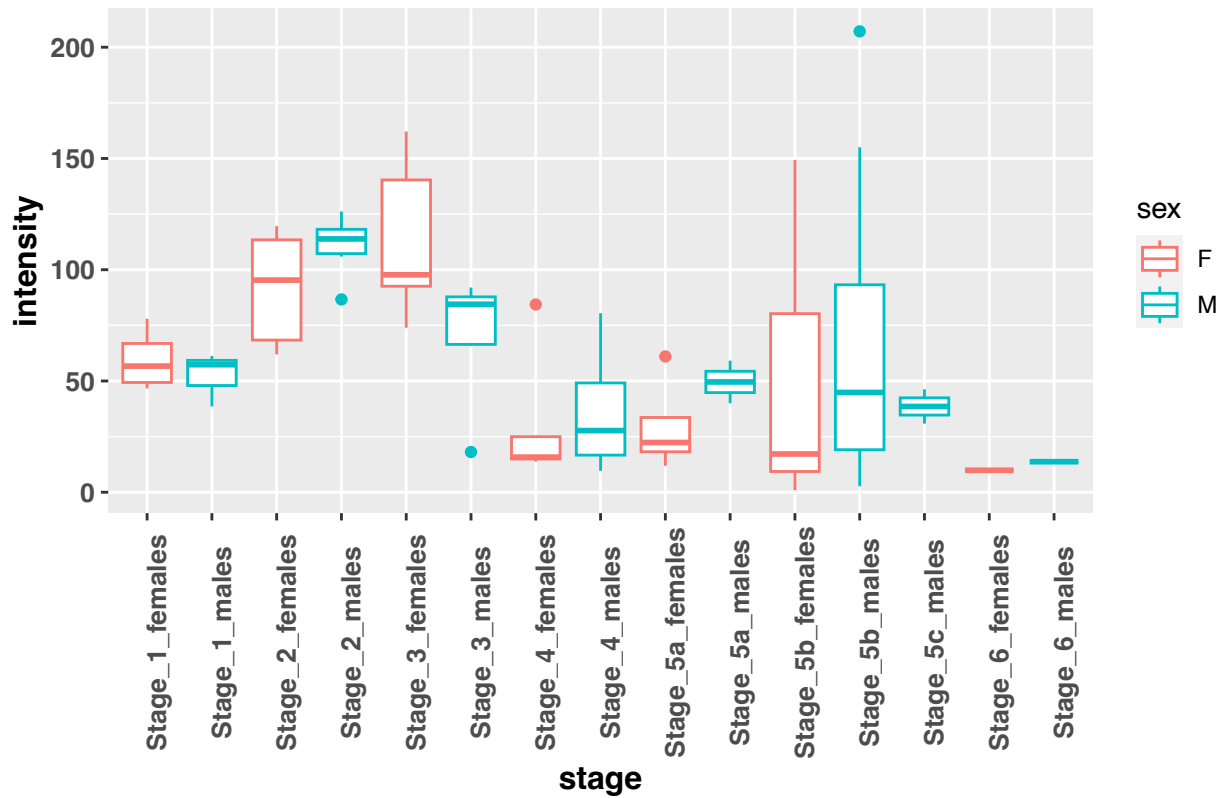
hhpl1l bufVir1.35799.1 / FDR= 0.999980732933913



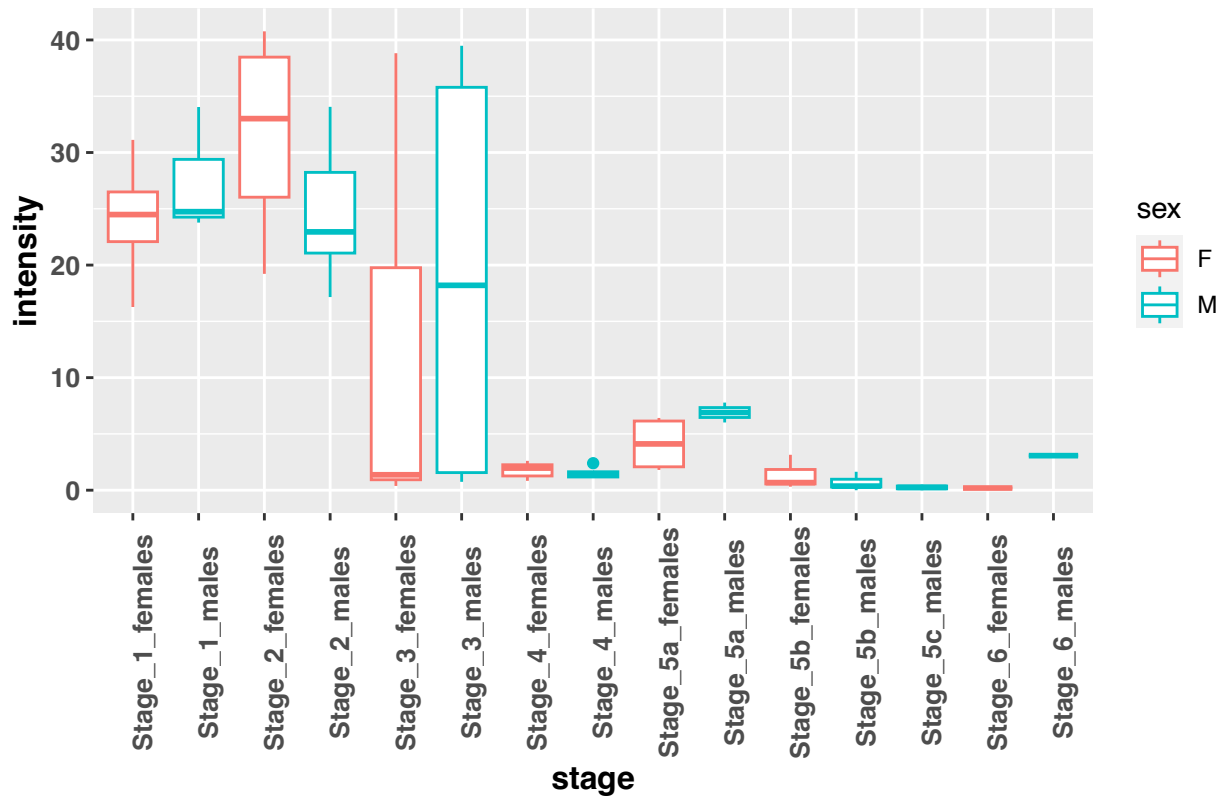
HHIP bufVir1.4208.1 / FDR= 0.999980732933913



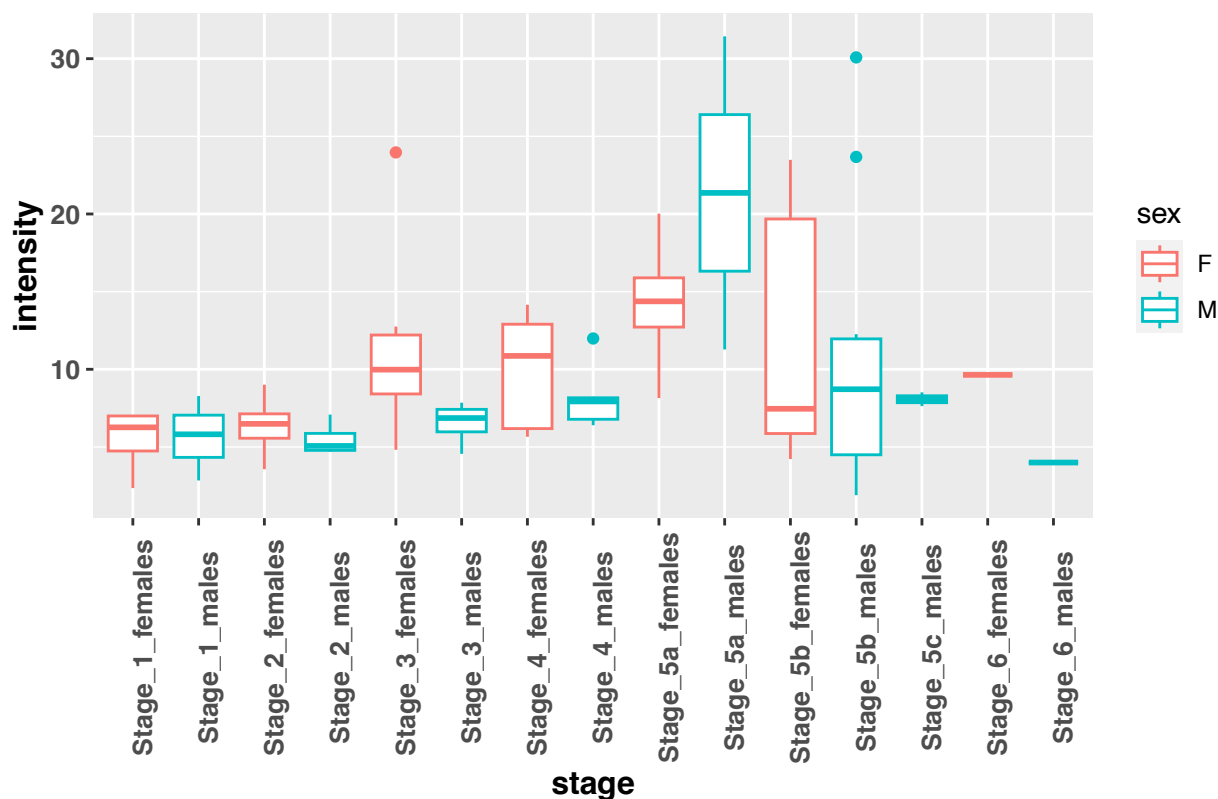
HHIPL1 bufVir1.7053.1 / FDR= 0.989893265189782



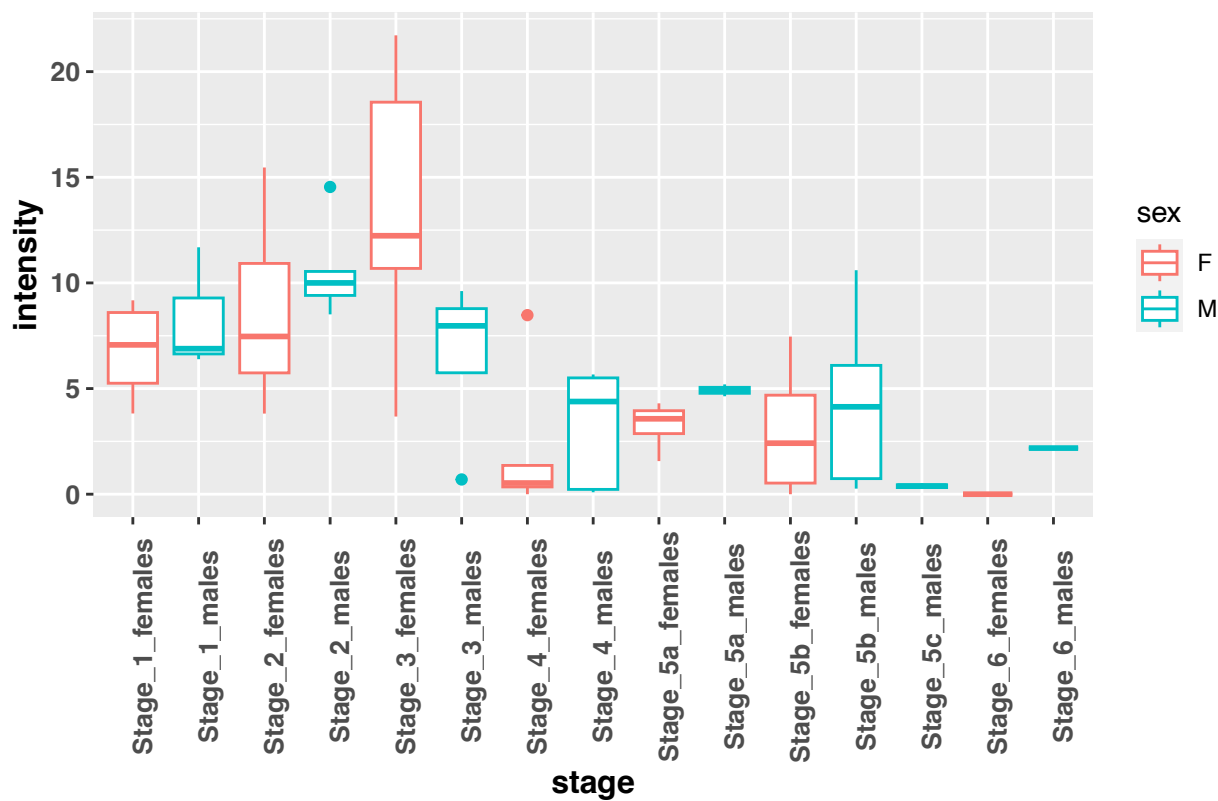
HSD17B12 bufVir1.10501.1 / FDR= 0.999980732933913

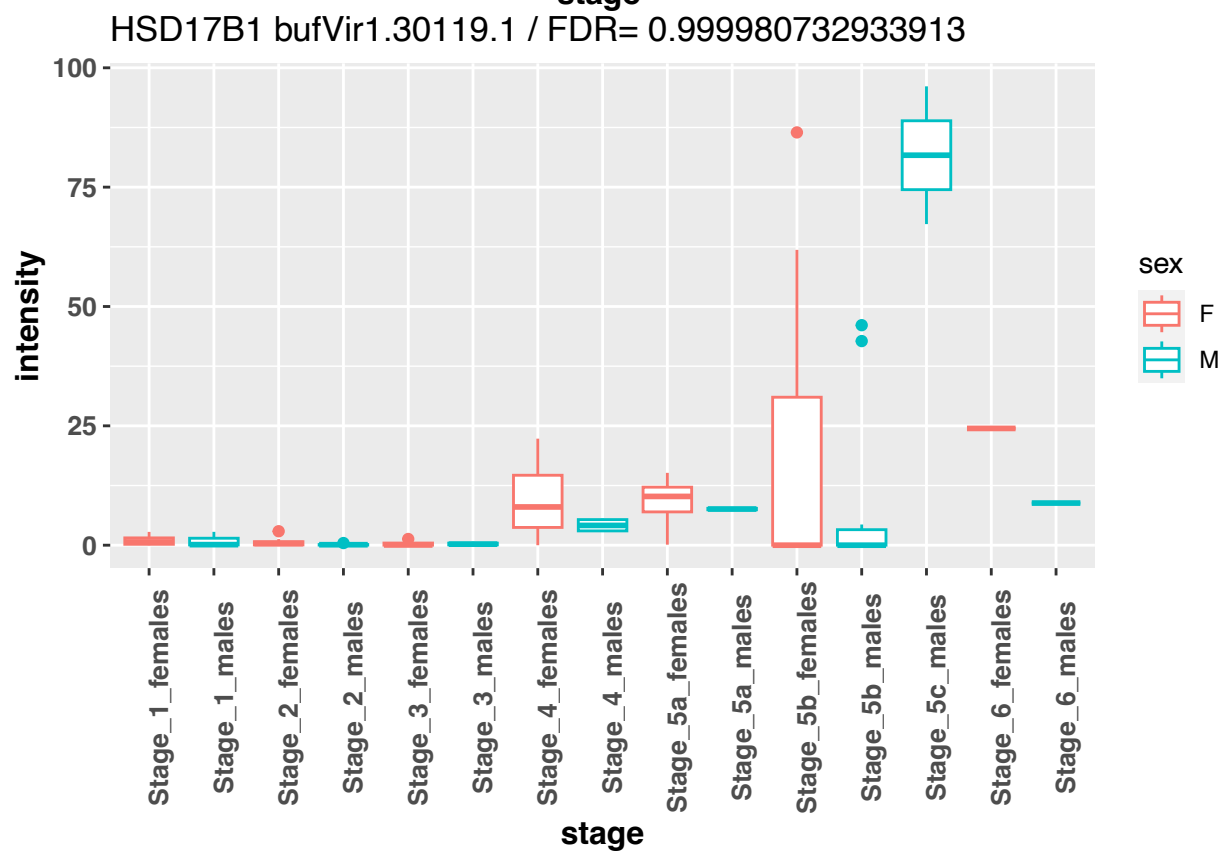
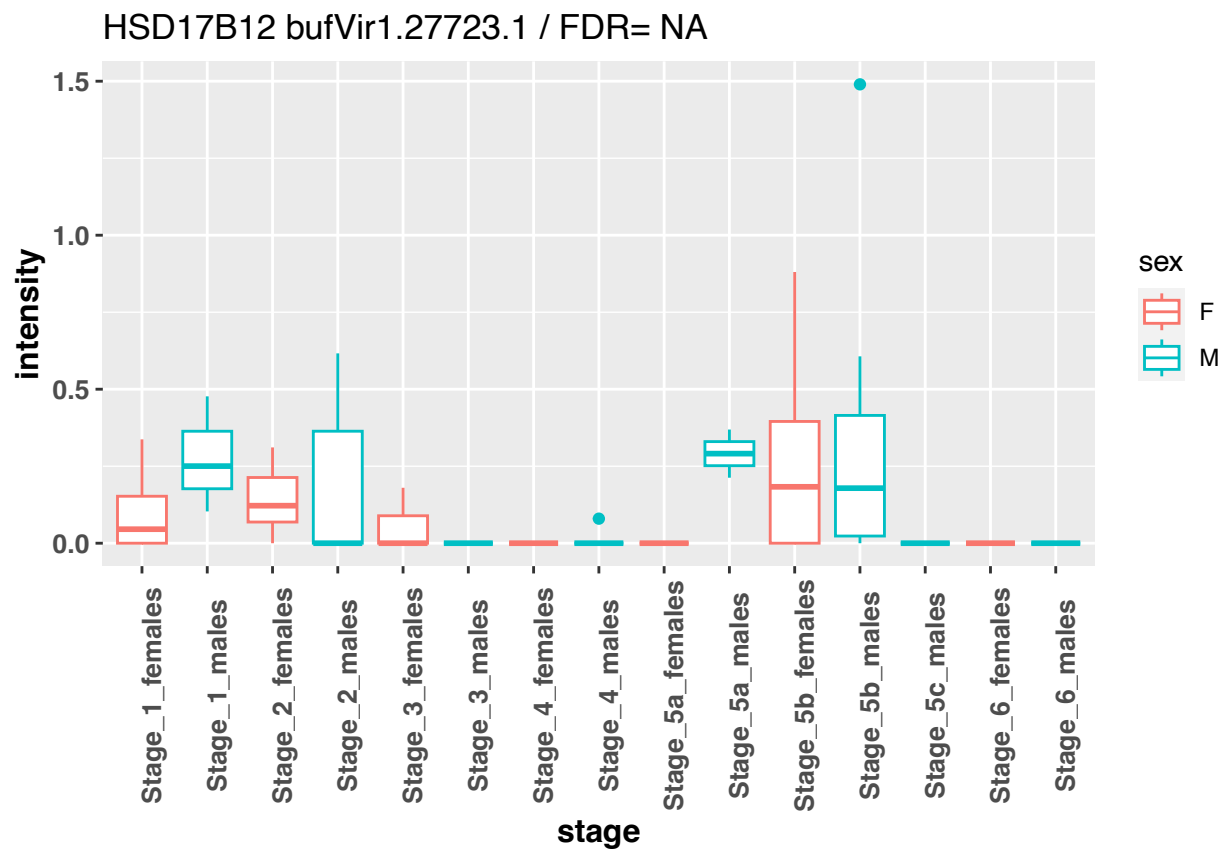


HSD17B14 bufVir1.13040.1 / FDR= 0.999980732933913

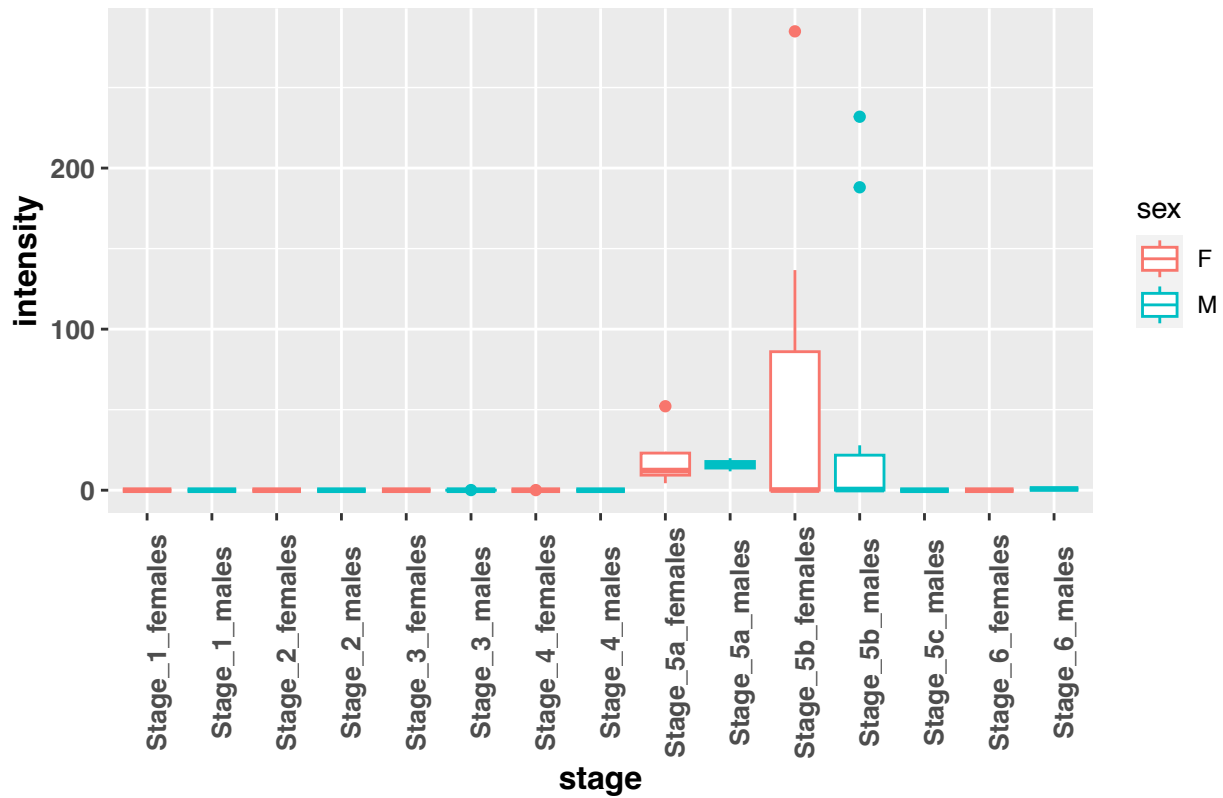


hsd17b11 bufVir1.27687.1 / FDR= 0.999980732933913

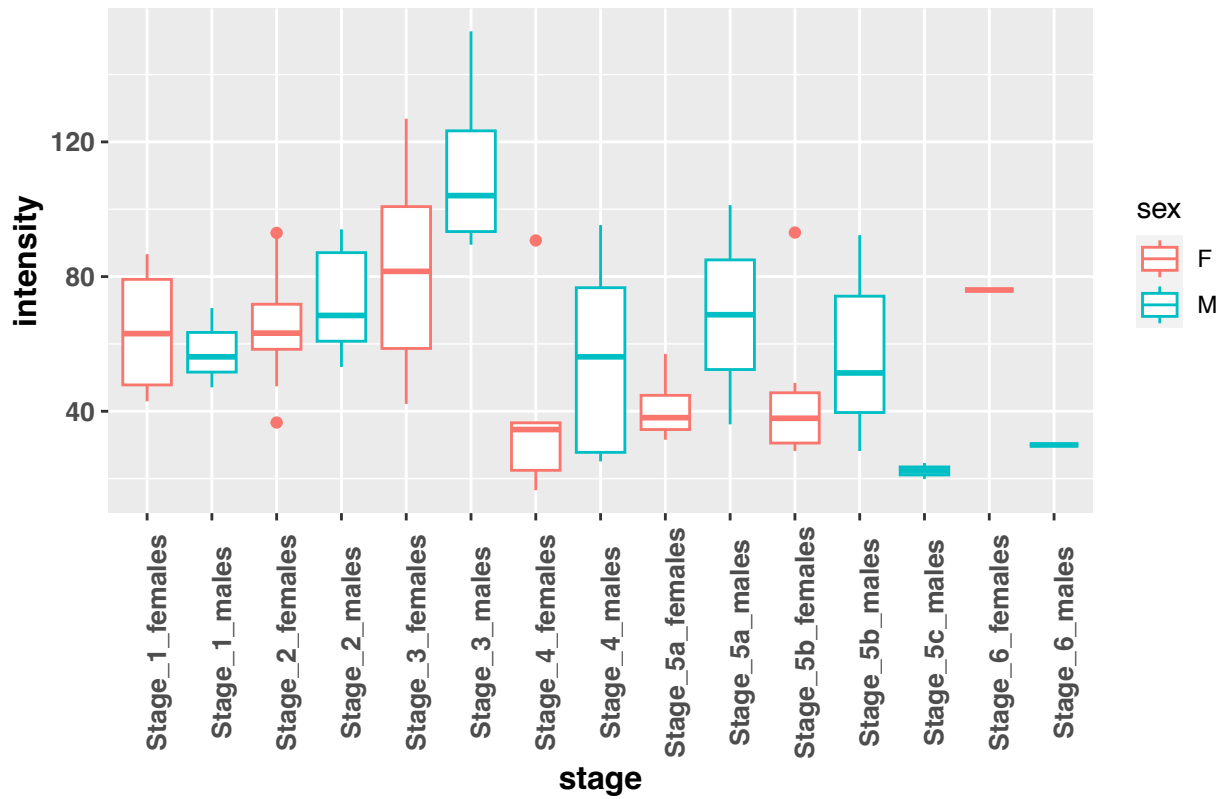




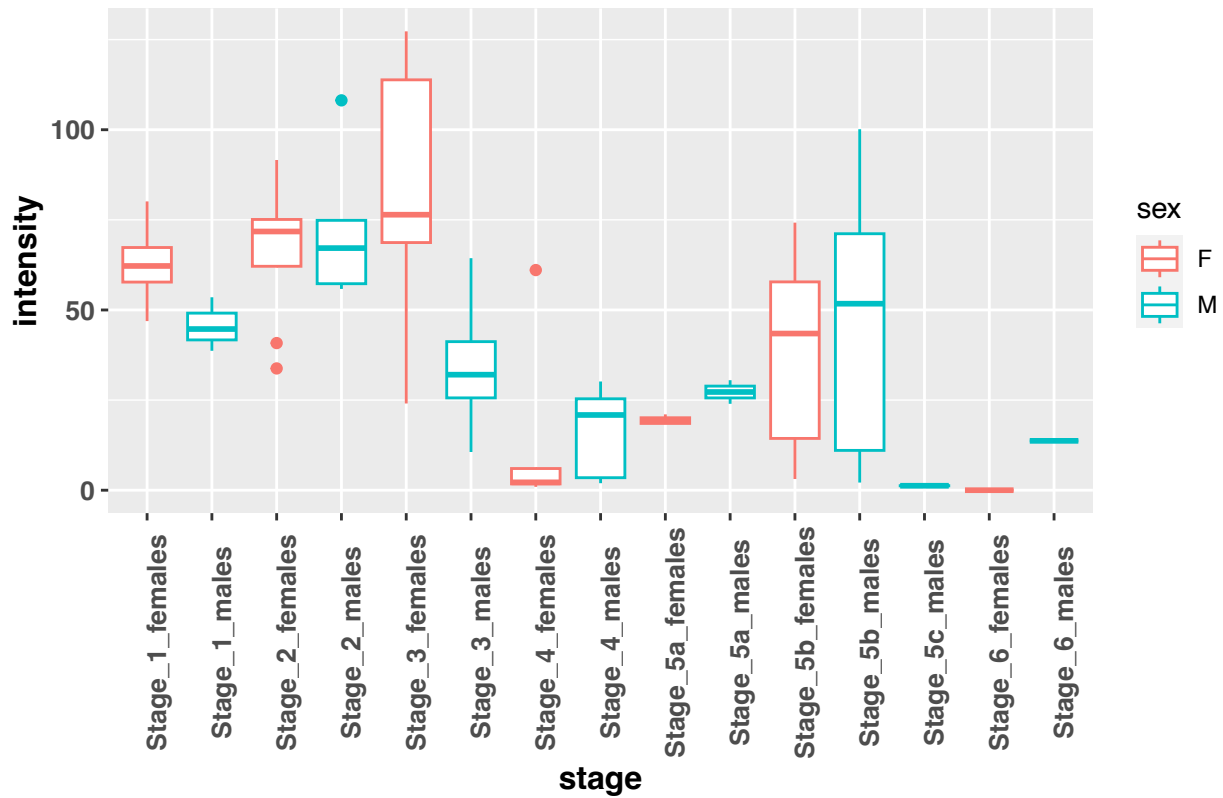
hsd17b13 bufVir1.3572.1 / FDR= 0.999980732933913



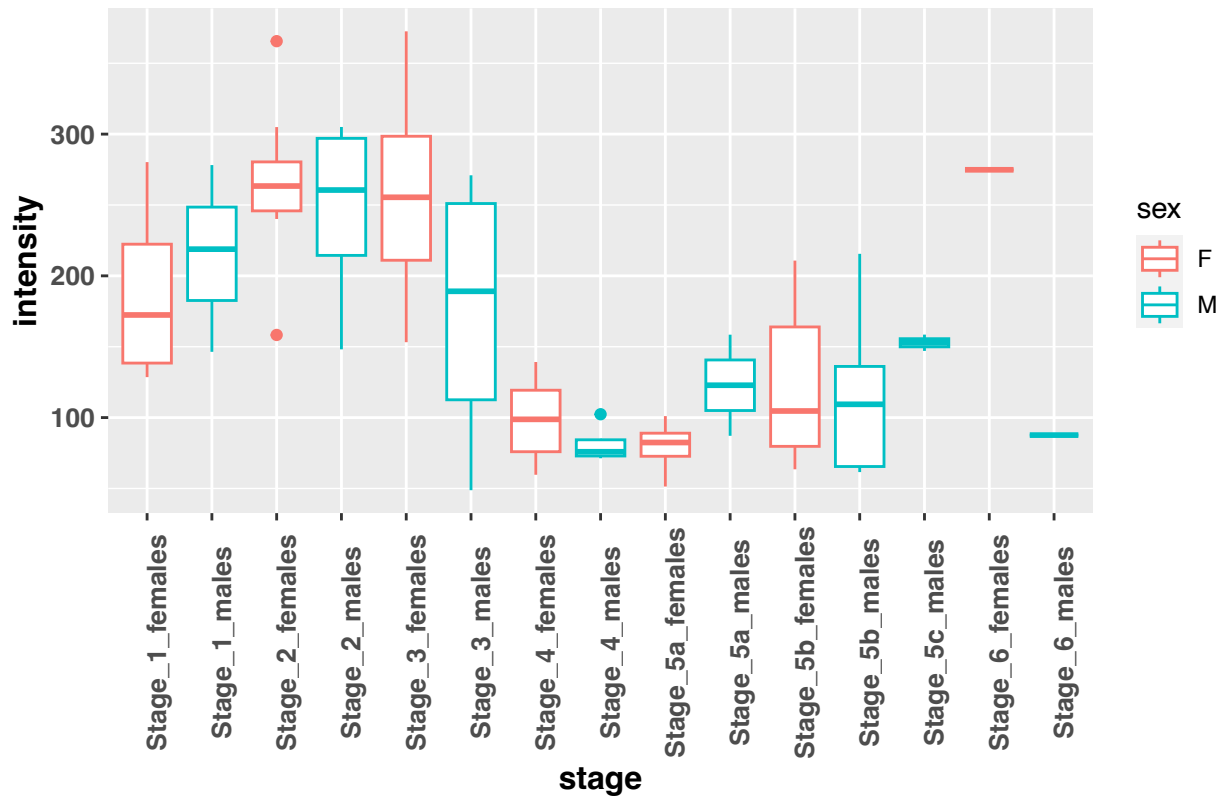
HSD17B10 bufVir1.36725.1 / FDR= 0.970917879009623

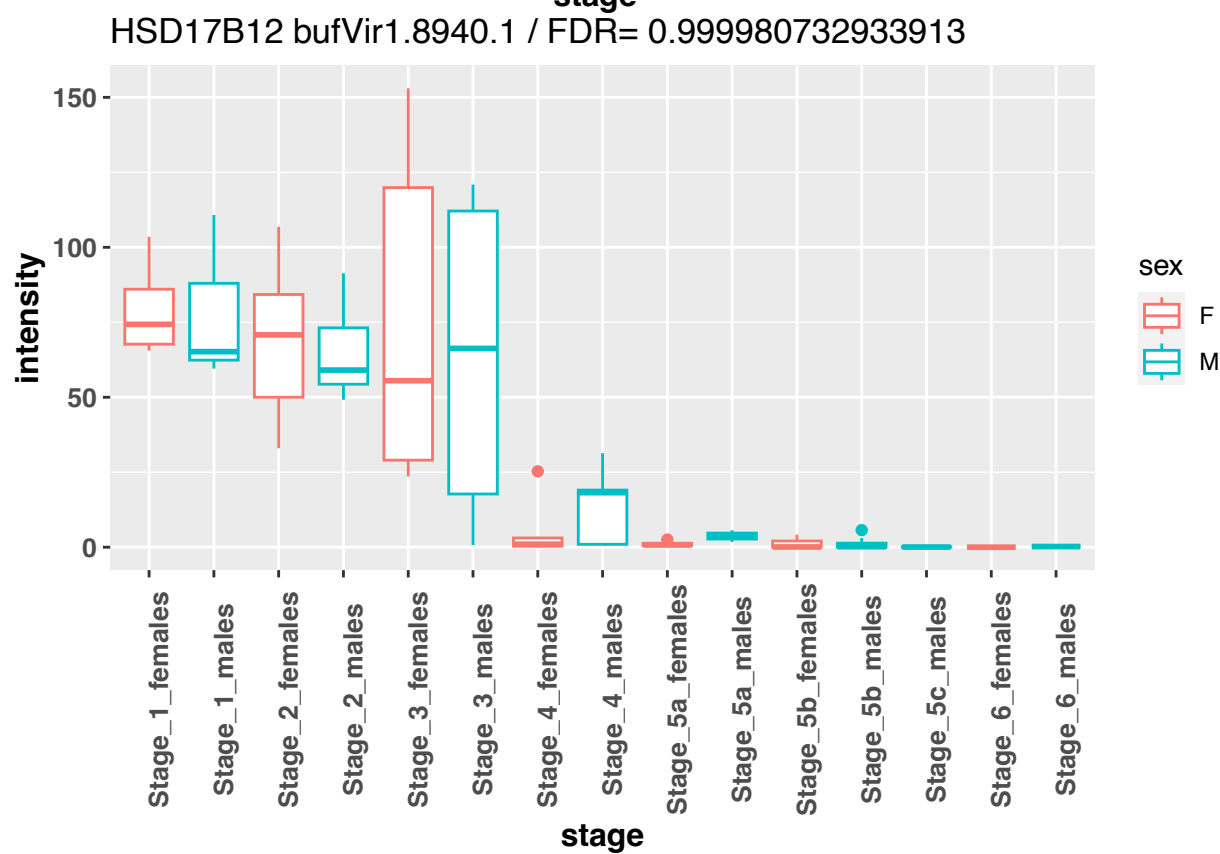
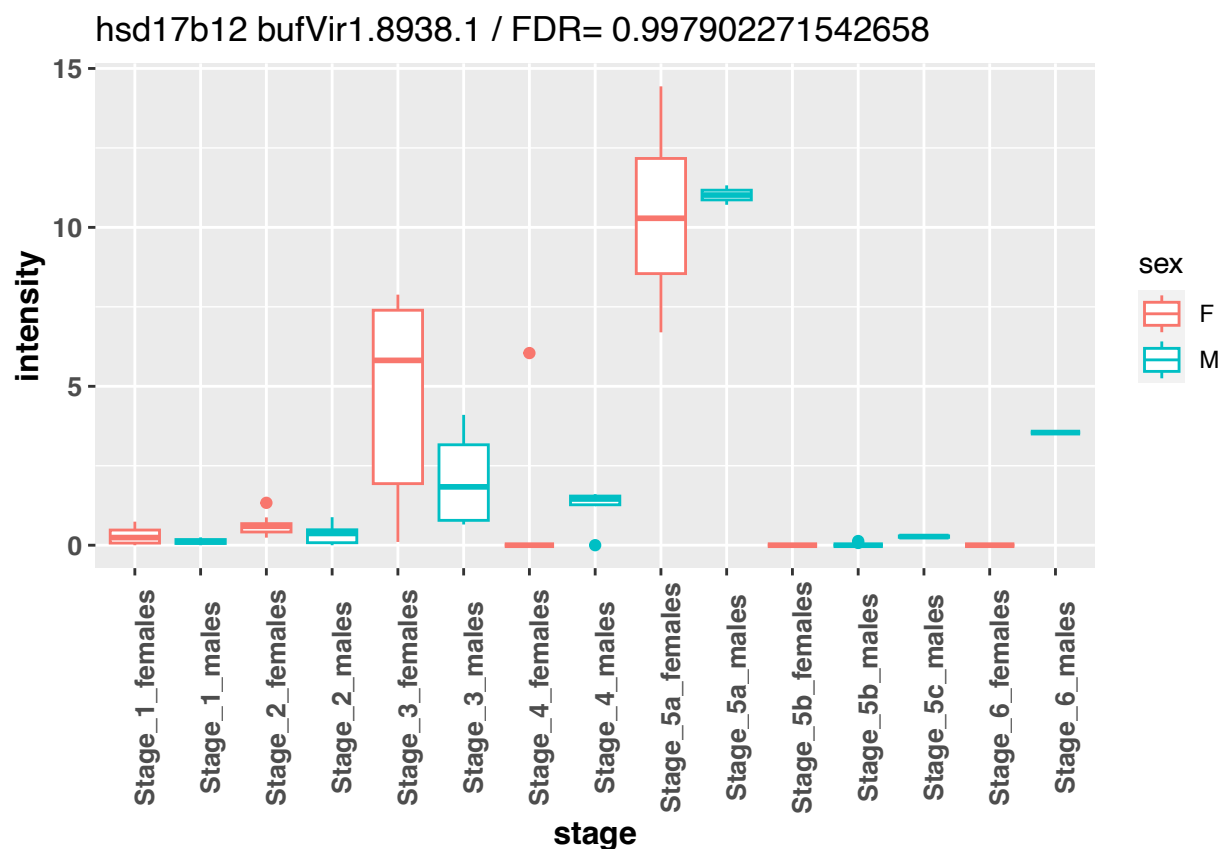


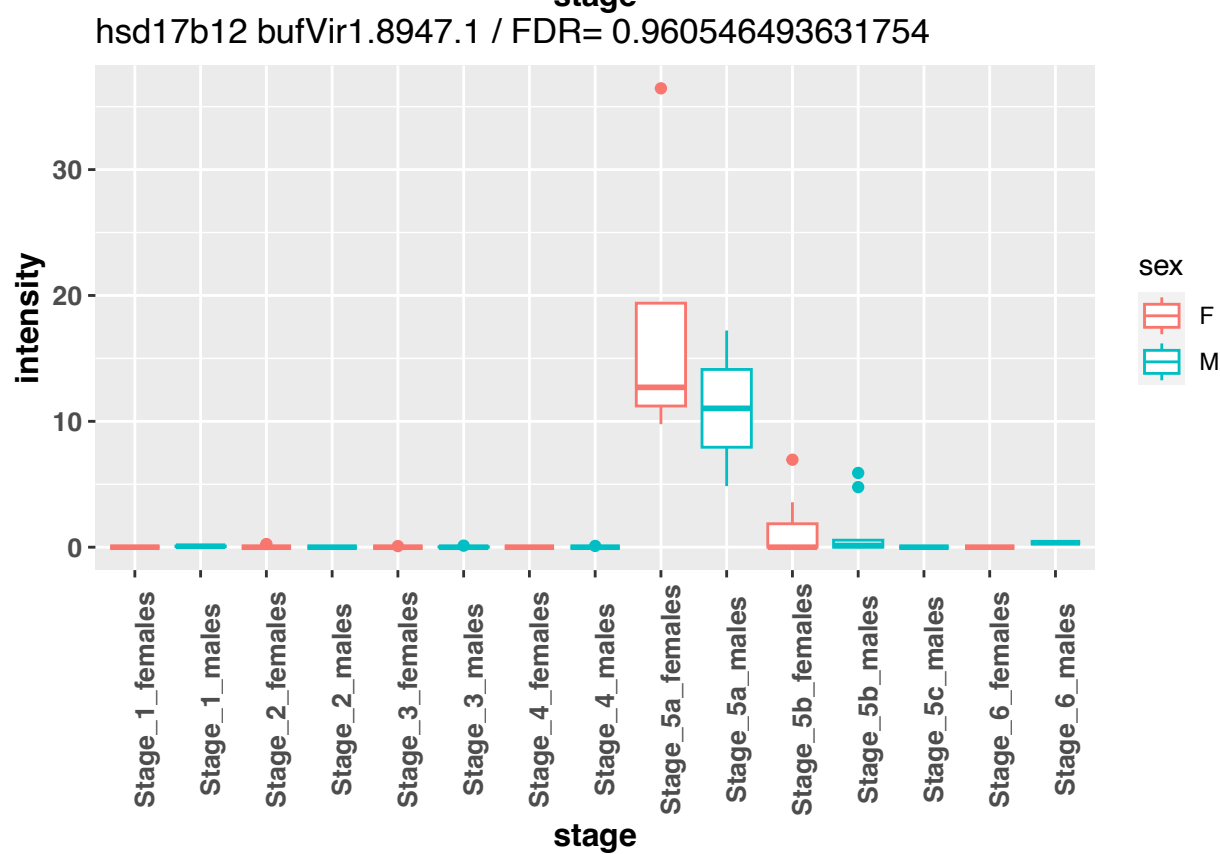
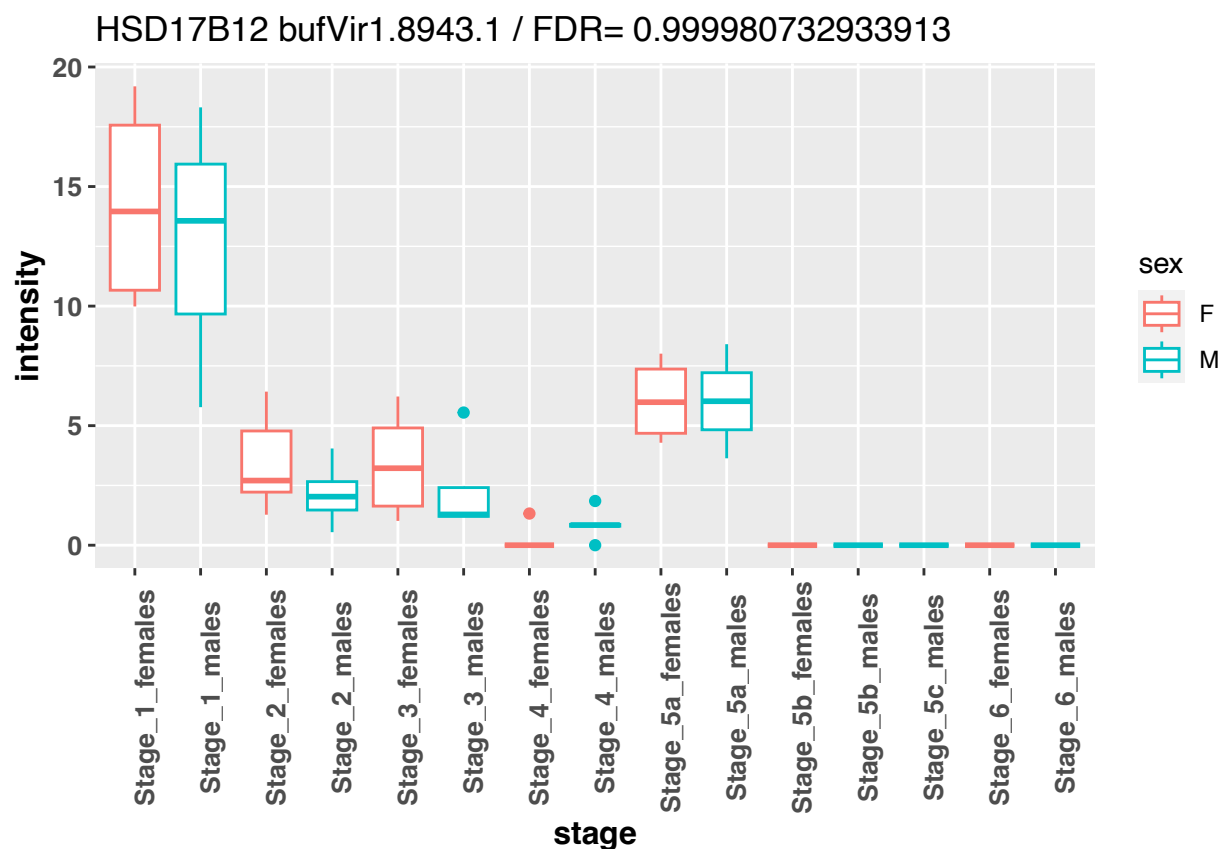
hsd17b11 bufVir1.3691.1 / FDR= 0.999980732933913



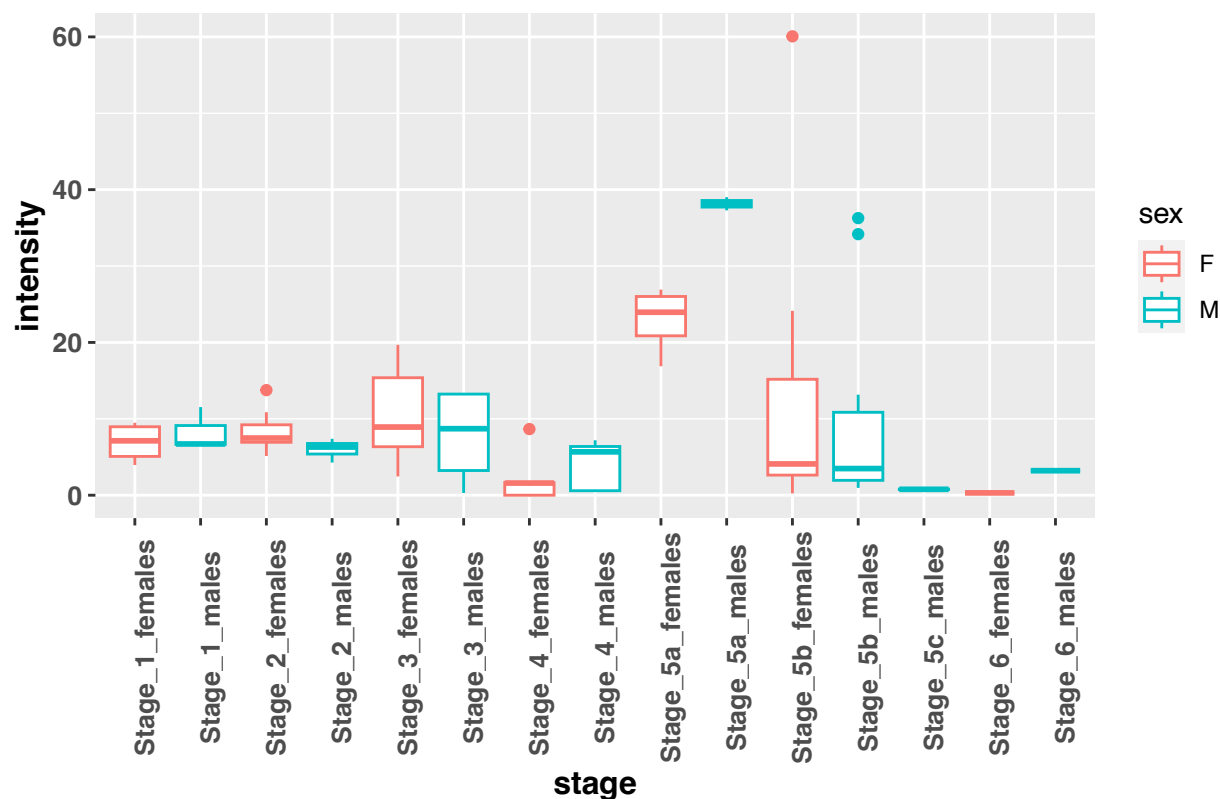
HSD17B12 bufVir1.5646.1 / FDR= 0.999980732933913



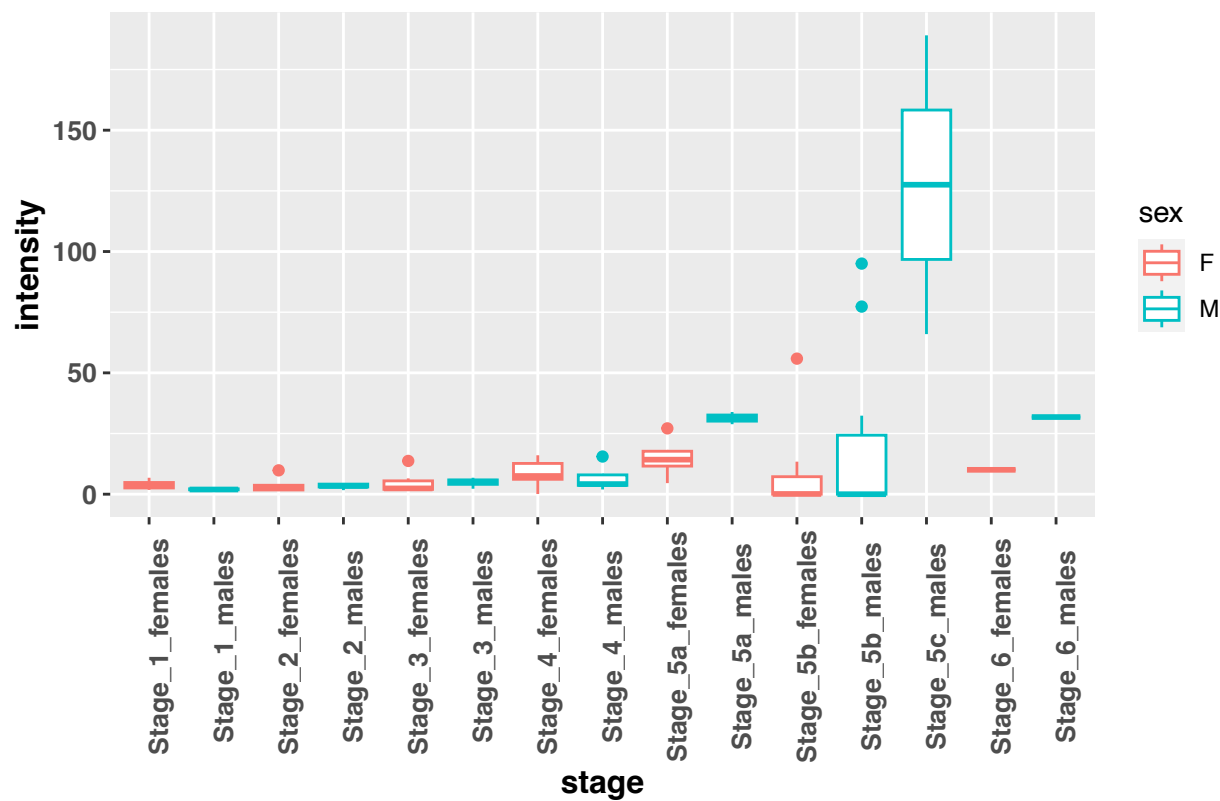




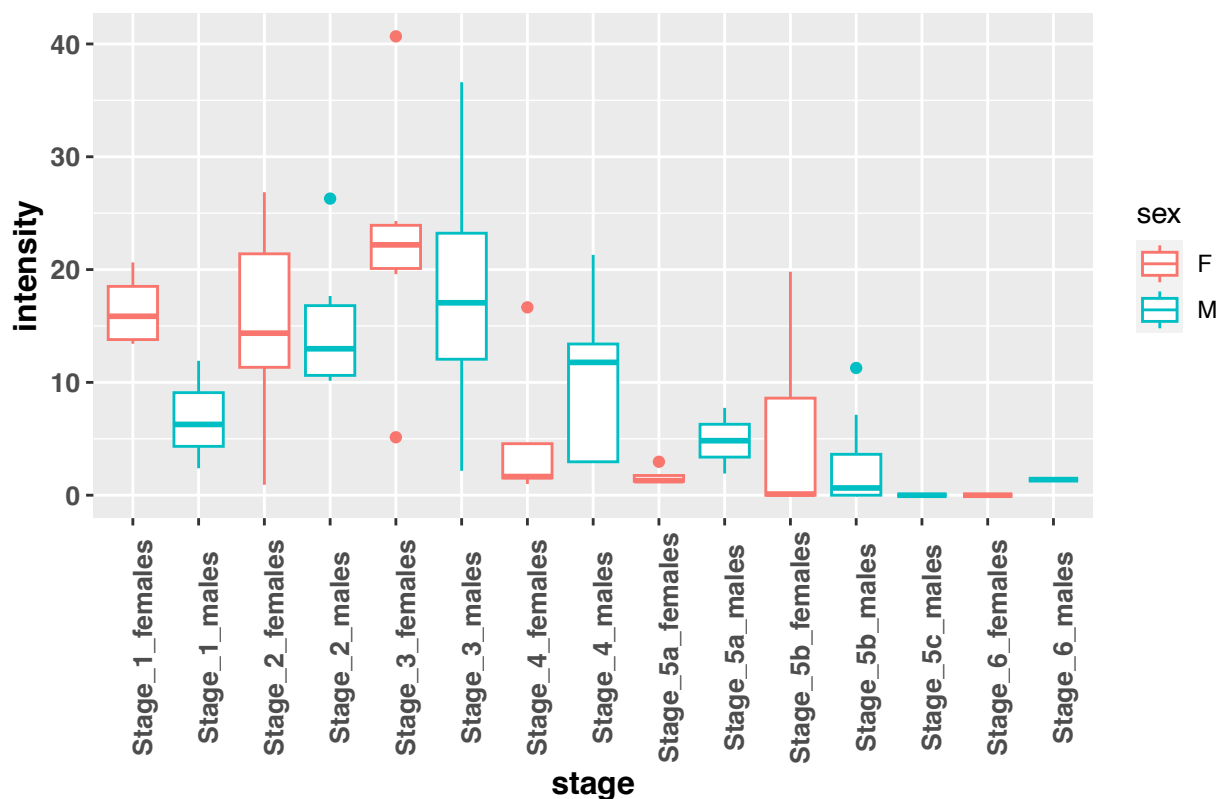
HSD17B12 bufVir1.8949.1 / FDR= 0.999980732933913



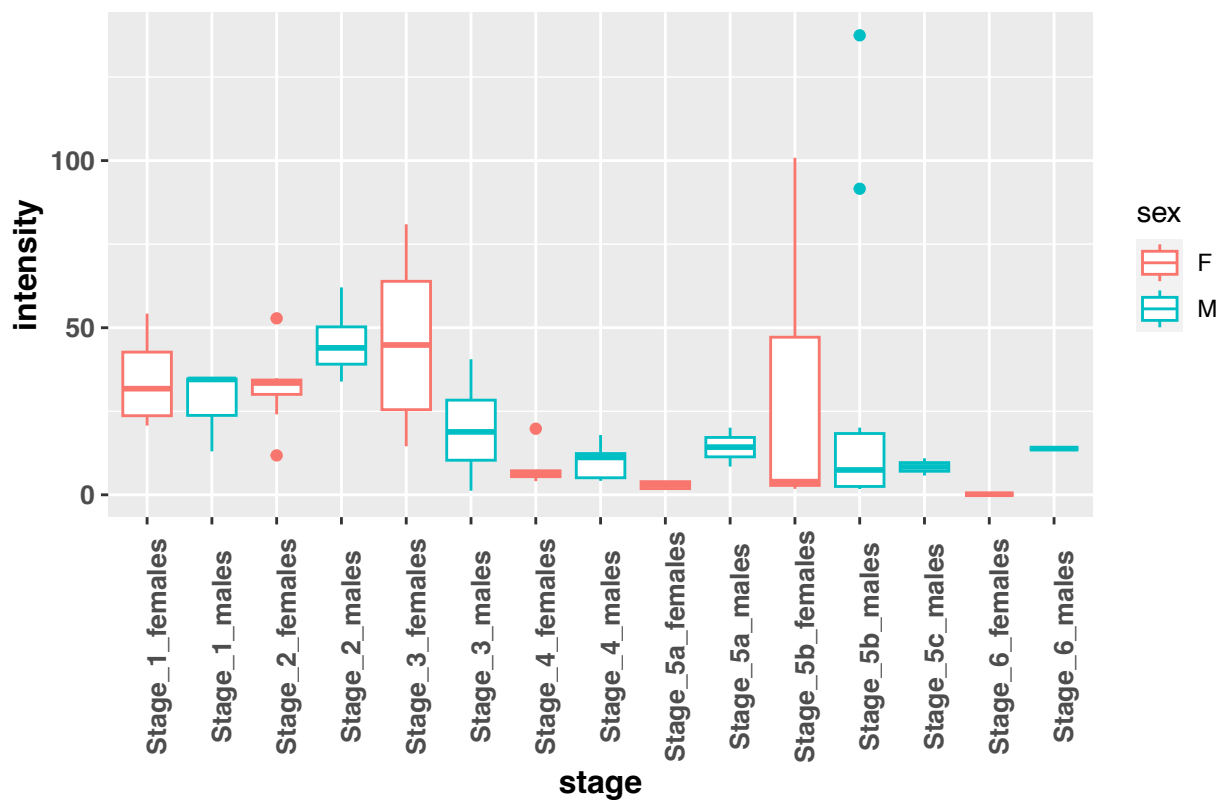
HSD3B1 bufVir1.15163.1 / FDR= 0.995329573911054



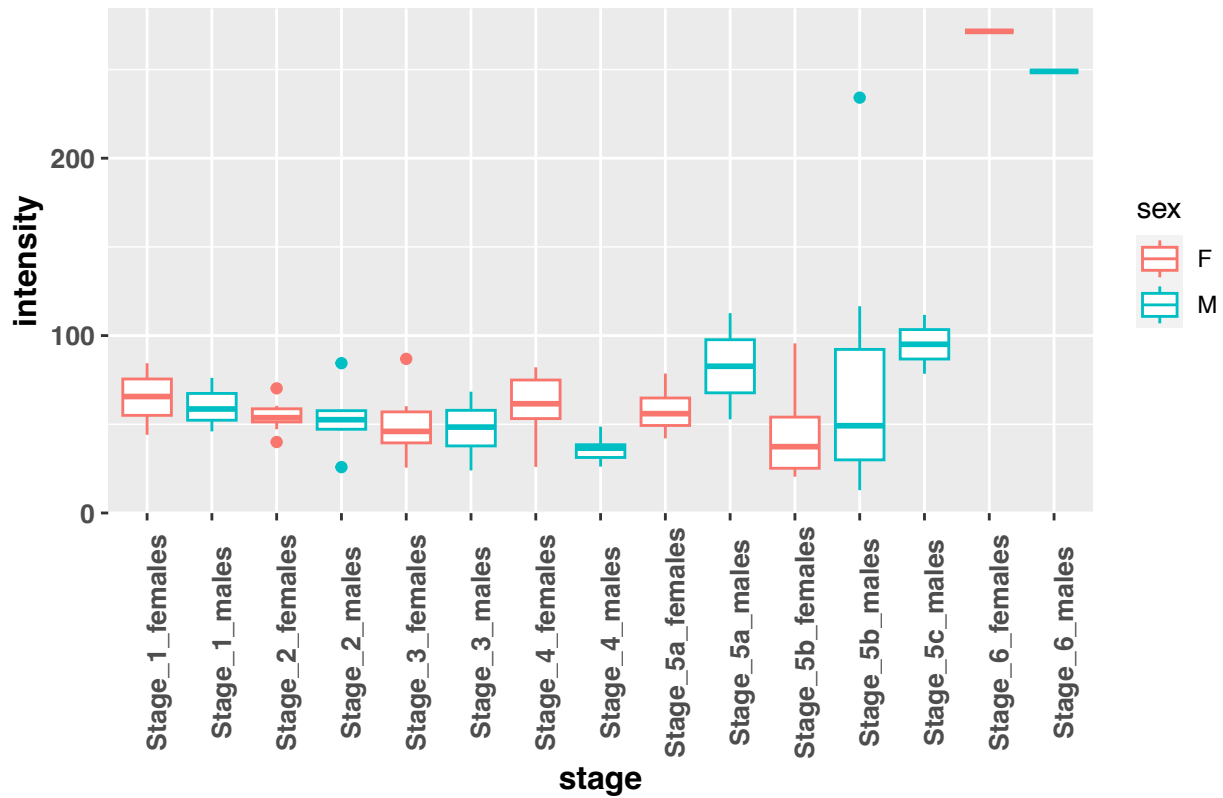
hsd3b7 bufVir1.15950.1 / FDR= 0.990506523037382



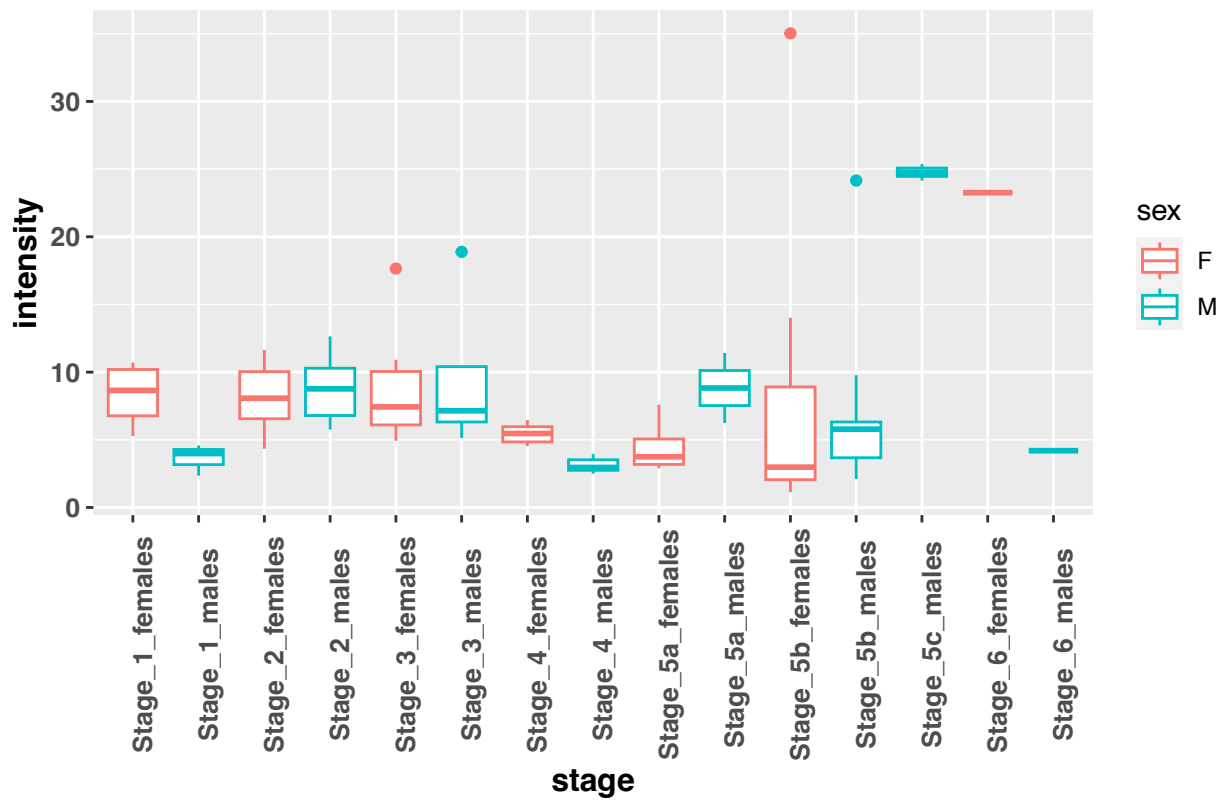
hsd3b7 bufVir1.31371.1 / FDR= 0.999980732933913



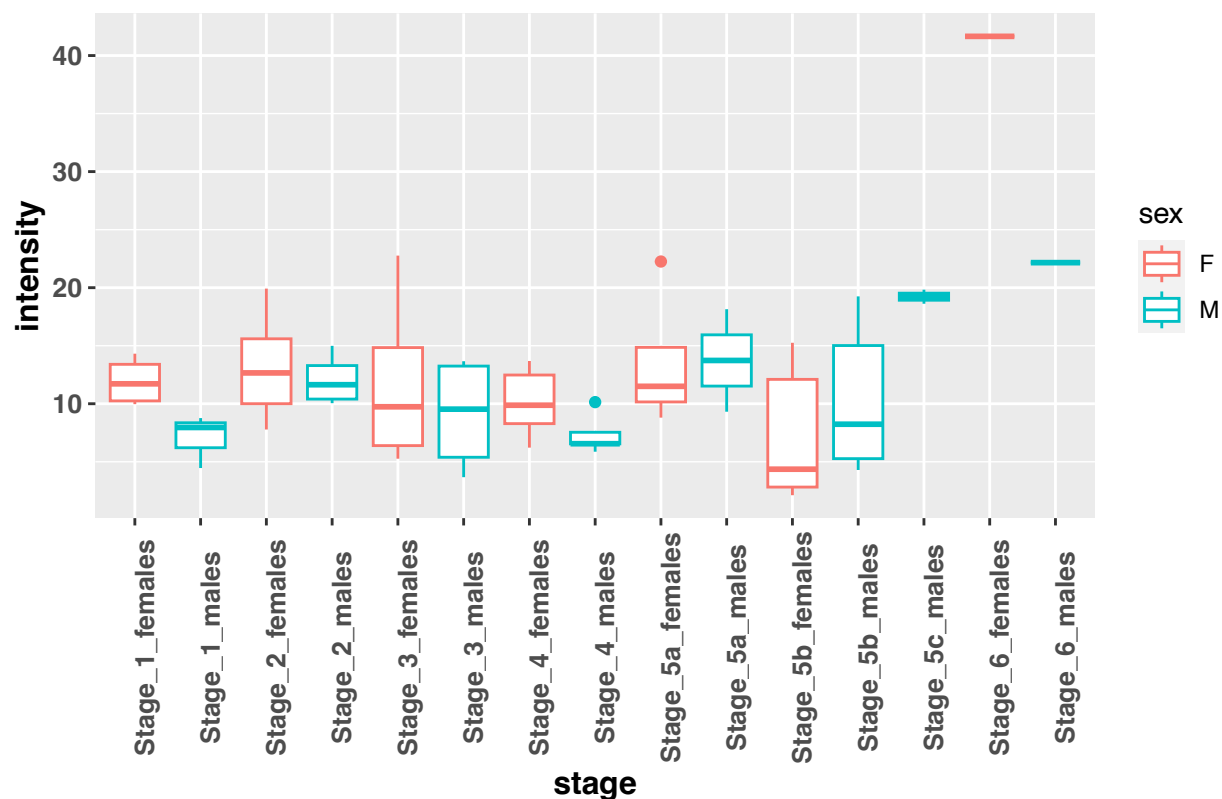
ARID2 bufVir1.11173.2 / FDR= 0.952773794348296



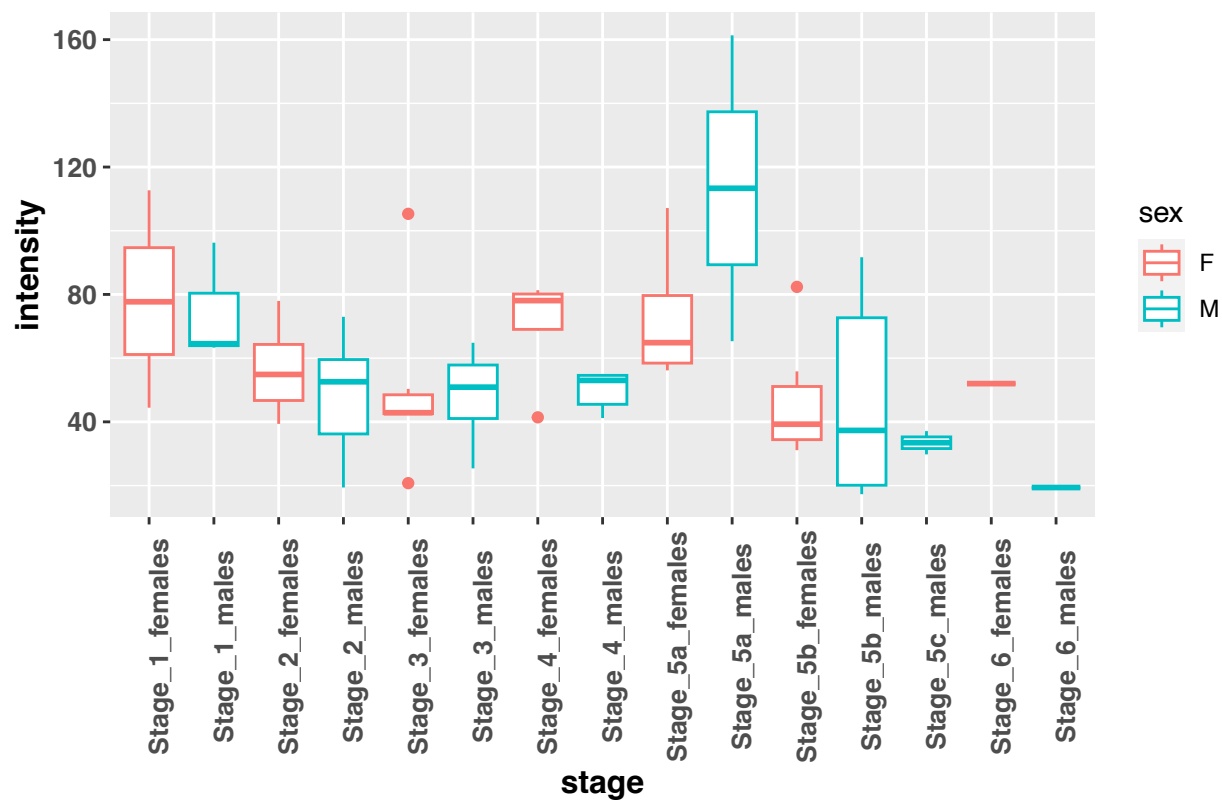
PRELID2 bufVir1.11740.1 / FDR= 0.999980732933913



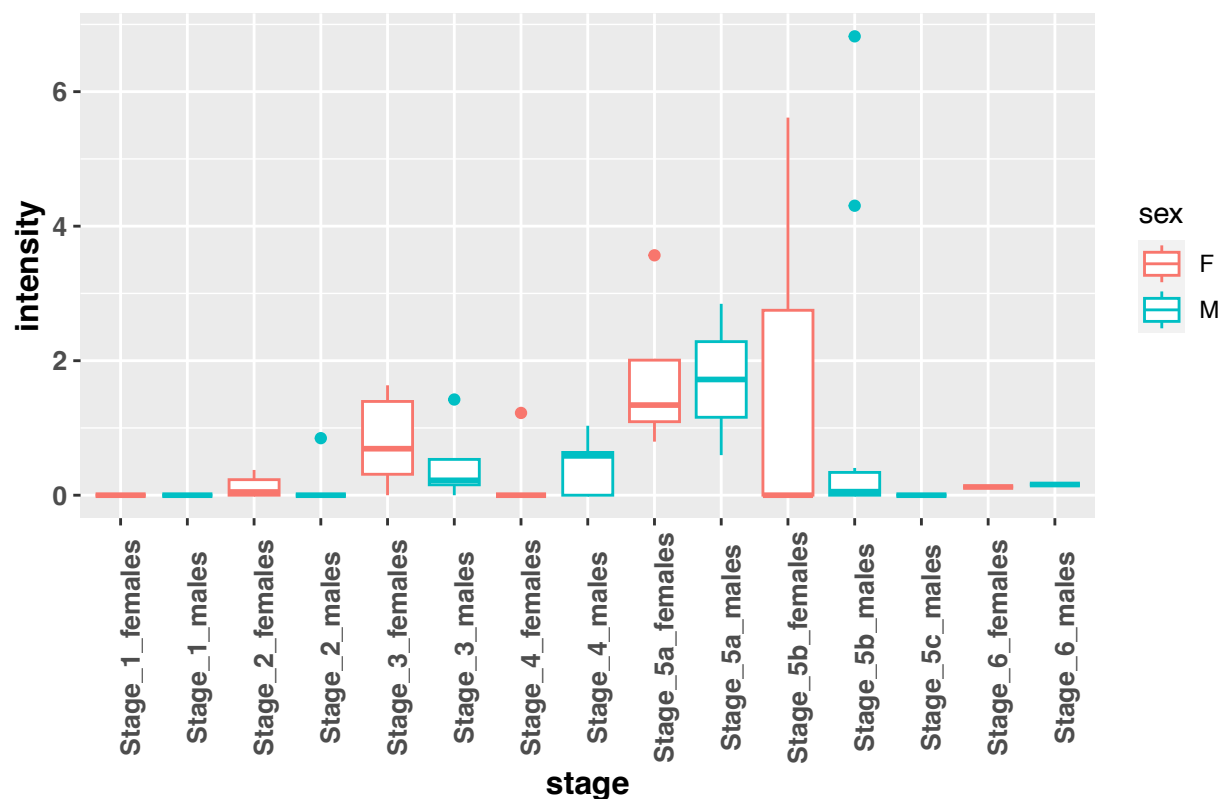
PCID2 bufVir1.17996.1 / FDR= 0.980793651598525



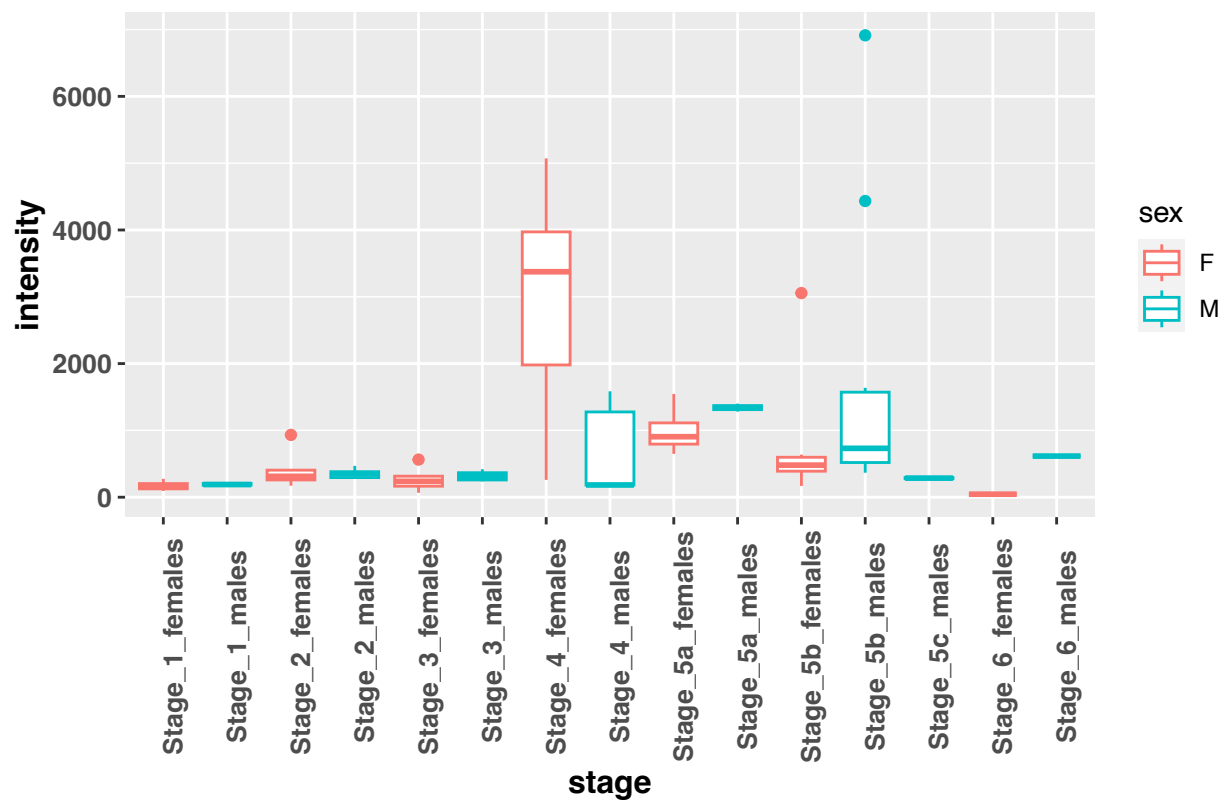
ID2 bufVir1.20581.1 / FDR= 0.999980732933913



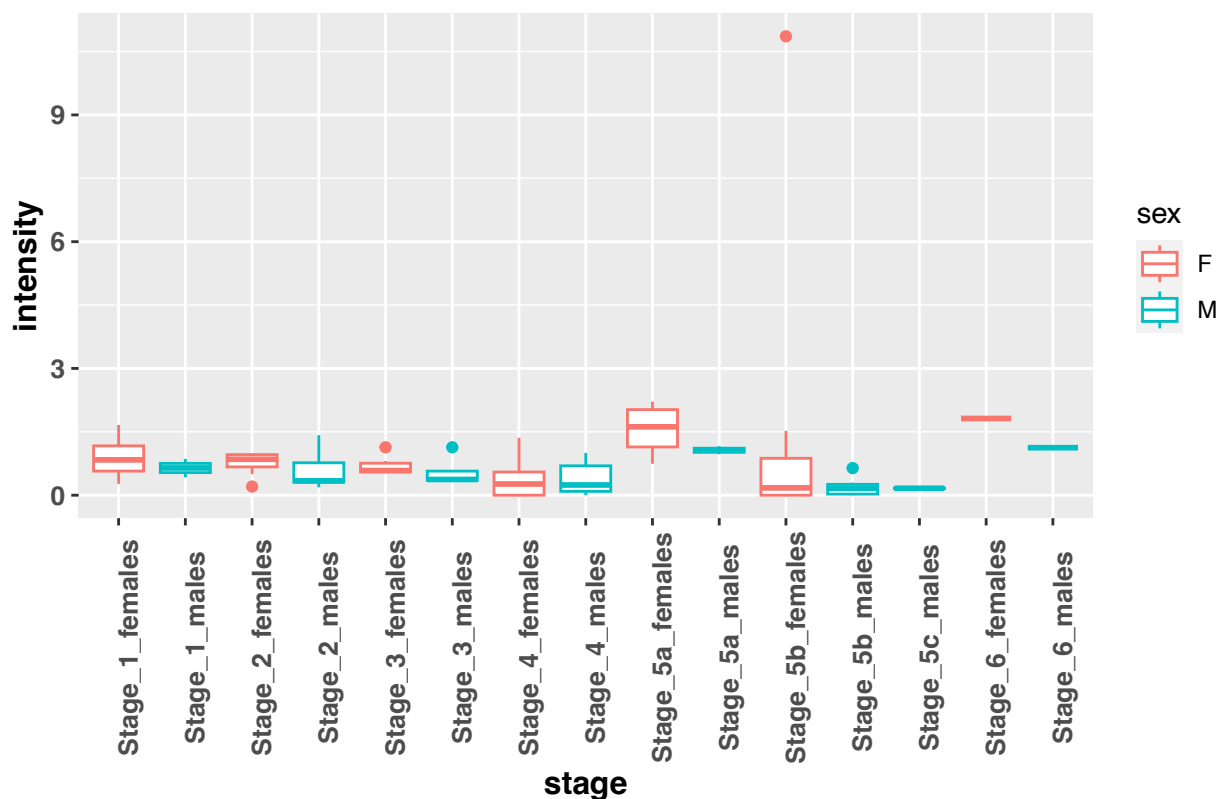
NID2 bufVir1.20744.1 / FDR= 0.990951885620175



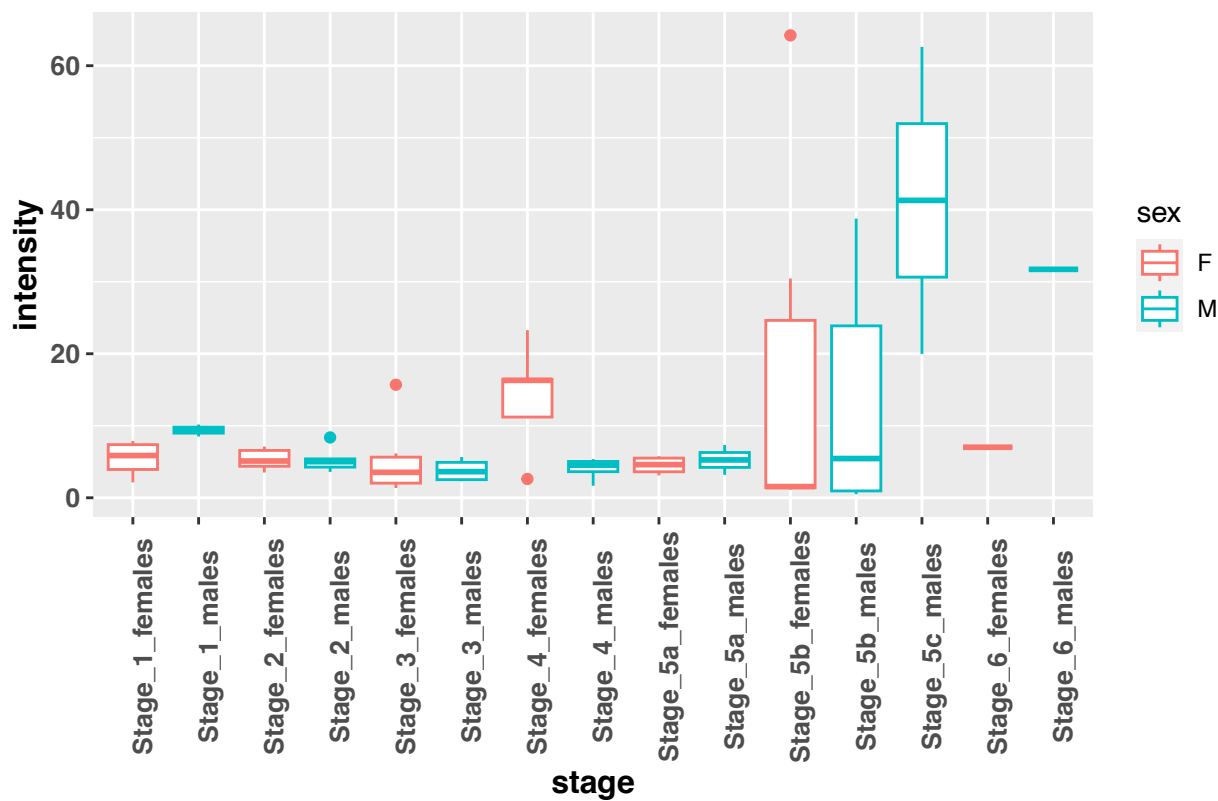
JARID2 bufVir1.26521.1 / FDR= 0.736218785806581

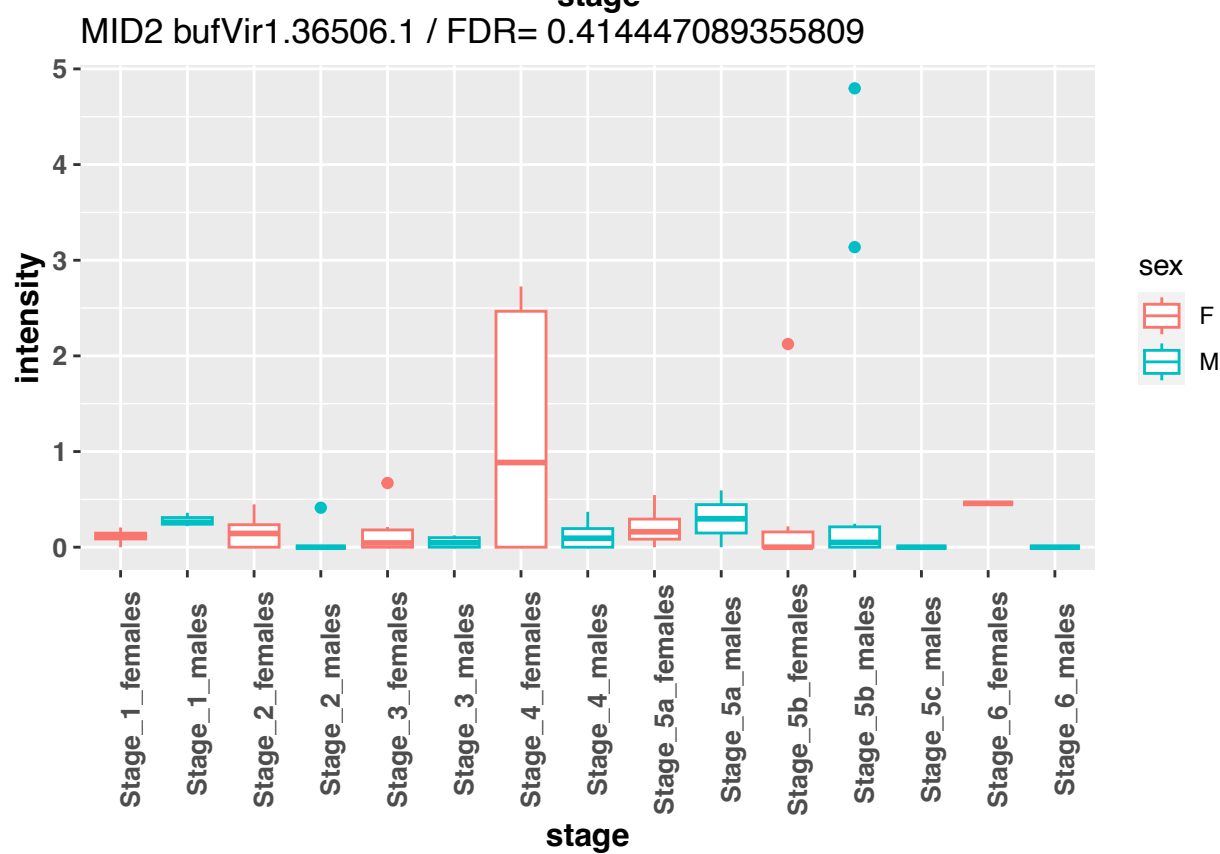
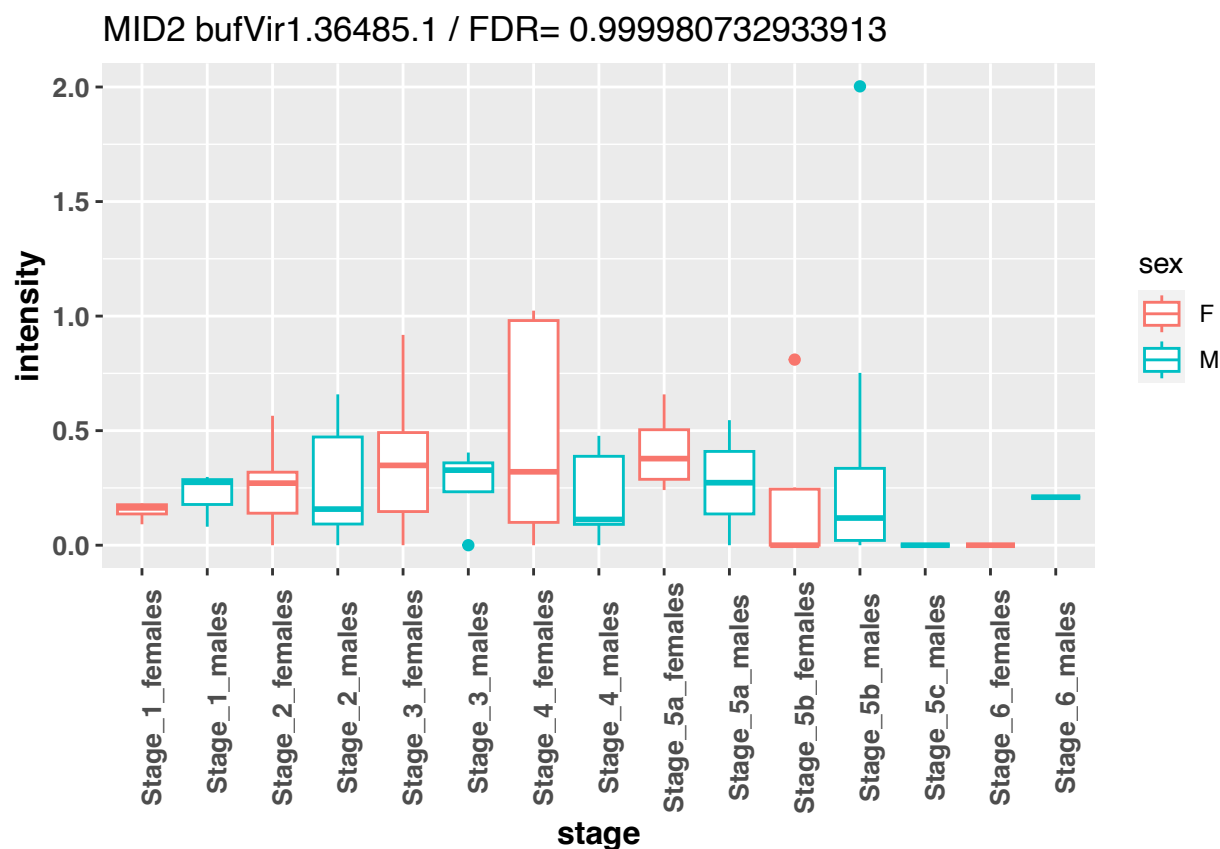


grid2ip bufVir1.28859.2 / FDR= 0.923396035896581

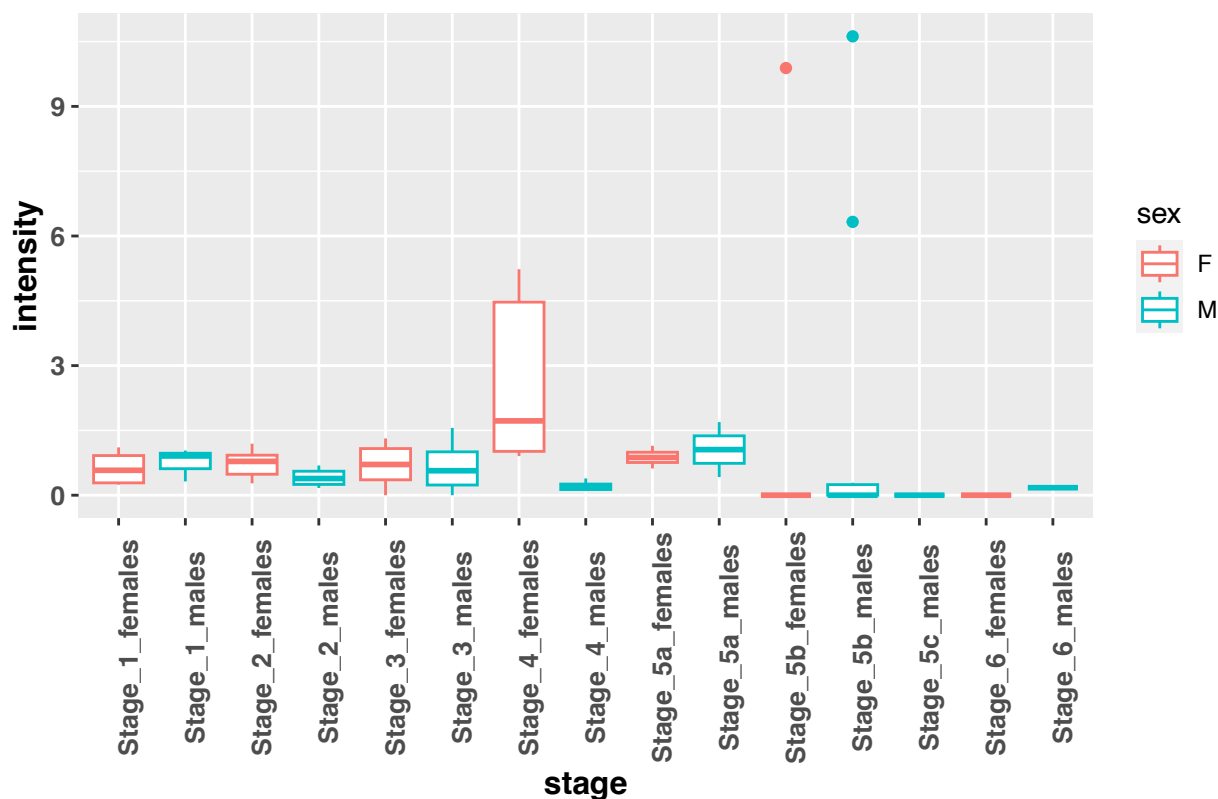


grid2ip bufVir1.31687.2 / FDR= 0.999980732933913

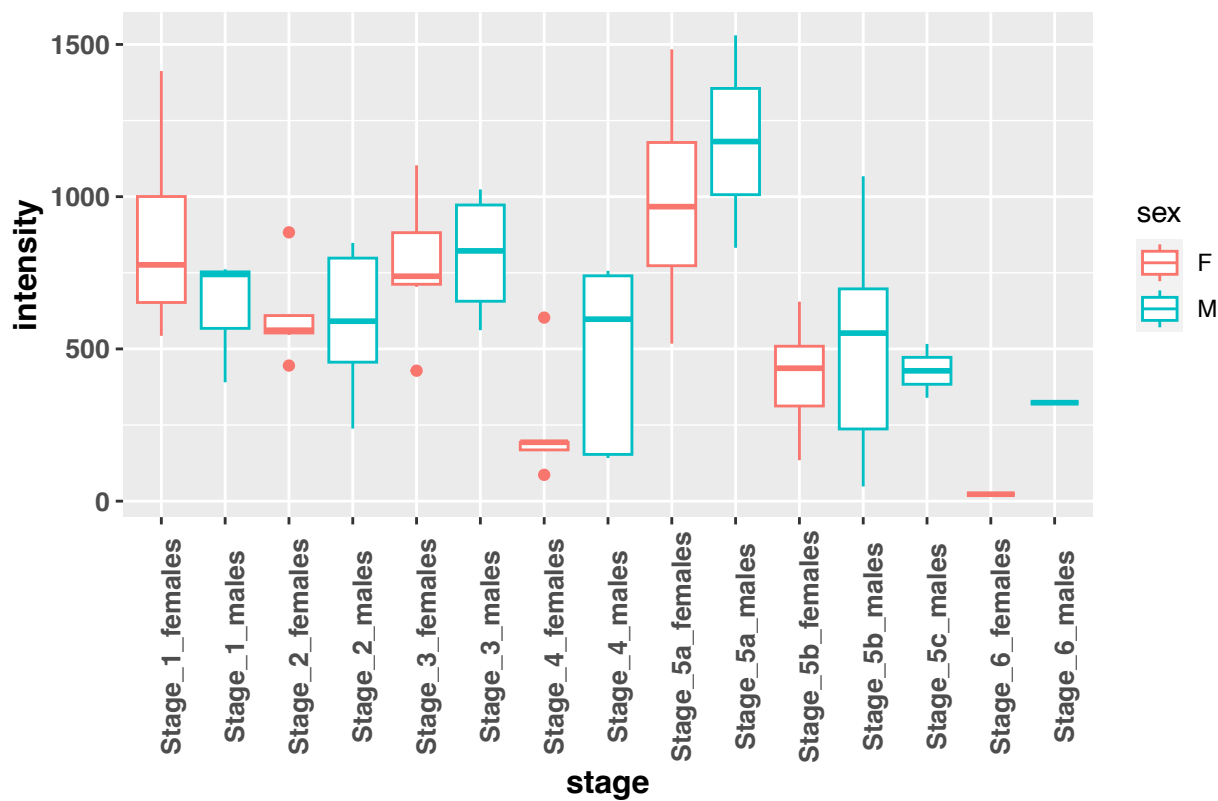




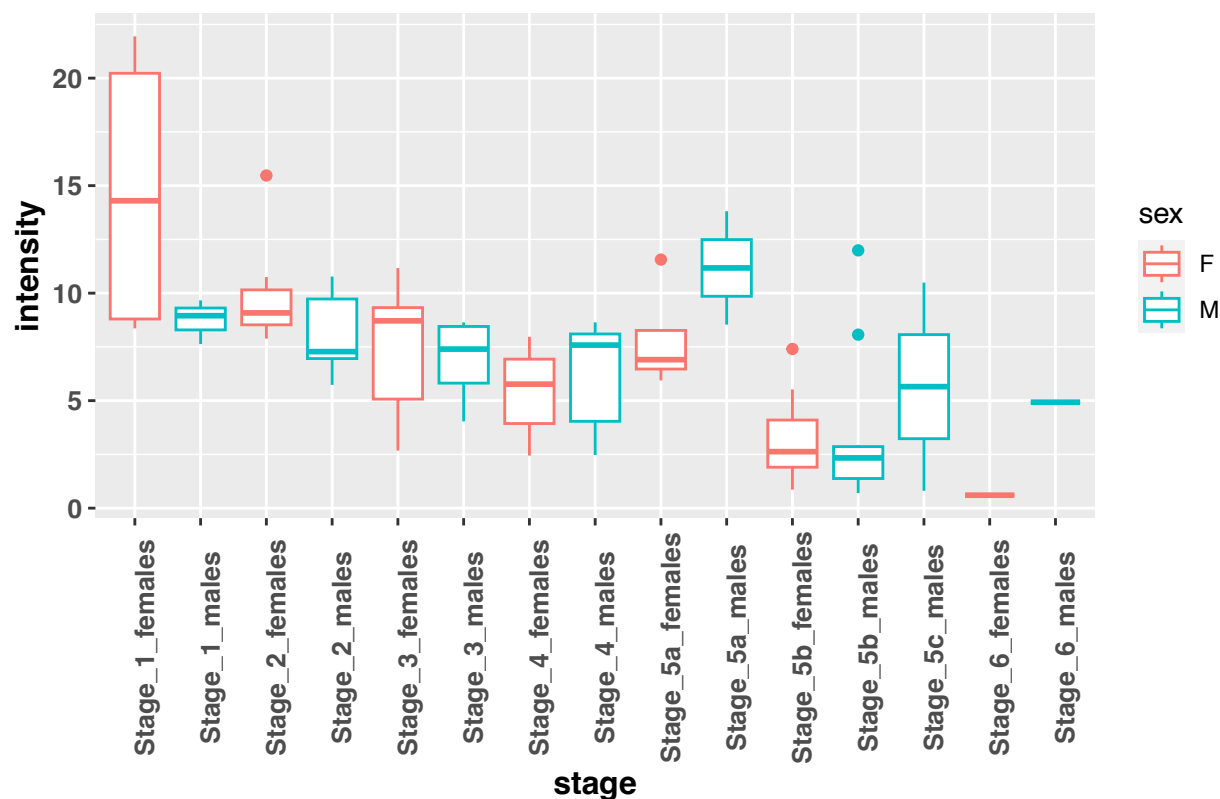
grid2 bufVir1.3847.1 / FDR= 0.325271276507201



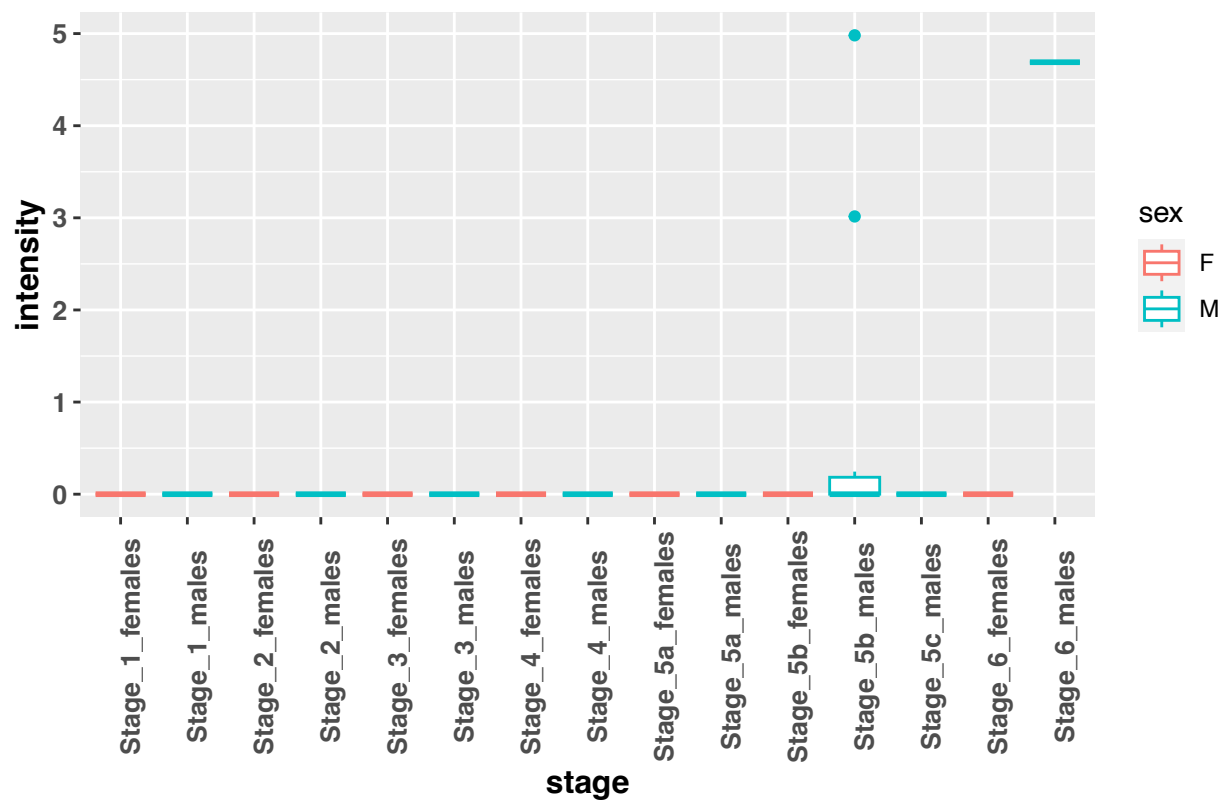
NID2 bufVir1.7085.1 / FDR= 0.999980732933913



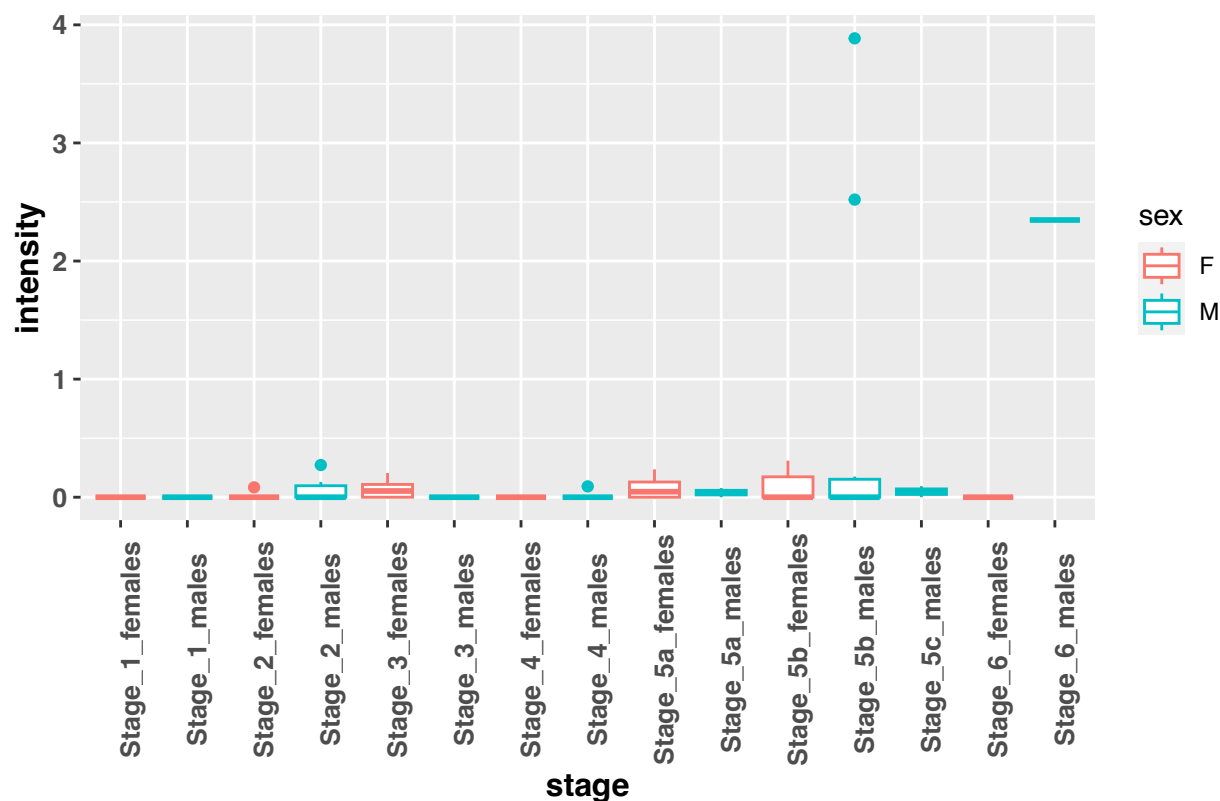
IHH bufVir1.33017.1 / FDR= 0.999980732933913



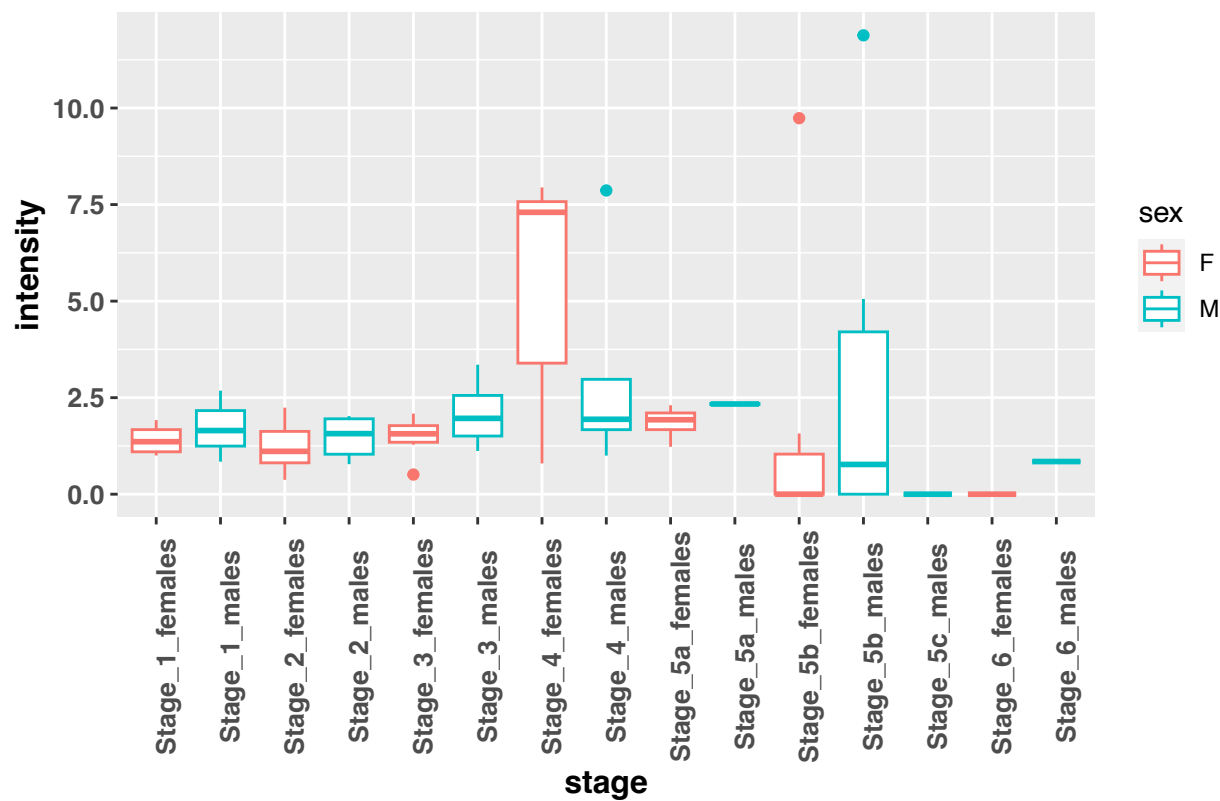
nanos3 bufVir1.35822.1 / FDR= 0.404280383336283



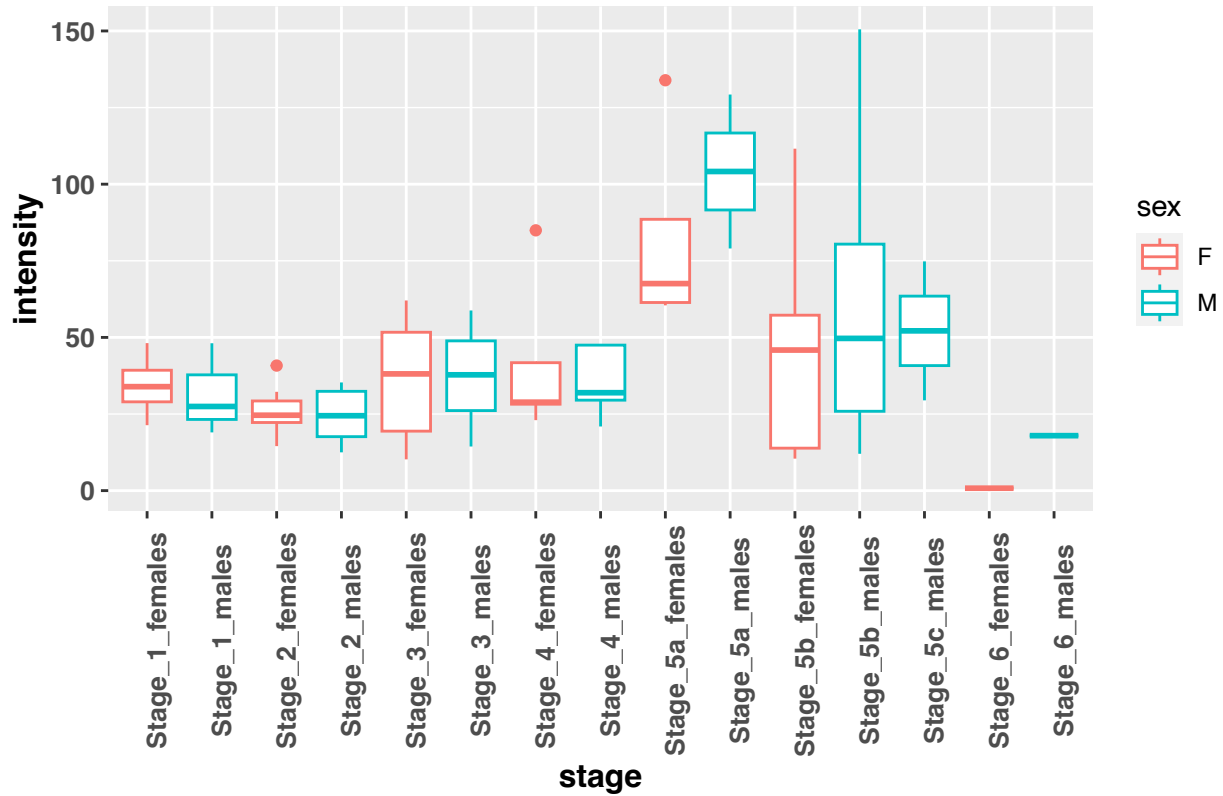
NANOS3 bufVir1.9233.1 / FDR= 0.496755733517493



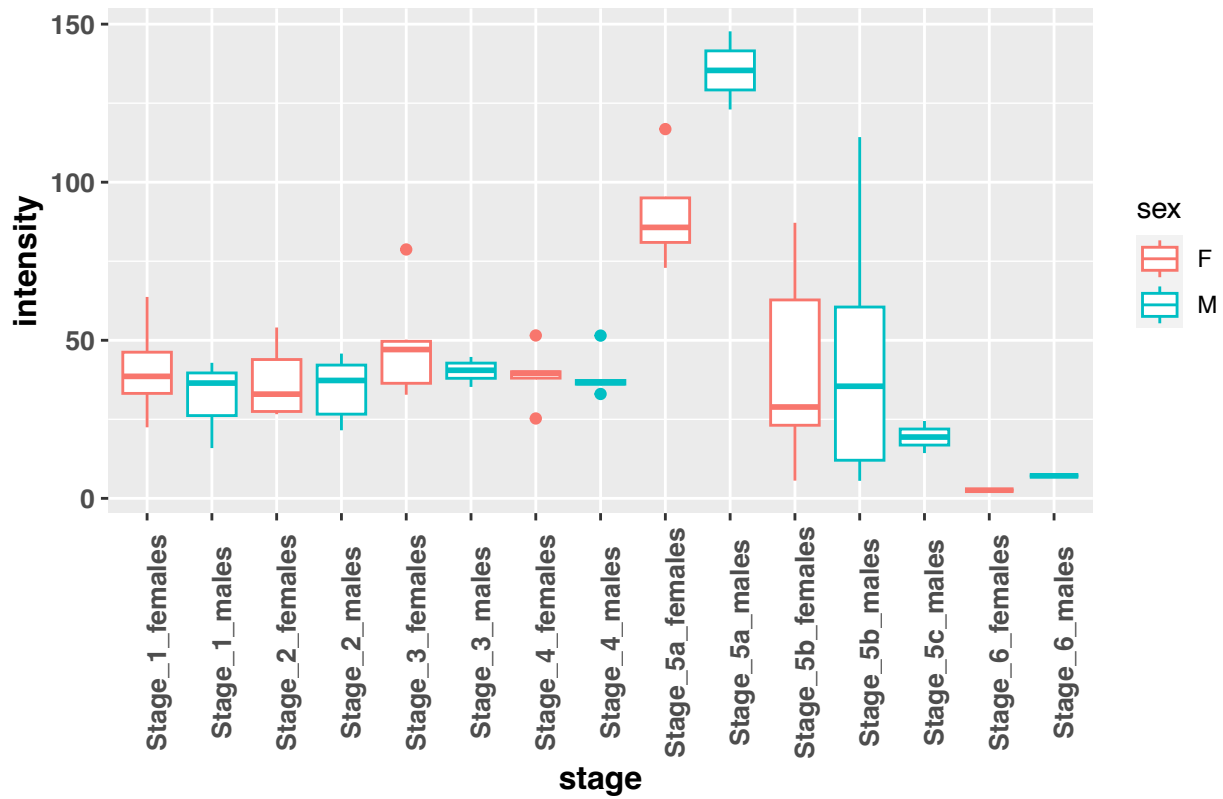
PAX2 bufVir1.29688.1 / FDR= 0.965301823822908



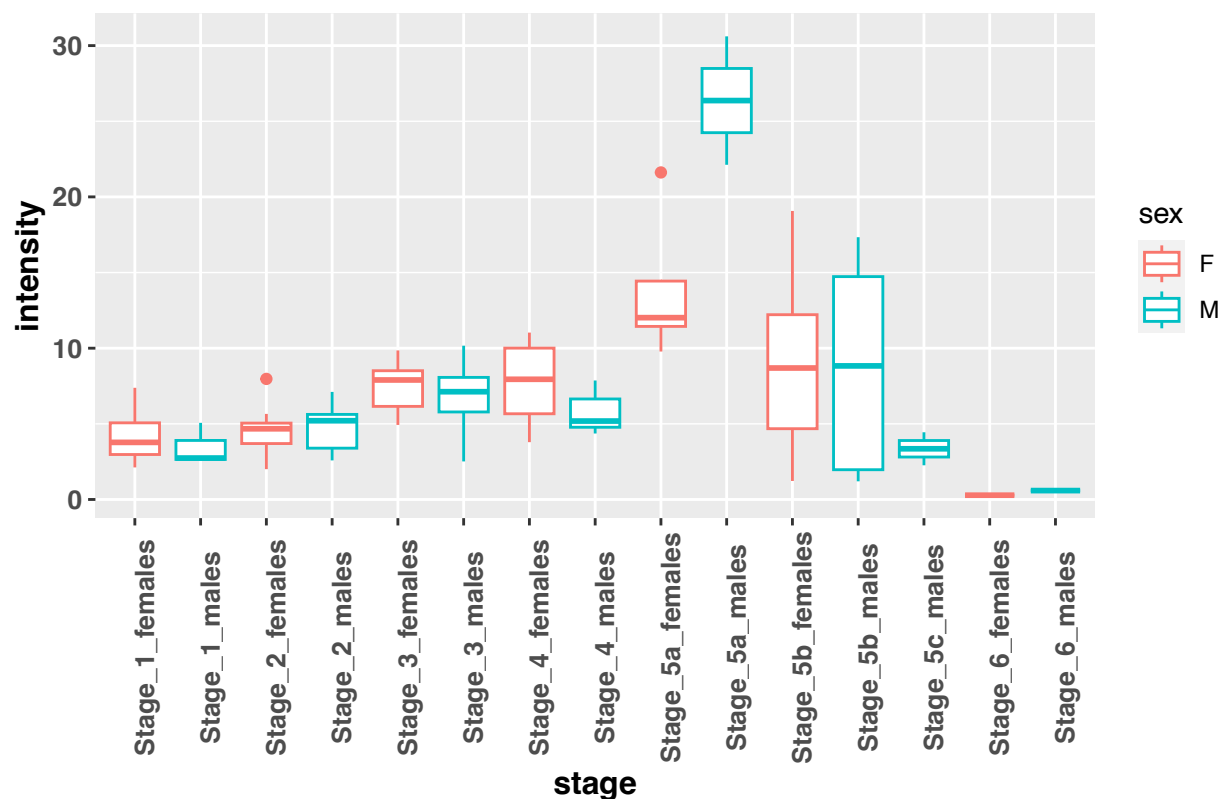
PDGFRA bufVir1.4654.2 / FDR= 0.999980732933913



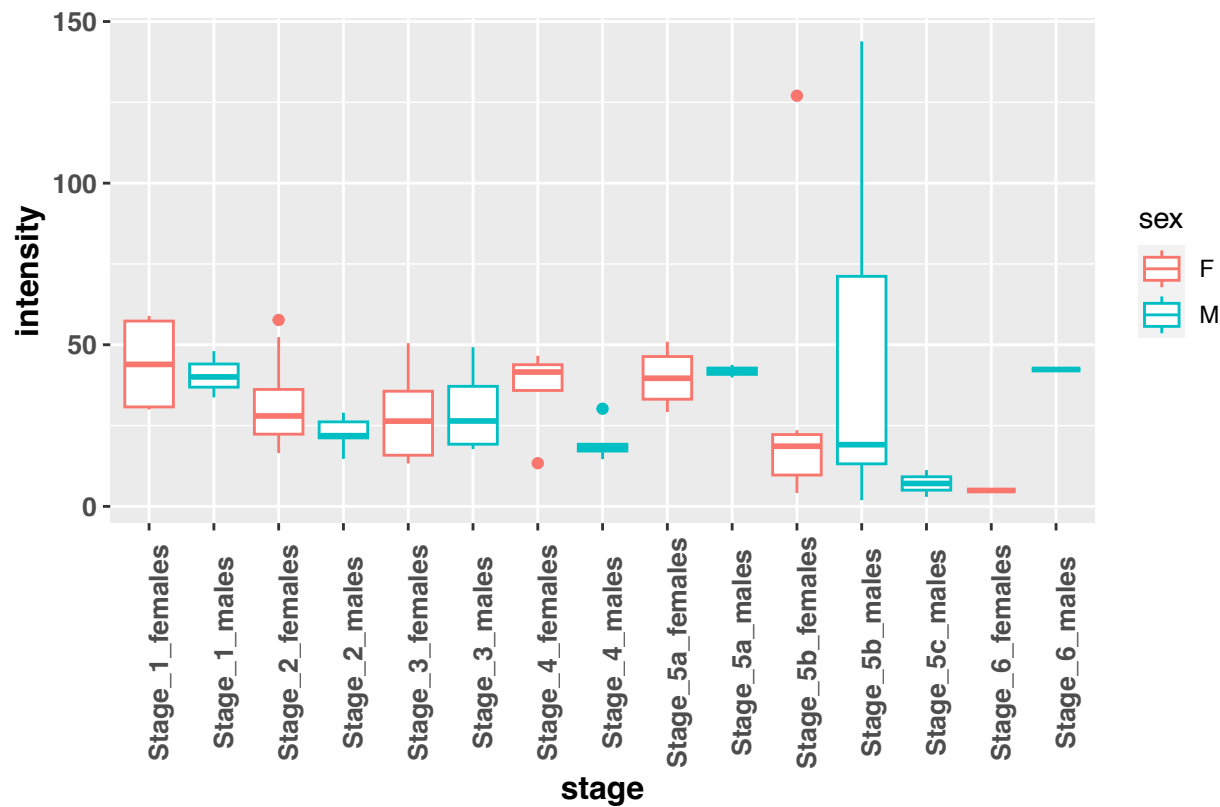
PDGFRB bufVir1.12414.1 / FDR= 0.999980732933913



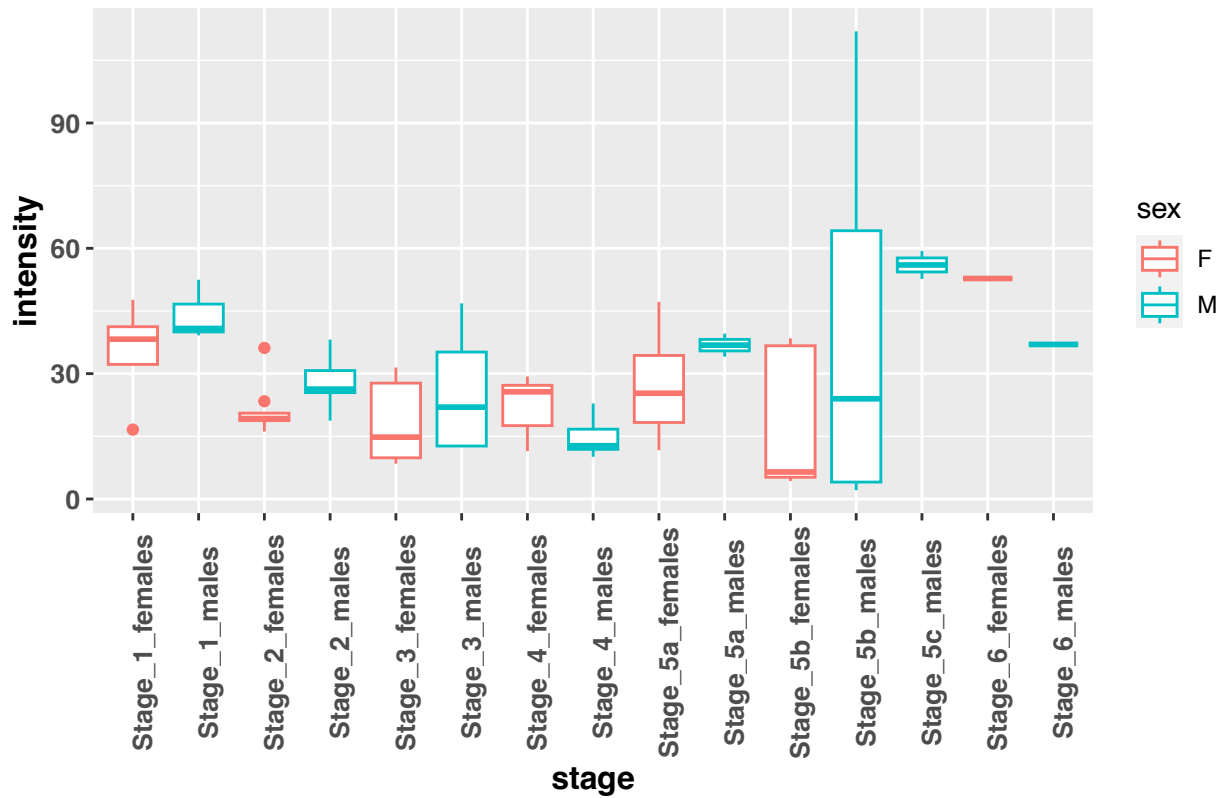
PDGFRB bufVir1.19847.1 / FDR= 0.999980732933913



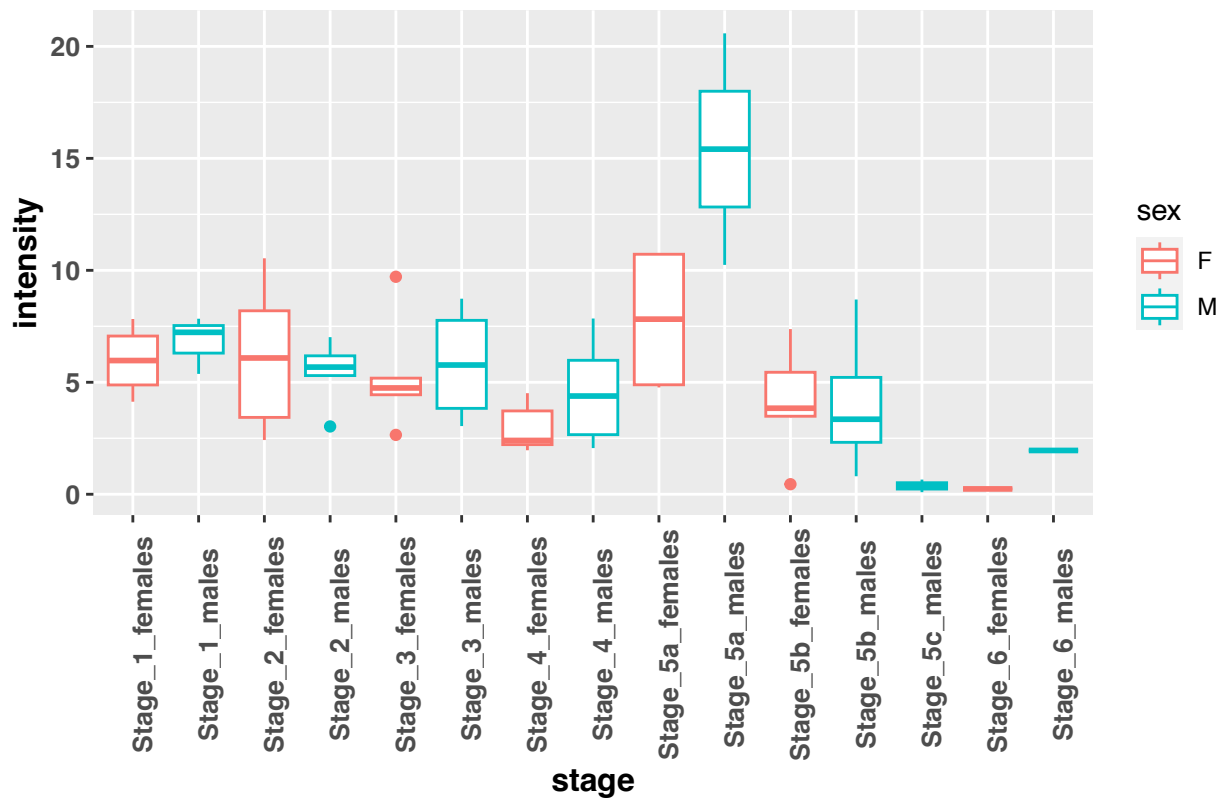
PTCH1 bufVir1.2213.1 / FDR= 0.999980732933913



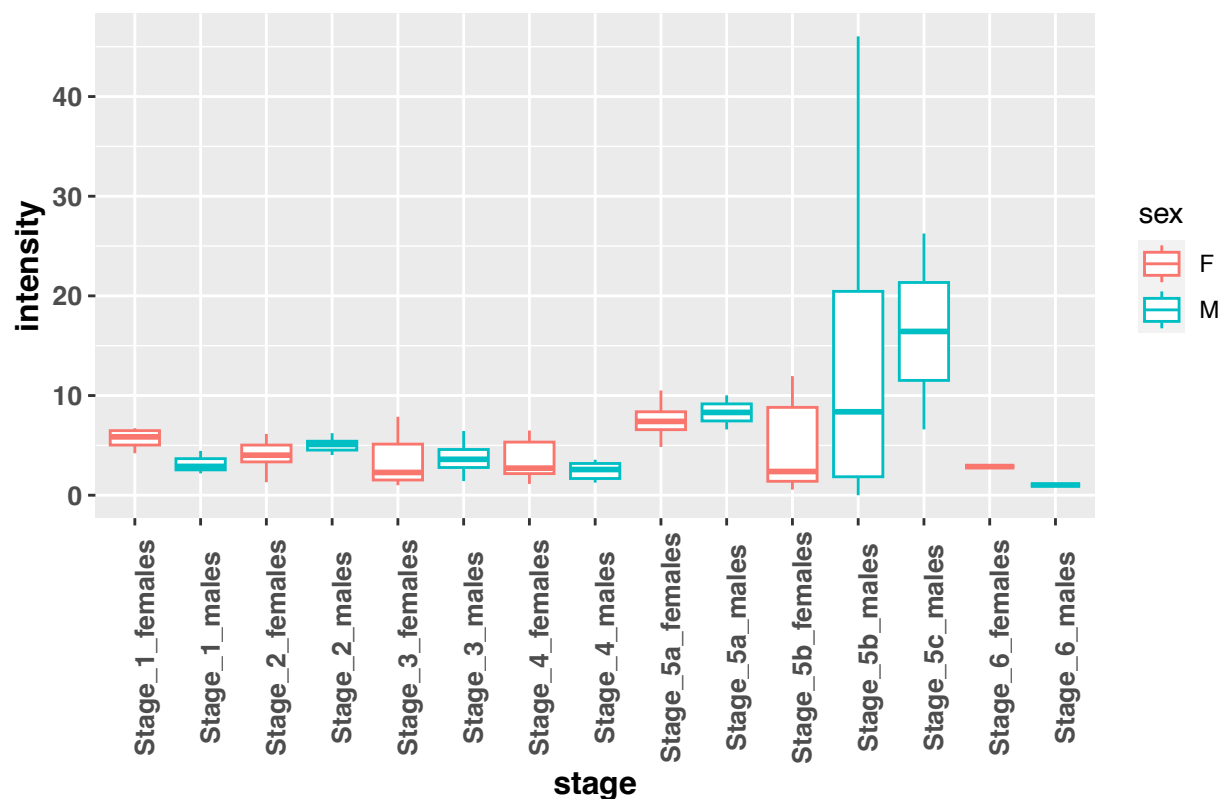
ptch2 bufVir1.35033.1 / FDR= 0.995329573911054



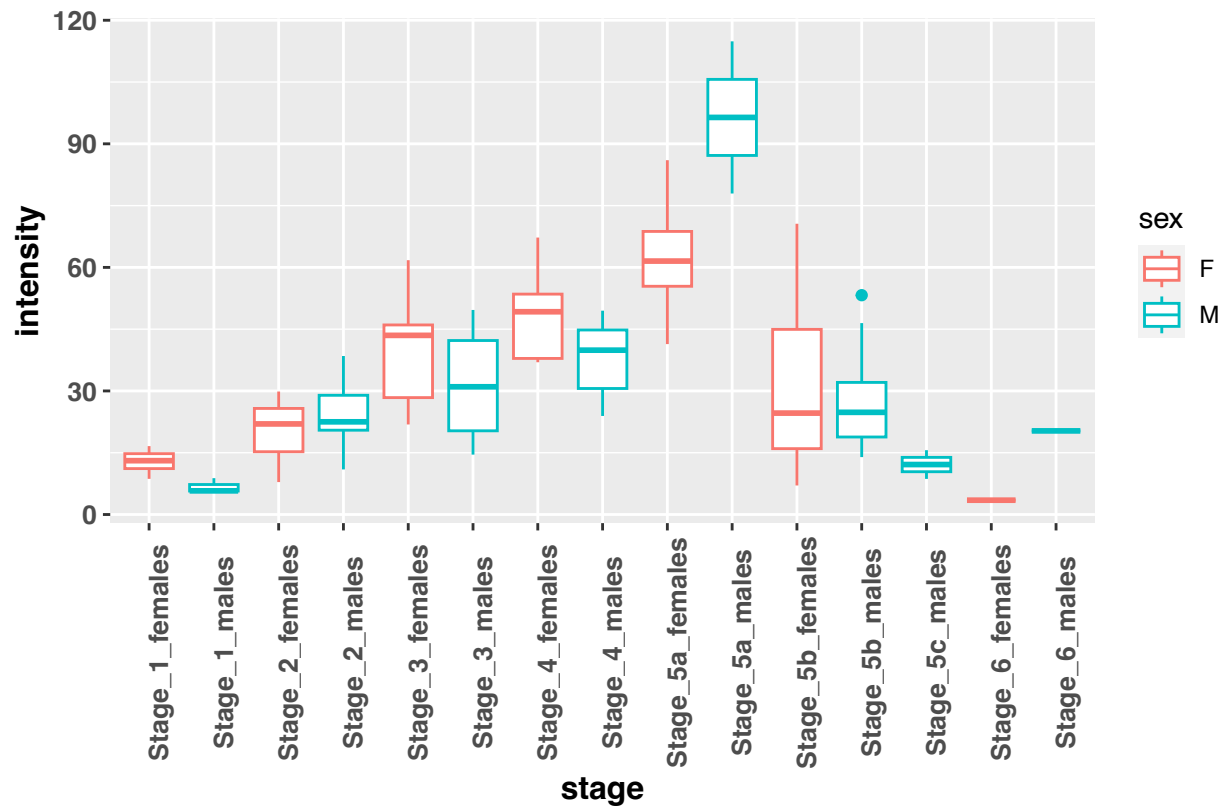
RSPO1 bufVir1.17240.1 / FDR= 0.999980732933913



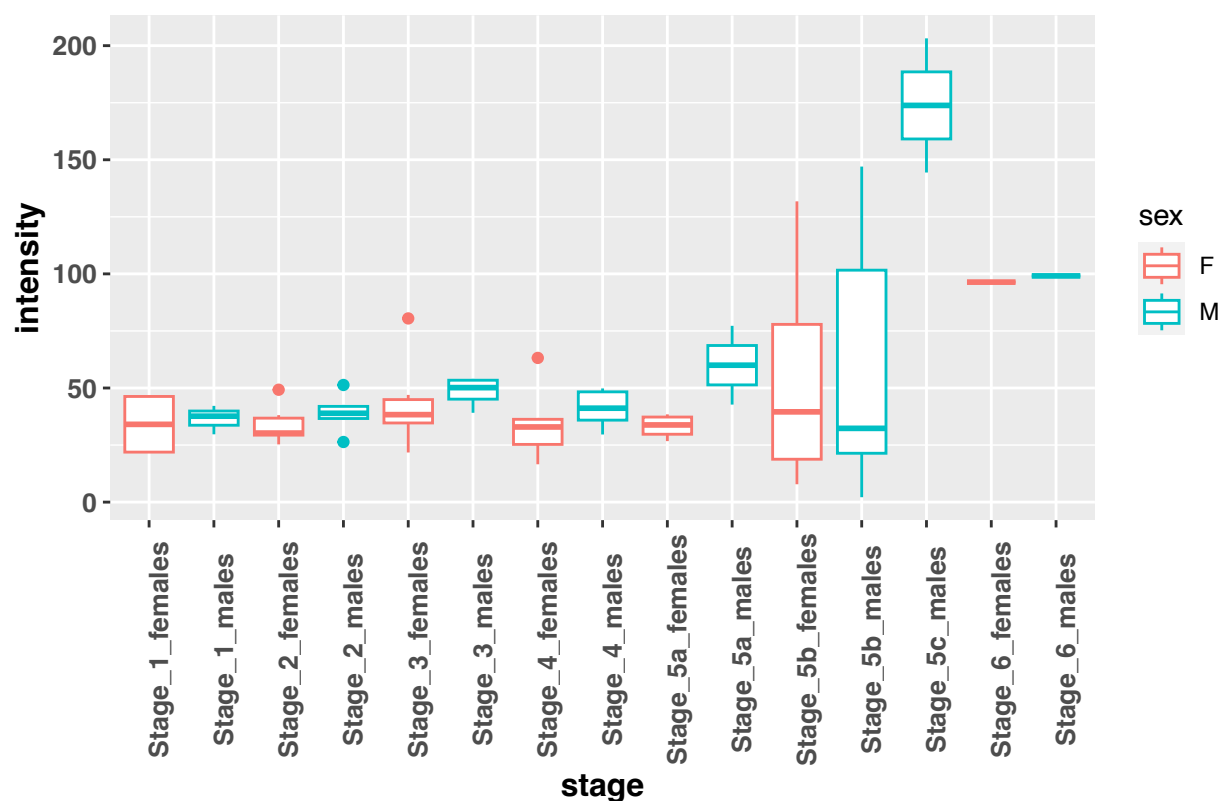
tm6sf1 bufVir1.10056.1 / FDR= 0.999980732933913



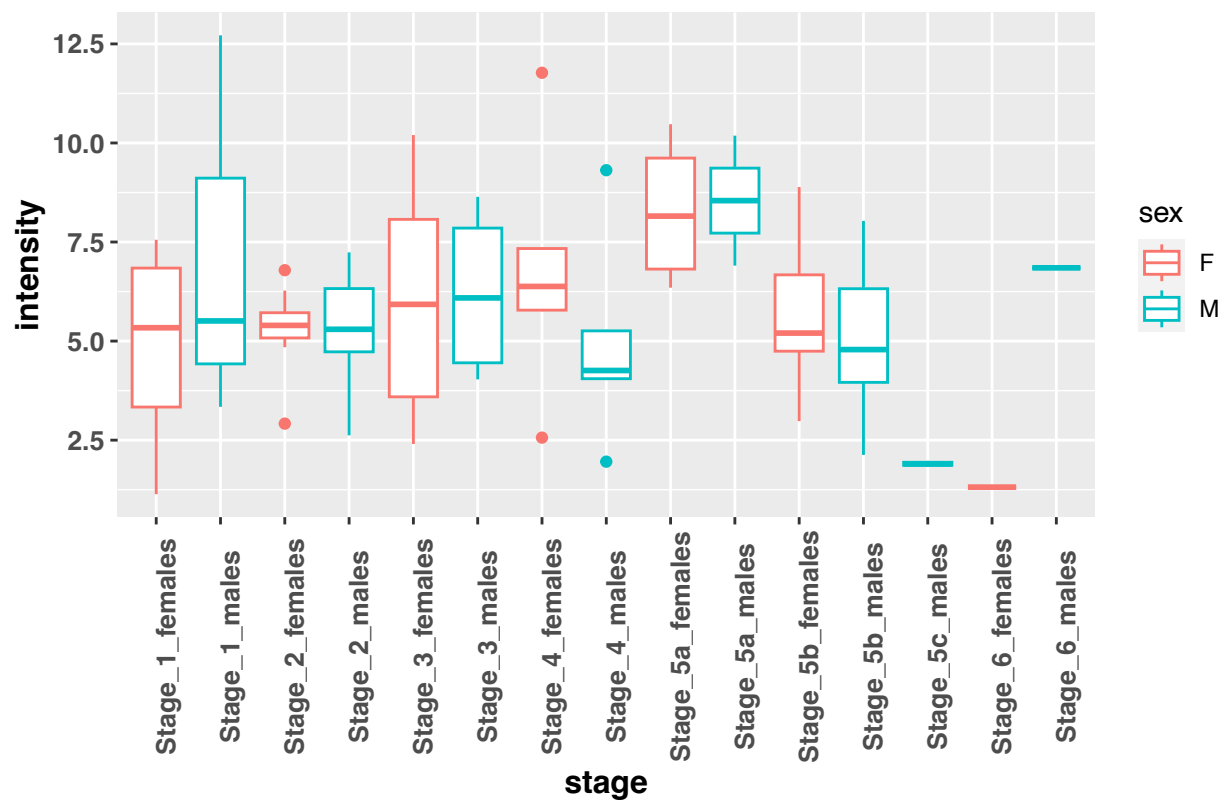
CSF1R bufVir1.12409.1 / FDR= 0.999980732933913



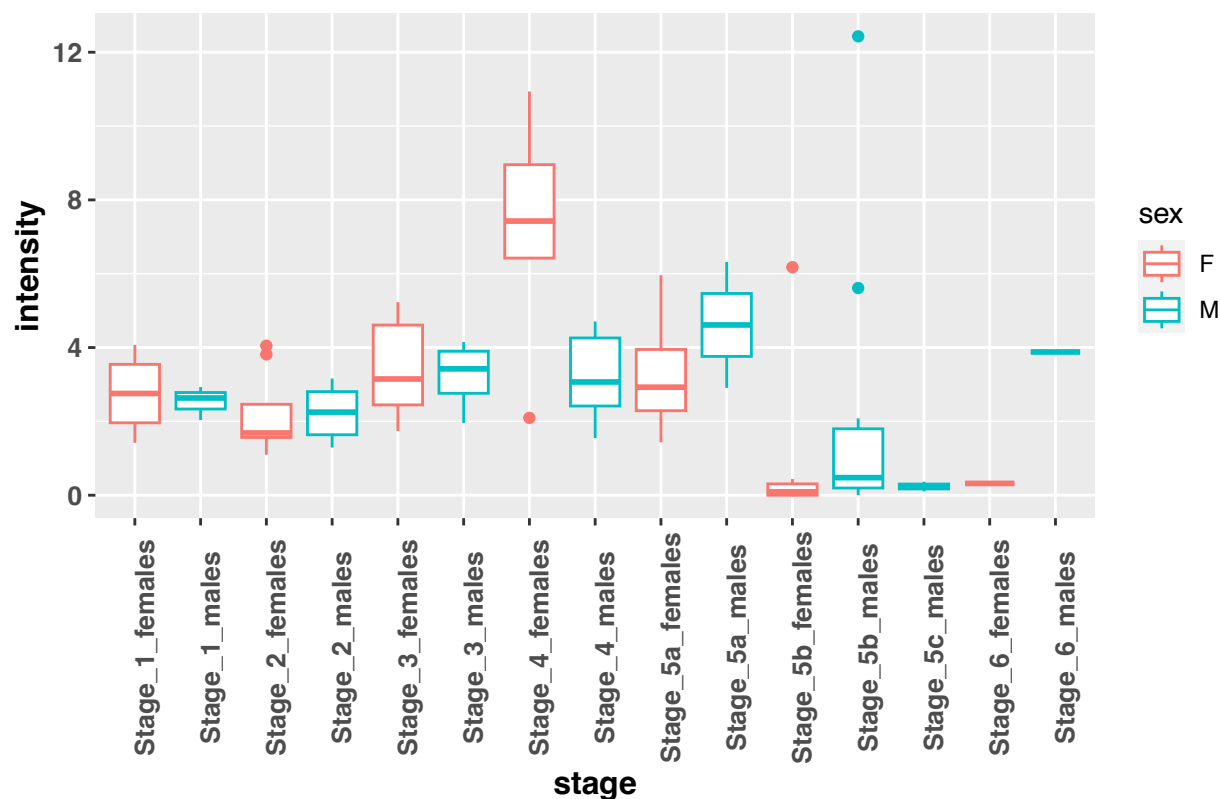
resf1 bufVir1.12761.1 / FDR= 0.662328366796708



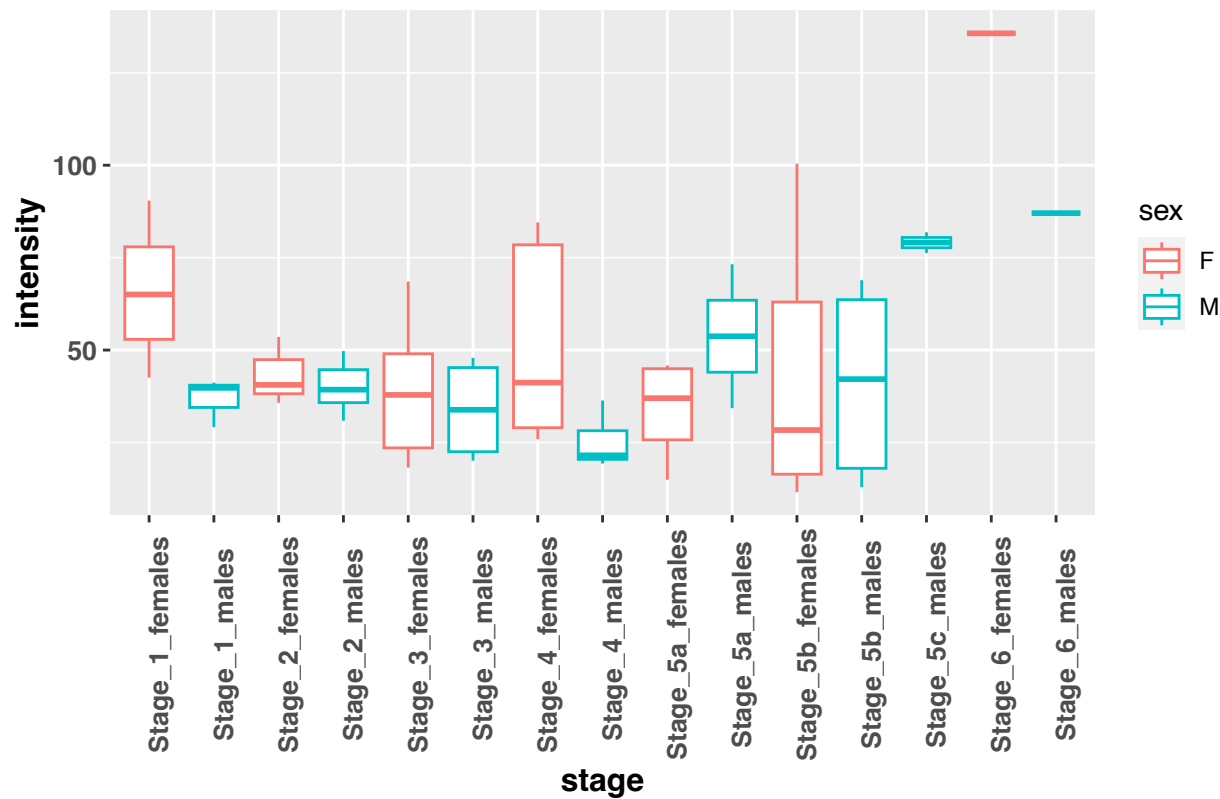
tnfrsf14 bufVir1.13859.1 / FDR= 0.910844573064454



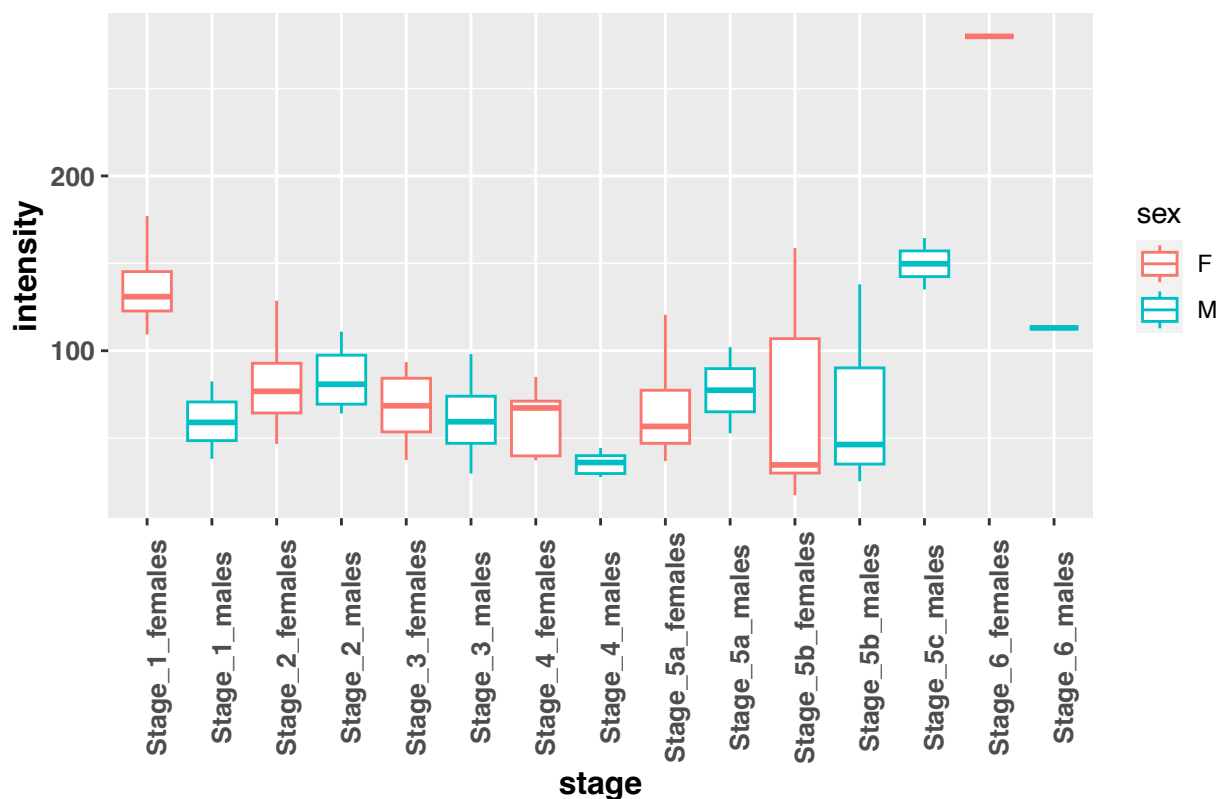
IGSF11 bufVir1.15258.1 / FDR= 0.999980732933913



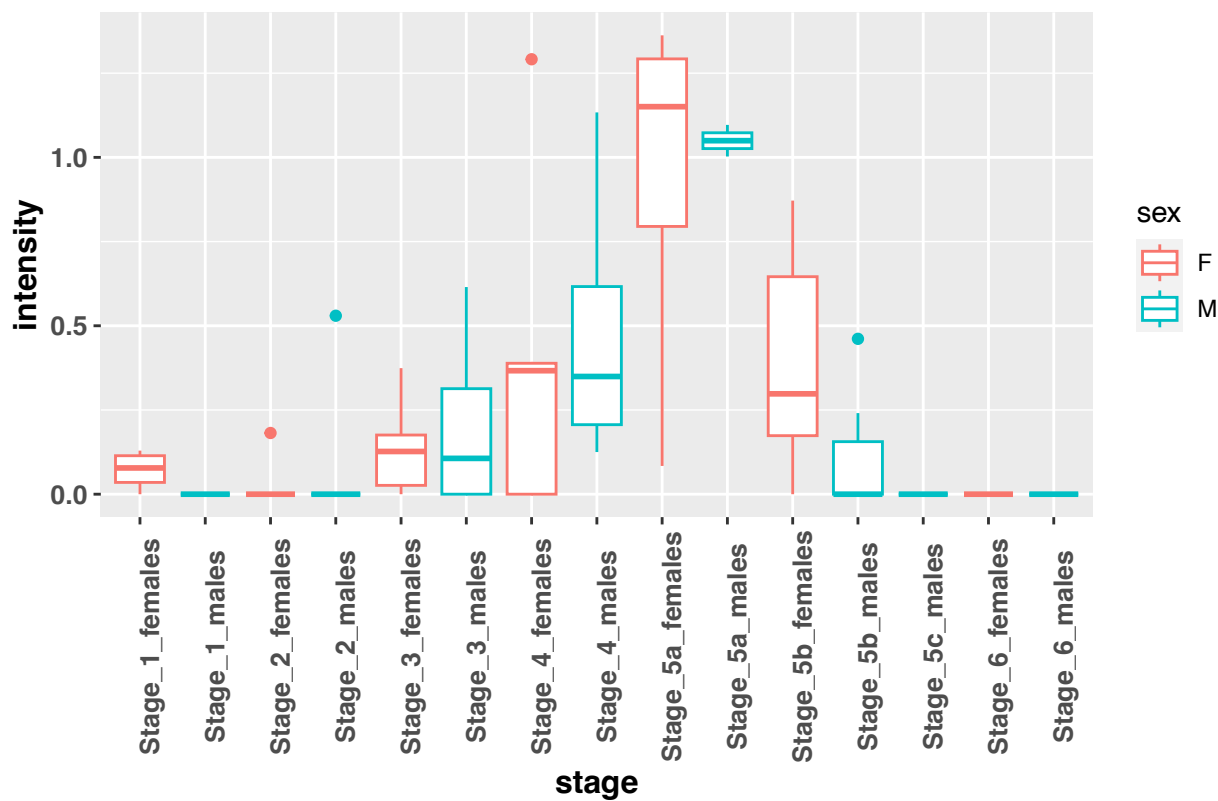
srsf1 bufVir1.17008.1 / FDR= 0.96953572579893



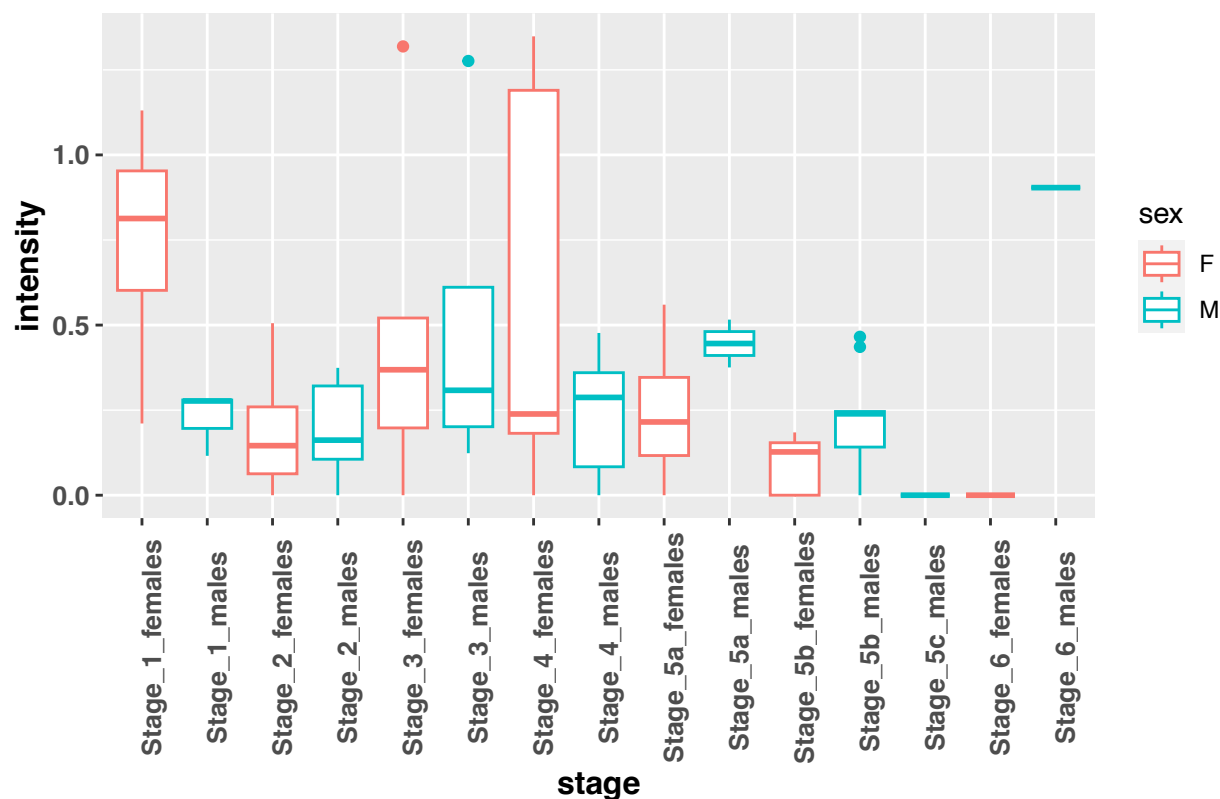
SRSF10 bufVir1.17312.1 / FDR= 0.917041381832643



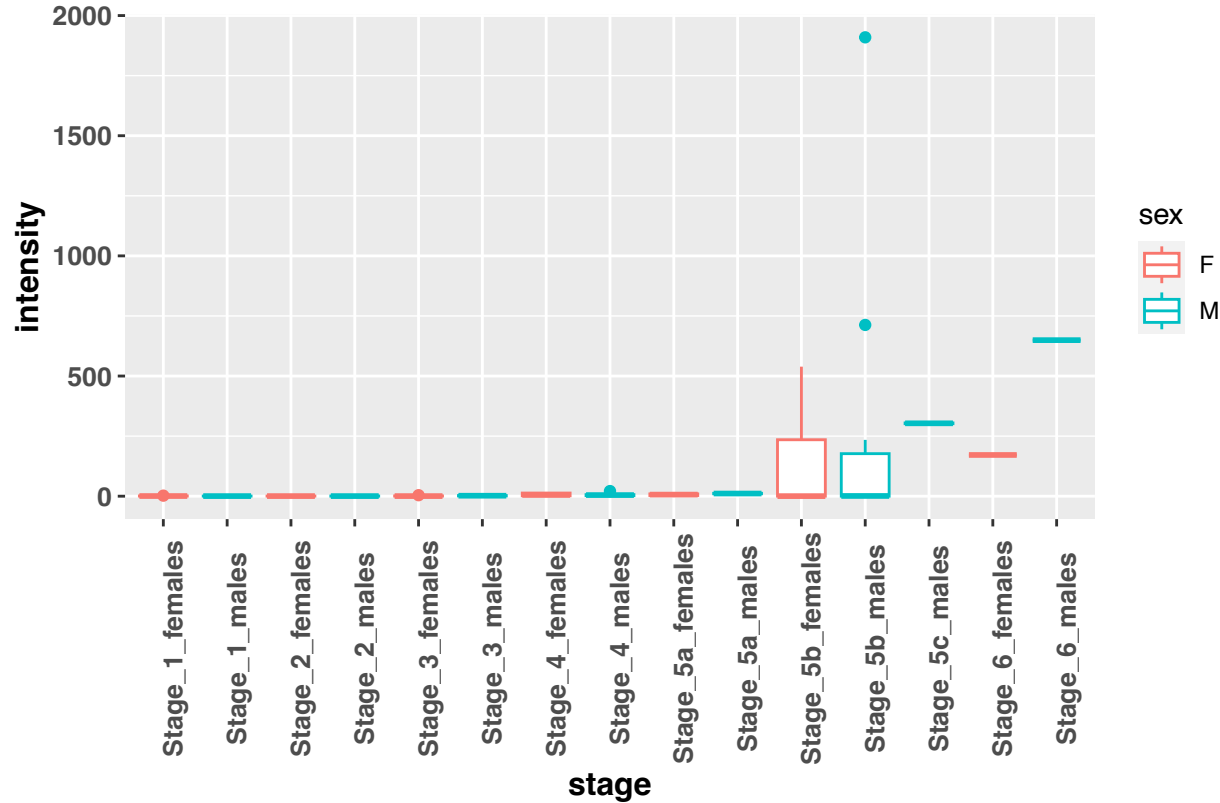
TNFSF13B bufVir1.18026.1 / FDR= 0.999980732933913



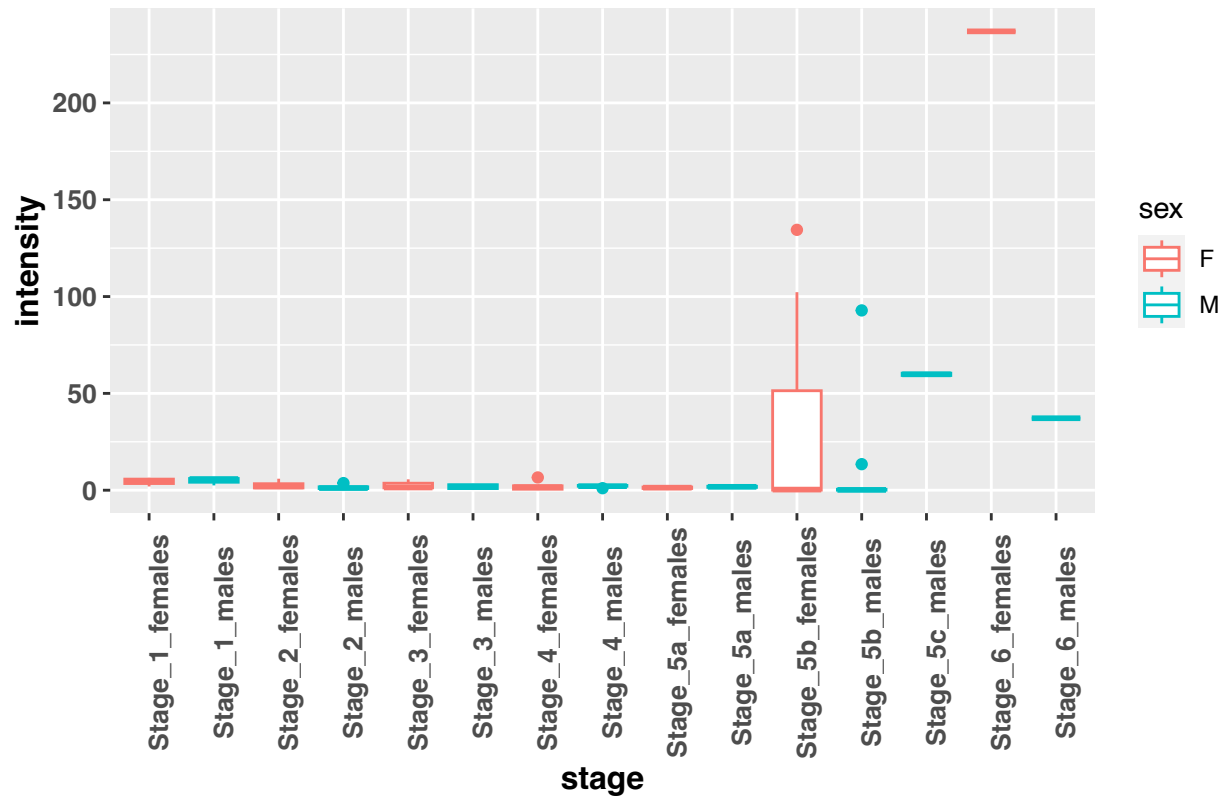
tnfsf11 bufVir1.18337.1 / FDR= 0.999980732933913



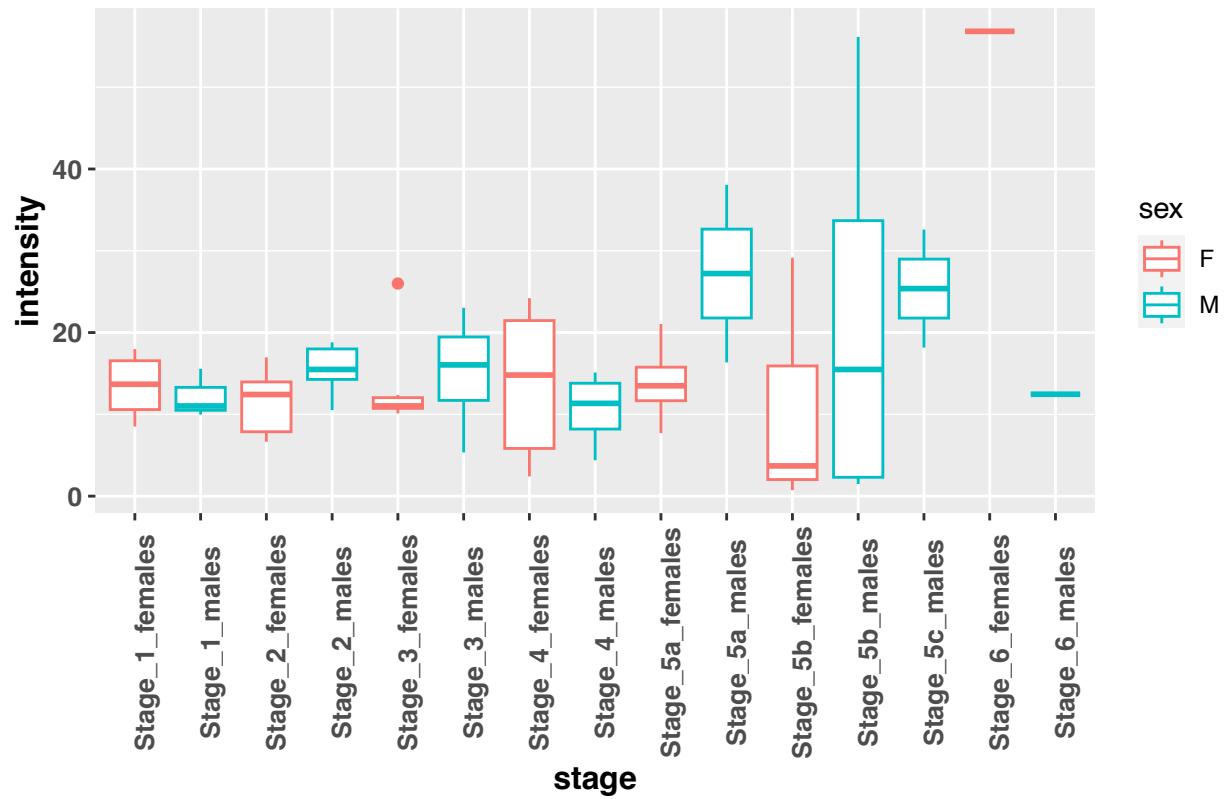
gtsf1 bufVir1.18694.1 / FDR= 0.551992275884576



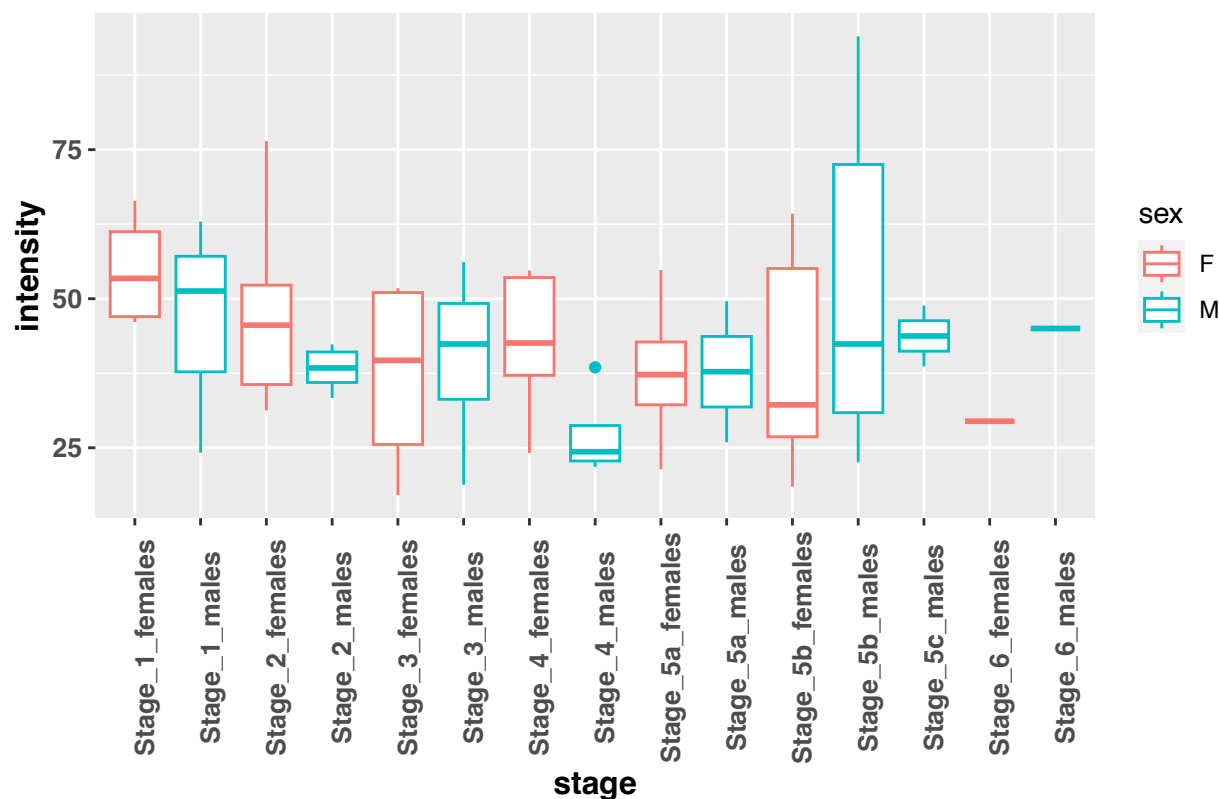
Gtsf1 bufVir1.18711.1 / FDR= 0.718031398376984



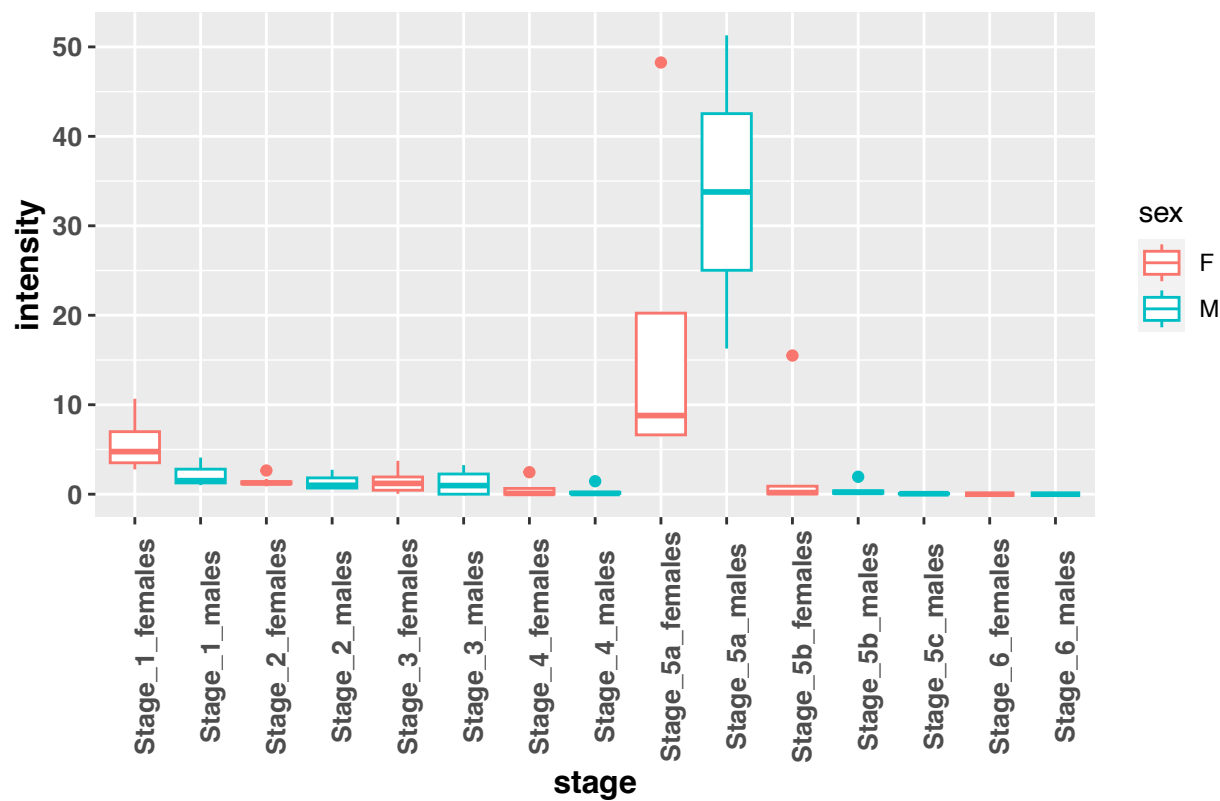
TNFRSF19 bufVir1.19055.1 / FDR= 0.999980732933913



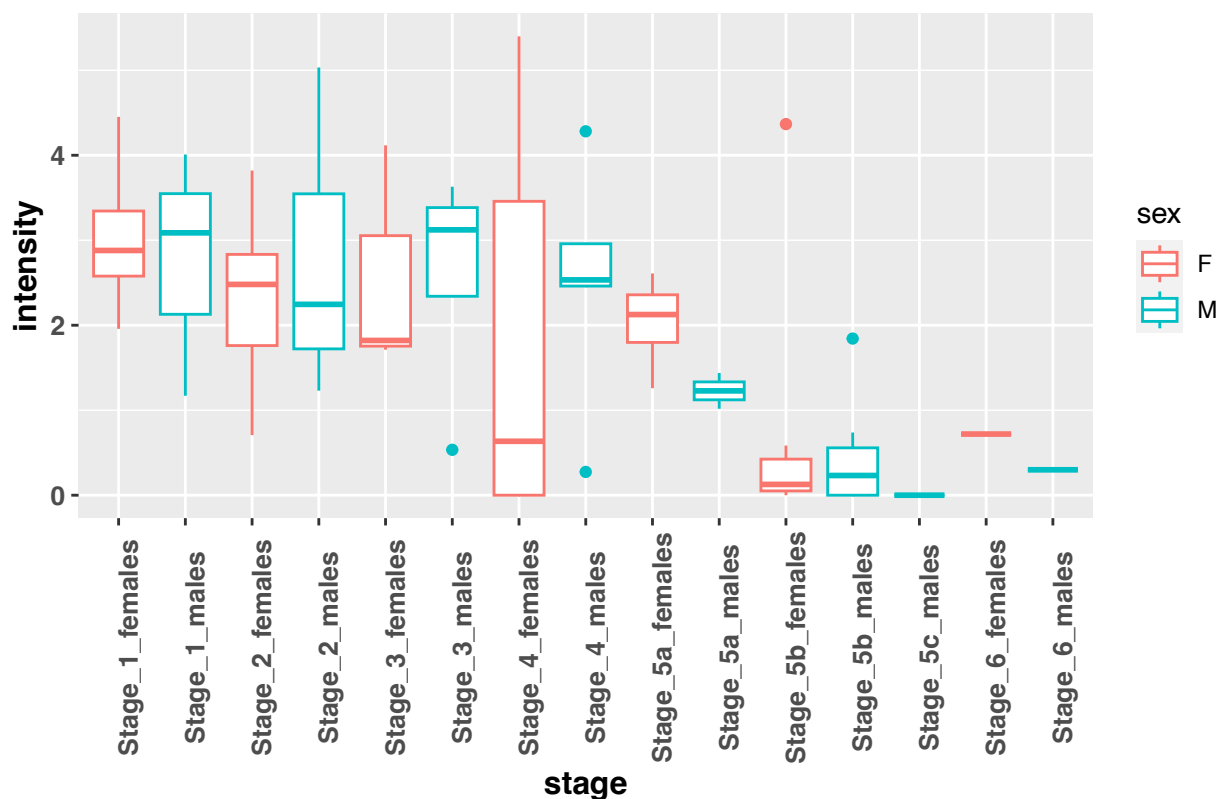
rsf1 bufVir1.19310.2 / FDR= 0.999980732933913



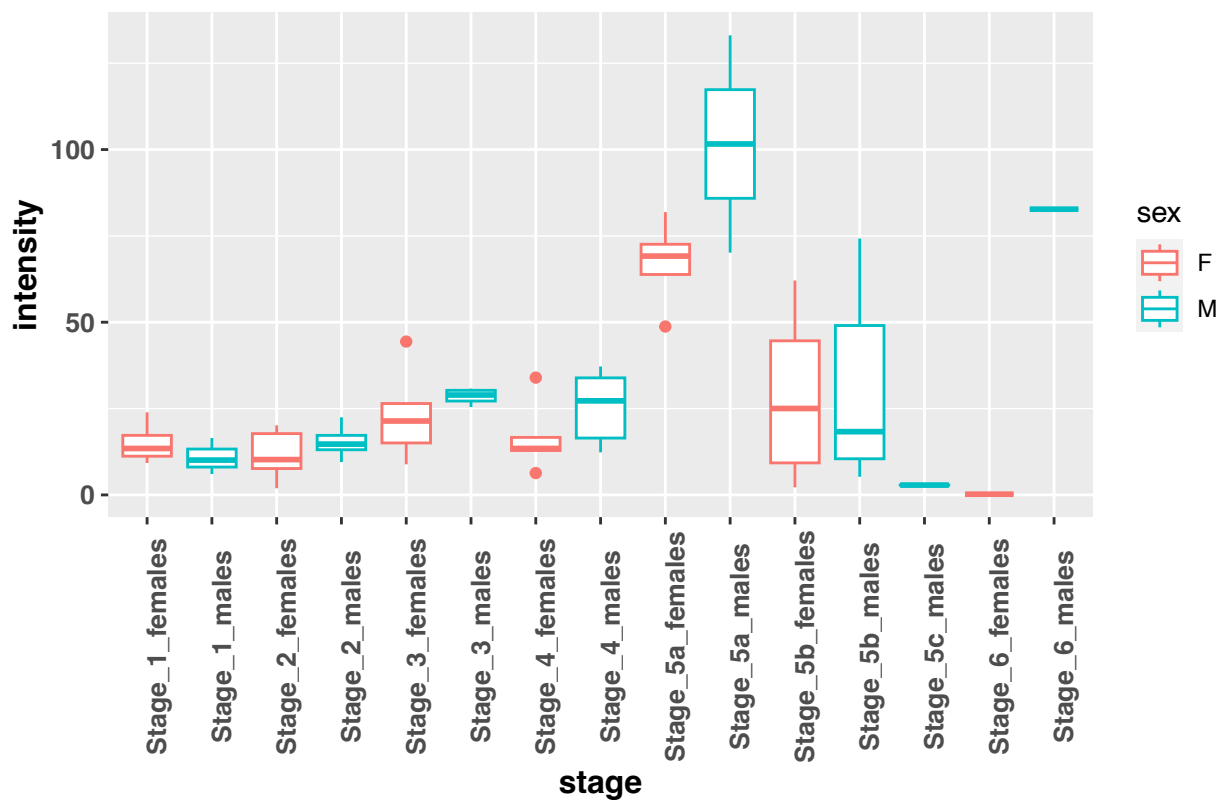
TM4SF1 bufVir1.21010.1 / FDR= 0.999980732933913



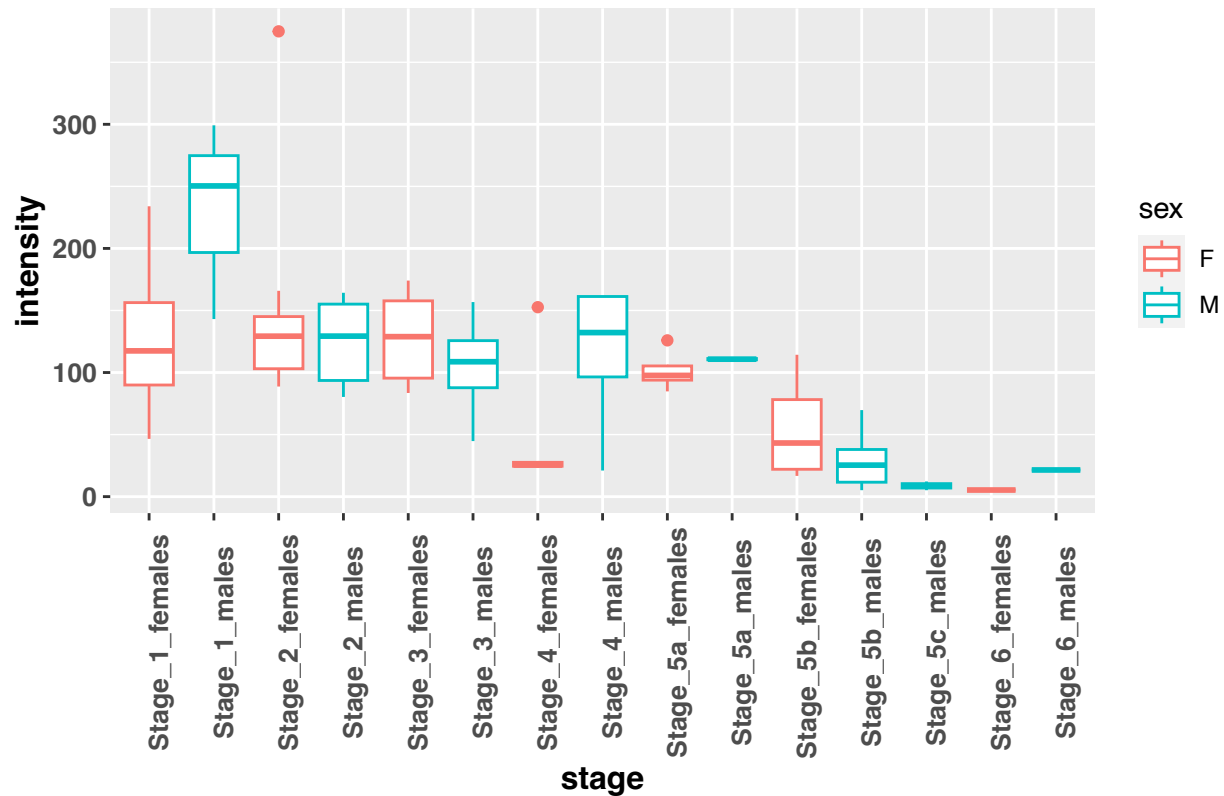
tm4sf18 bufVir1.21012.1 / FDR= 0.999980732933913



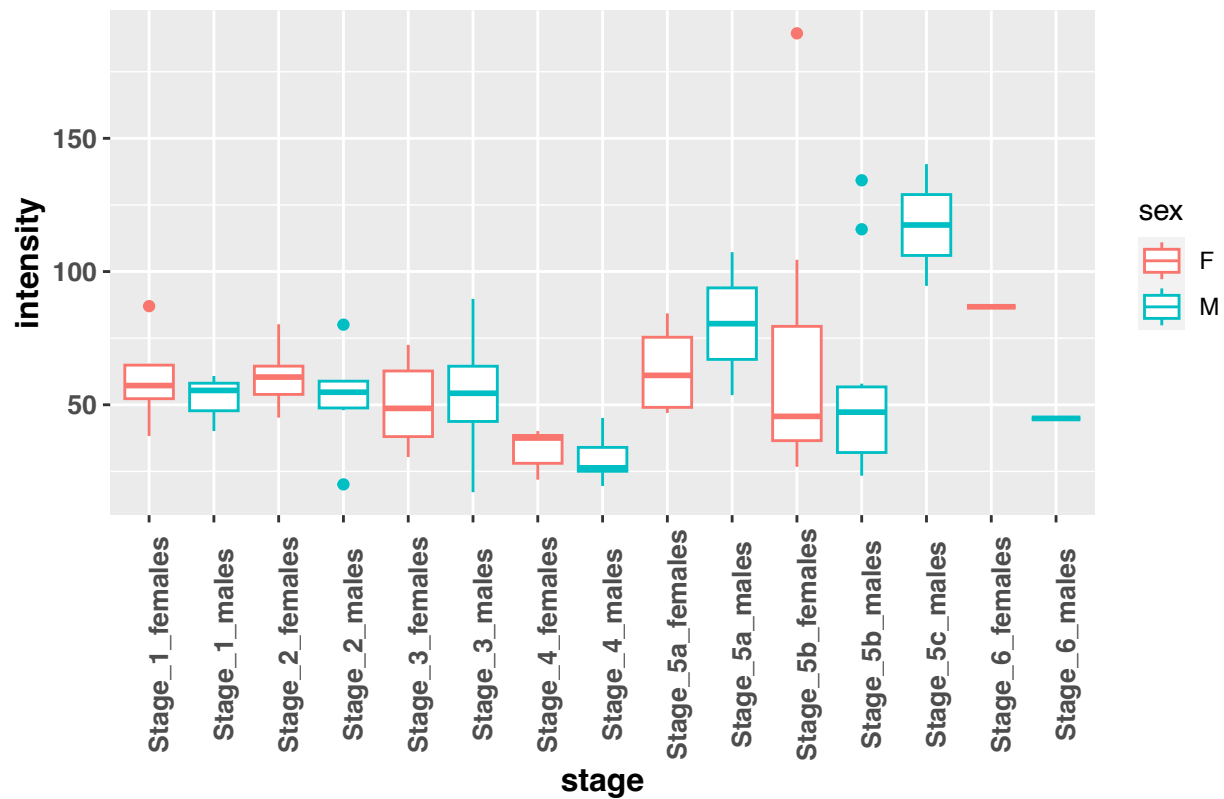
IGSF10 bufVir1.21124.1 / FDR= 0.960747361809433



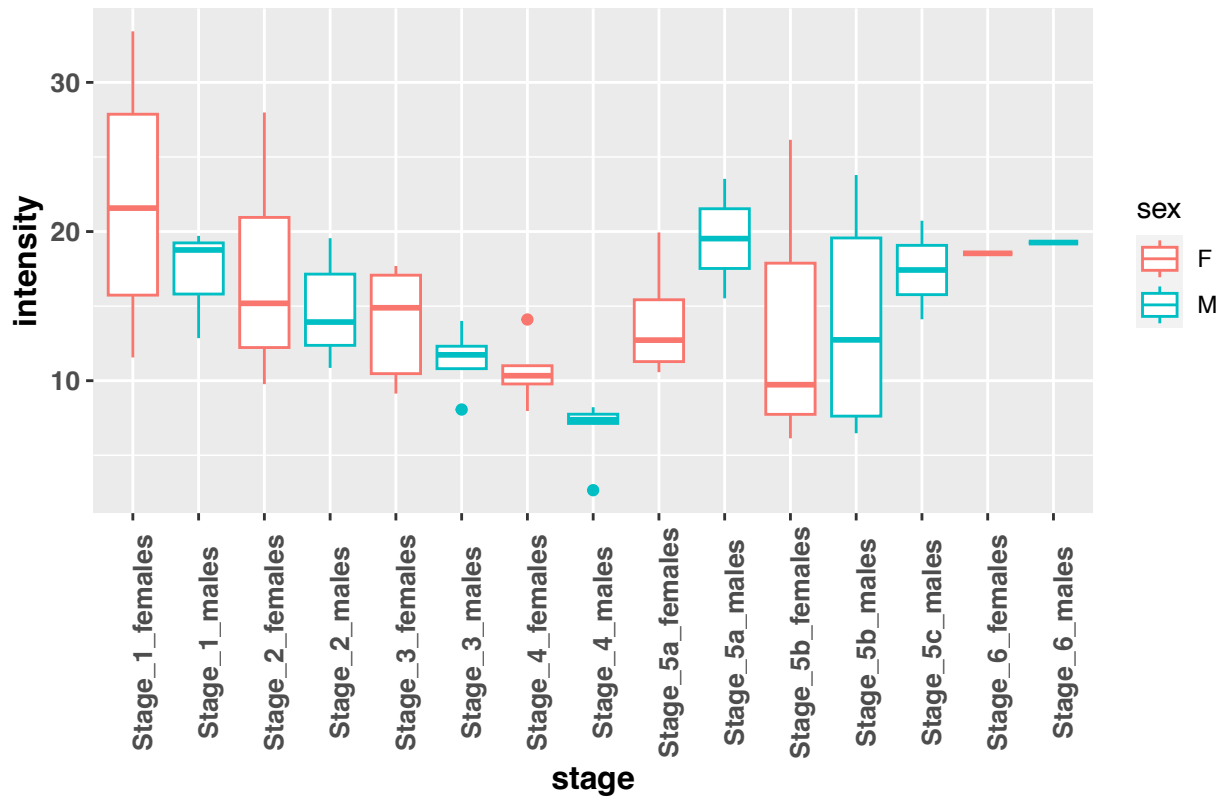
tnfsf10 bufVir1.21293.1 / FDR= 0.768836603016126



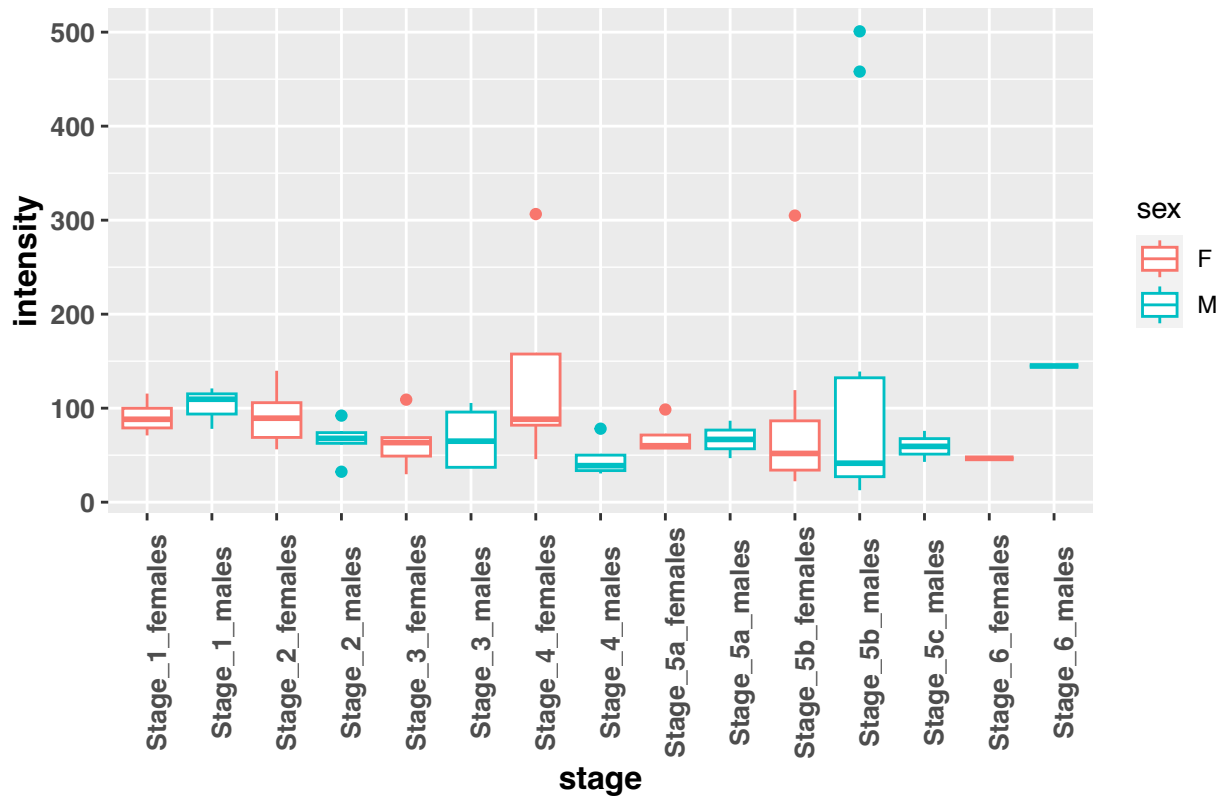
TM9SF1 bufVir1.2140.1 / FDR= 0.999980732933913



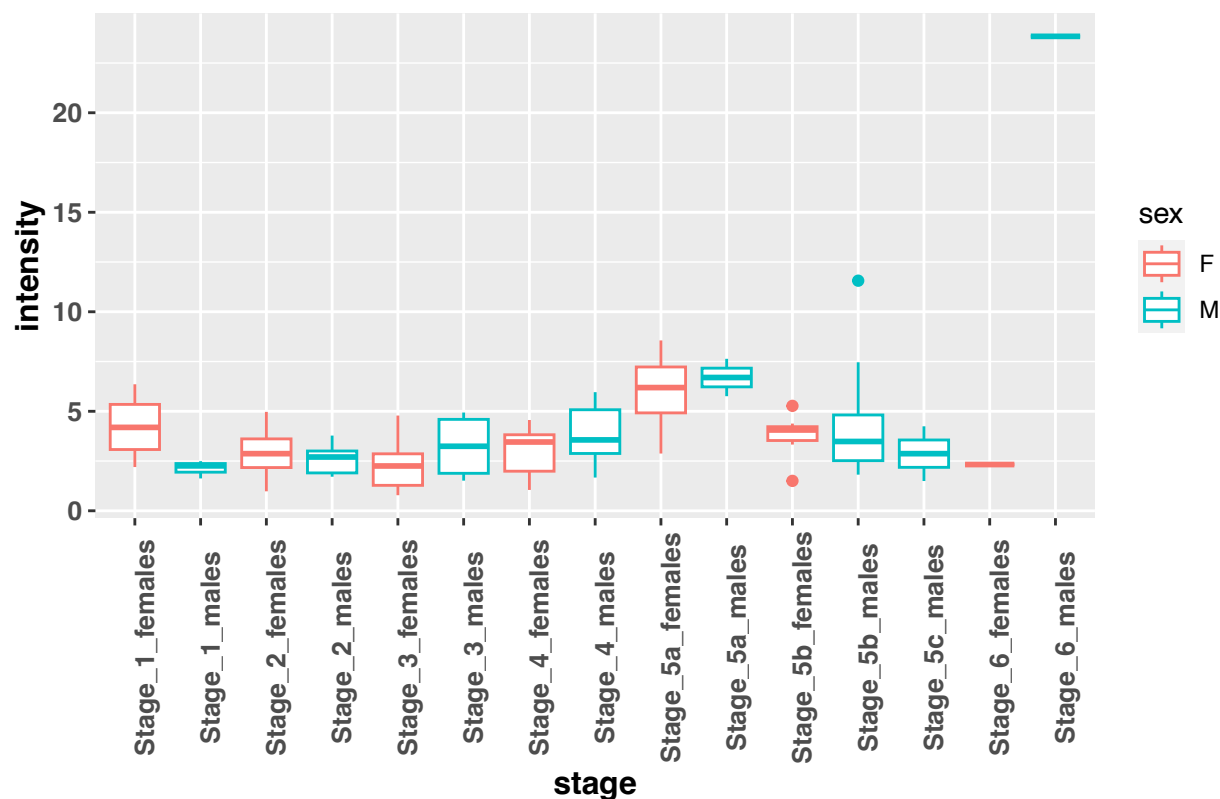
srsf12 bufVir1.21927.2 / FDR= 0.999980732933913



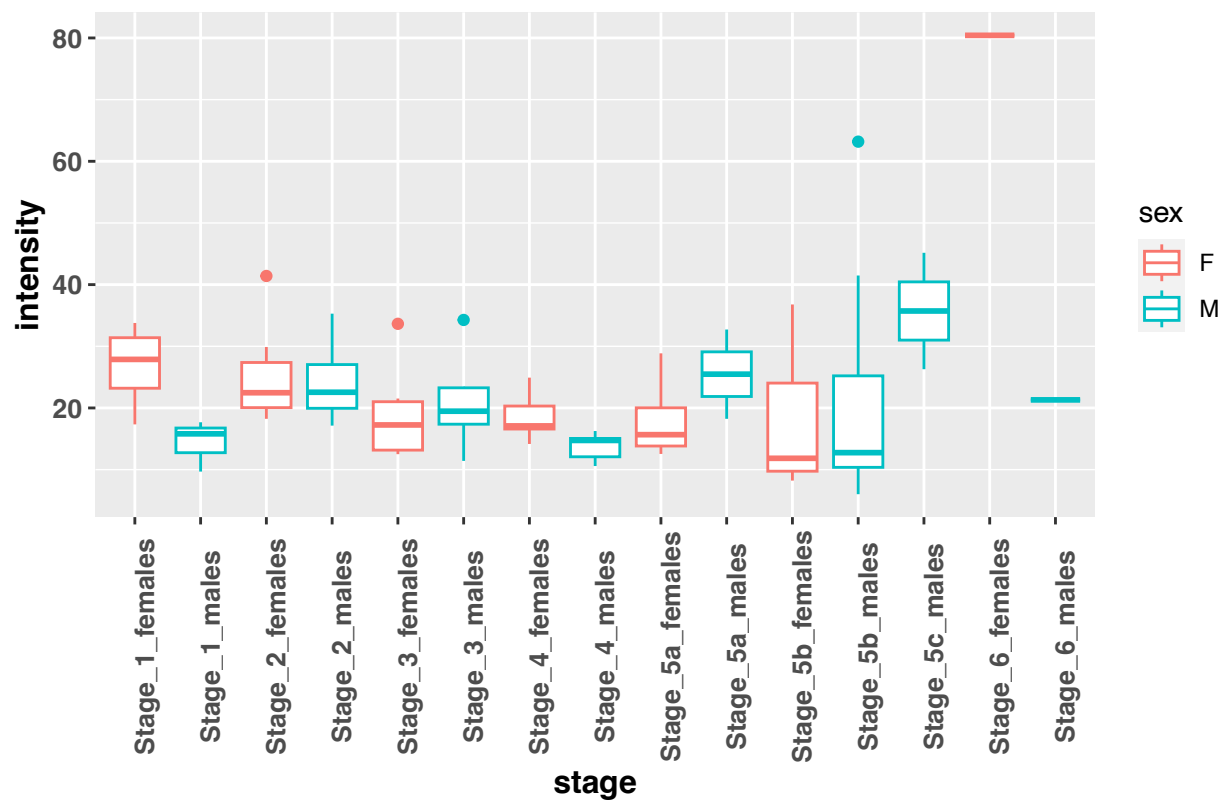
WASF1 bufVir1.22099.1 / FDR= 0.959498804956054

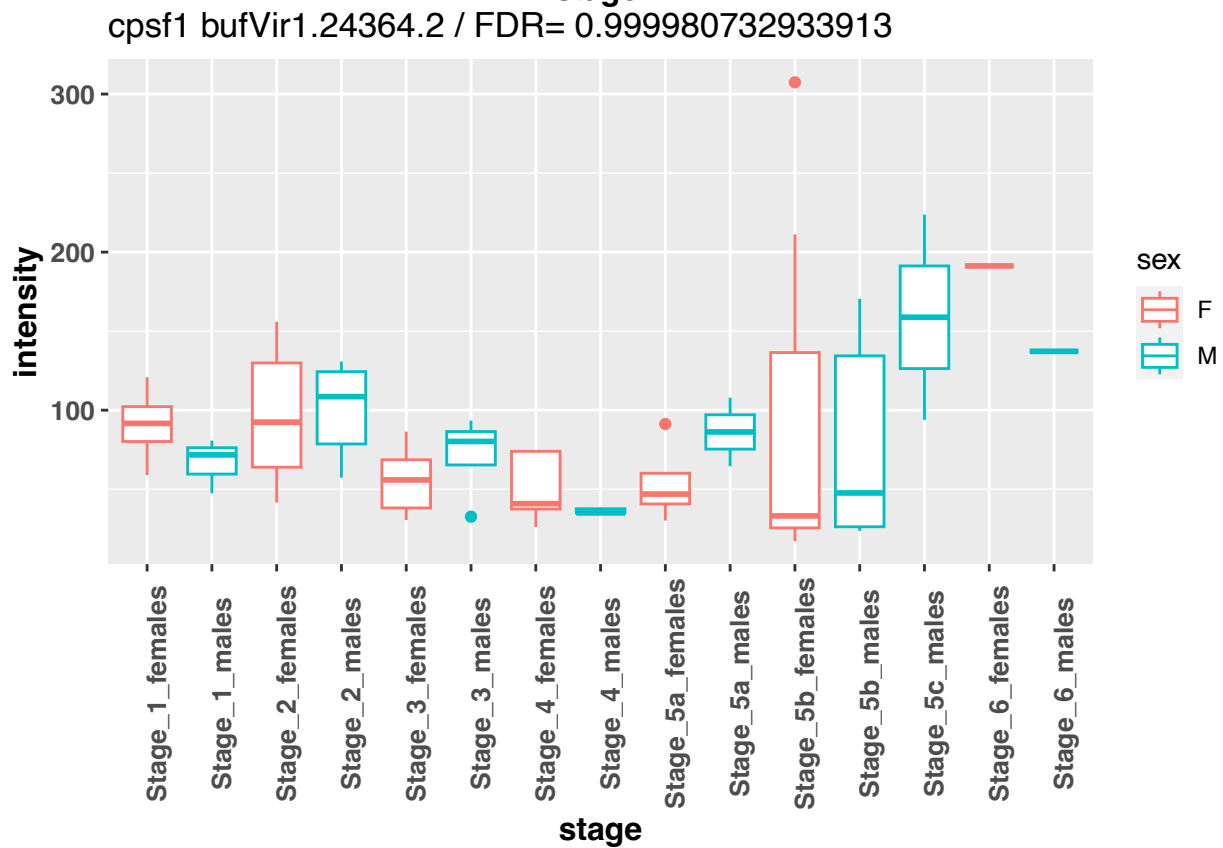
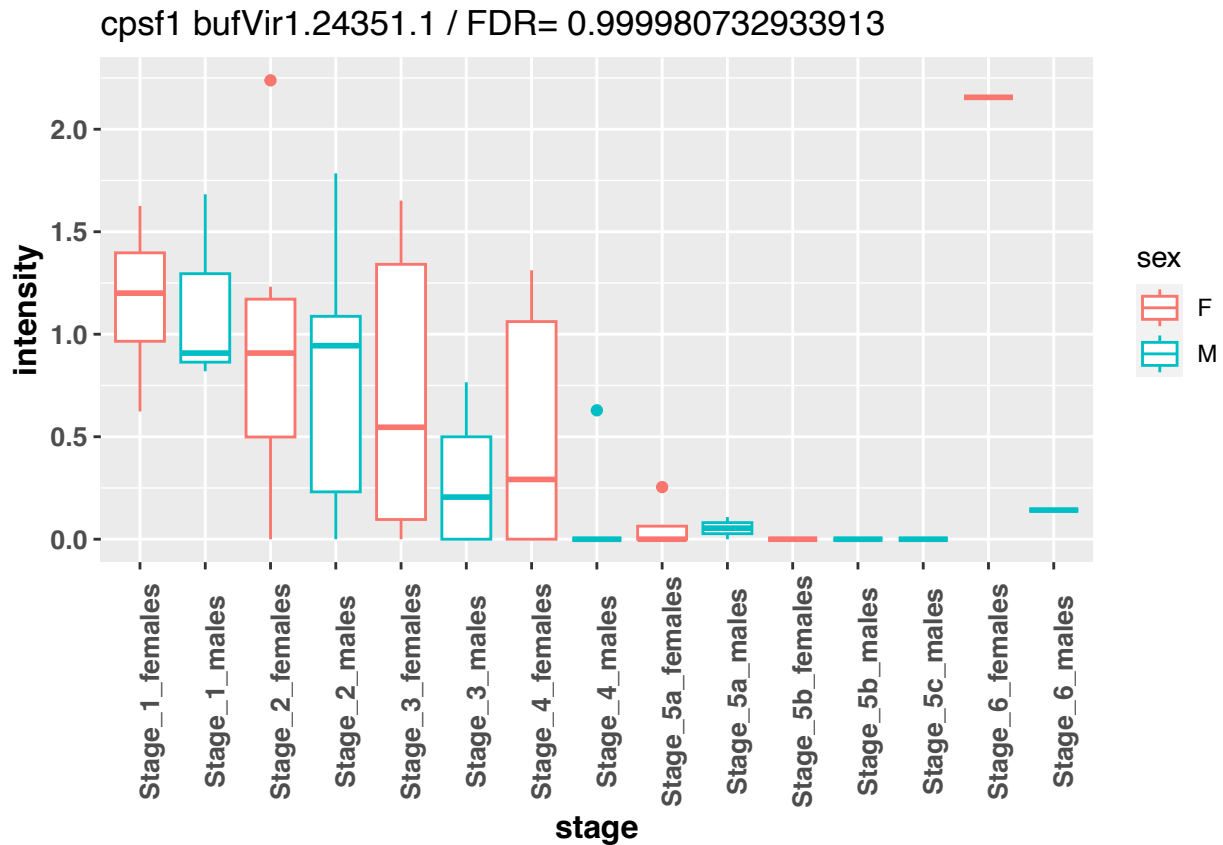


ASF1A bufVir1.22196.1 / FDR= 0.753785687530856

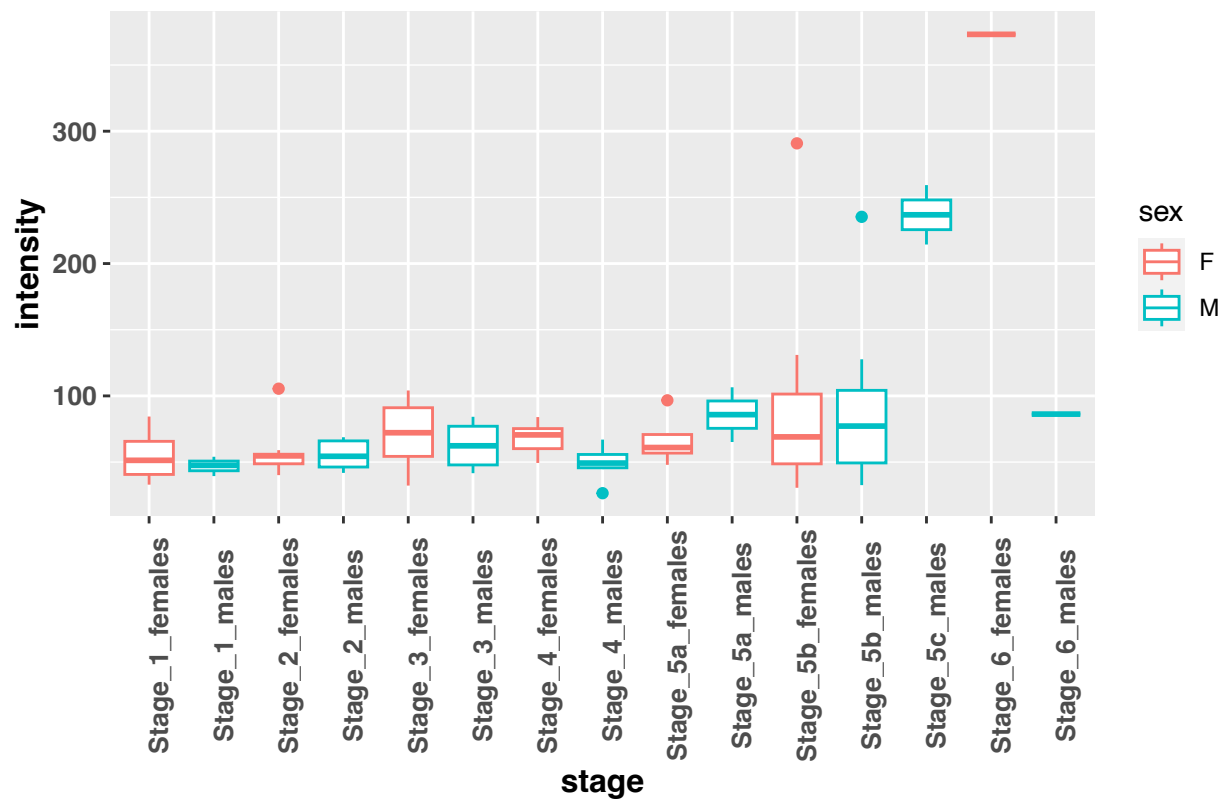


ESF1 bufVir1.23245.2 / FDR= 0.999980732933913

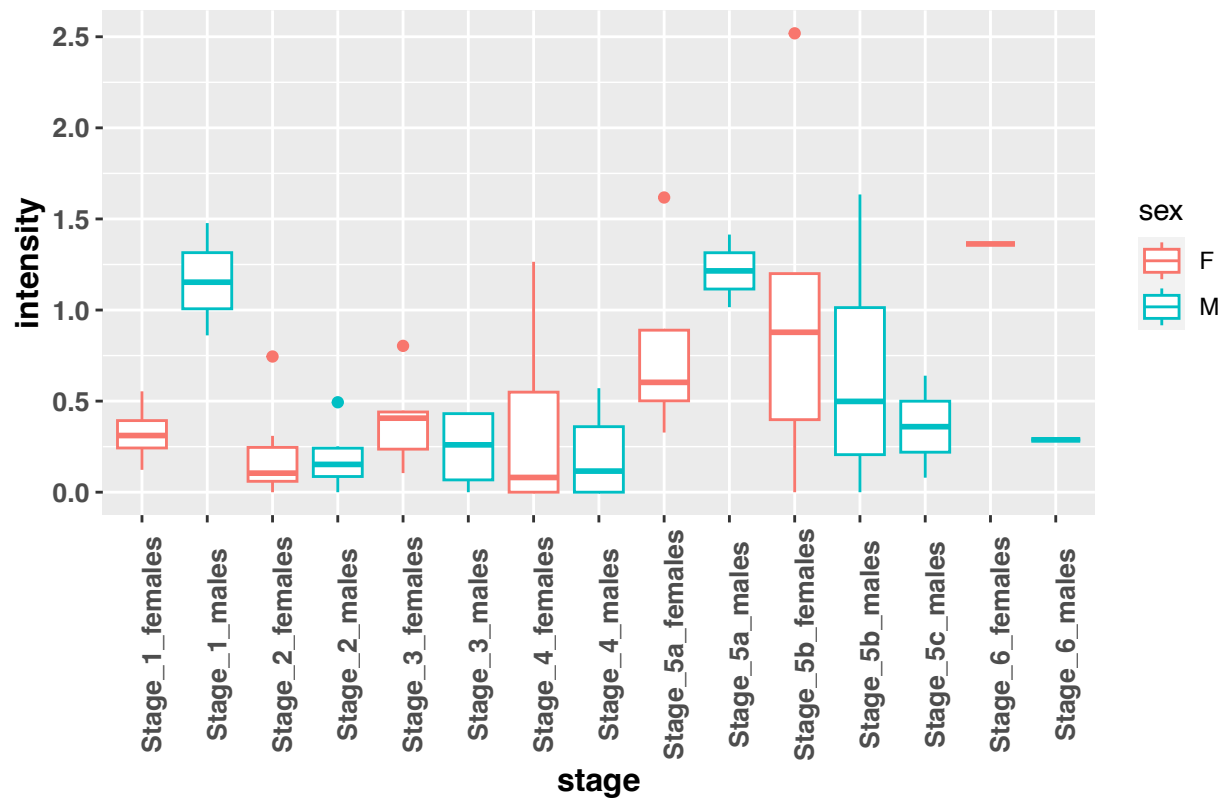




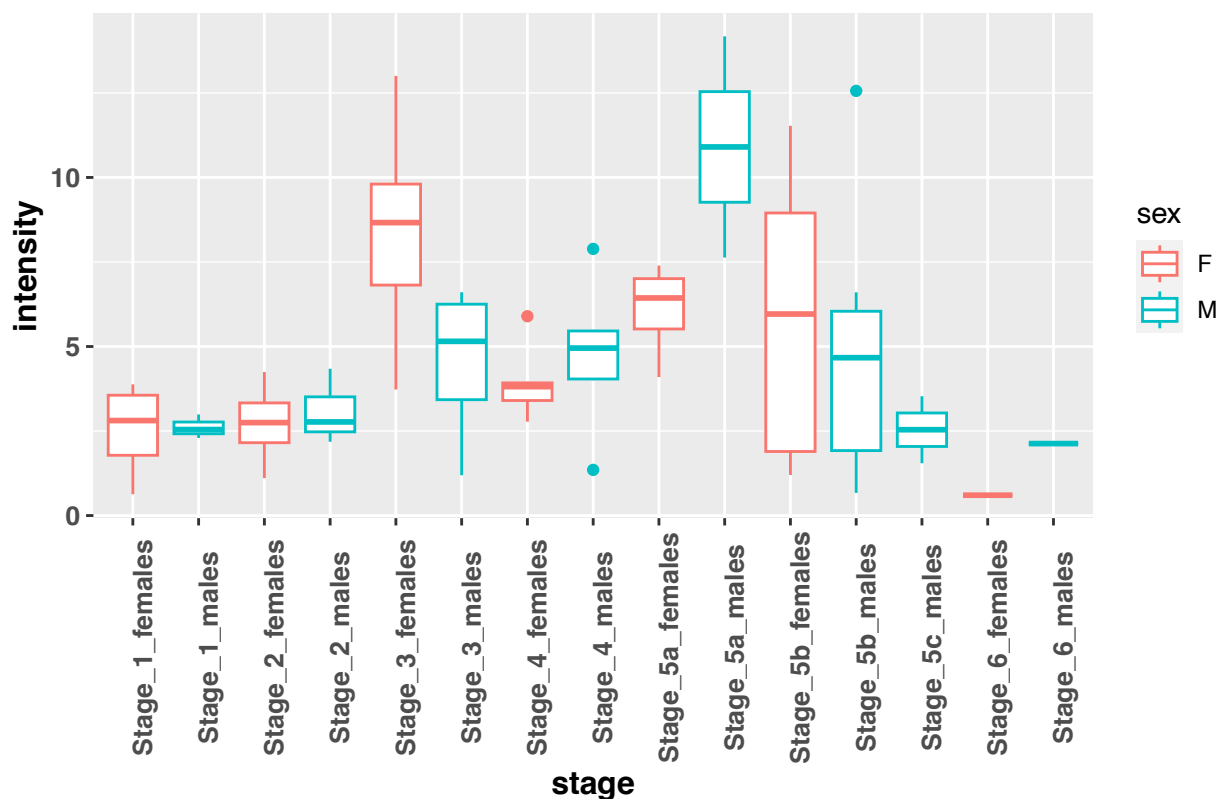
hsf1 bufVir1.24377.1 / FDR= 0.999980732933913



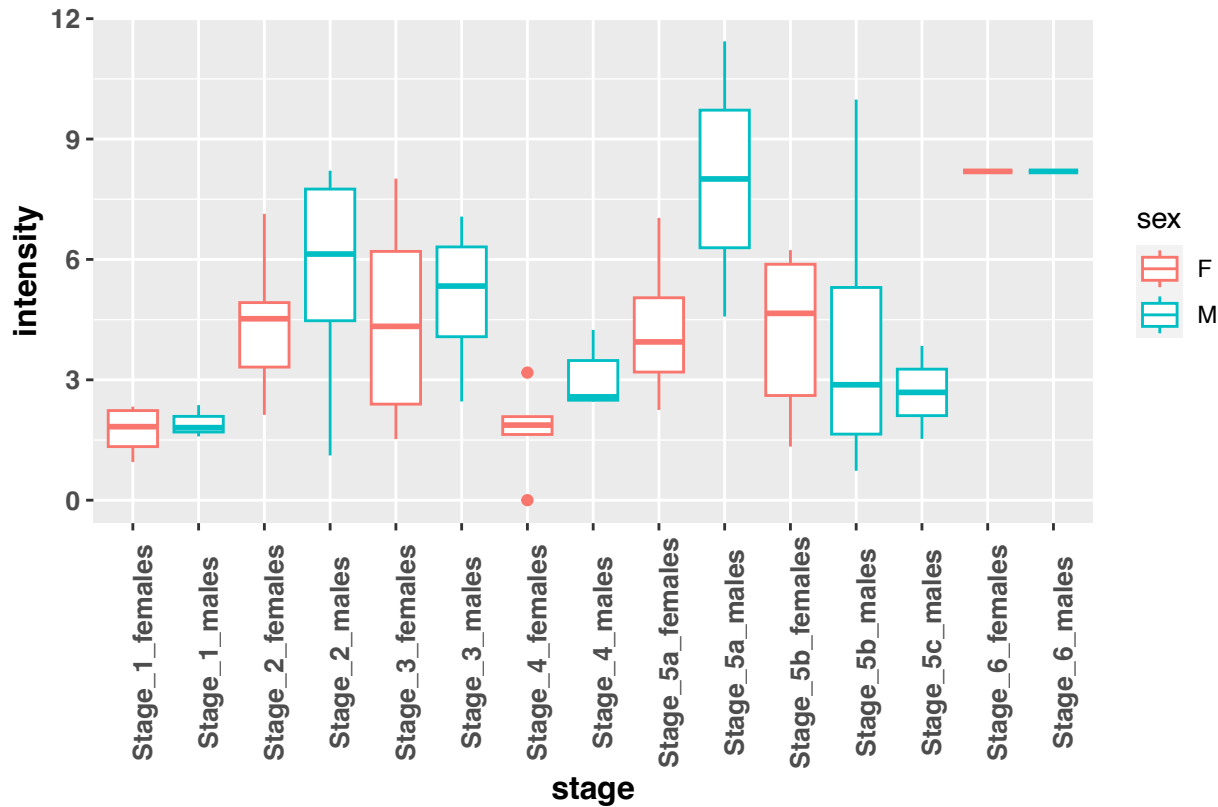
TNFRSF11B bufVir1.24918.1 / FDR= 0.995329573911054

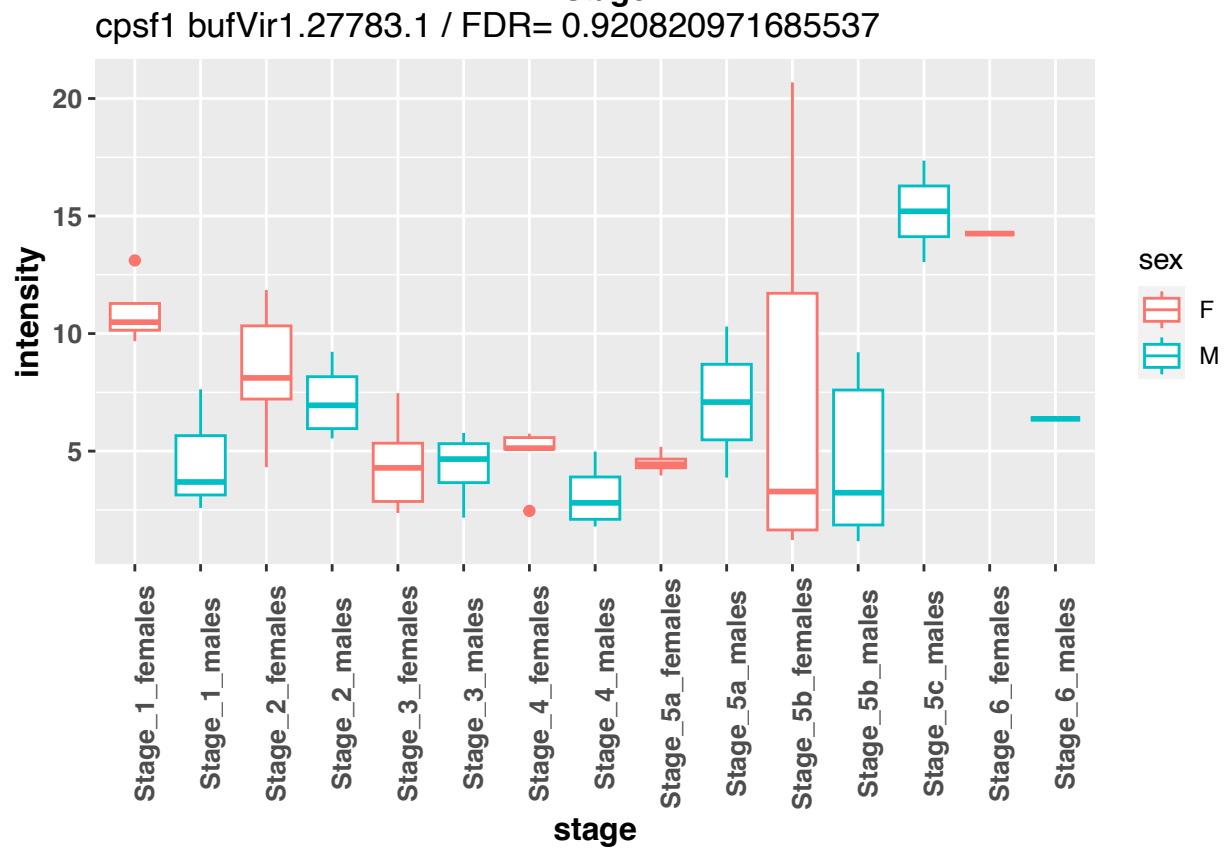
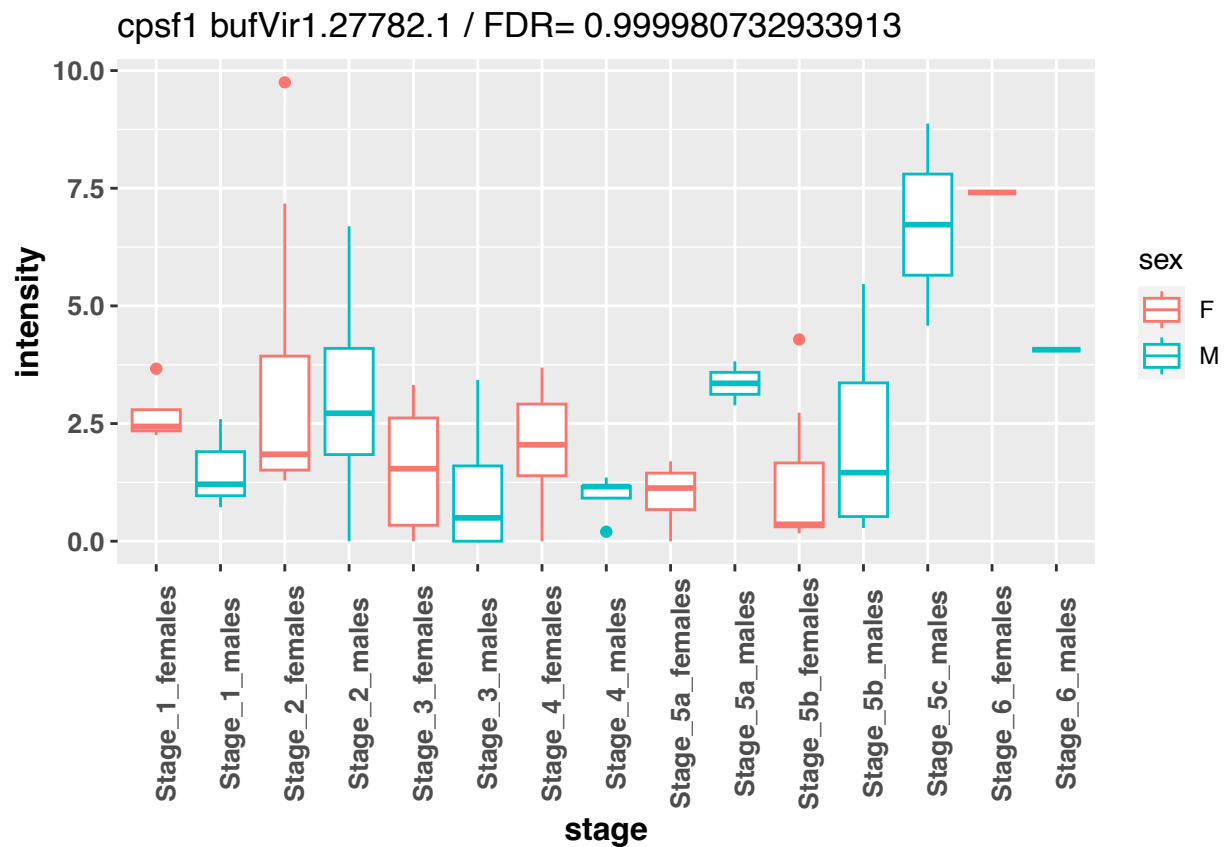


ENOSF1 bufVir1.25334.1 / FDR= 0.999980732933913

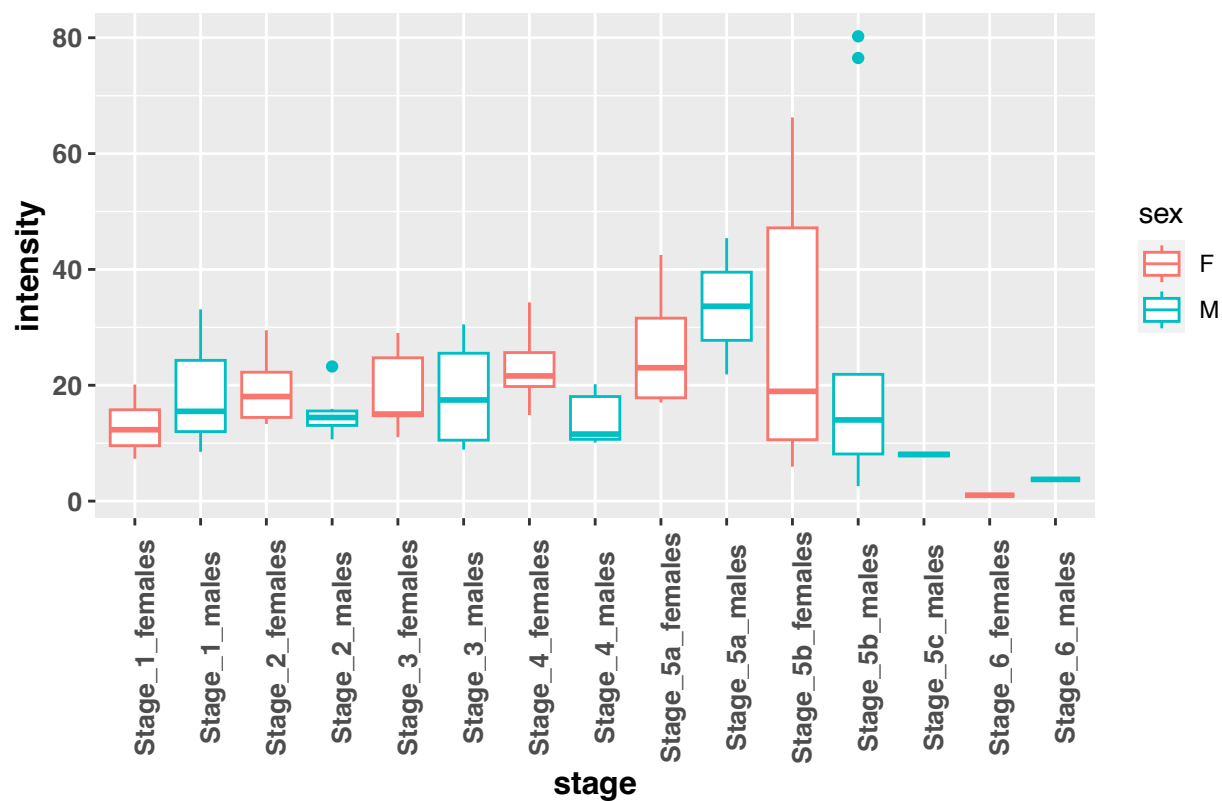


tnfrsf11a bufVir1.26343.1 / FDR= 0.943302448238975

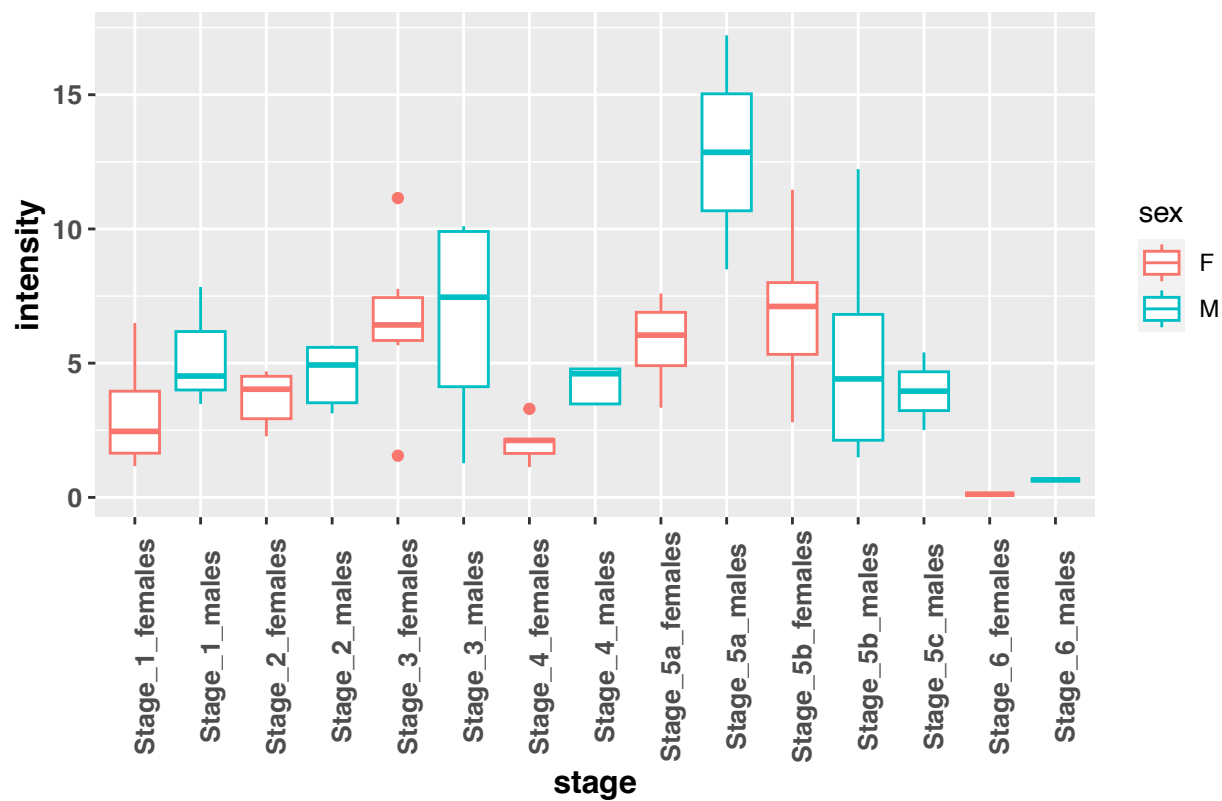




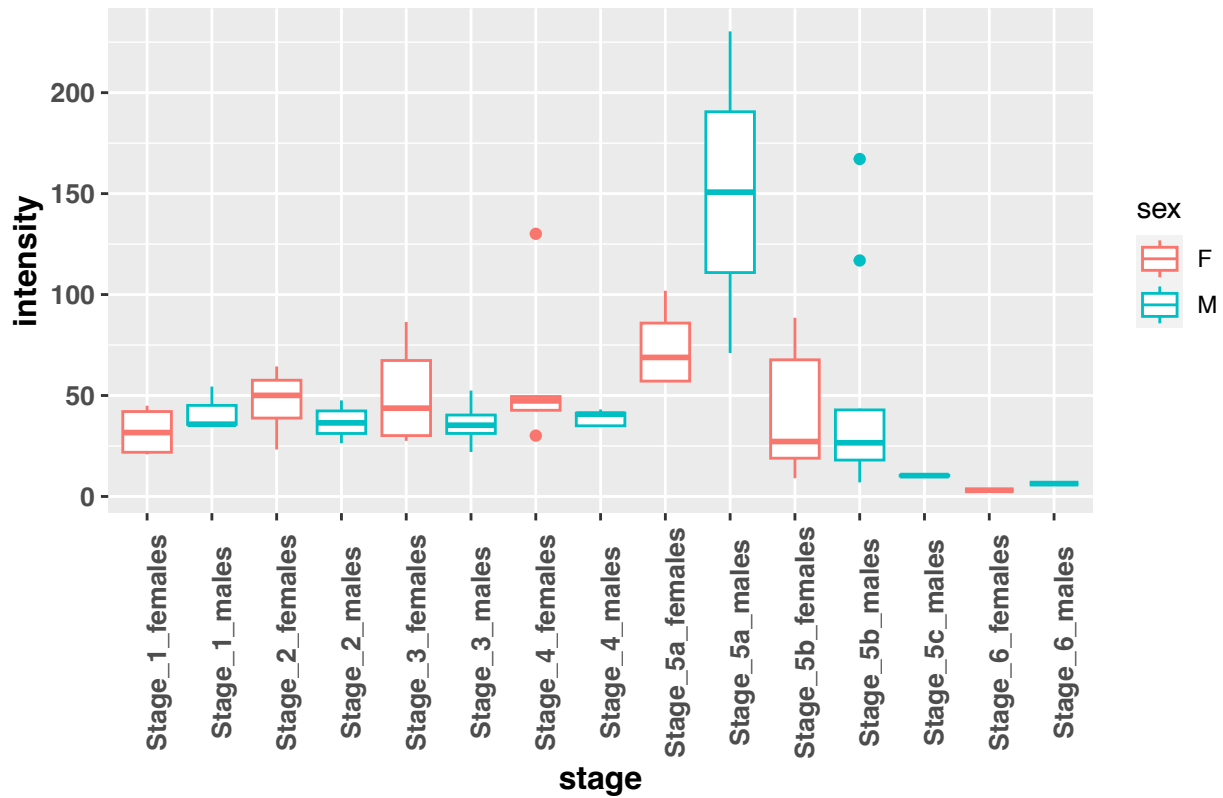
TNFRSF1A bufVir1.28020.1 / FDR= 0.999980732933913



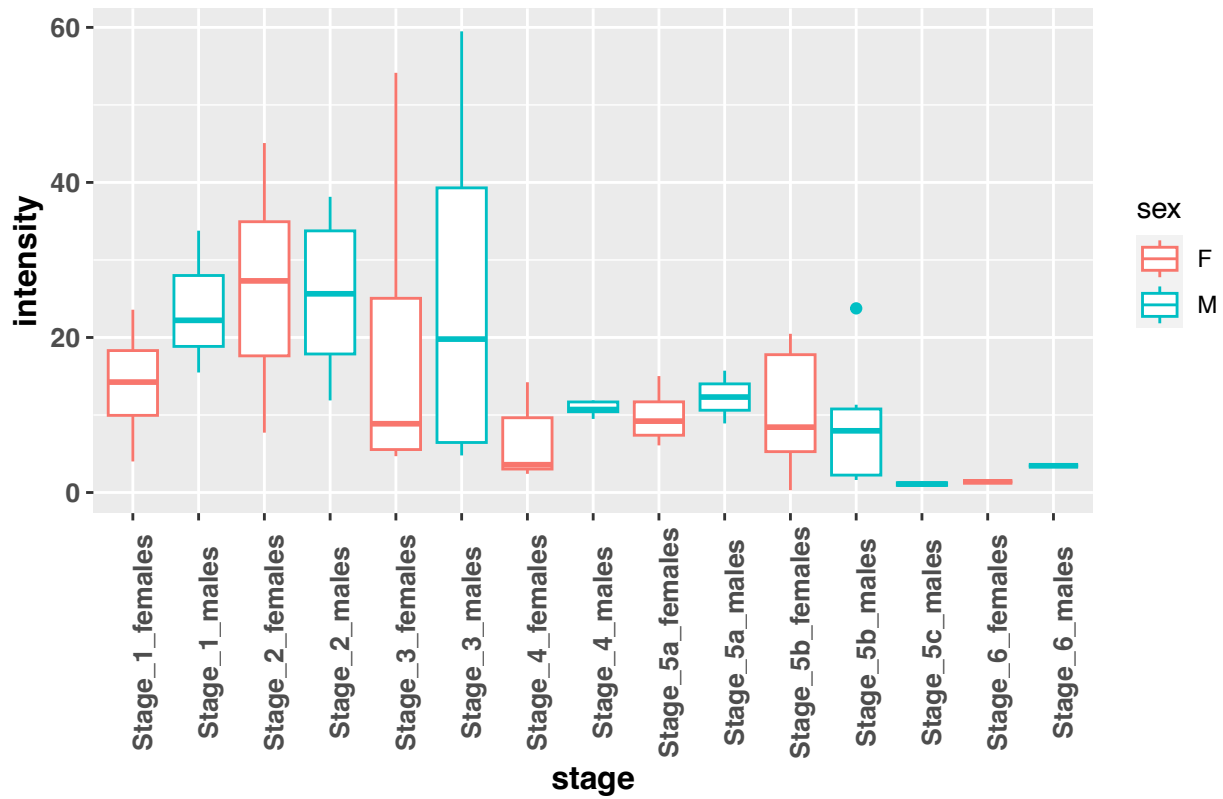
Tnfrsf1b bufVir1.28049.2 / FDR= 0.86705809514744



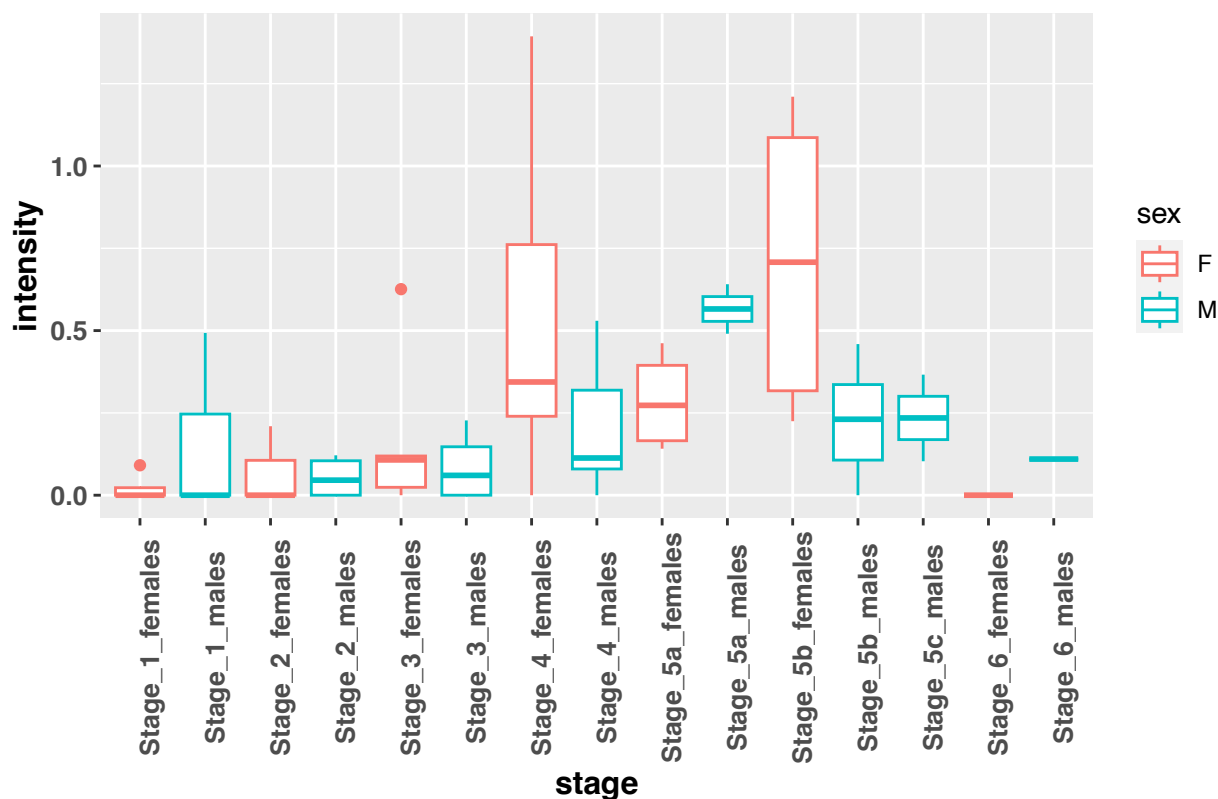
TNFRSF1A bufVir1.28051.2 / FDR= 0.999980732933913



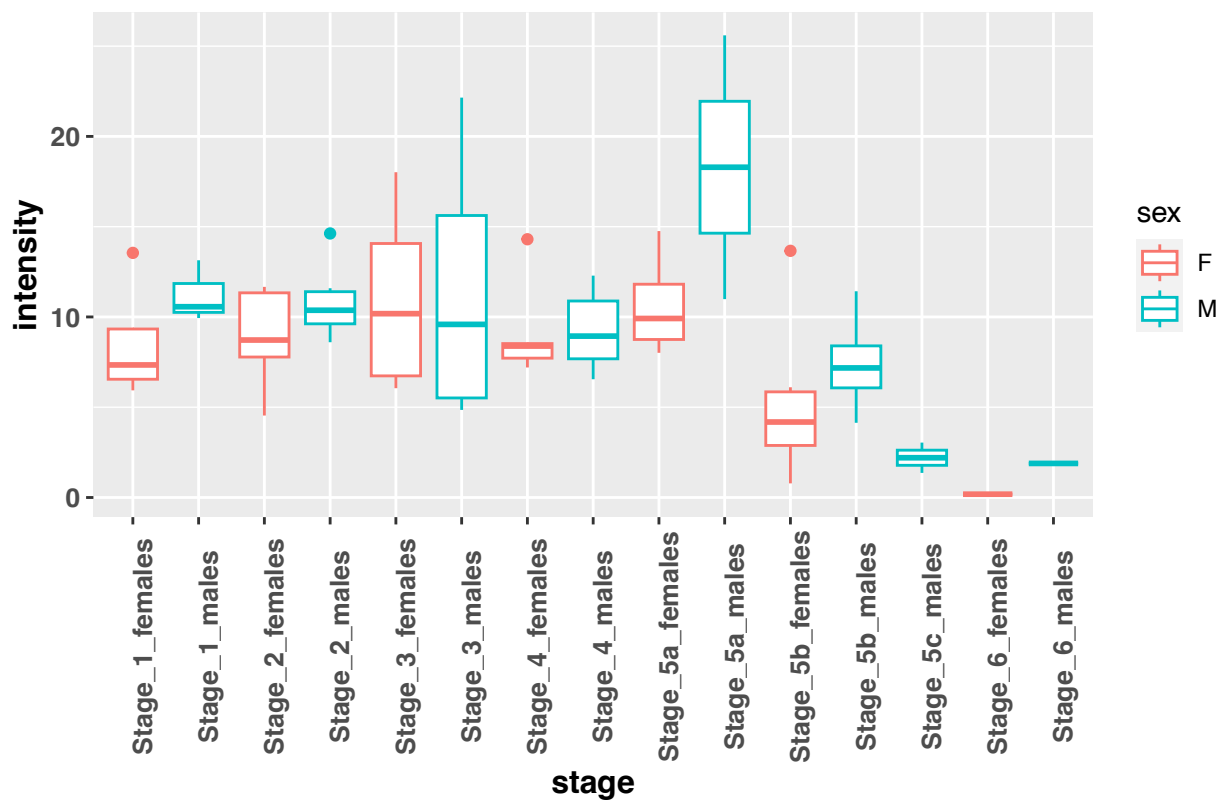
TNFRSF12A bufVir1.31396.1 / FDR= 0.998332084571295



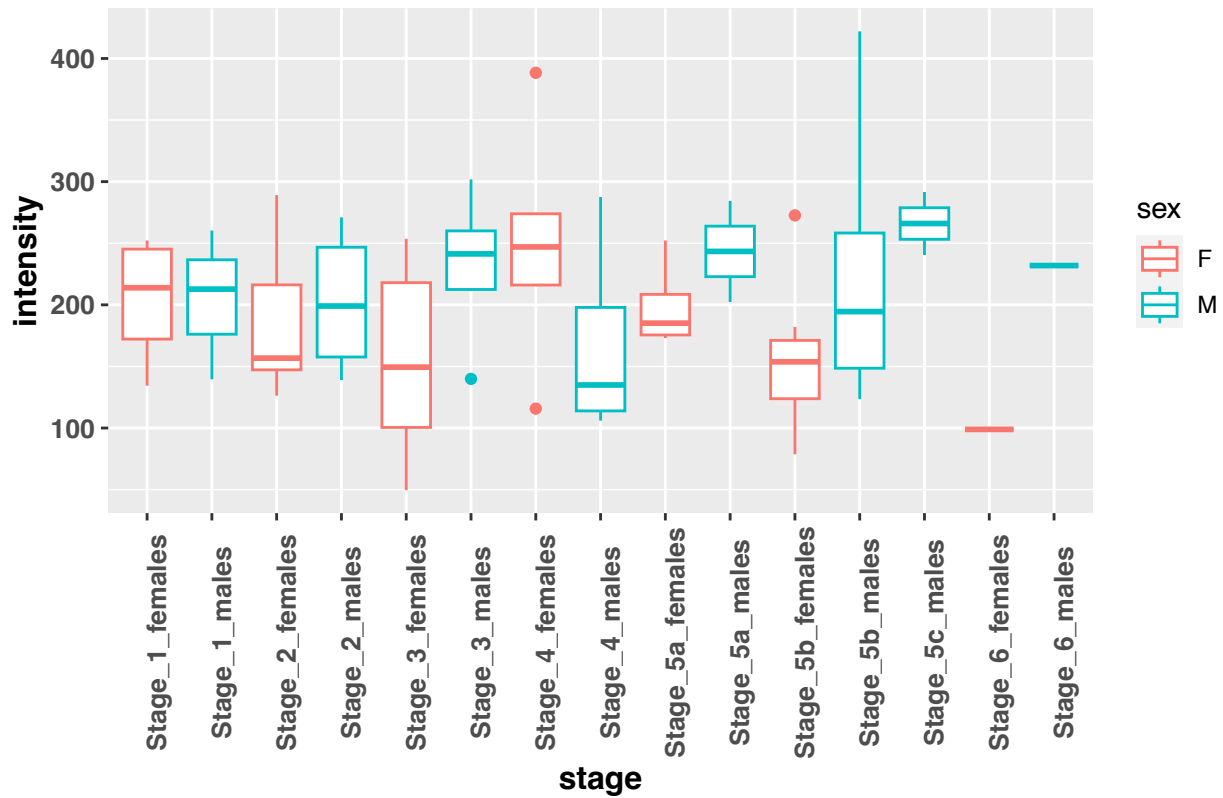
tnfrsf17 bufVir1.31956.1 / FDR= 0.947594646826181



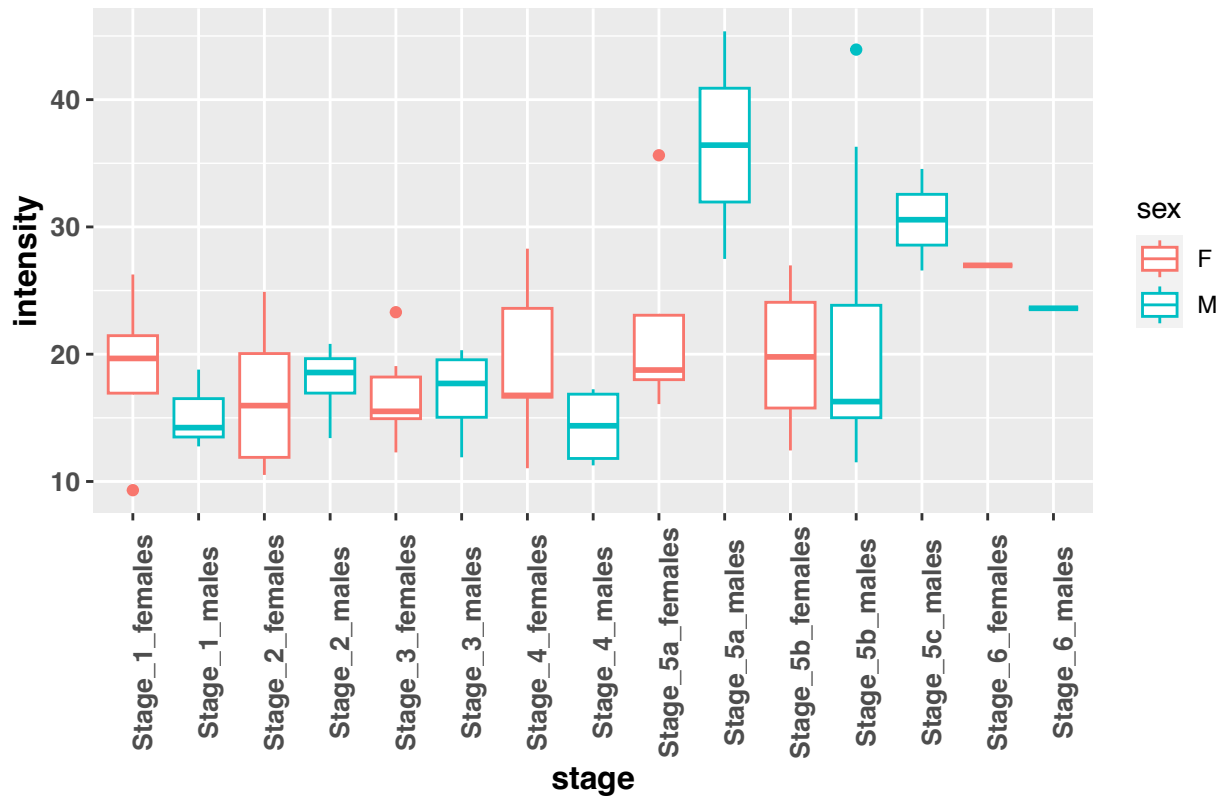
rassf1 bufVir1.33431.2 / FDR= 0.967213578575041



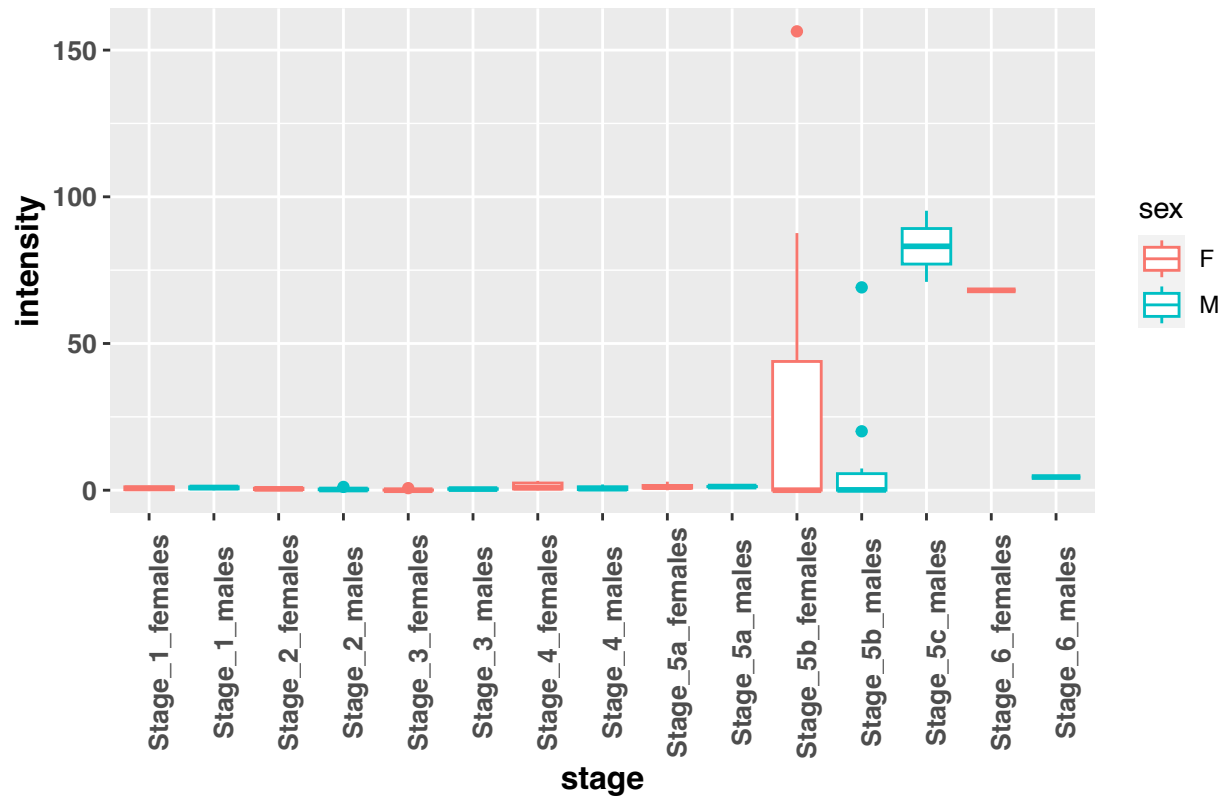
srsf11 bufVir1.34905.1 / FDR= 0.999980732933913



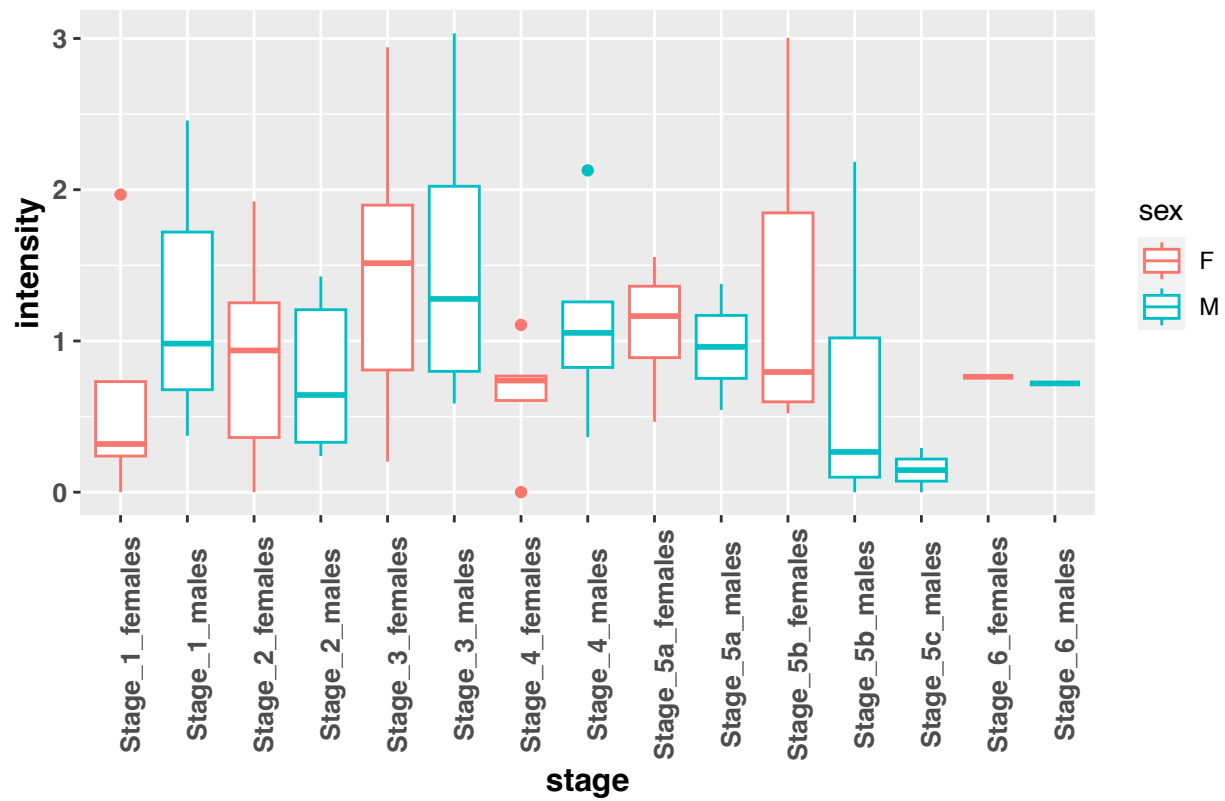
HTATSF1 bufVir1.35935.1 / FDR= 0.999980732933913

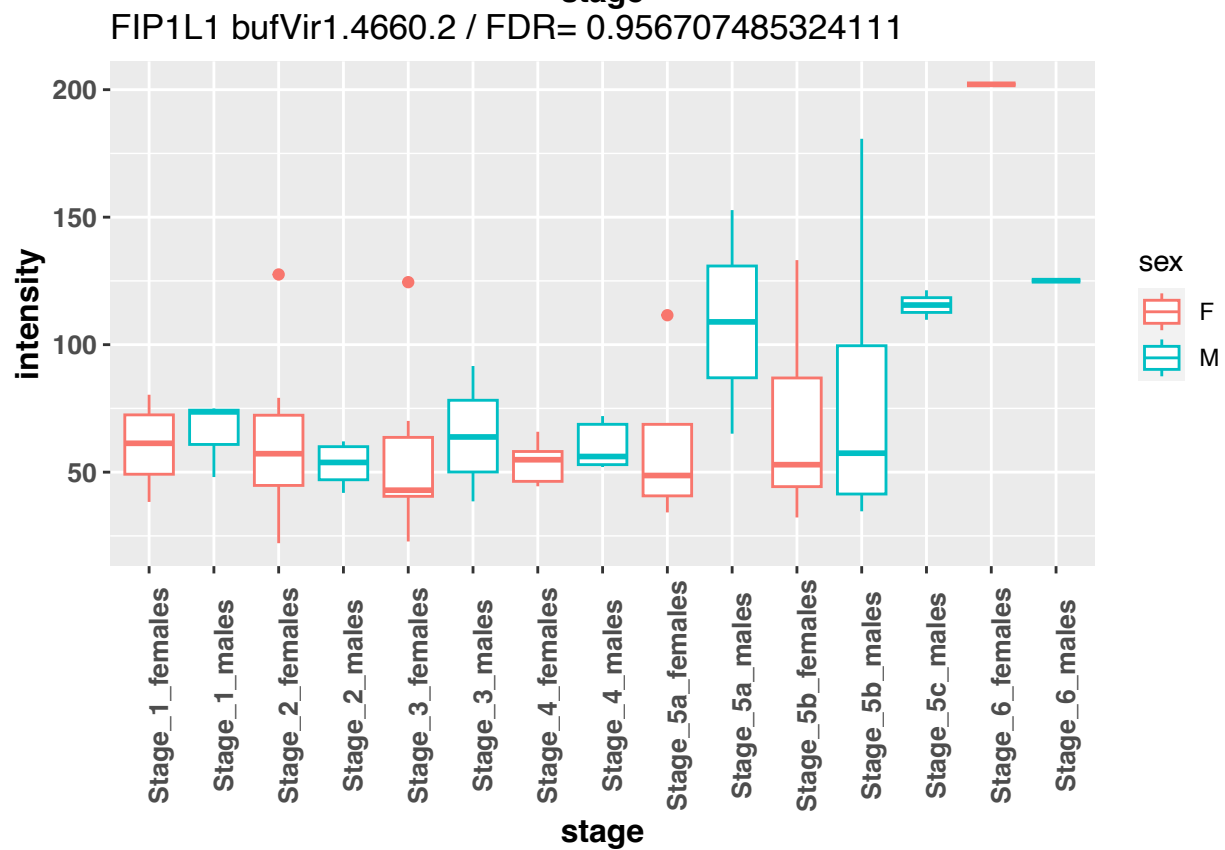
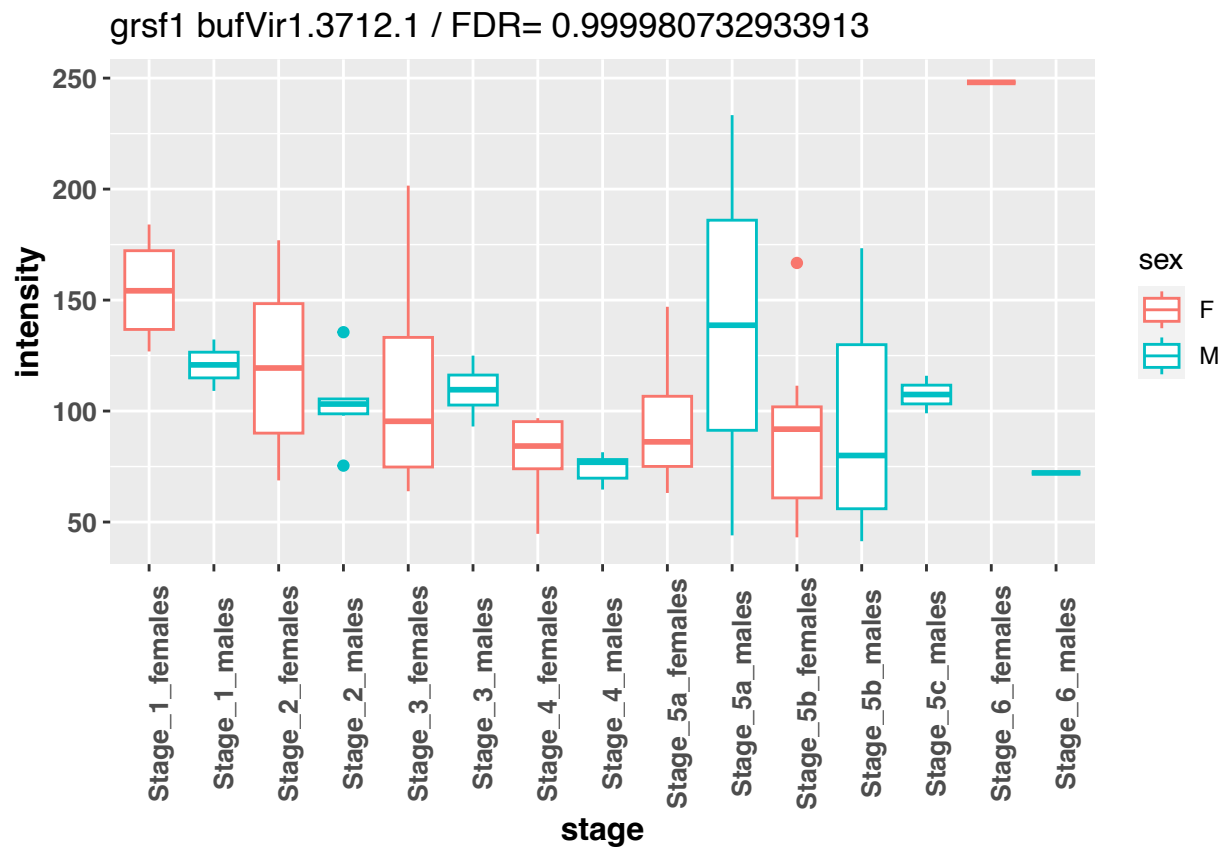


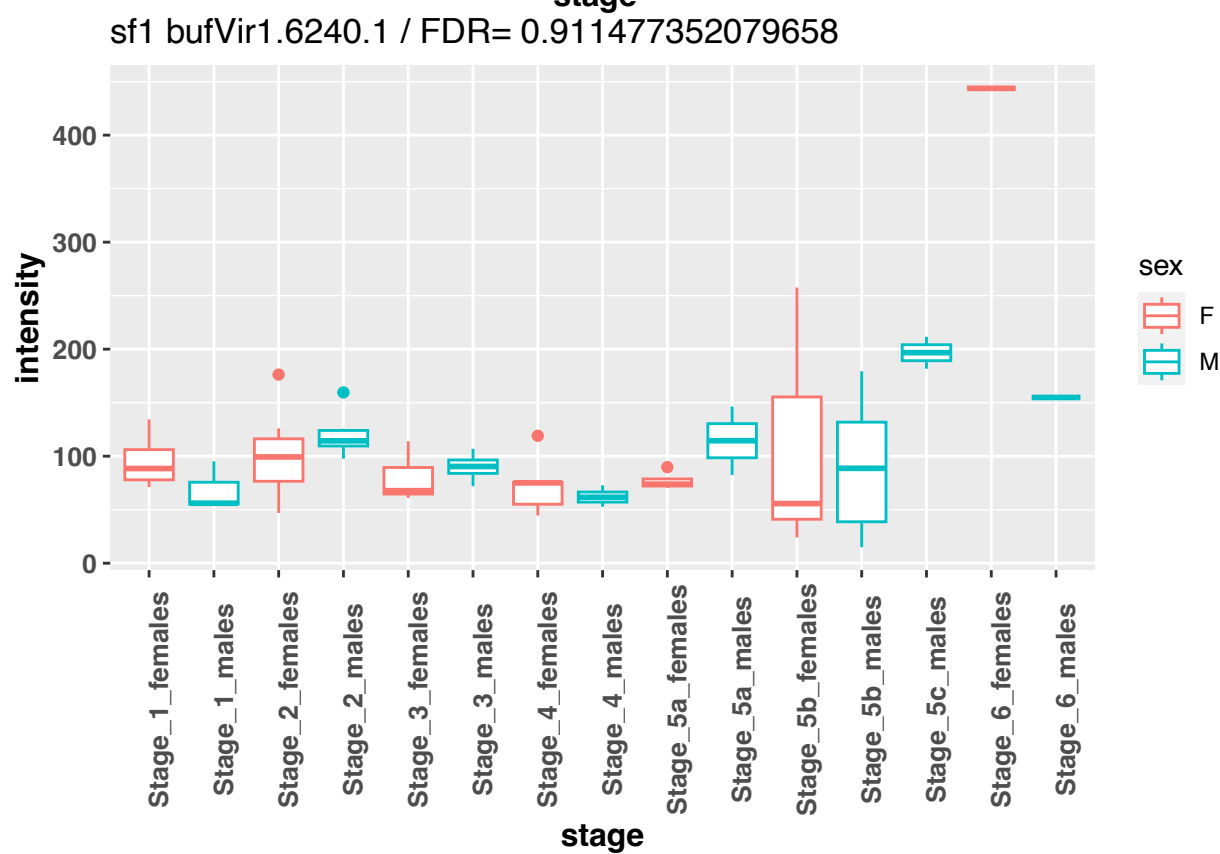
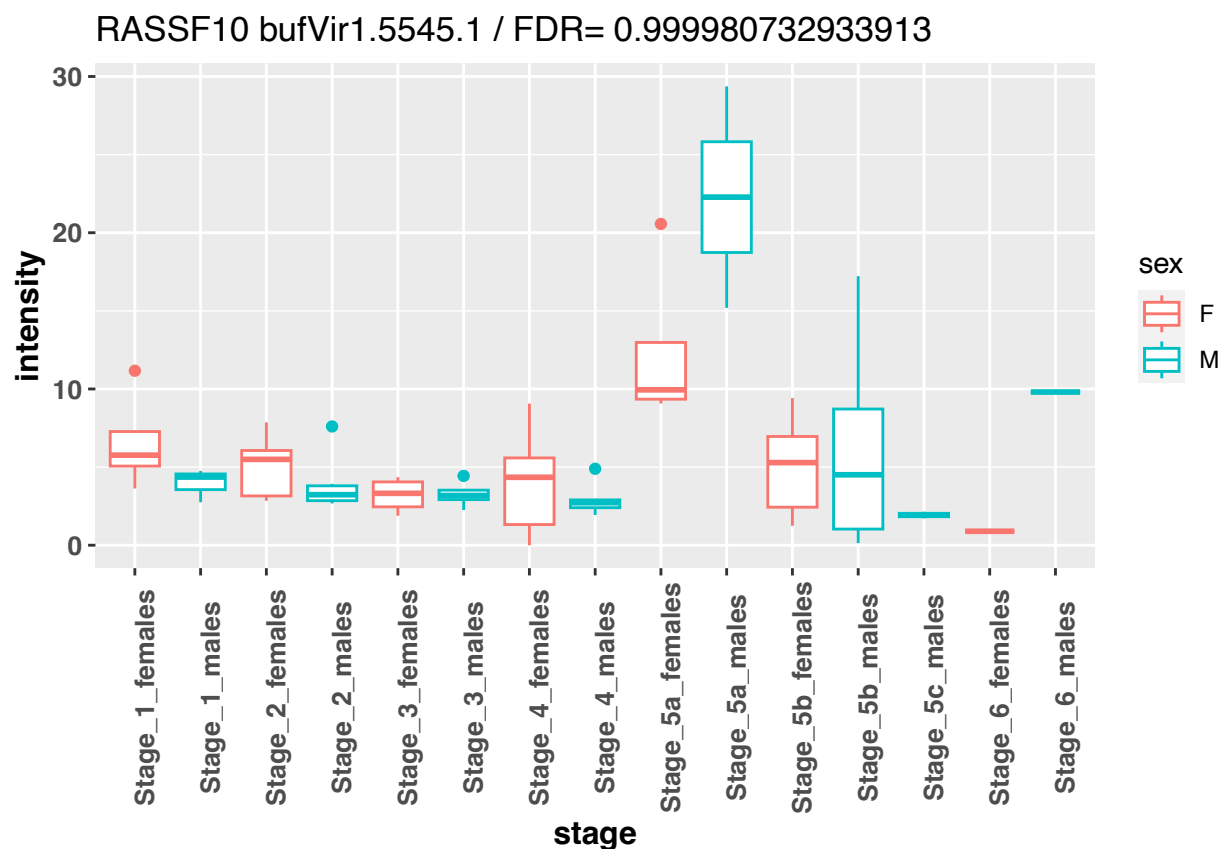
fip1l1 bufVir1.36188.1 / FDR= 0.622465910787476



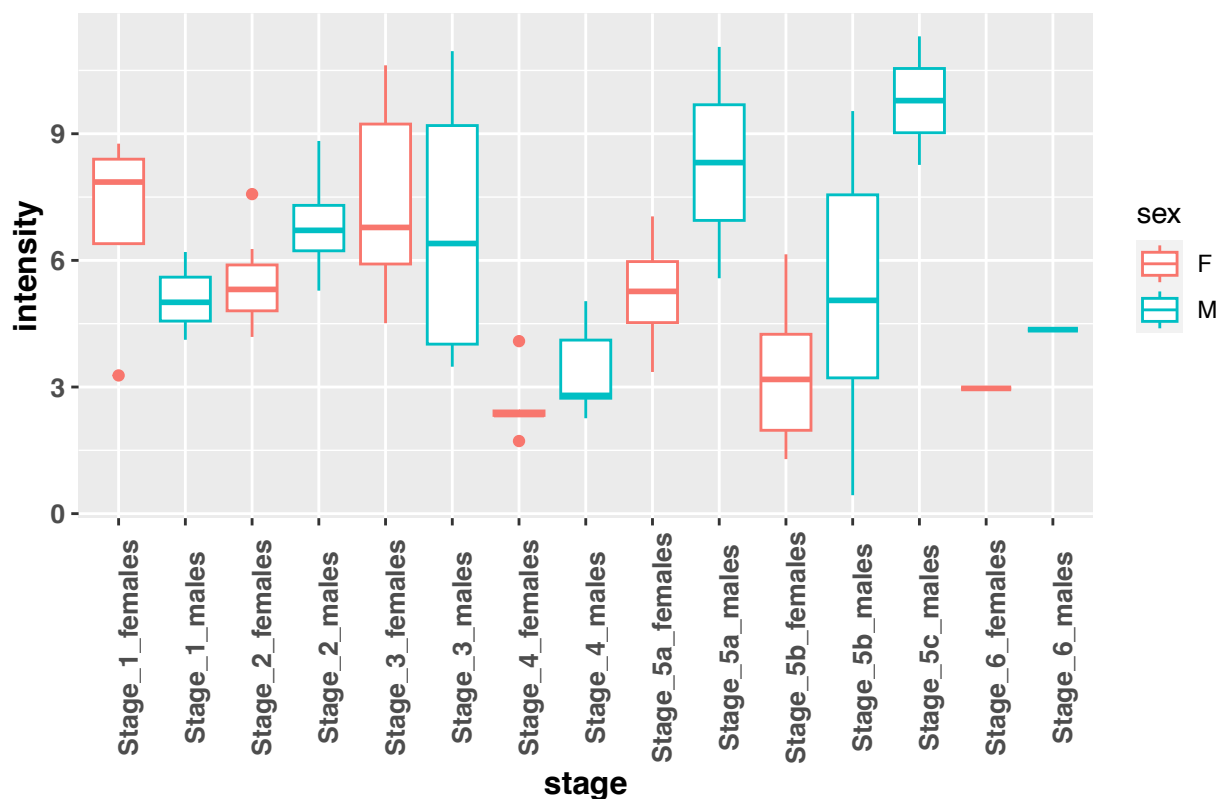
tnfsf15 bufVir1.36556.1 / FDR= 0.814574183505436



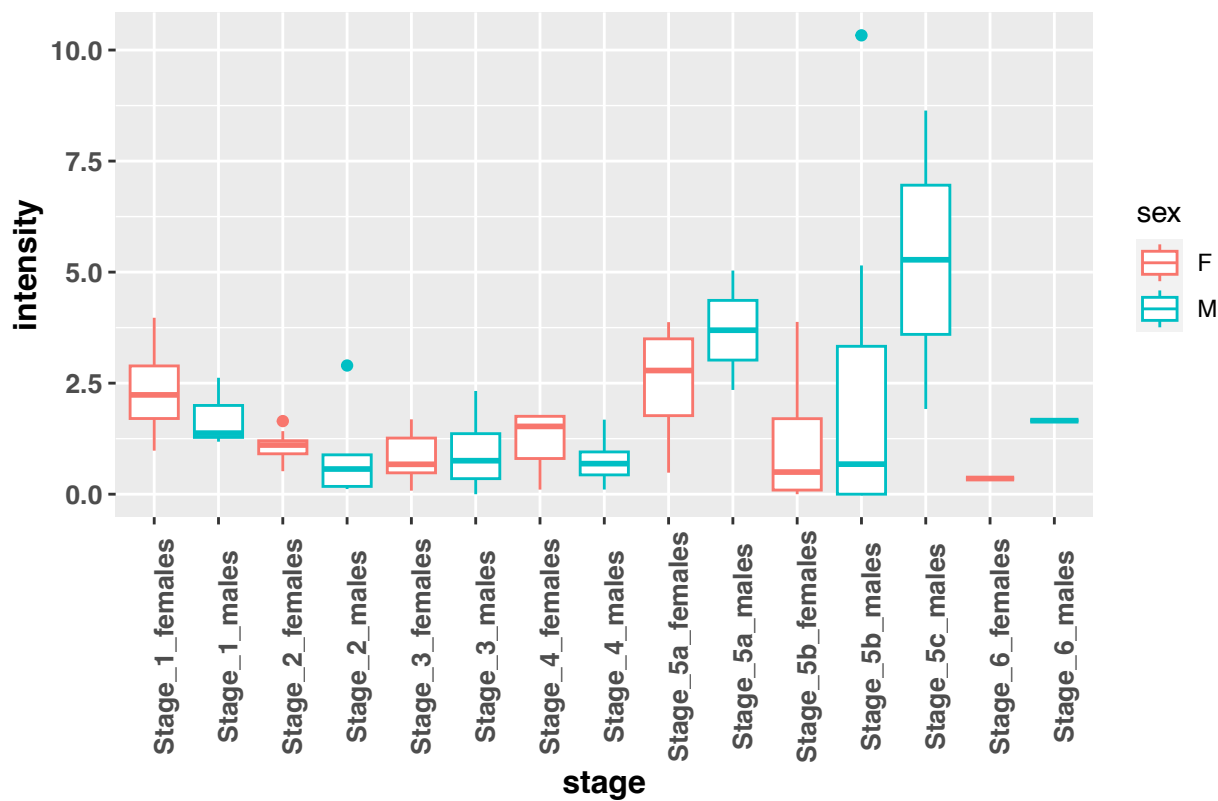


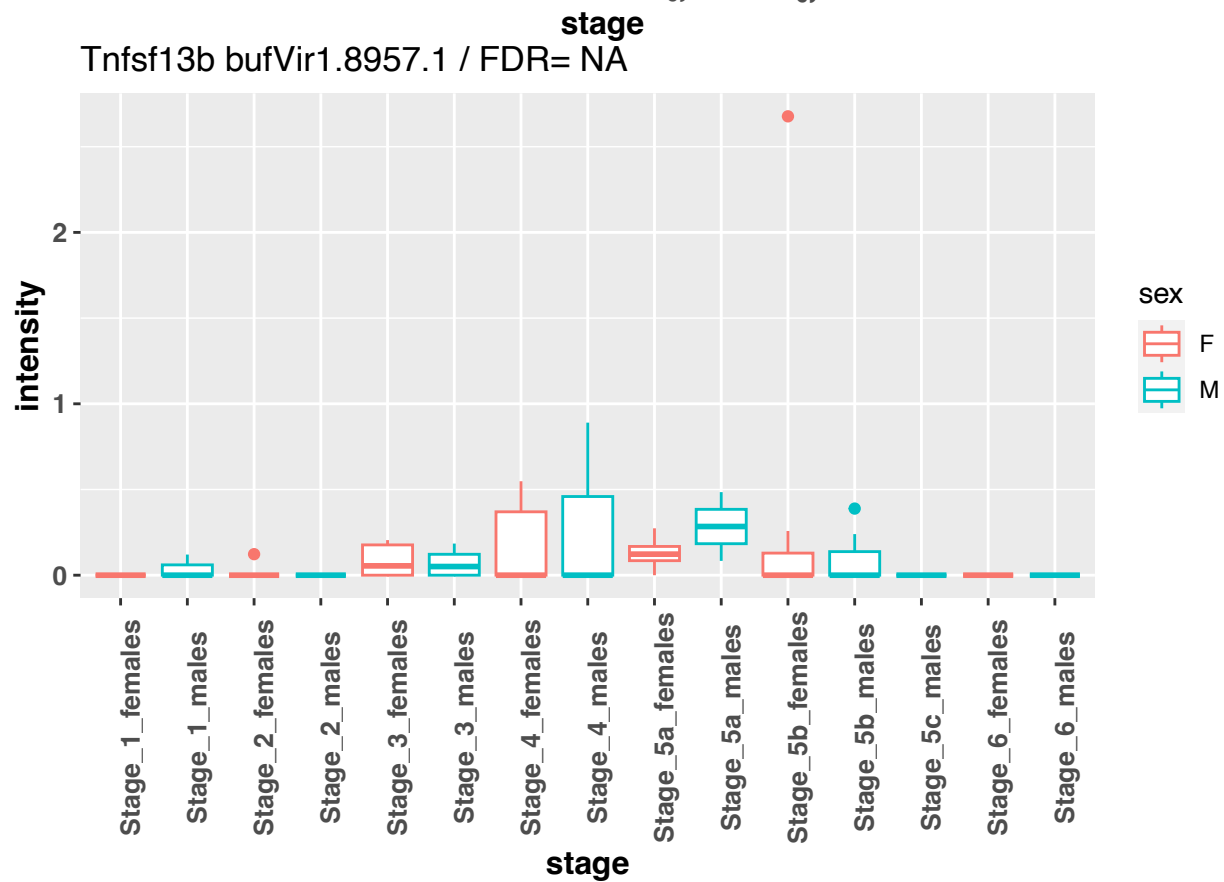
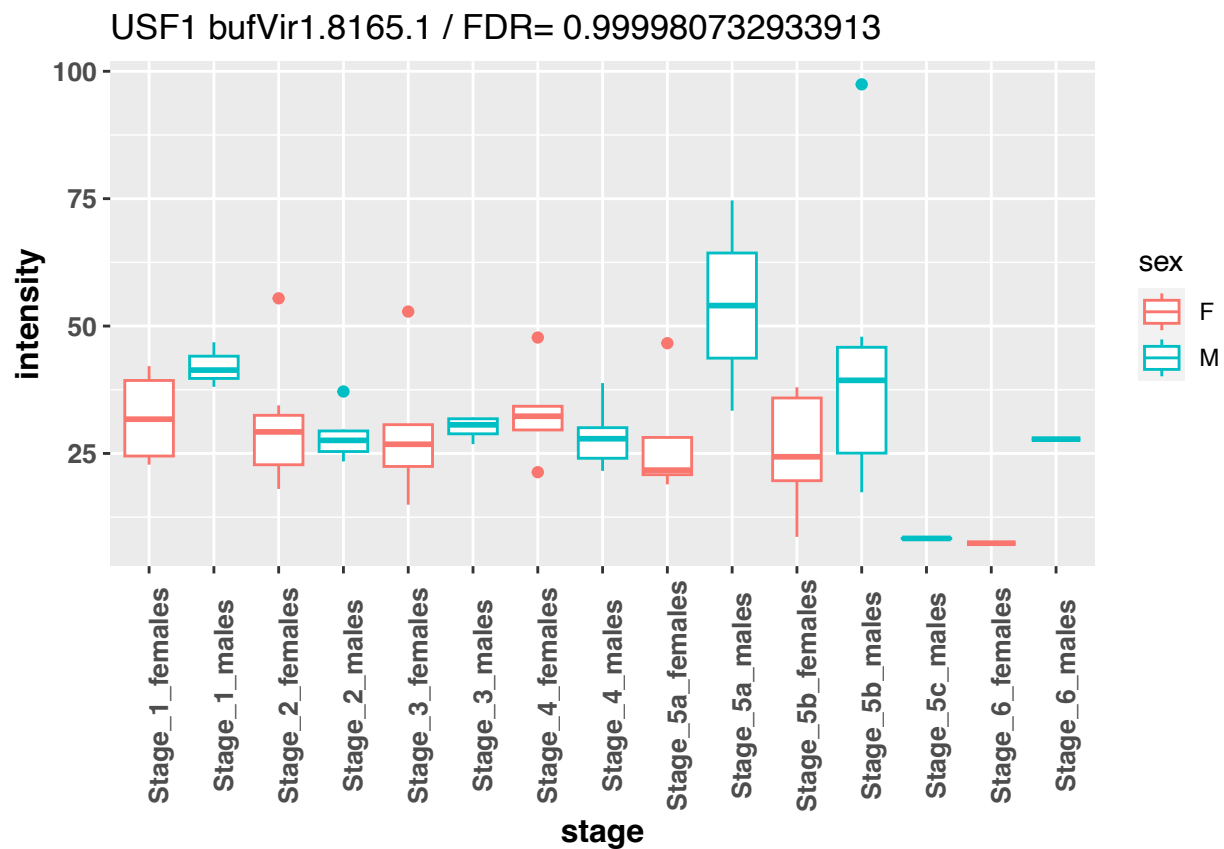


TRADD bufVir1.6349.1 / FDR= 0.999980732933913

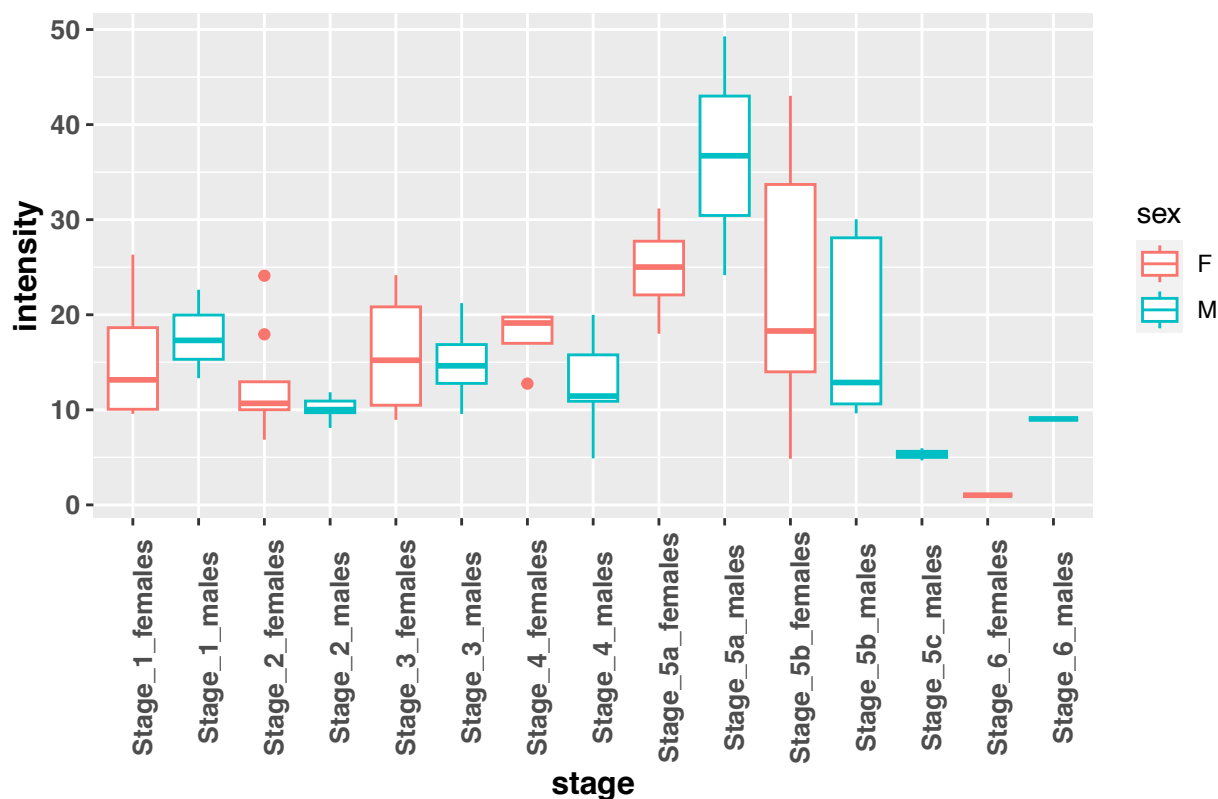


IGSF11 bufVir1.8163.1 / FDR= 0.999980732933913

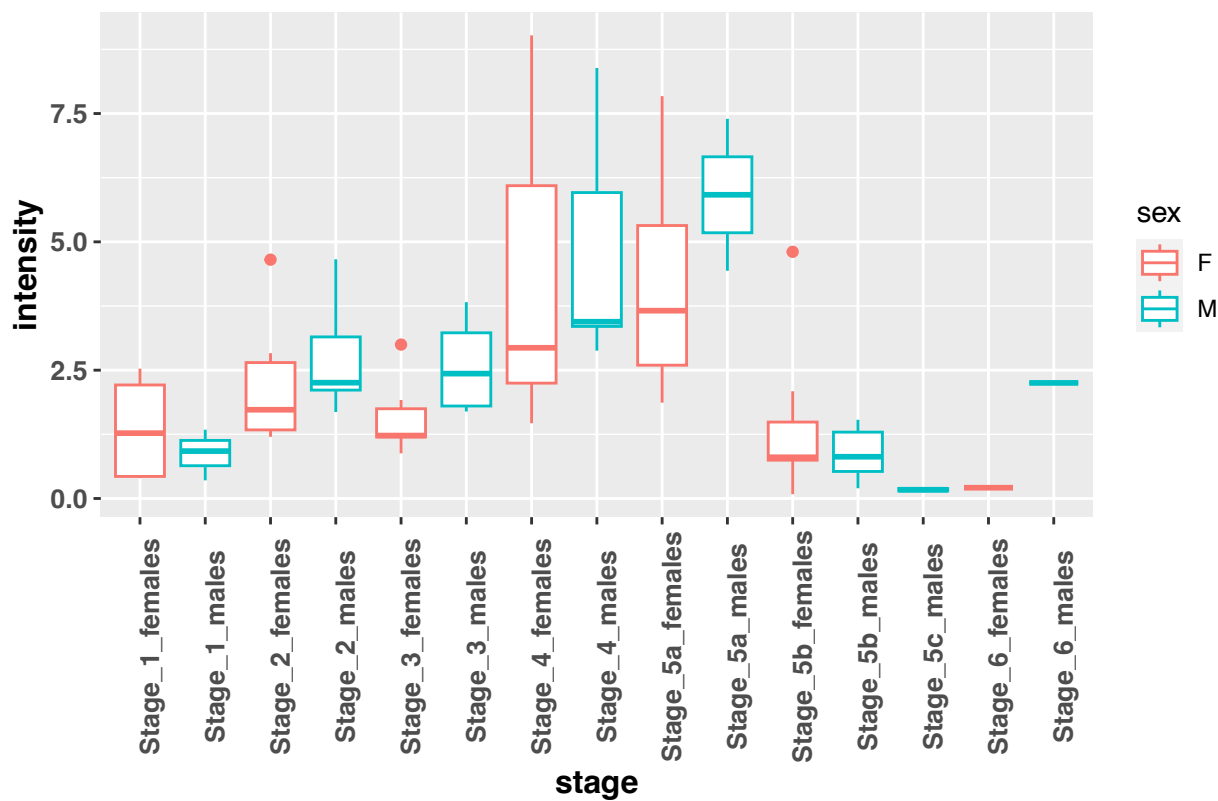




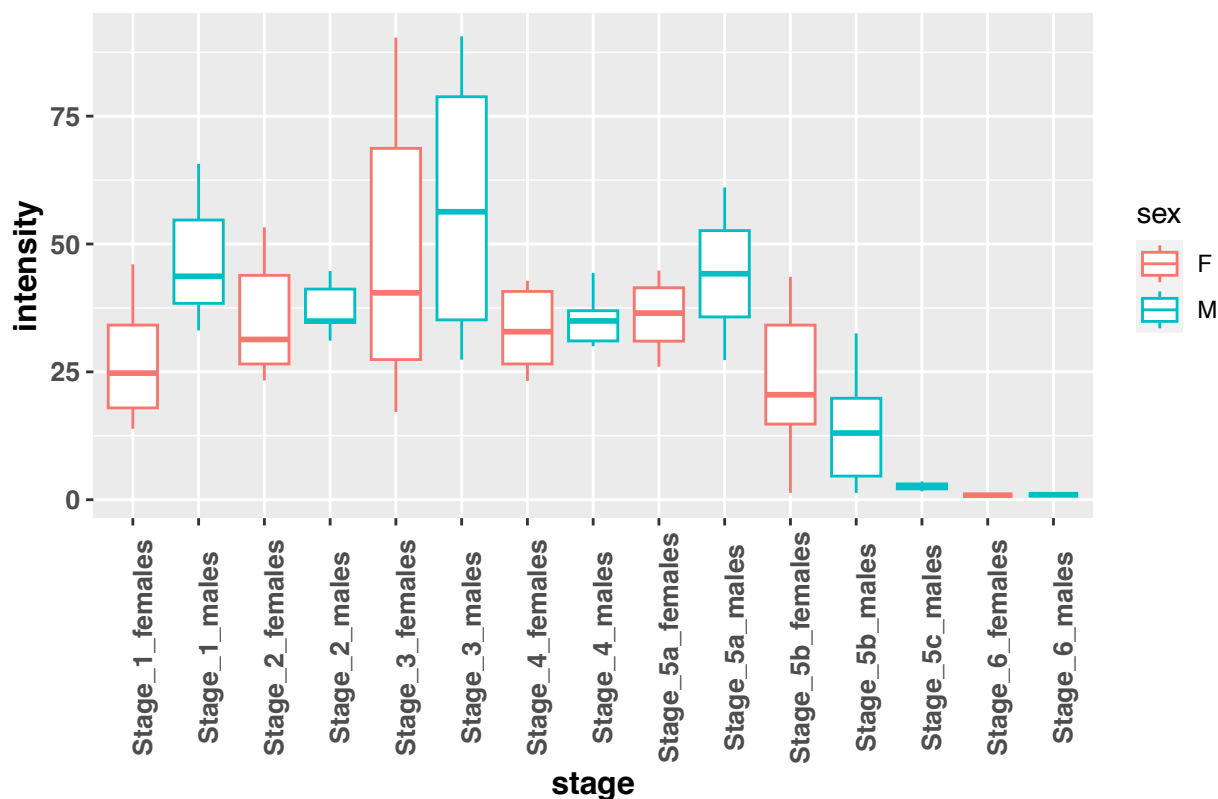
TNFSF12 bufVir1.8969.1 / FDR= 0.974745258995569



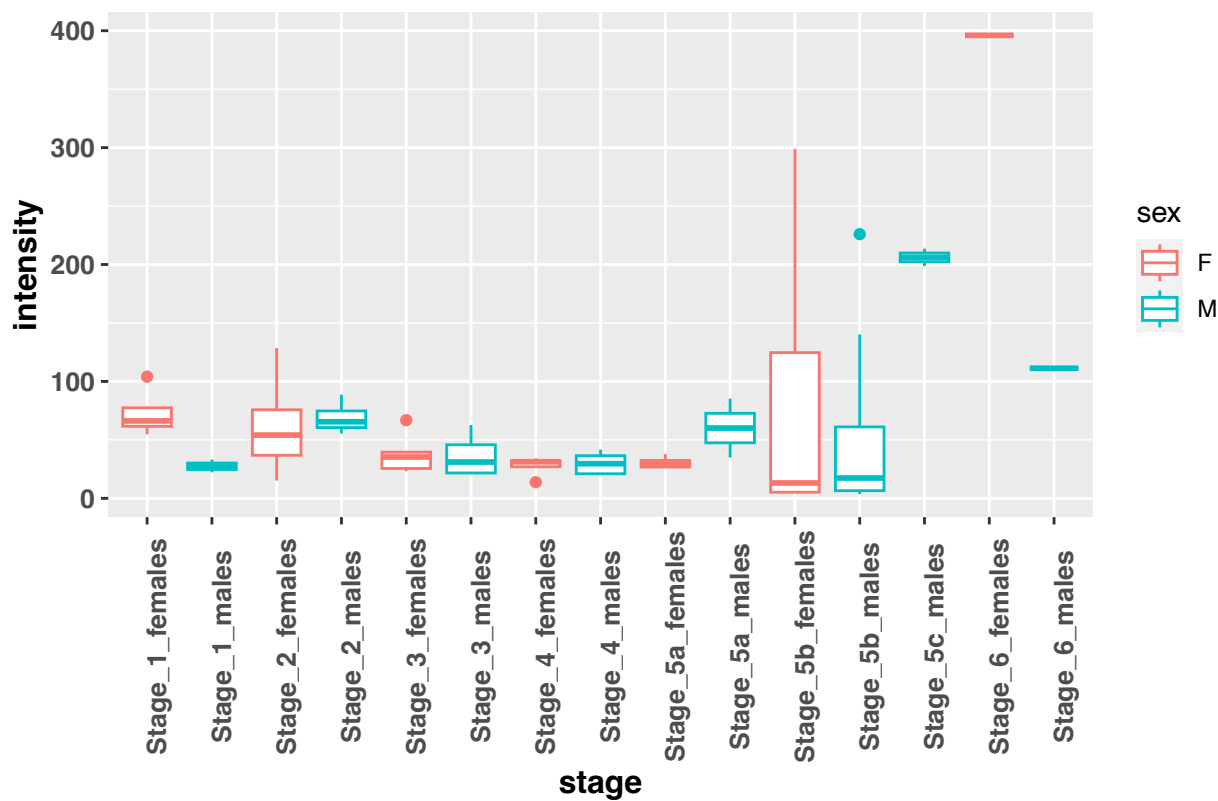
tnfsf14 bufVir1.9255.1 / FDR= 0.934719470377324



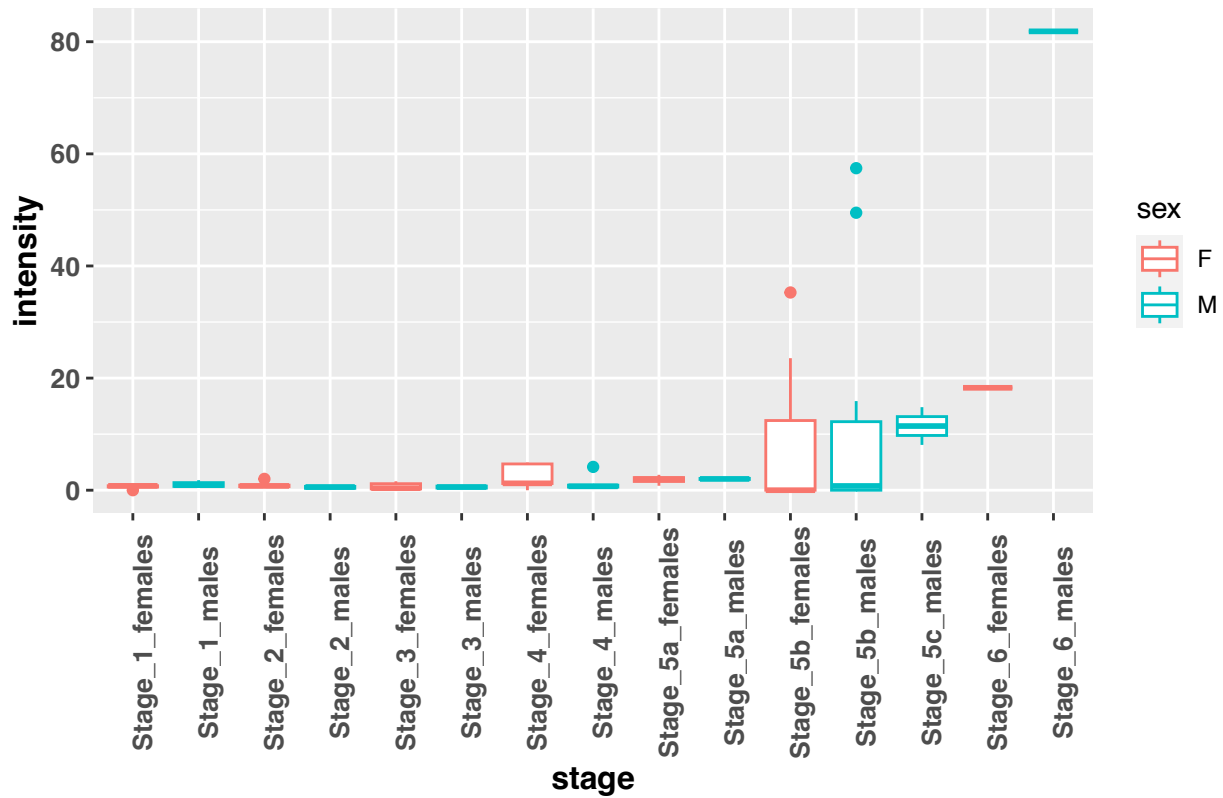
tnfrsf10b bufVir1.9351.1 / FDR= 0.999980732933913



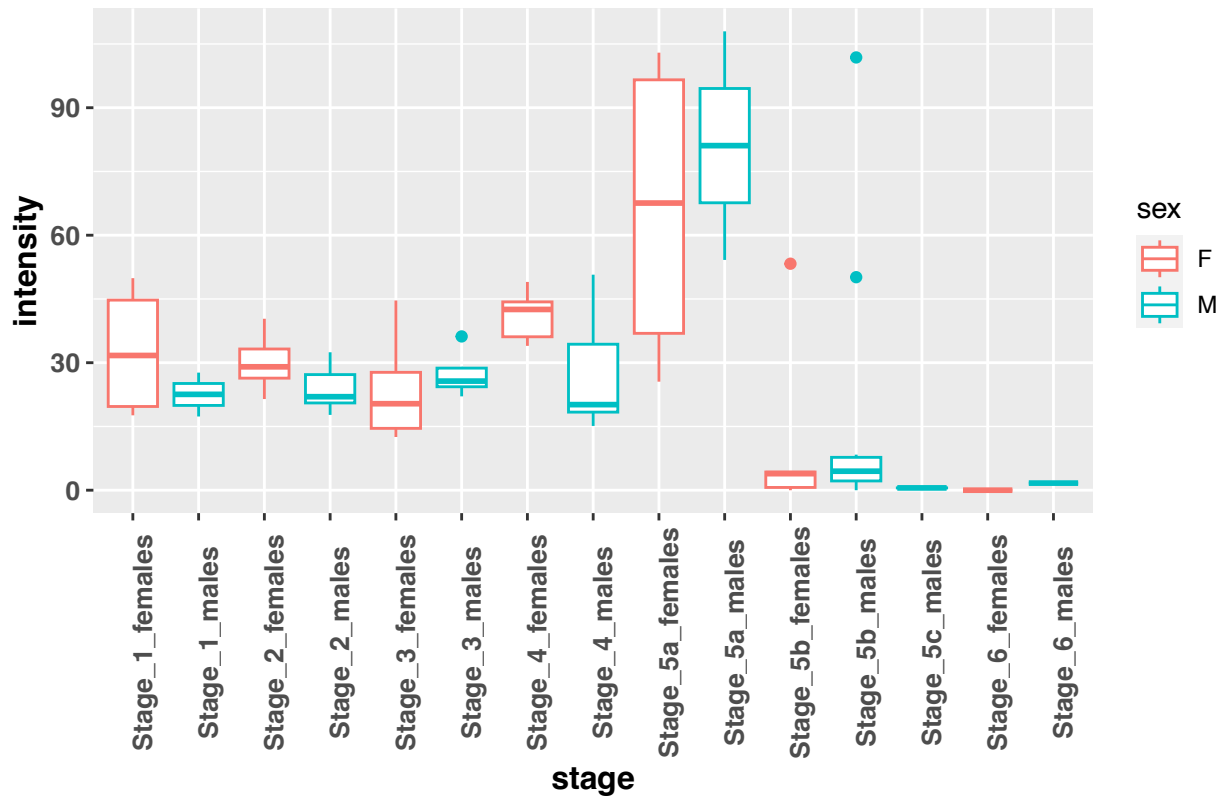
asf1b bufVir1.9445.1 / FDR= 0.831934137338423



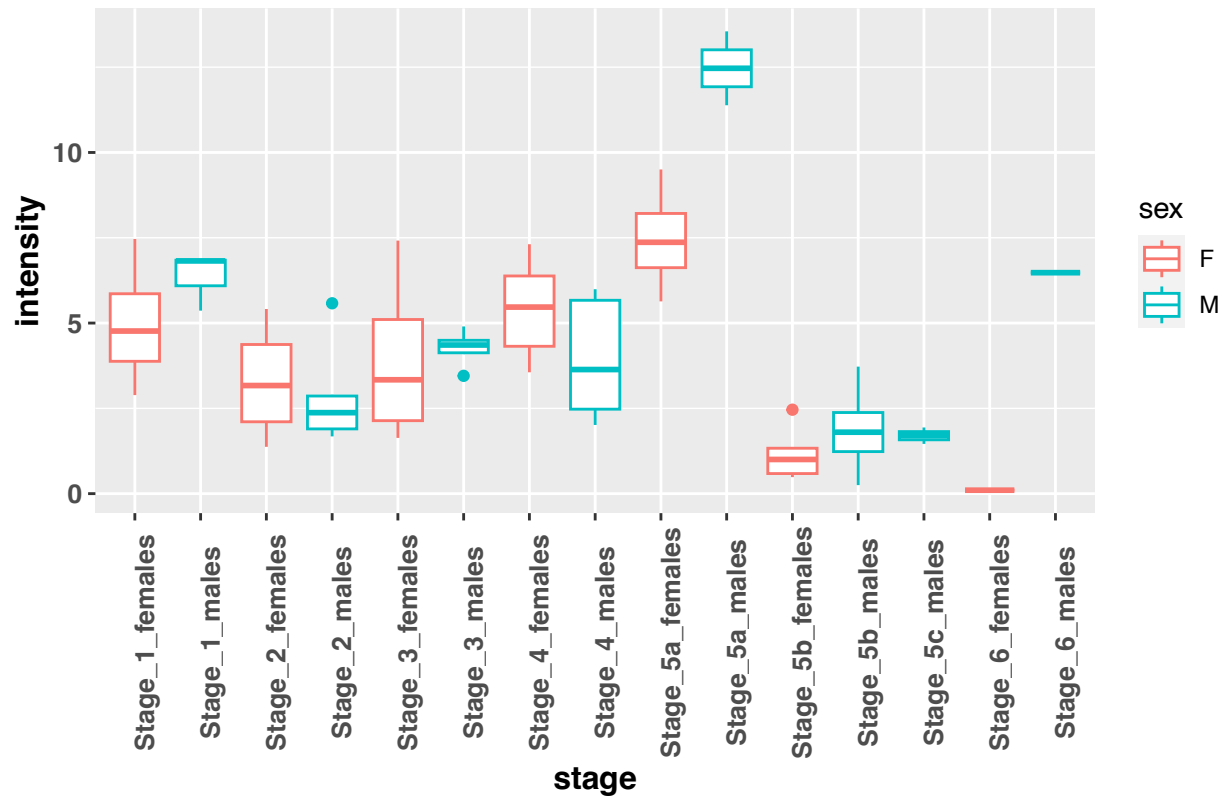
nr5a1 bufVir1.36605.1 / FDR= 0.287853441427506



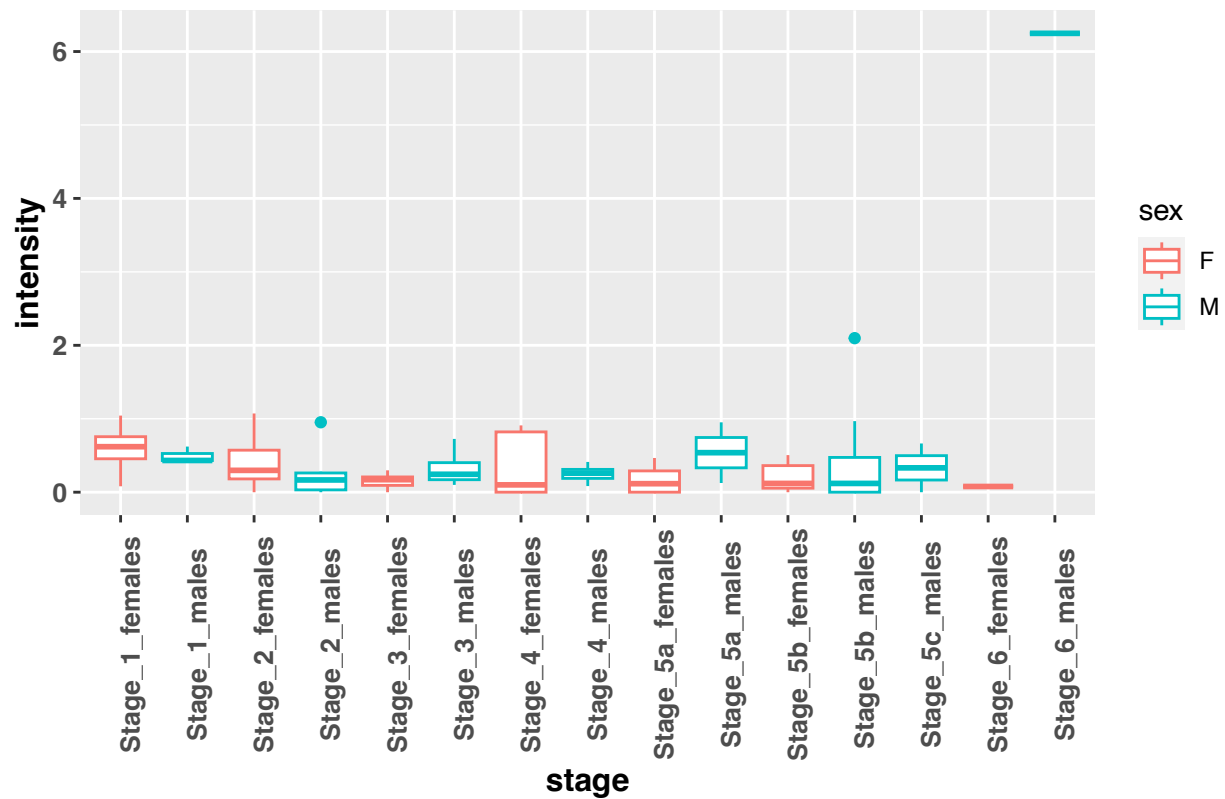
SOX10 bufVir1.8436.1 / FDR= 0.999980732933913



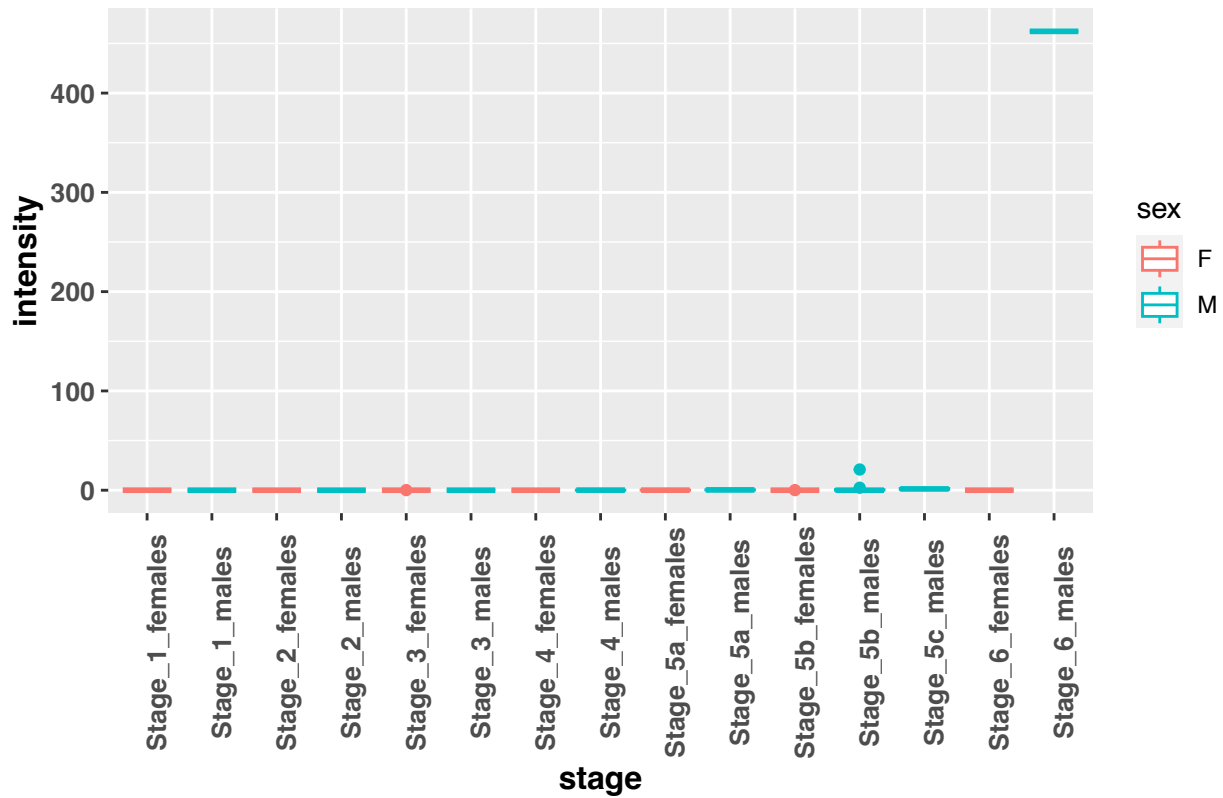
sox17a bufVir1.25154.1 / FDR= 0.907967094460556



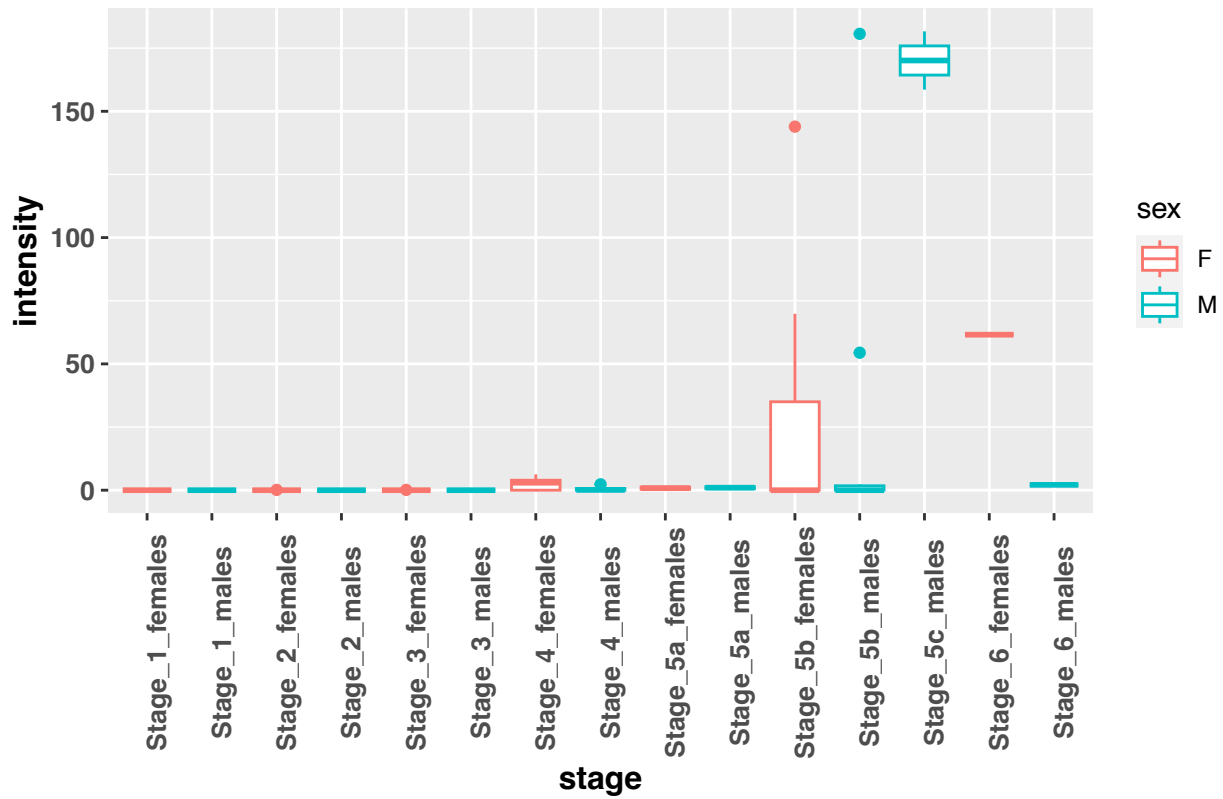
sox17a bufVir1.25155.1 / FDR= 0.530787821700476



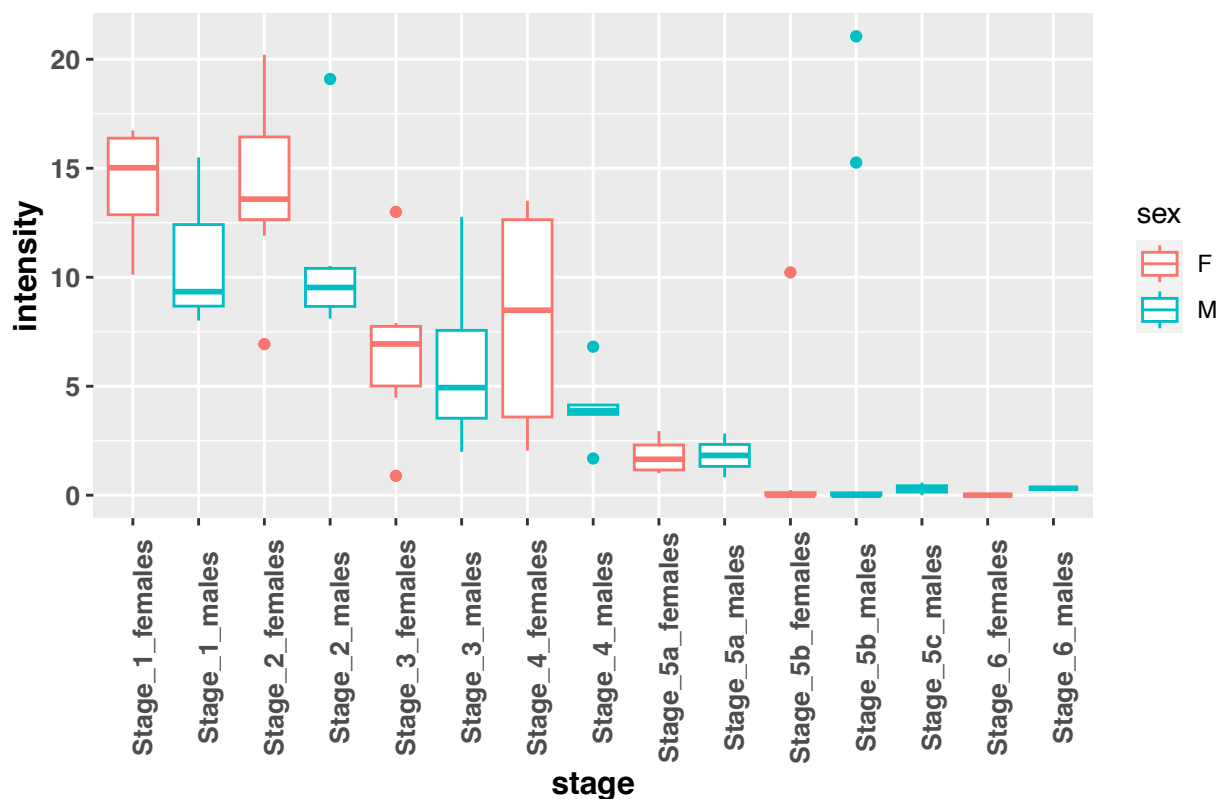
Sox30 bufVir1.12521.1 / FDR= 0.0251154392826941



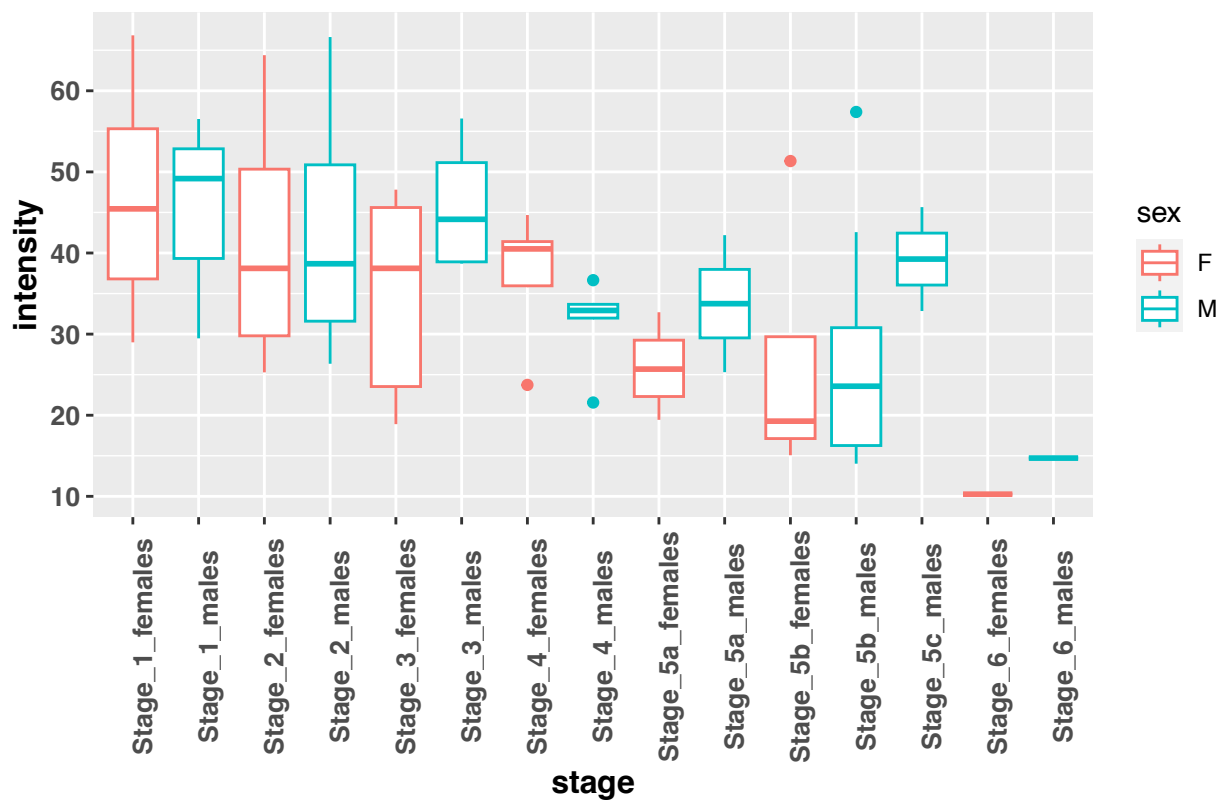
SOX30 bufVir1.3569.1 / FDR= 0.754801944156059



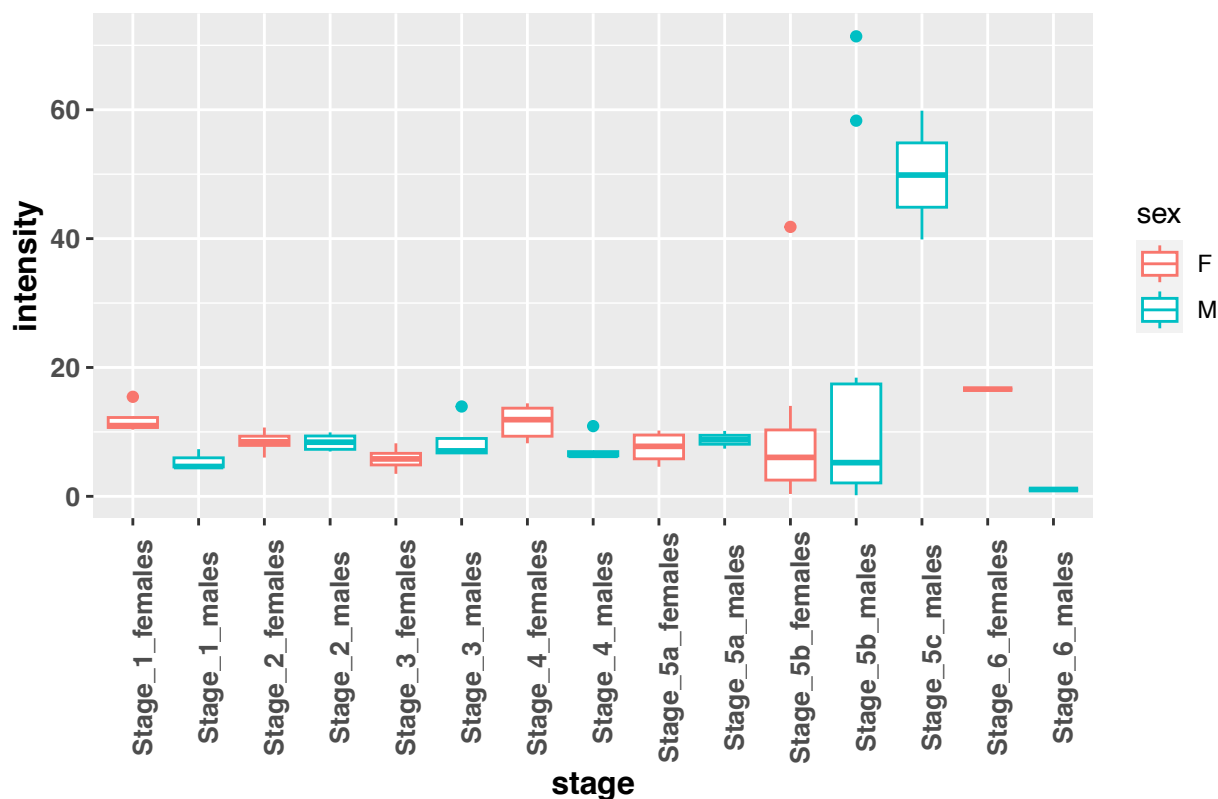
SOX30 bufVir1.35951.1 / FDR= 0.999980732933913



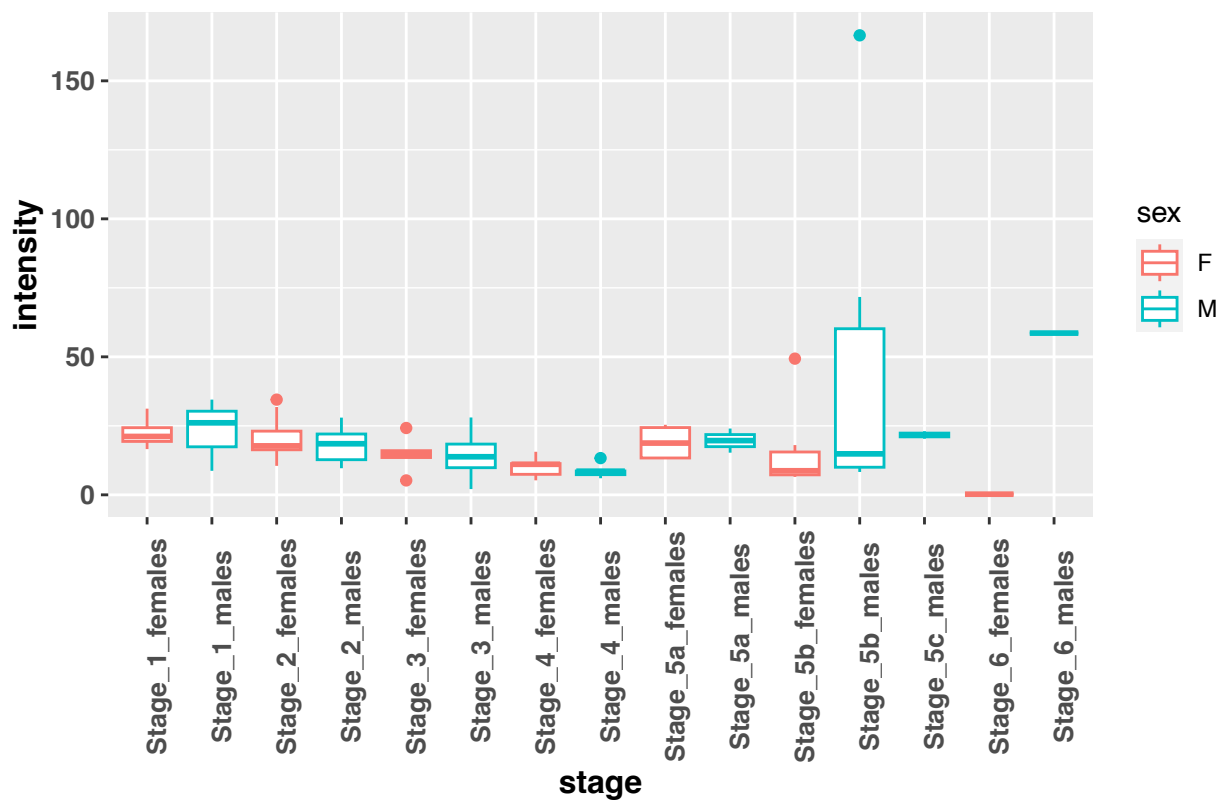
SOX5 bufVir1.12913.1 / FDR= 0.999980732933913

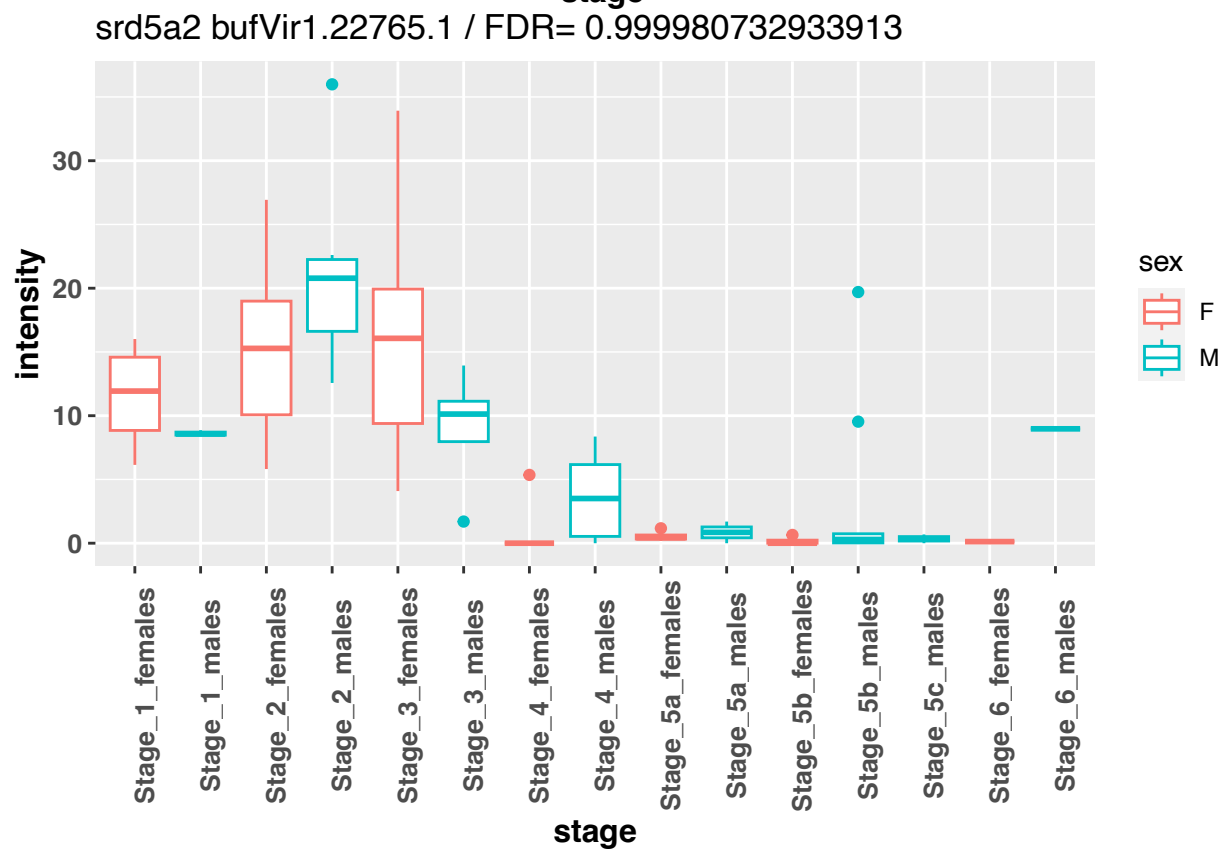
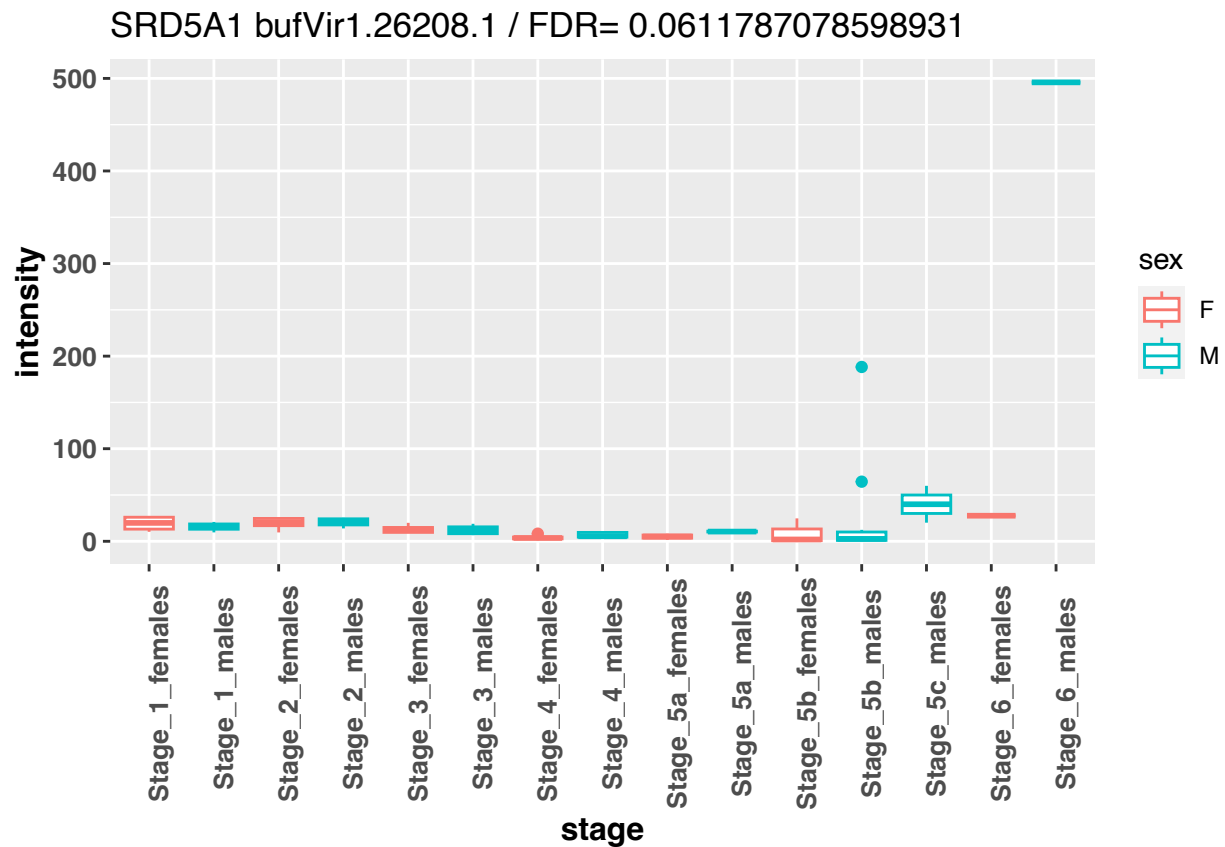


SOX8 bufVir1.31622.1 / FDR= 0.999980732933913

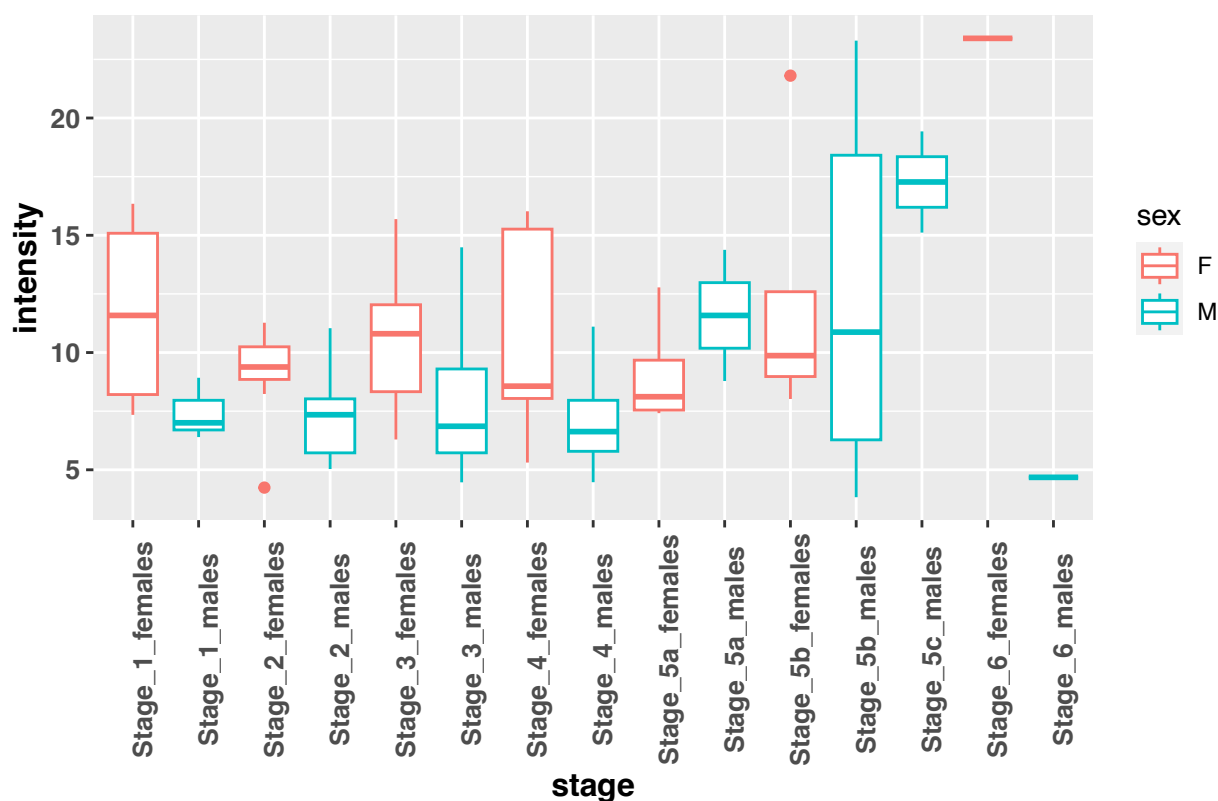


SOX9 bufVir1.30653.1 / FDR= 0.874152078905529

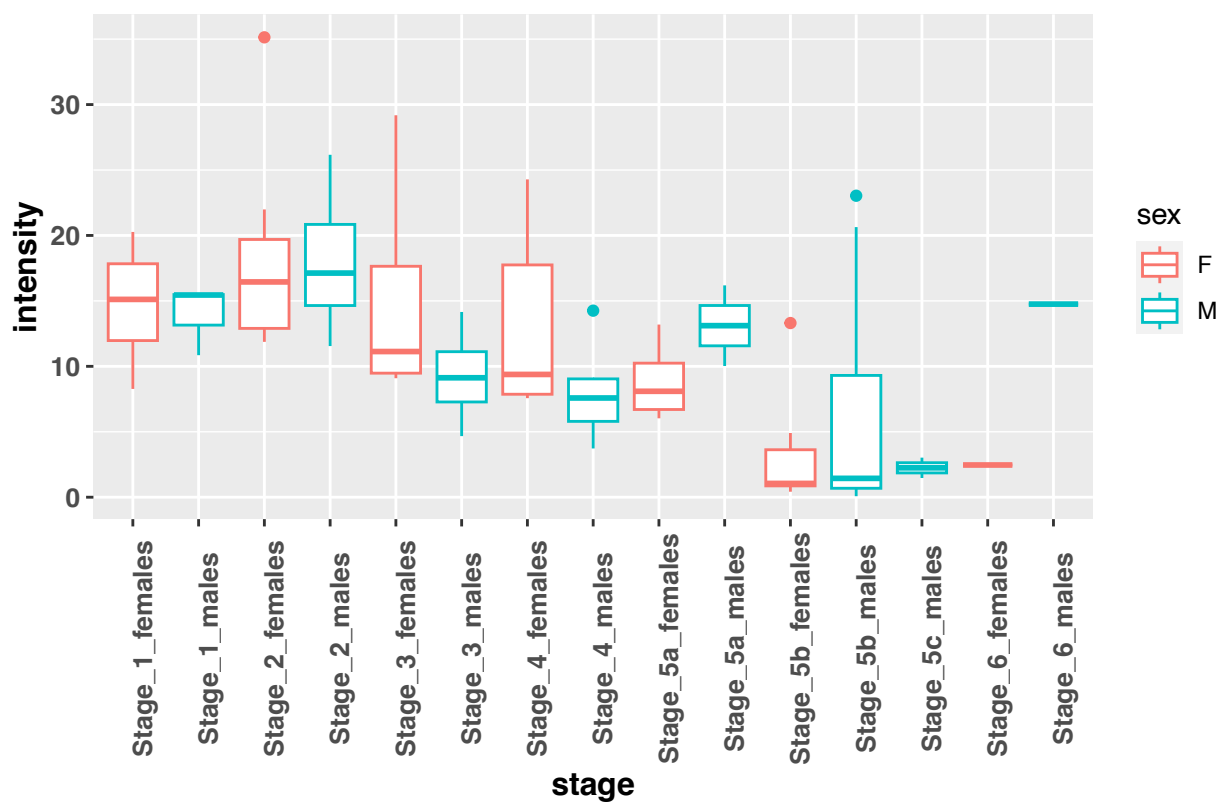




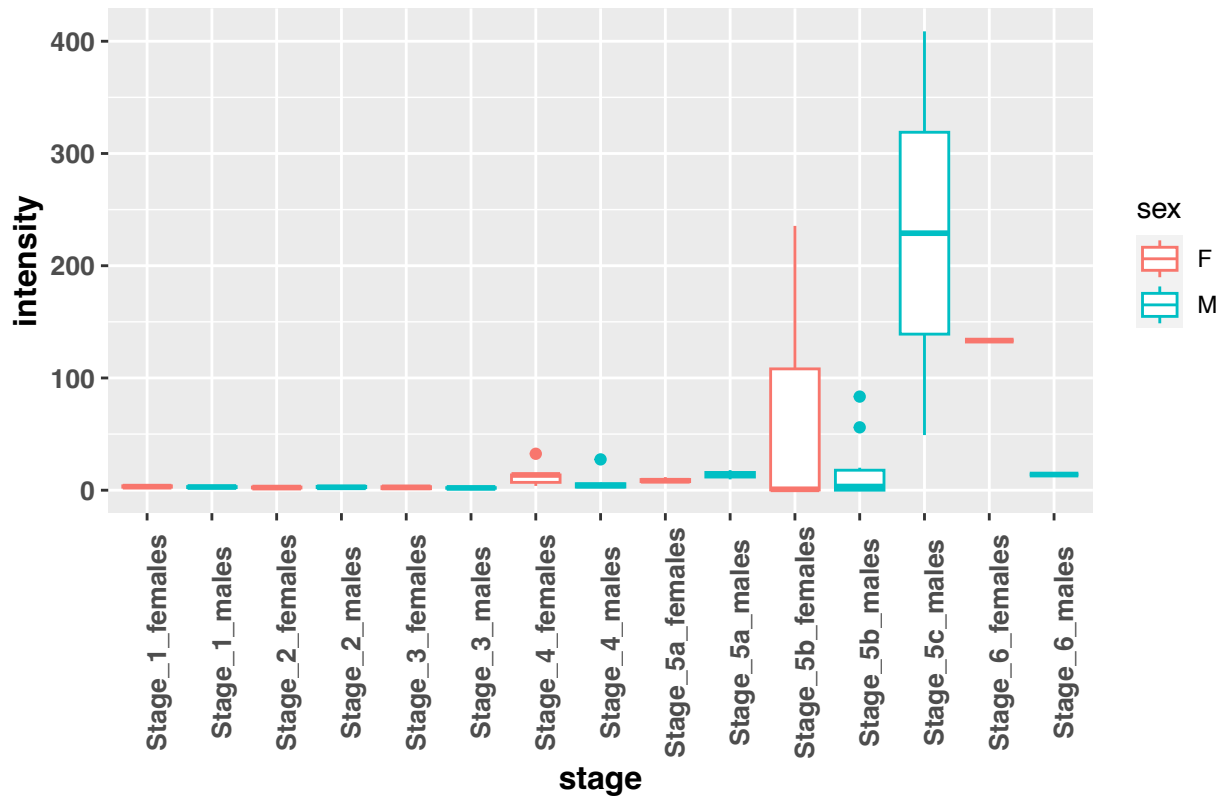
SRD5A3 bufVir1.4644.1 / FDR= 0.714303263081231



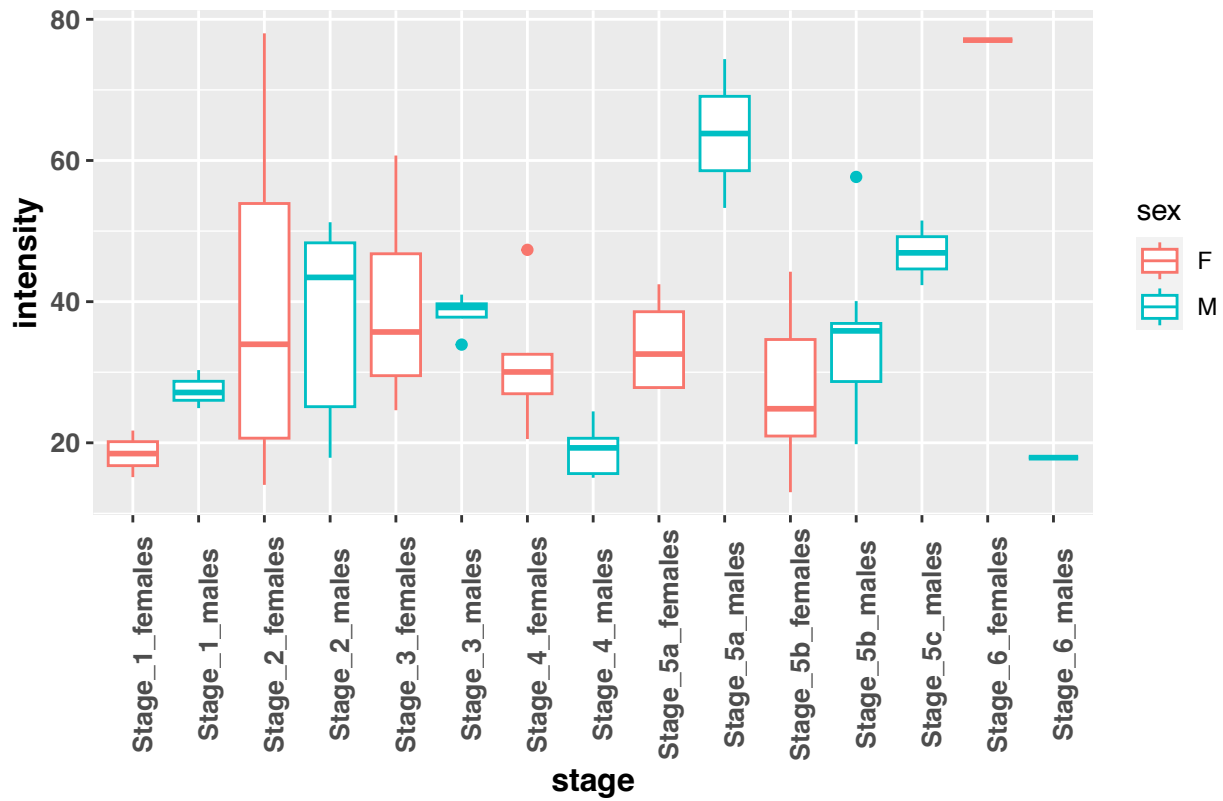
STARD5 bufVir1.10030.1 / FDR= 0.937651416920045



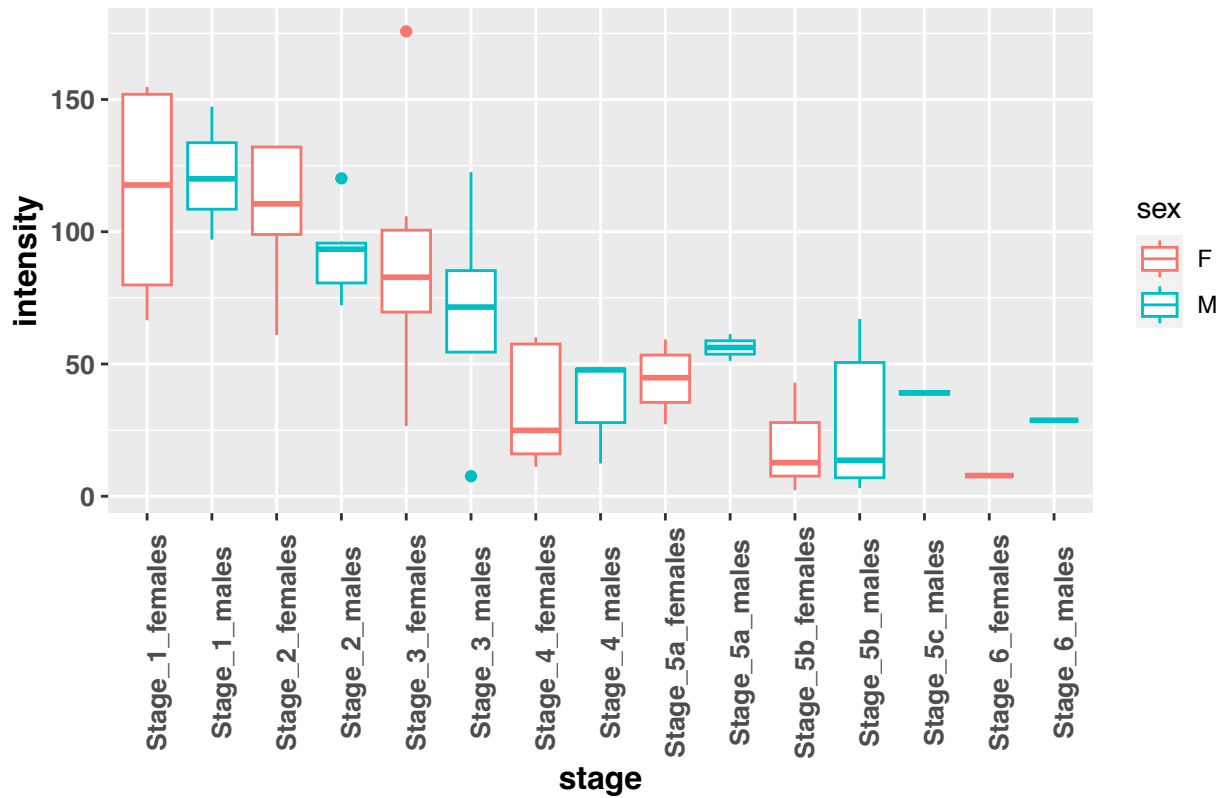
stard15 bufVir1.12336.1 / FDR= 0.915277644865432



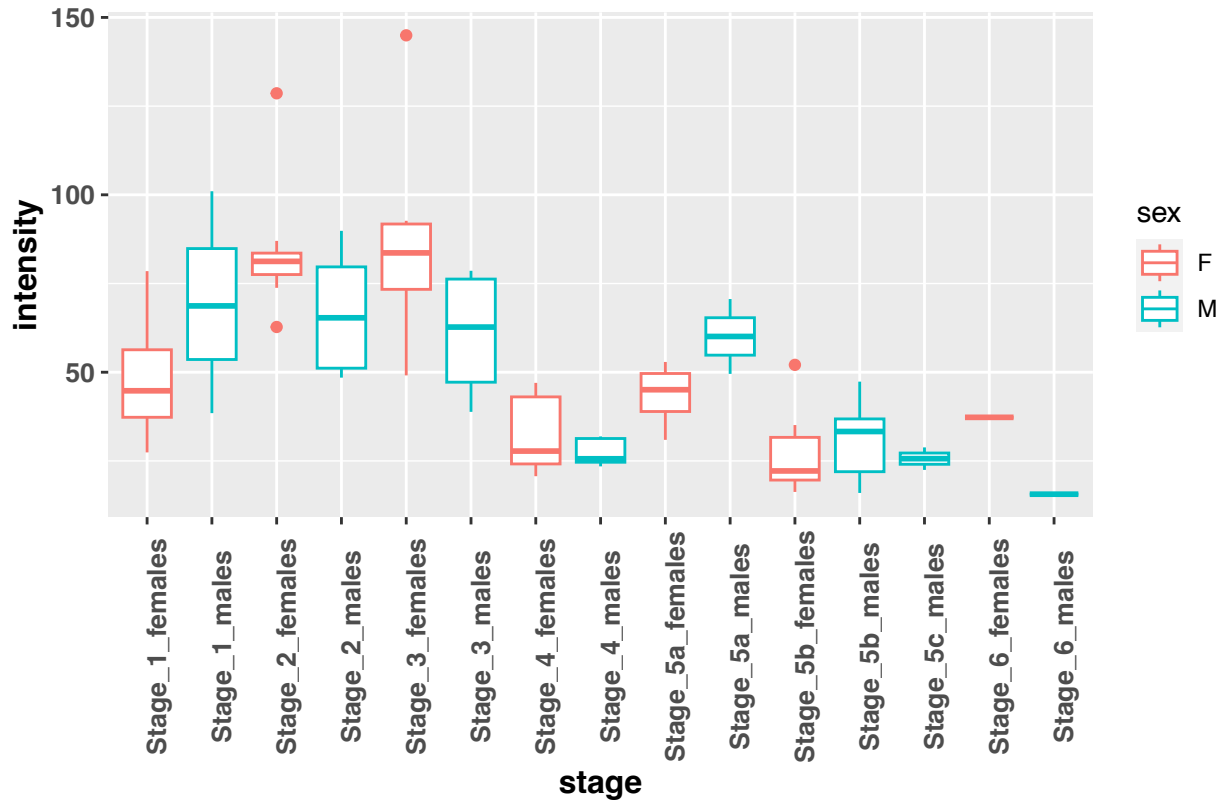
STARD13 bufVir1.18968.1 / FDR= 0.999980732933913



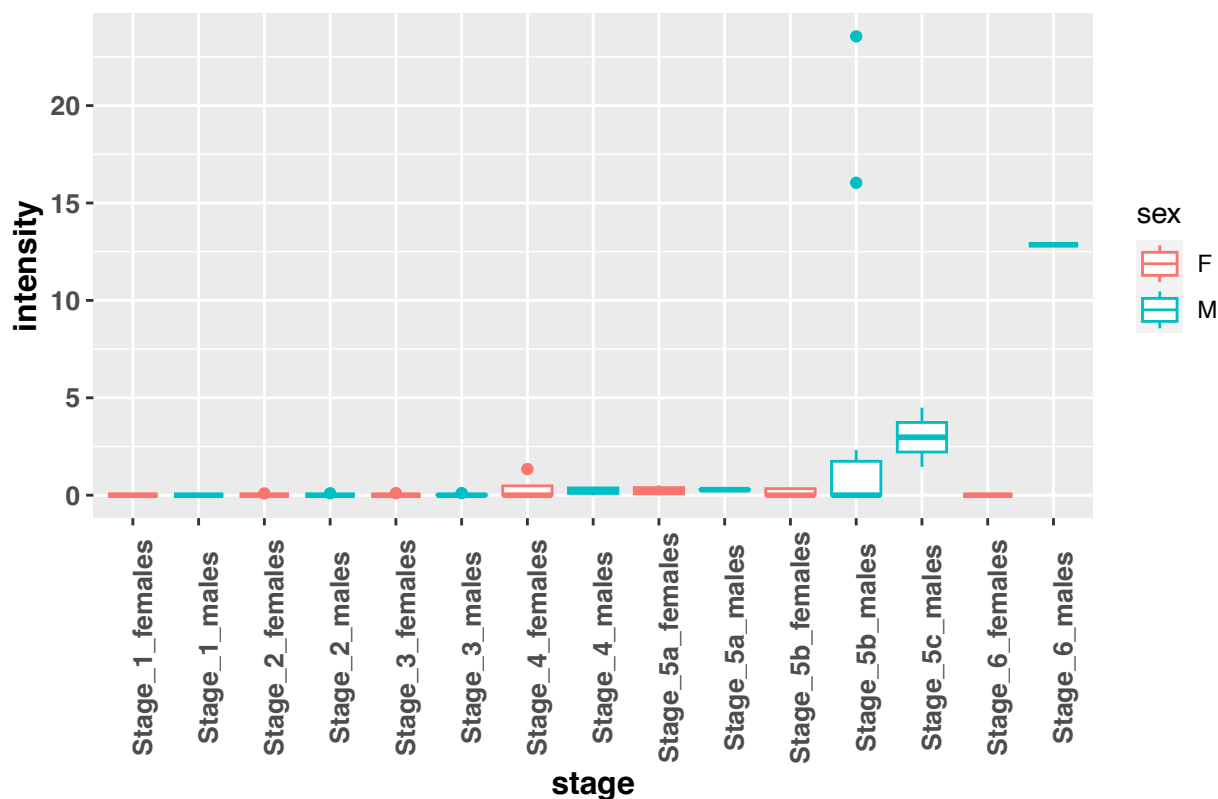
stard10 bufVir1.19482.1 / FDR= 0.999980732933913



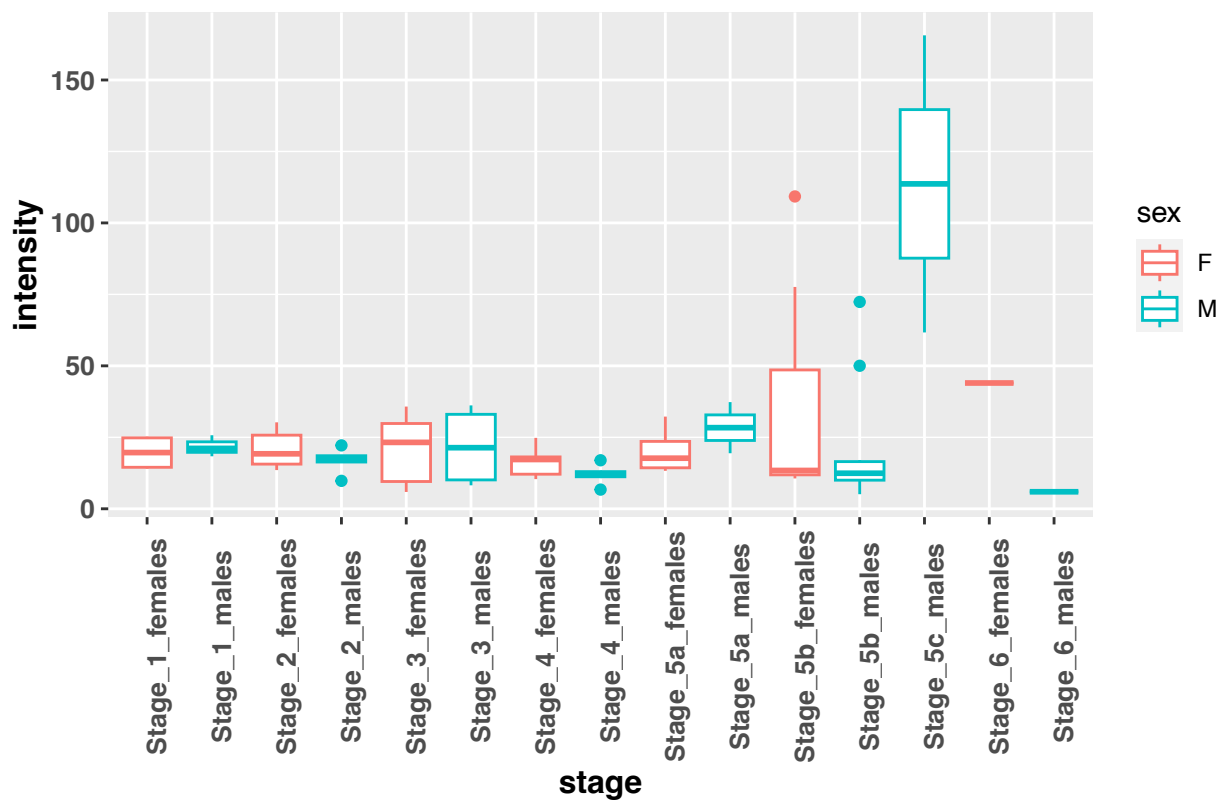
stard3nl bufVir1.25712.1 / FDR= 0.999980732933913

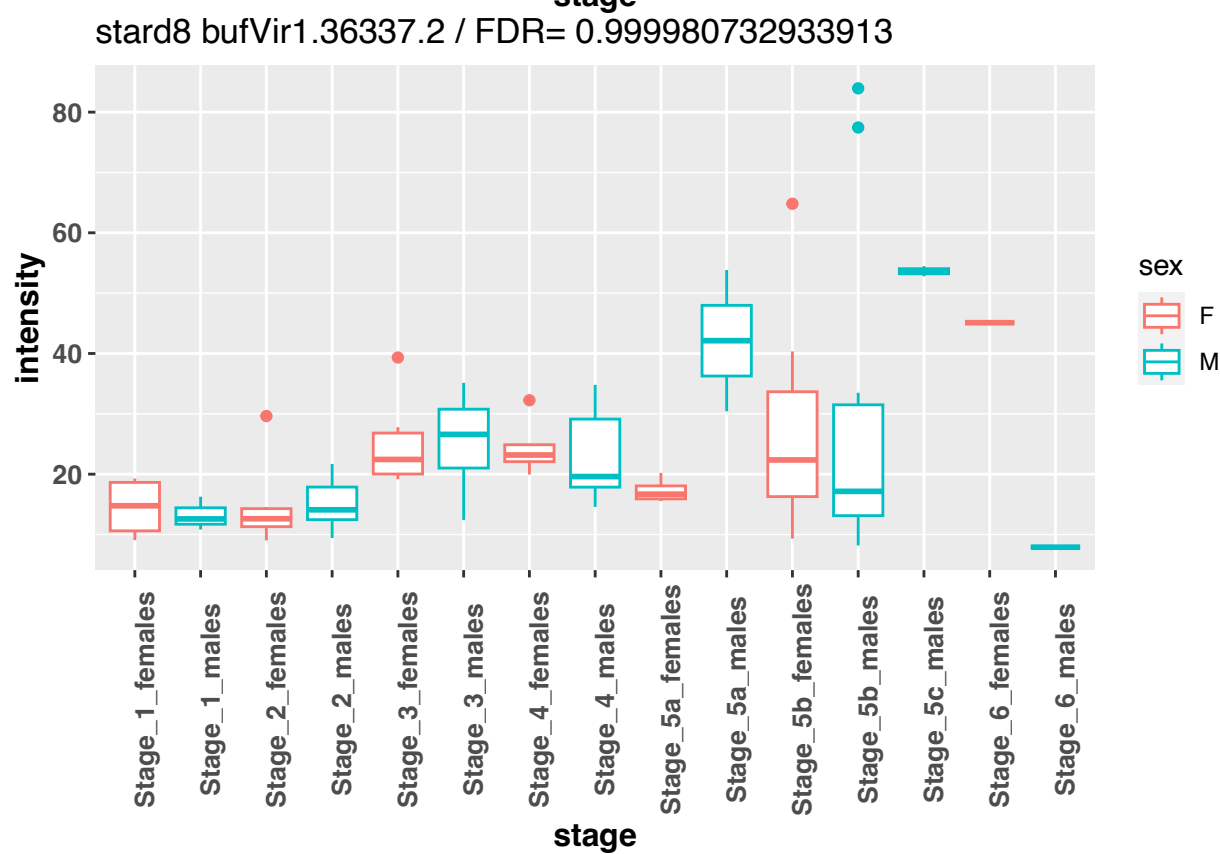
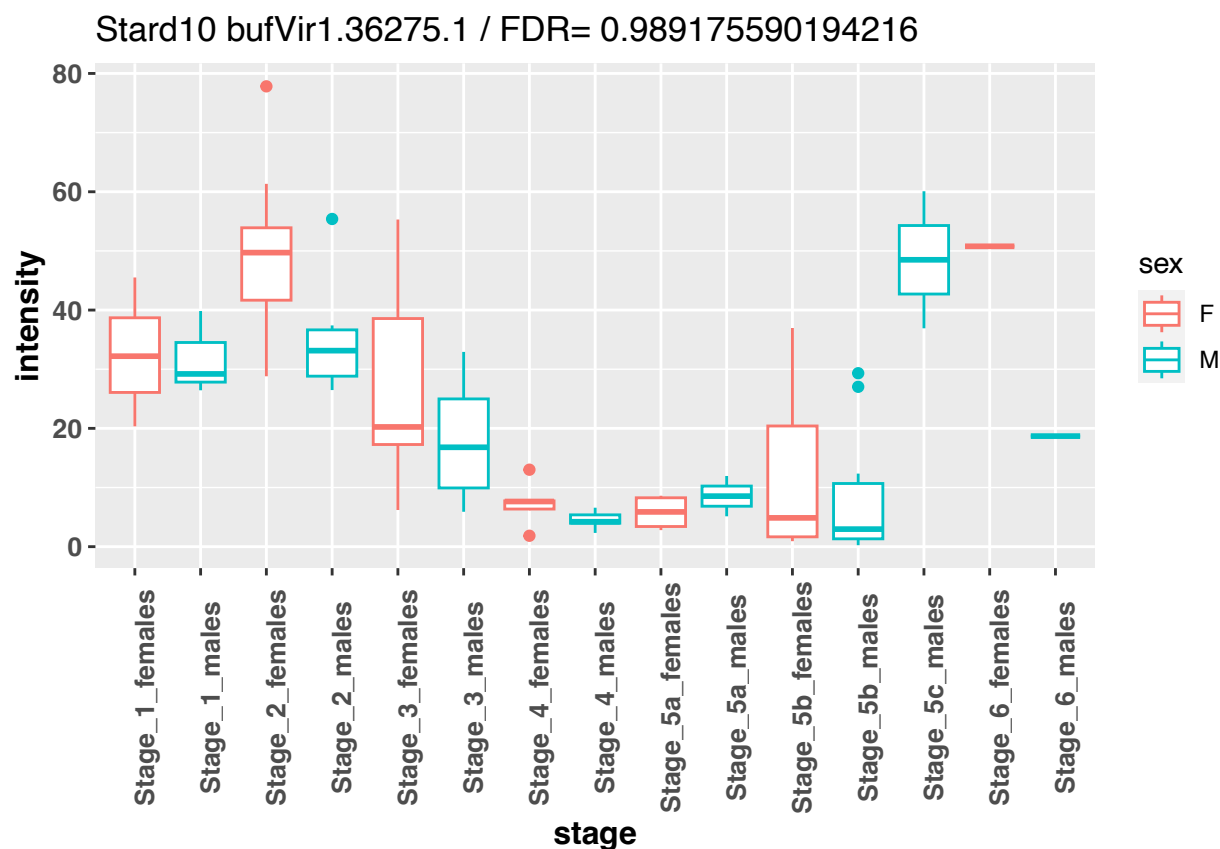


STAR bufVir1.29590.1 / FDR= 0.382192368654753

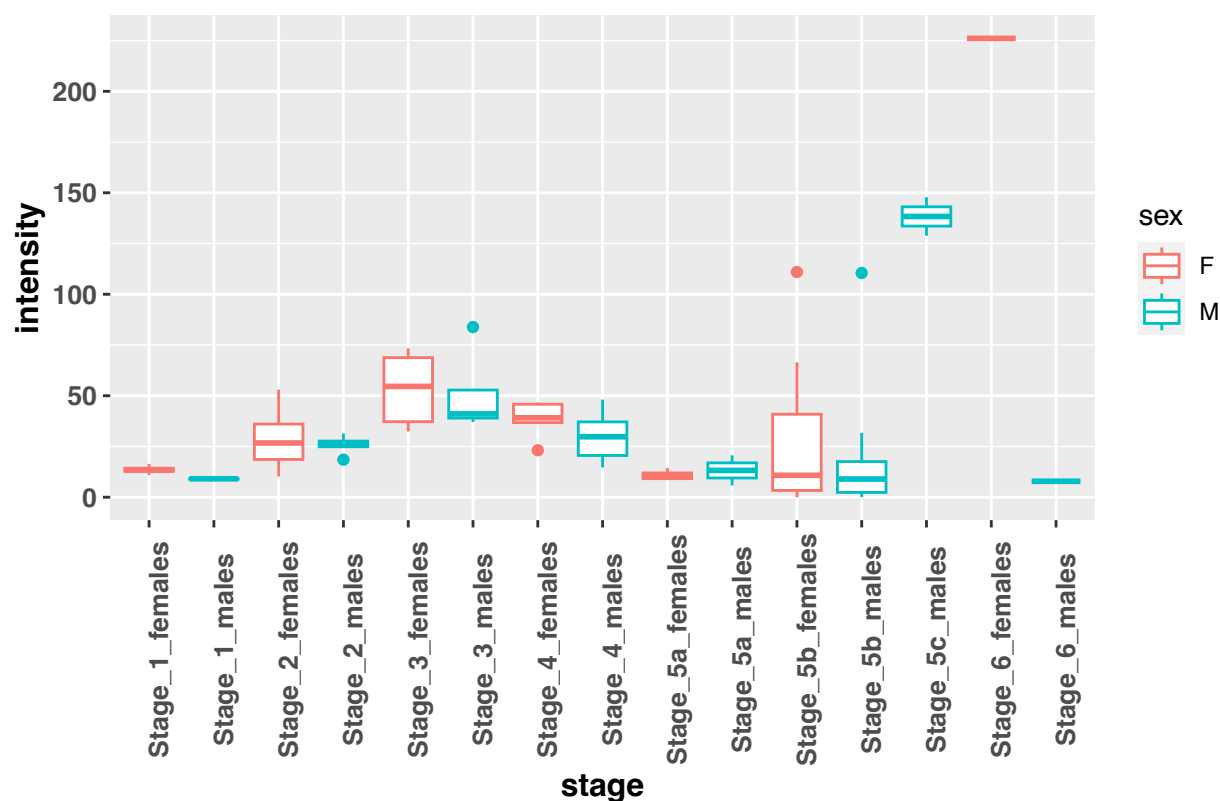


STARD3 bufVir1.29981.1 / FDR= 0.99998739121859

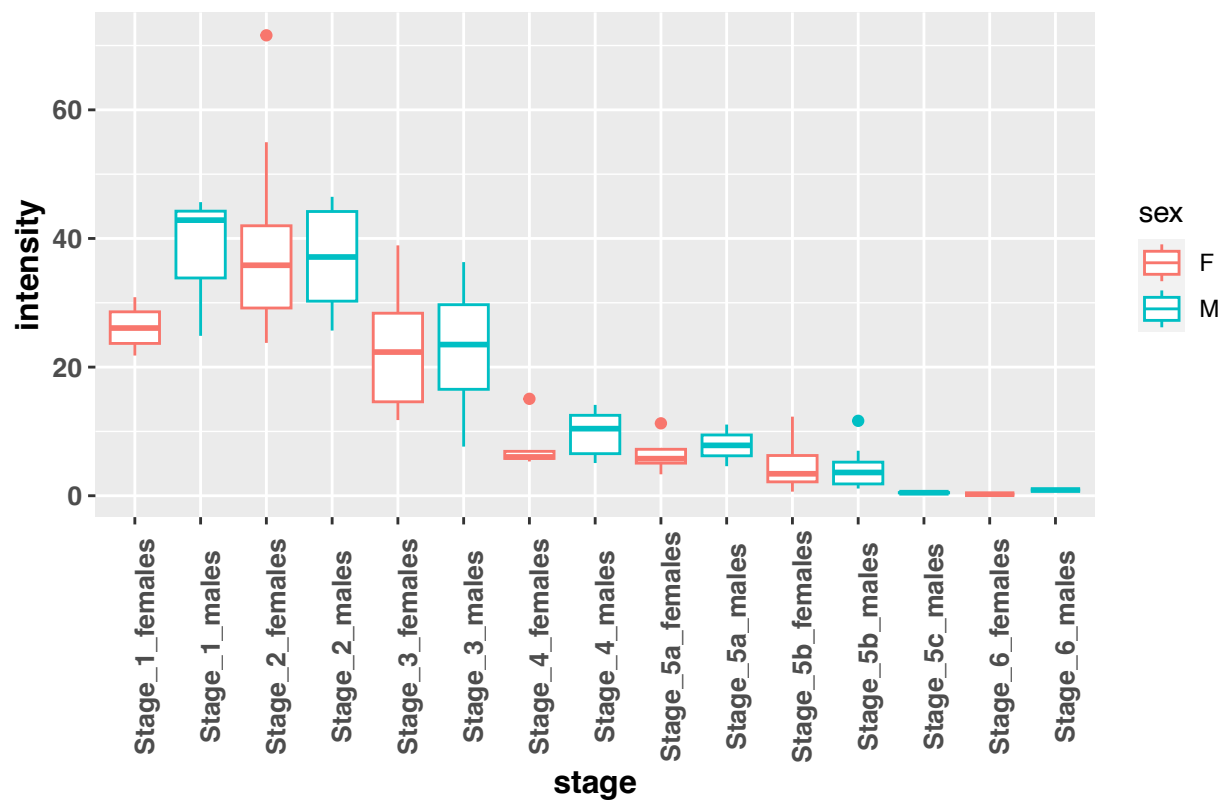




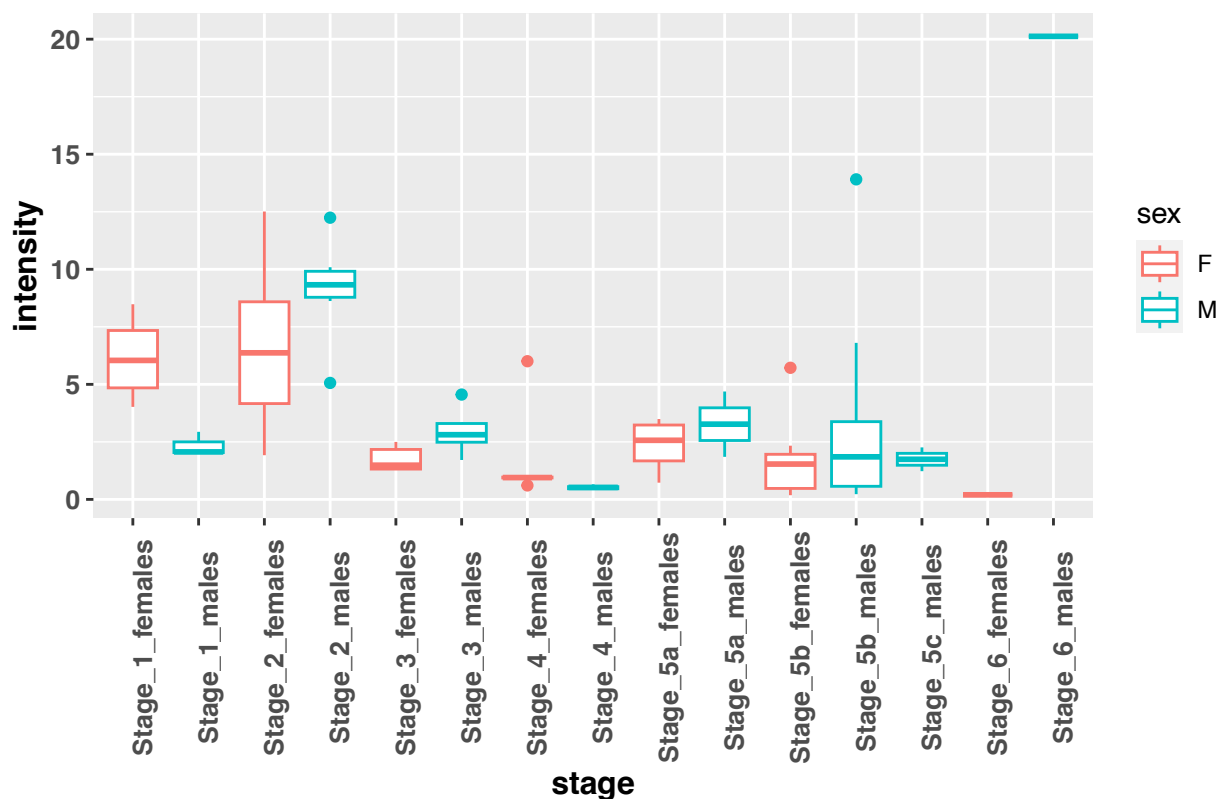
stbd1 bufVir1.3642.2 / FDR= 0.999980732933913



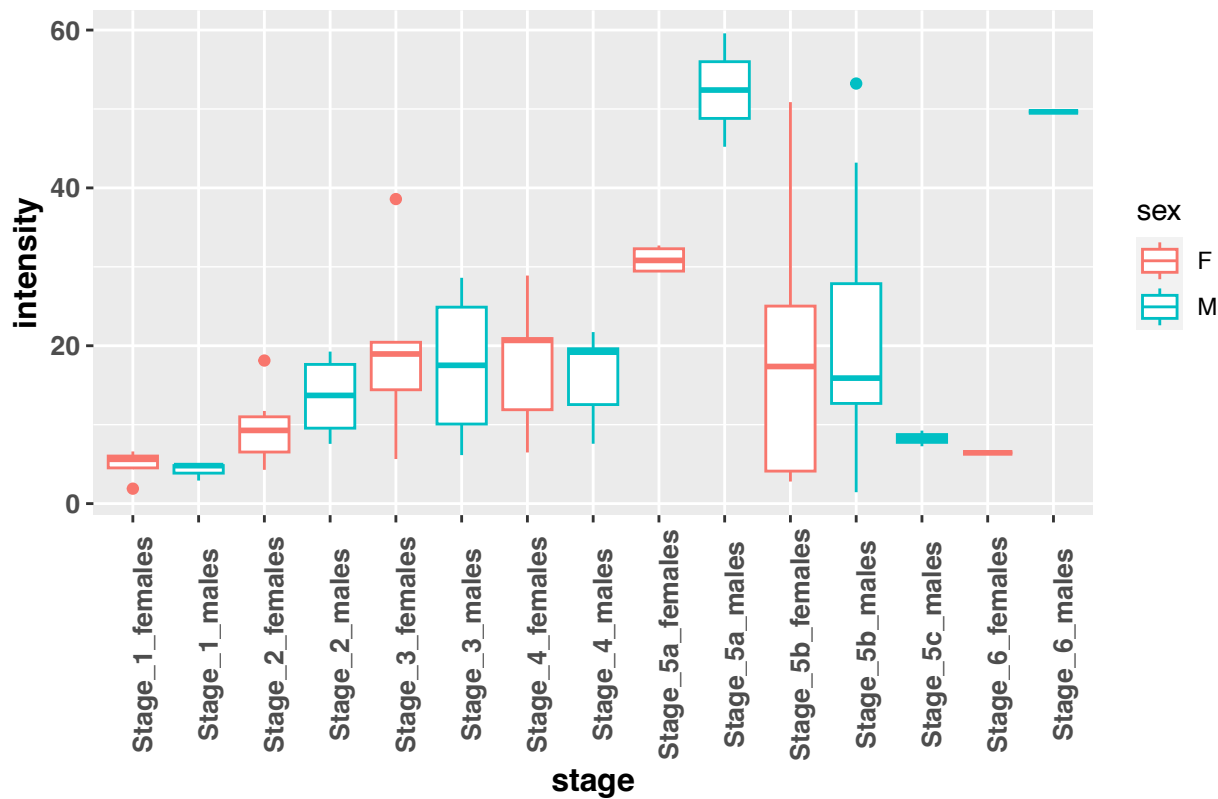
stard6 bufVir1.424.1 / FDR= 0.999980732933913



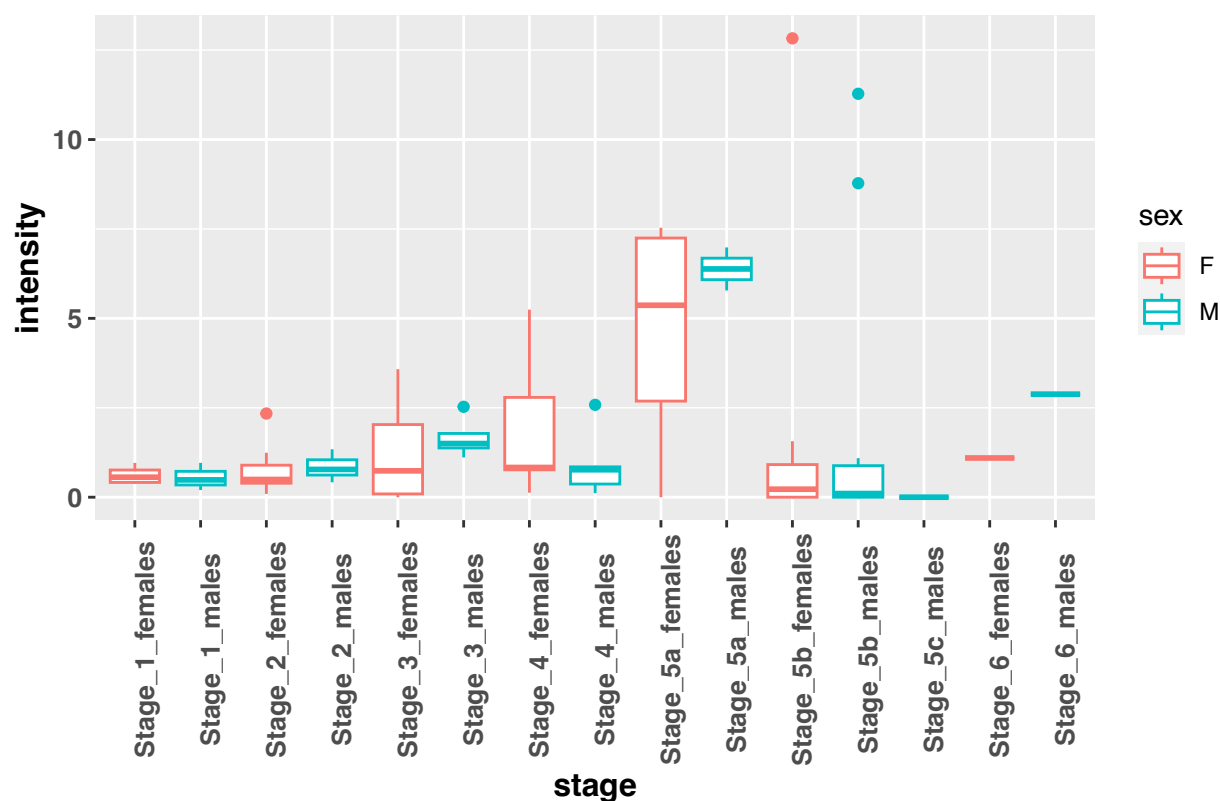
STARD4 bufVir1.6908.1 / FDR= 0.839752107237172



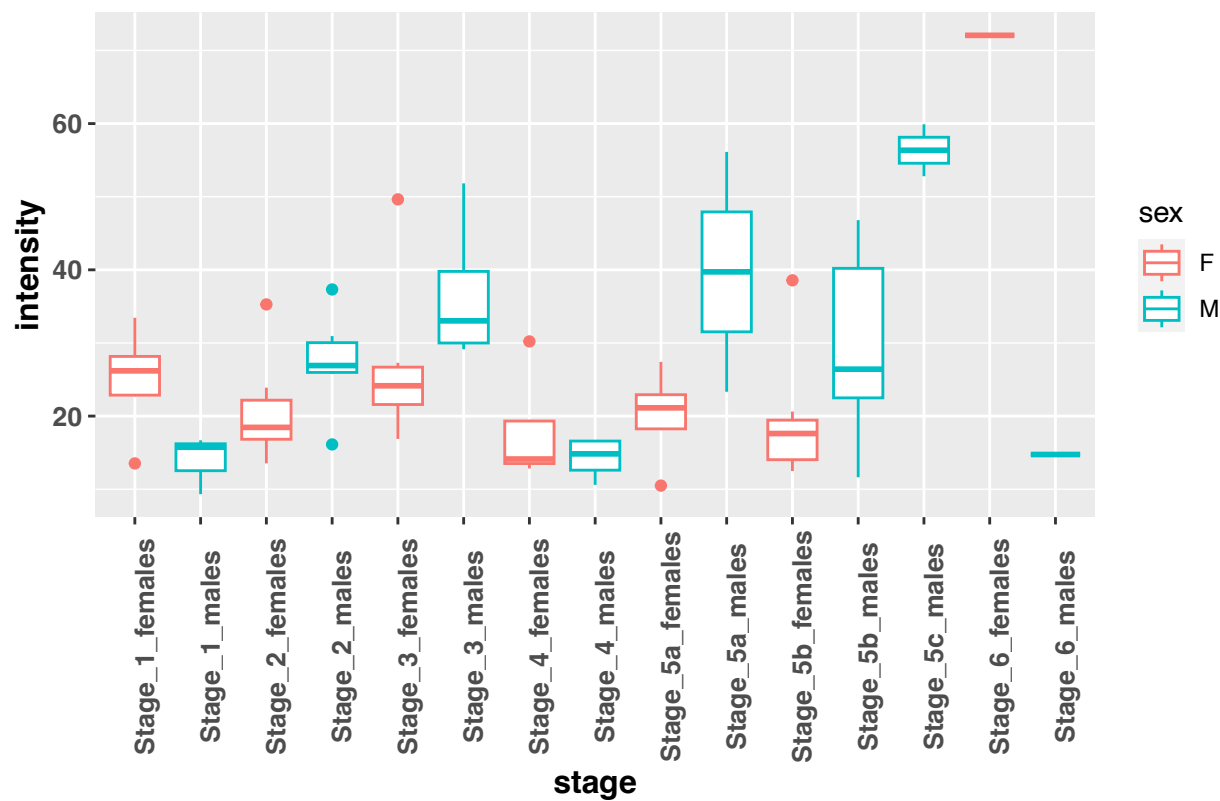
STARD9 bufVir1.7399.2 / FDR= 0.999980732933913



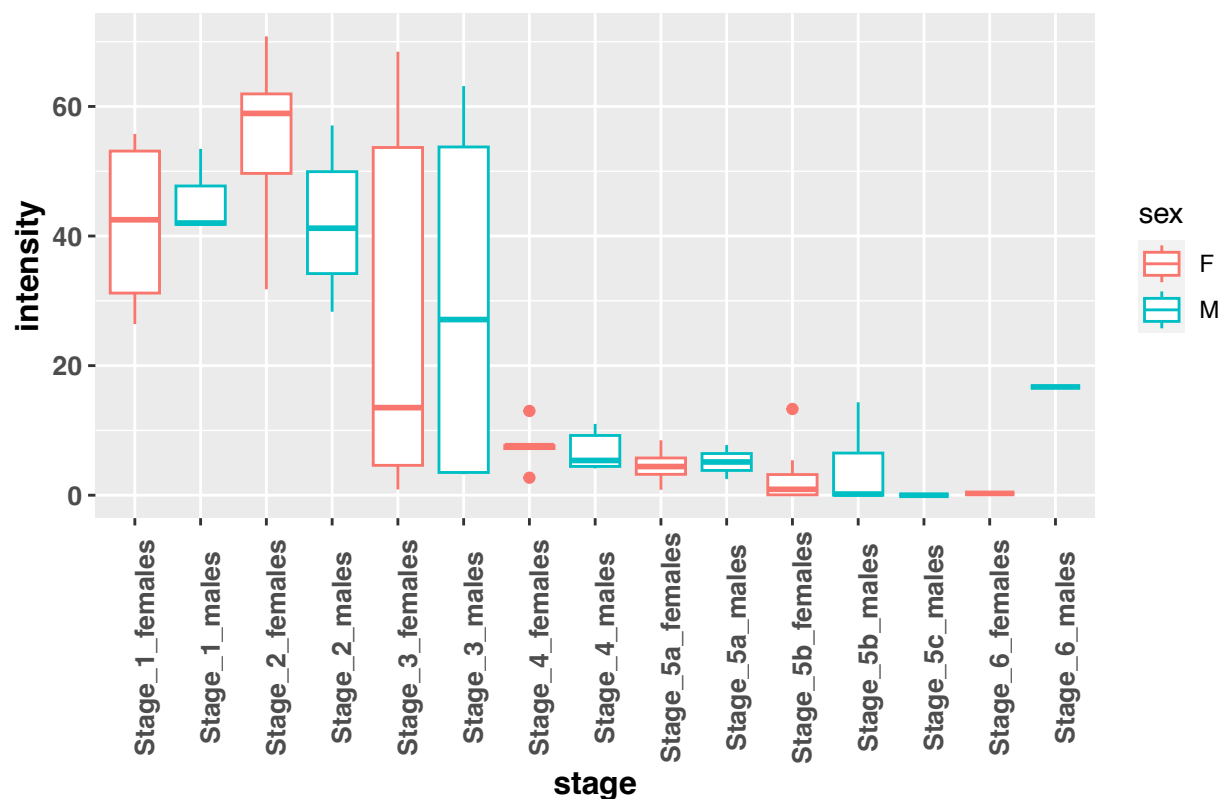
STAR bufVir1.9397.1 / FDR= 0.999980732933913



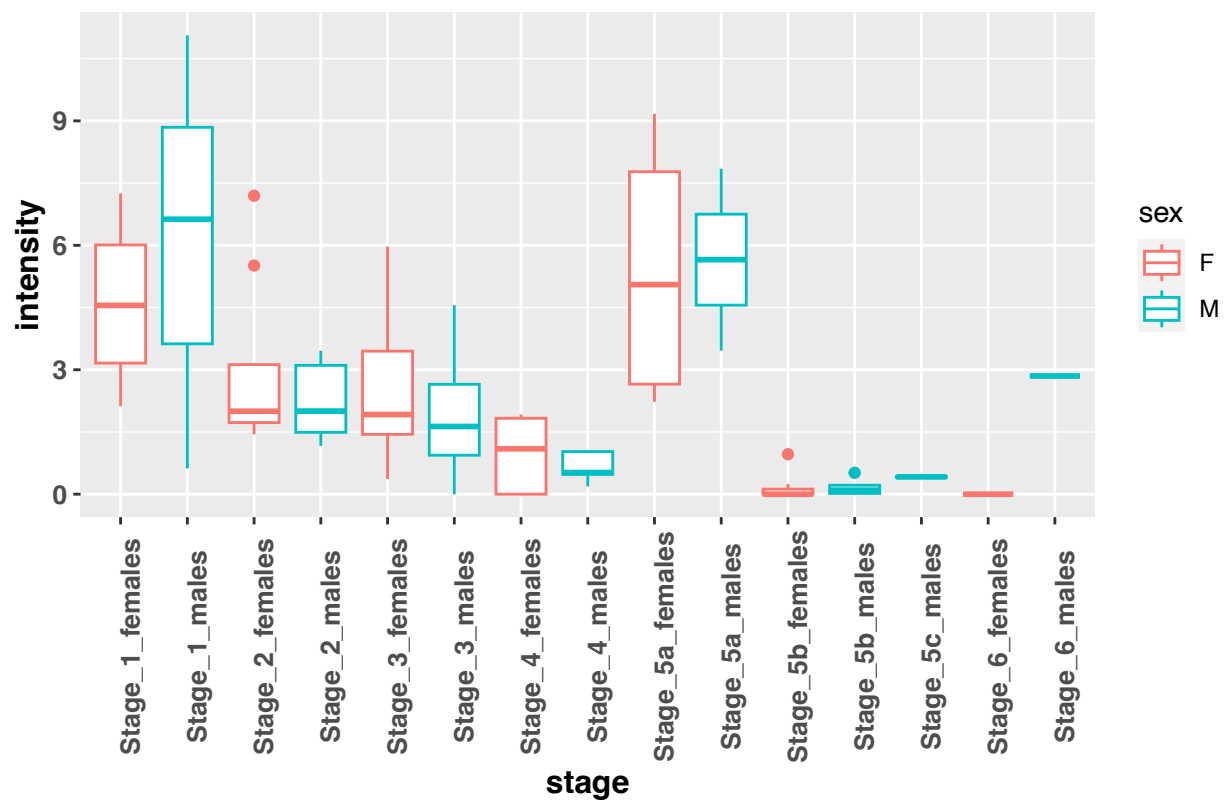
STARD7 bufVir1.9572.1 / FDR= 0.999980732933913



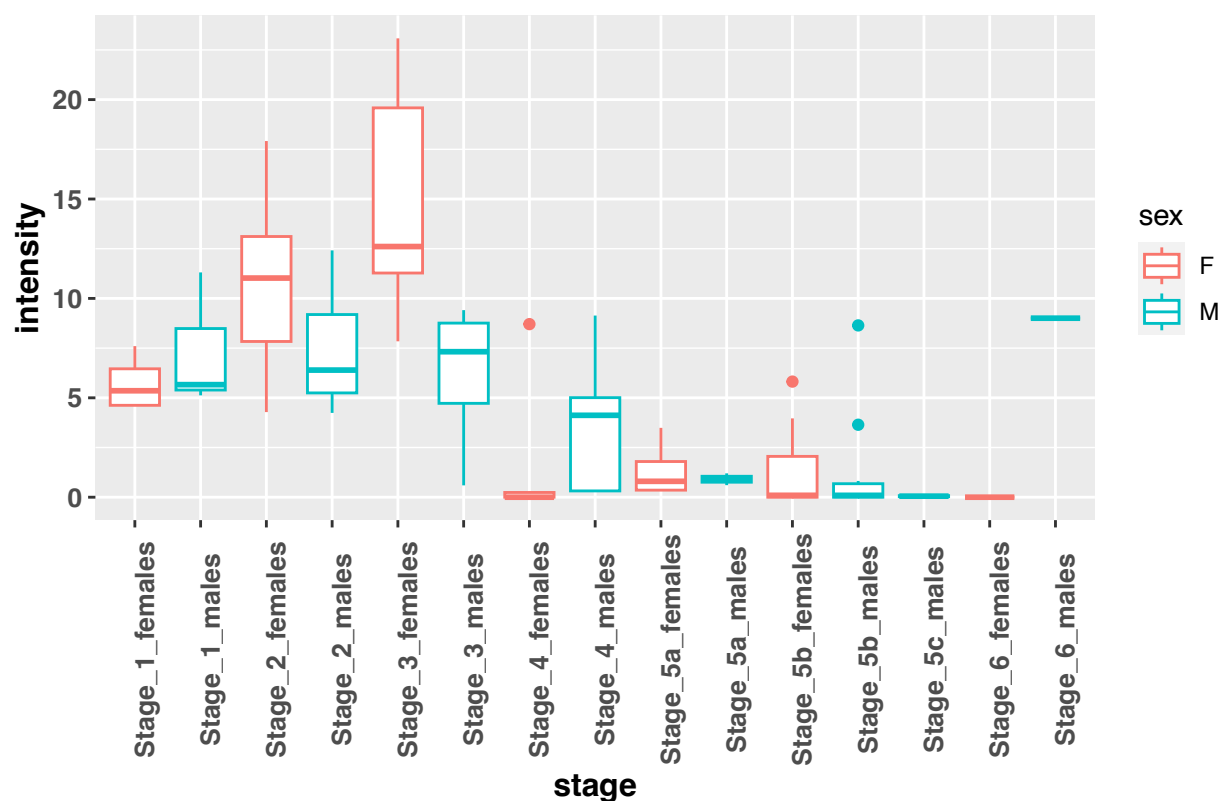
STRA6 bufVir1.10414.1 / FDR= 0.999980732933913



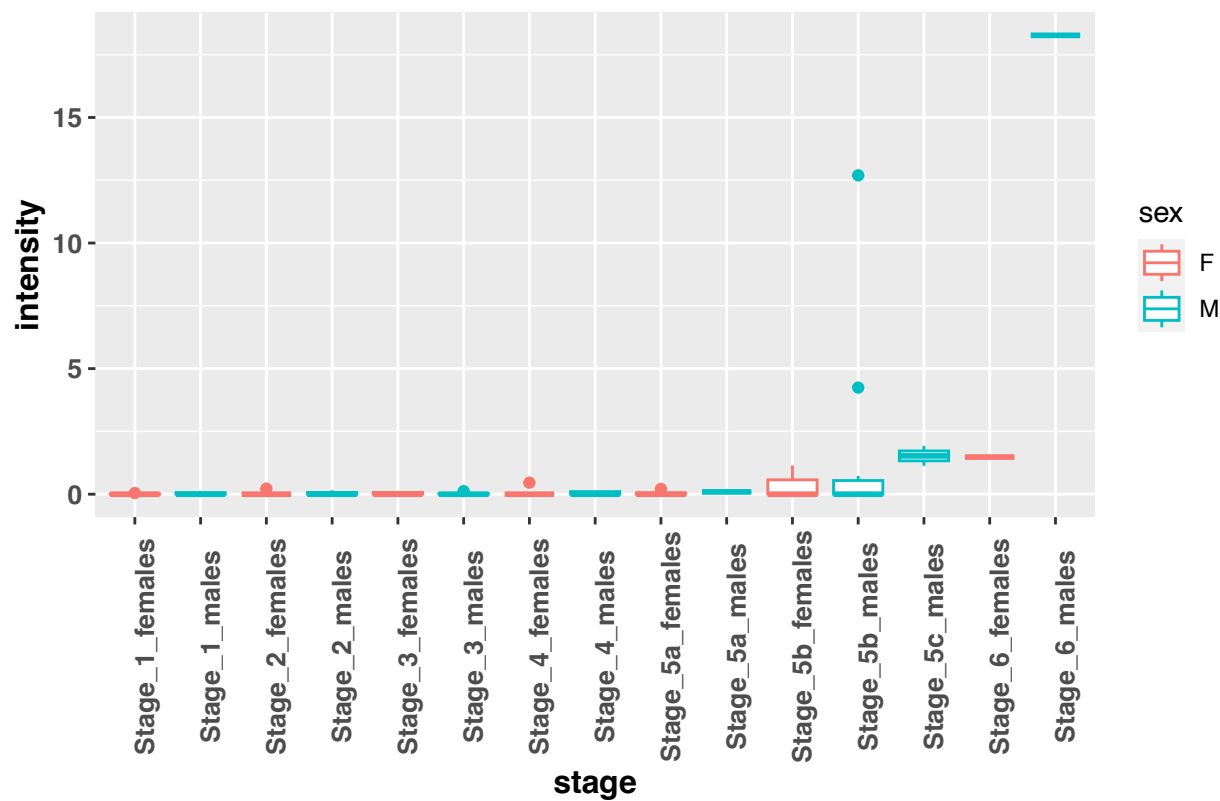
Stra6l bufVir1.10475.1 / FDR= 0.999980732933913



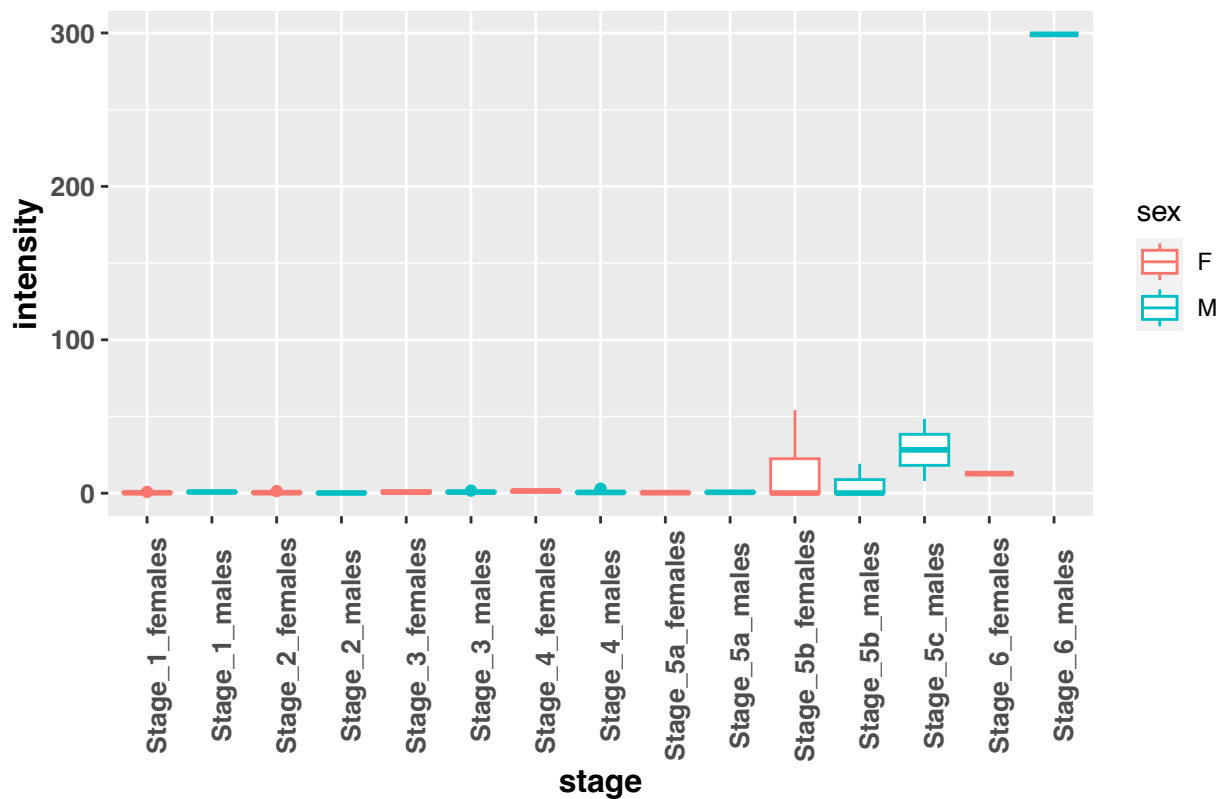
stra6l.1 bufVir1.2661.2 / FDR= 0.999980732933913



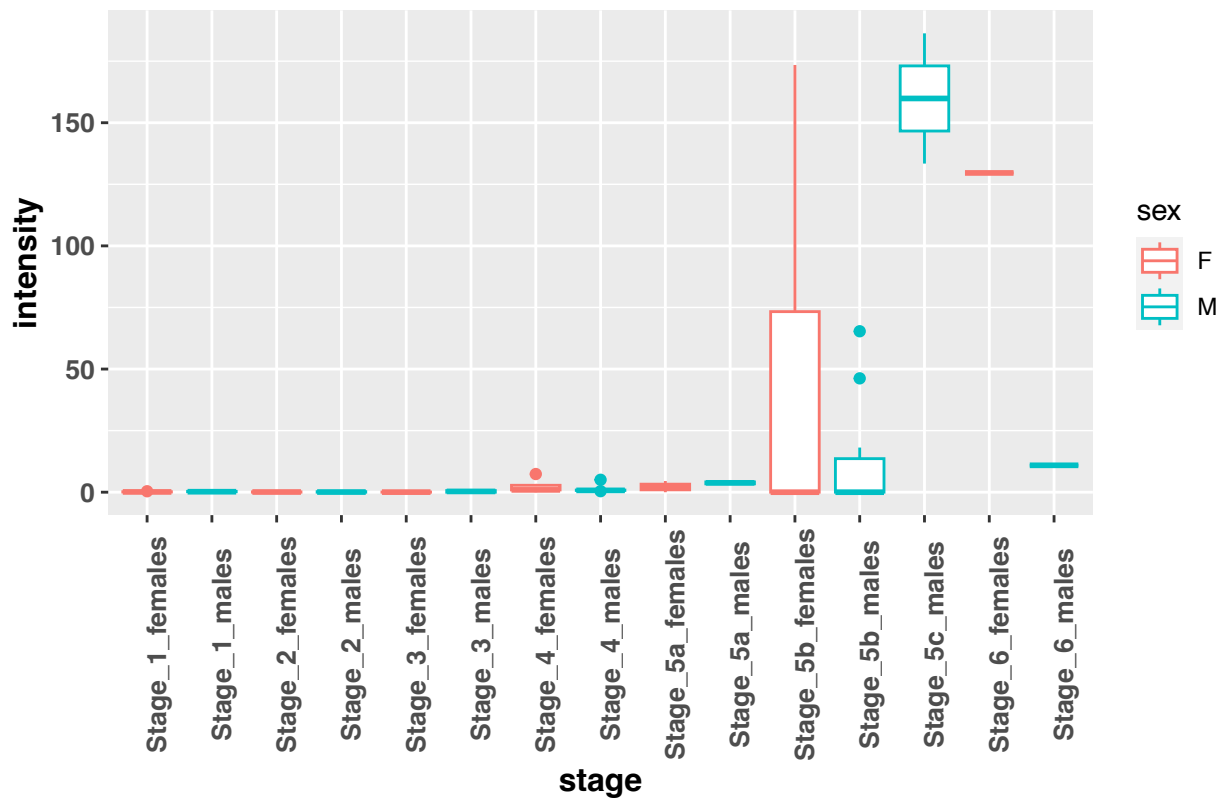
STRA8 bufVir1.12850.1 / FDR= 0.40455505657268

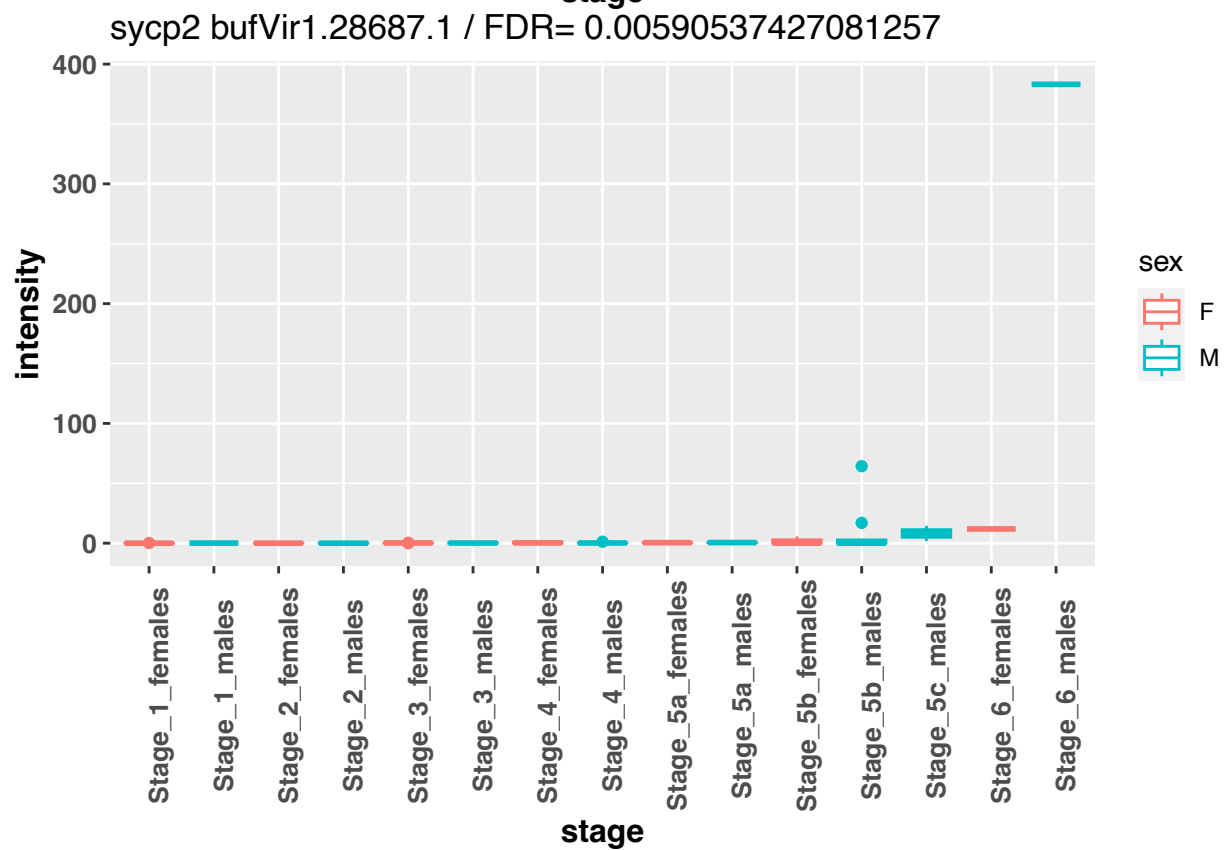
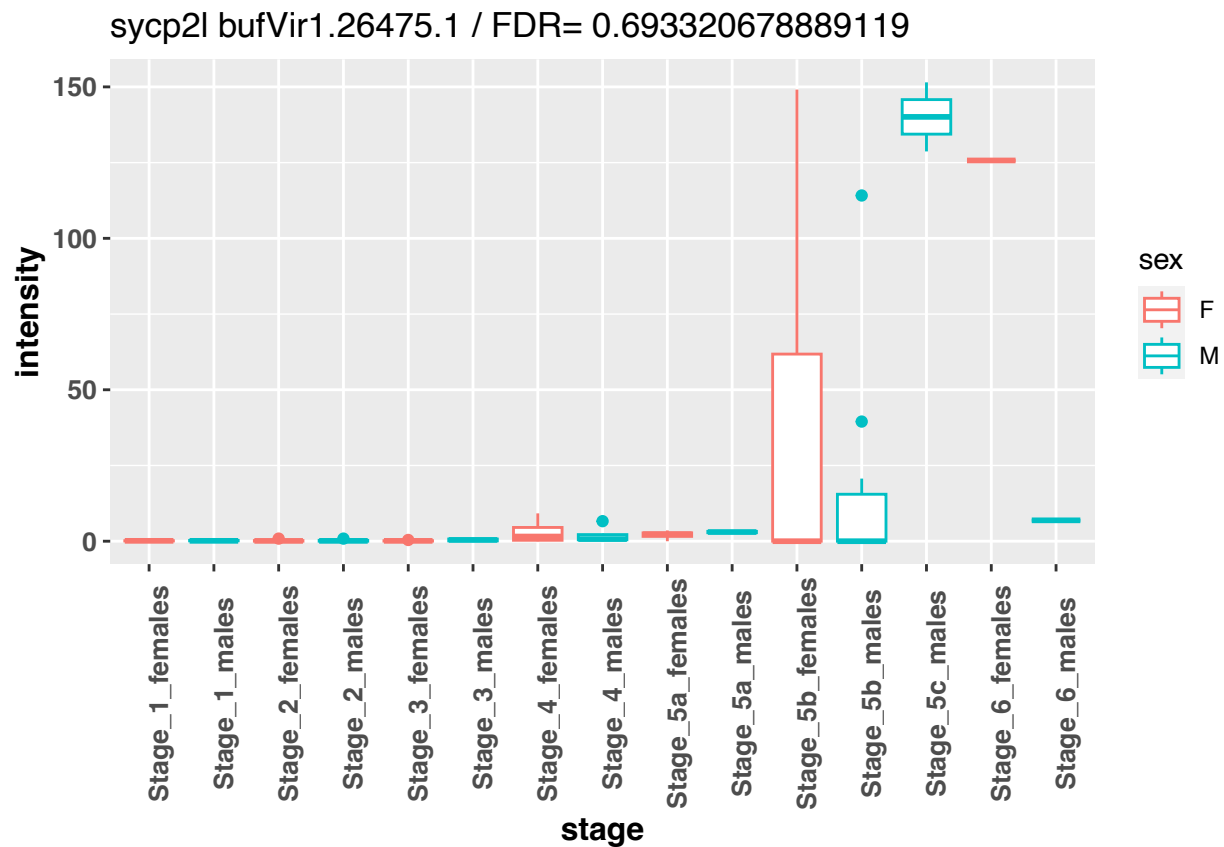


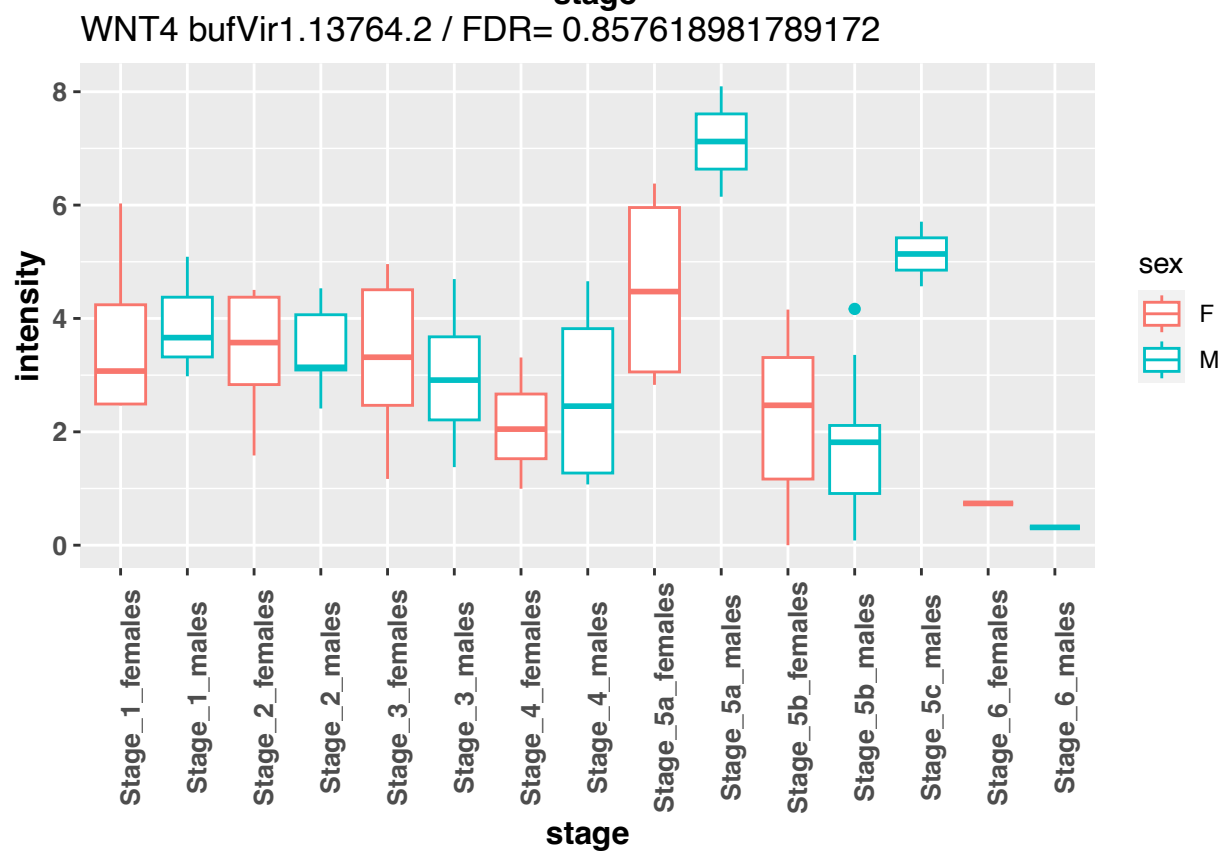
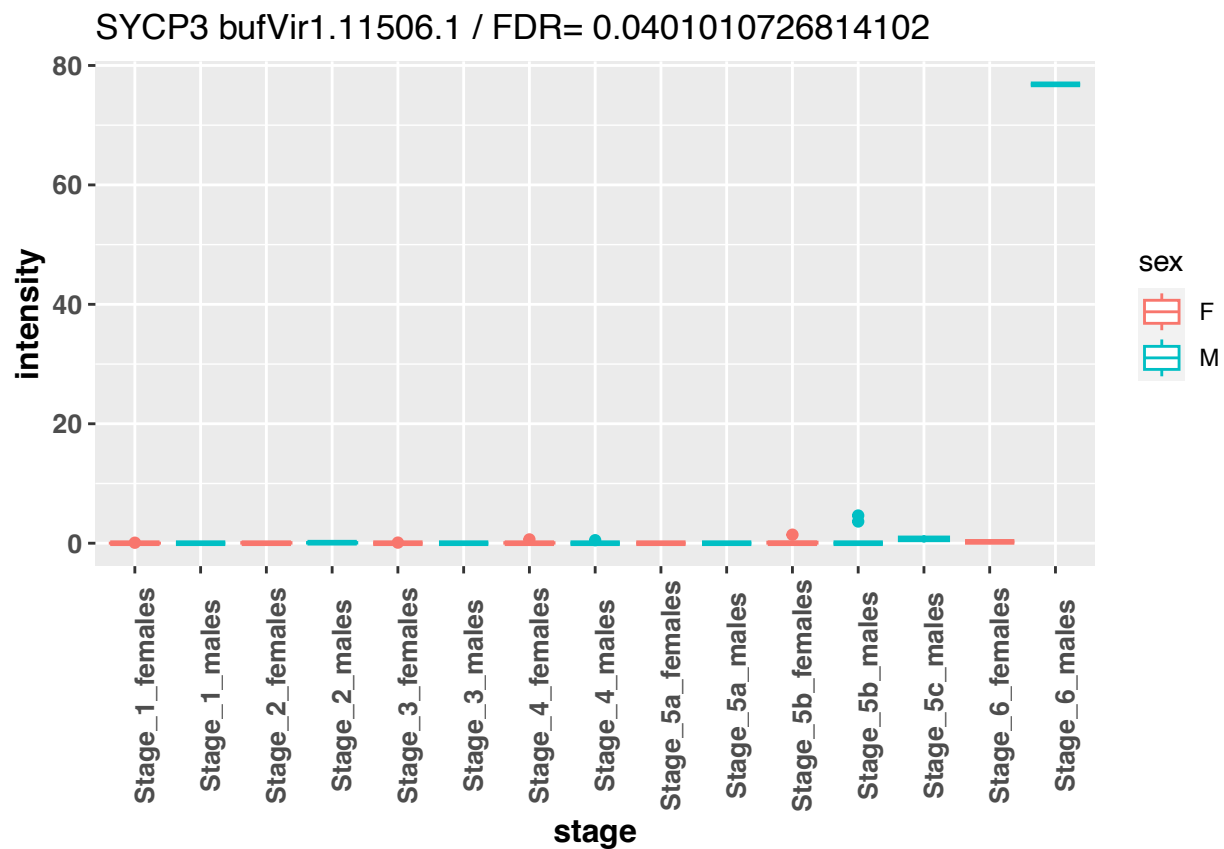
Sycp1 bufVir1.16494.1 / FDR= 0.000172095776393807



sycp2l bufVir1.26473.1 / FDR= 0.579879843885037







R version 4.3.0 (2023-04-21)

```

## Platform: x86_64-pc-linux-gnu (64-bit)
## Running under: Ubuntu 22.04.3 LTS
##
## Matrix products: default
## BLAS:   /usr/lib/x86_64-linux-gnu/blas/libblas.so.3.10.0
## LAPACK: /usr/lib/x86_64-linux-gnu/lapack/liblapack.so.3.10.0
##
## locale:
##  [1] LC_CTYPE=fr_FR.UTF-8      LC_NUMERIC=C
##  [3] LC_TIME=fr_FR.UTF-8      LC_COLLATE=fr_FR.UTF-8
##  [5] LC_MONETARY=fr_FR.UTF-8  LC_MESSAGES=fr_FR.UTF-8
##  [7] LC_PAPER=fr_FR.UTF-8     LC_NAME=C
##  [9] LC_ADDRESS=C             LC_TELEPHONE=C
## [11] LC_MEASUREMENT=fr_FR.UTF-8 LC_IDENTIFICATION=C
##
## time zone: Europe/Paris
## tzcode source: system (glibc)
##
## attached base packages:
## [1] stats      graphics  grDevices  utils      datasets  methods   base
##
## other attached packages:
## [1] knitr_1.43      plyr_1.8.8      edgeR_3.42.4    limma_3.56.2
## [5] pheatmap_1.0.12 ggplot2_3.4.2   reshape2_1.4.4
##
## loaded via a namespace (and not attached):
##  [1] gtable_0.3.3      dplyr_1.1.2      compiler_4.3.0    tidyselect_1.2.0
##  [5] Rcpp_1.0.10       stringr_1.5.0     splines_4.3.0     scales_1.2.1
##  [9] yaml_2.3.7        fastmap_1.1.1     lattice_0.21-8    R6_2.5.1
## [13] labeling_0.4.2    generics_0.1.3    tibble_3.2.1      munsell_0.5.0
## [17] pillar_1.9.0      RColorBrewer_1.1-3 rlang_1.1.1       utf8_1.2.3
## [21] stringi_1.7.12    xfun_0.39         cli_3.6.1         withr_2.5.0
## [25] magrittr_2.0.3    digest_0.6.31     grid_4.3.0        locfit_1.5-9.8
## [29] rstudioapi_0.14   lifecycle_1.0.3   vctrs_0.6.3       evaluate_0.21
## [33] glue_1.6.2        farver_2.1.1      fansi_1.0.4       colorspace_2.1-0
## [37] rmarkdown_2.22    tools_4.3.0       pkgconfig_2.0.3   htmltools_0.5.5

```