**REmove the warning message, and the whiskers when using**

**in.path <- "Z:/14985\_loot/results/20200707\_res\_CL14985\_realignment/"**

**# in.path <- "C:/Users/Gael/Desktop/"**

**integ.file <- "good\_file\_CL14985\_trim.5pAttc.rm.3pAttc.rm.cut25.sorted\_q20.nodup.sorted.reorient.pos.fork"**

**random.file <- "random.200.bed" # V2 column is random positions in Ecoli Genome**

**integ <- read.table(paste0(in.path, integ.file), sep = "\t", stringsAsFactors = FALSE, header = TRUE)**

**rd <- read.table(paste0(in.path, random.file), sep = "\t", stringsAsFactors = FALSE, header = FALSE)**

**pos.list <- as.list(integ$pos)**

**res <- sapply(X = pos.list, FUN = function(X){min(abs(tss$V4 - X))})**

**if(length(res) != nrow(integ)){**

**cat("\n\nERROR: length(res) DIFFERENT FROM nrow(integ)\n\n")**

**}**

**length(res)**

**rd.pos.list <- as.list(rd$V2)**

**rd.res <- sapply(X = rd.pos.list, FUN = function(X){min(abs(tss$V4 - X))})**

**if(length(rd.res) != nrow(rd)){**

**cat("\n\nERROR: length(rd.res) DIFFERENT FROM nrow(rd)\n\n")**

**}**

**length(rd.res)**

**windows(5,5)**

**fun\_gg\_boxplot(**

**data = data.frame(y = log10(c(res, rd.res)), class = c(rep("real", length(res)), rep("random", length(rd.res))), stringsAsFactors = TRUE),**

**y = "y",**

**categ = "class",**

**categ.class.order = list(c("real", "random")),**

**box.legend.name = "",**

**dot.size = 0.5,**

**dot.alpha = 0.1,**

**dot.border.size = 0,**

**title = "TOTAL POSITIONS",**

**x.lab = "",**

**y.lab = "Distance from TSS (bp)",**

**stat.disp = "top",**

**legend.show = FALSE,**

**y.log = "log10",**

**return = FALSE**

**)**

**Change also this message:**

**(5) LOG CONVERSION INTRODUCED -Inf OR Inf OR NA OR NaN VALUES IN THE y COLUMN OF THE data1 ARGUMENT, THAT WILL NOT BE CONSIDERED IN THE PLOT RANGE**

**(6) THE data1 ARGUMENT CONTAINS -Inf OR Inf VALUES IN THE y COLUMN, THAT WILL NOT BE CONSIDERED IN THE PLOT RANGE**

**# display the correct stat, not the log stat**

**# In fact, work as if not log but convert to log just before plotting using assign: for dots, boxes and means, + convert stat and dot positions if required. And that's it**

**# mean at -Inf is a problem**

**# add a warning message saying that MEDIAN OR MEANS ARE SHOWN ABOVE /TOP**

**NA in categ -> bug**