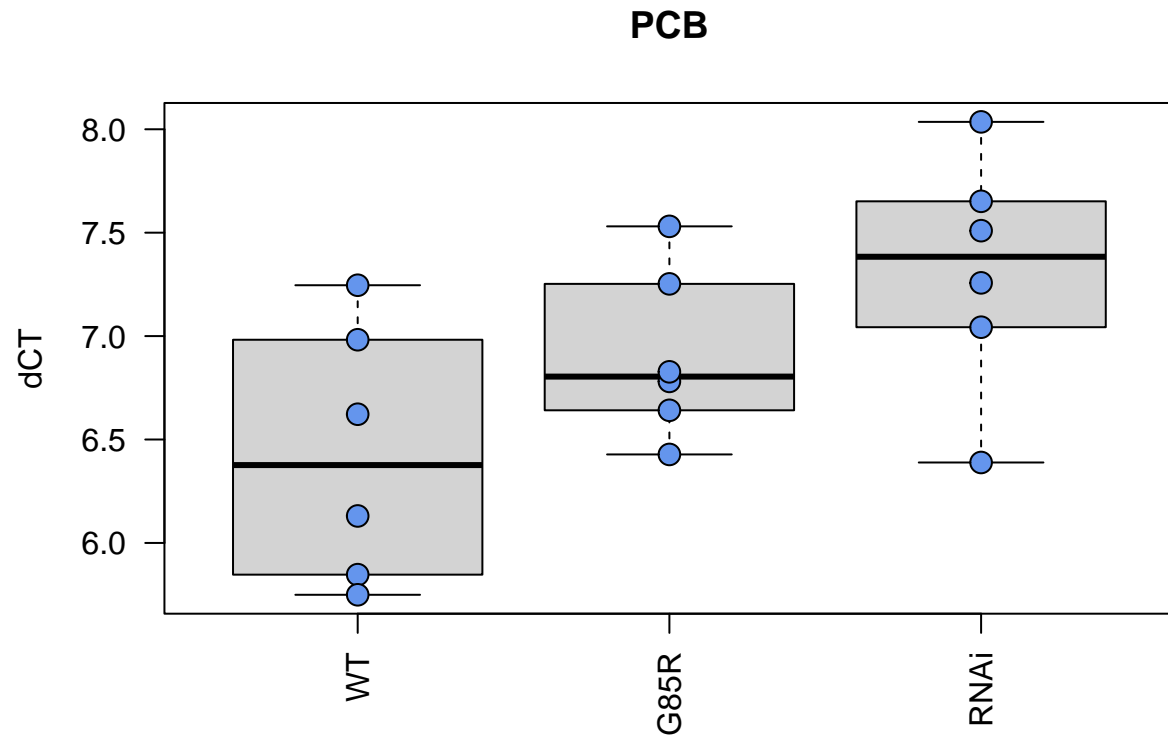


Anna Analysis with John

John Santiago

2024-03-21

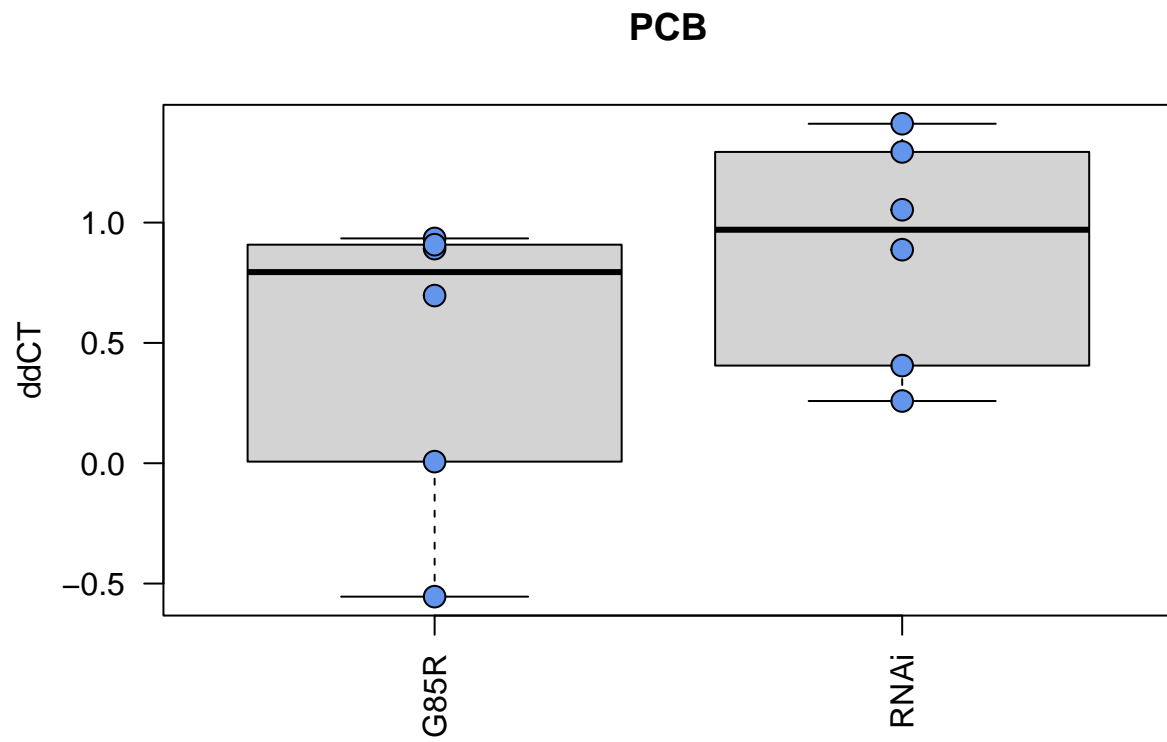


```
## Tukey multiple comparisons of means
## 95% family-wise confidence level
##
## Fit: aov(formula = plotdata$dCT ~ plotdata$Sample)
##
## $'plotdata$Sample'
##           diff          lwr          upr          p adj
## G85R-WT    0.4805599 -0.32579675 1.286917 0.2977323
## RNAi-WT    0.8848732  0.07851646 1.691230 0.0307905
## RNAi-G85R  0.4043132 -0.40204349 1.210670 0.4154583

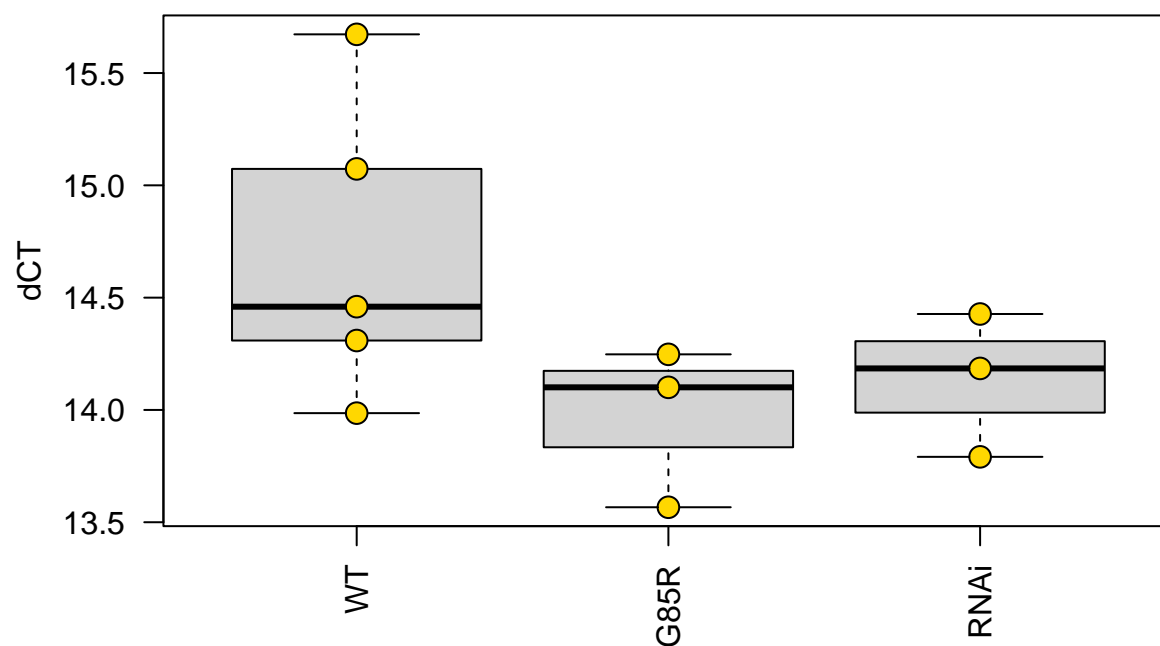
##           Df Sum Sq Mean Sq F value Pr(>F)
## Sample      2  2.355   1.1774    6.616 0.0148 *
```

```
## Rep          5  2.557  0.5114  2.874 0.0731 .
## Residuals    10  1.780  0.1780
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
##   paired_t.test paired_p.val
## 1      G85R-WT  0.114488976
## 2      RNAi-WT  0.005663399
## 3      G85R-RNAi 0.207705776
```



LDH



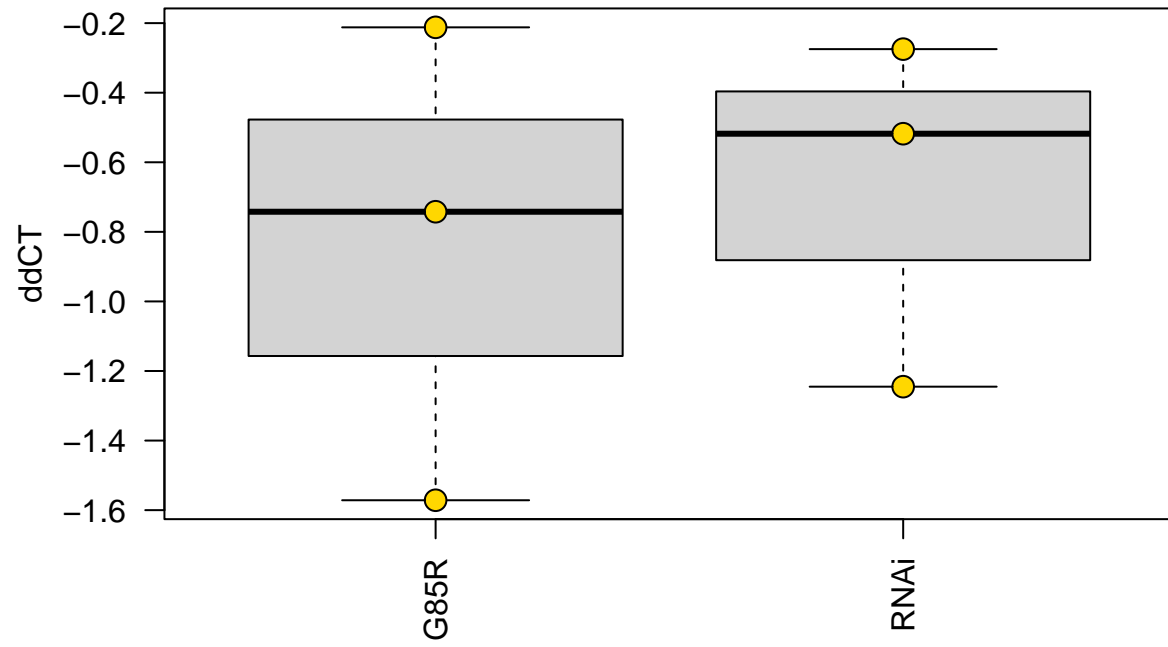
```
## Tukey multiple comparisons of means
## 95% family-wise confidence level
##
## Fit: aov(formula = plotdata$dCT ~ plotdata$Sample)
##
## $'plotdata$Sample'
##      diff      lwr      upr    p adj
## G85R-WT -0.7283054 -1.839423 0.3828124 0.2080745
## RNAi-WT -0.5655673 -1.676685 0.5455505 0.3607156
## RNAi-G85R 0.1627381 -1.079529 1.4050056 0.9263632

##      Df Sum Sq Mean Sq F value Pr(>F)
## Sample      2  1.181   0.5906    4.632  0.091 .
## Rep         4  1.758   0.4395    3.447  0.129
## Residuals   4  0.510   0.1275

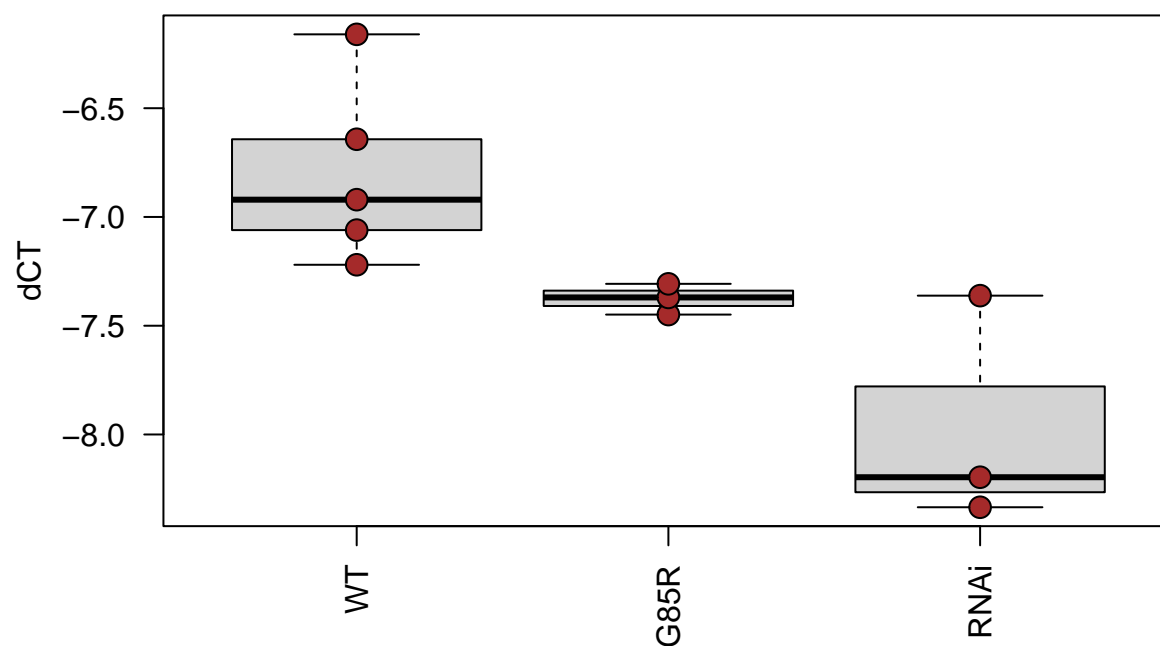
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## paired_t.test paired_p.val
## 1      G85R-WT    0.1670862
## 2      RNAi-WT    0.1451087
## 3      G85R-RNAi  0.2971909
```

LDH



PDH

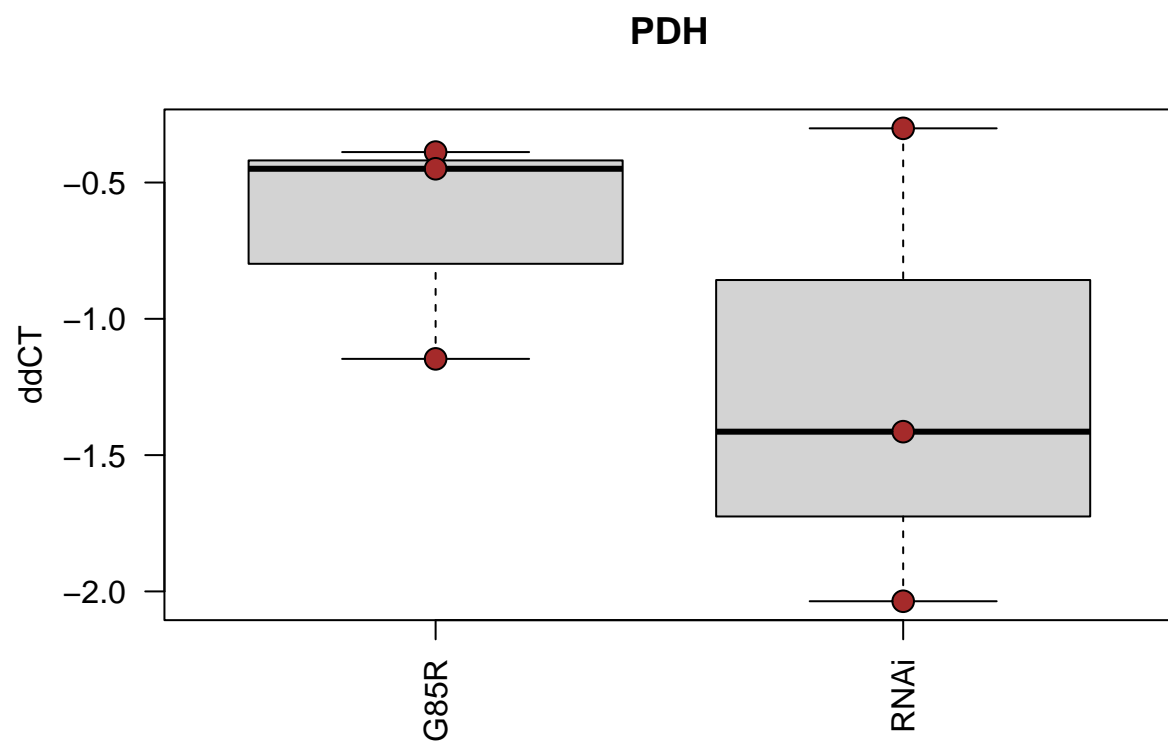


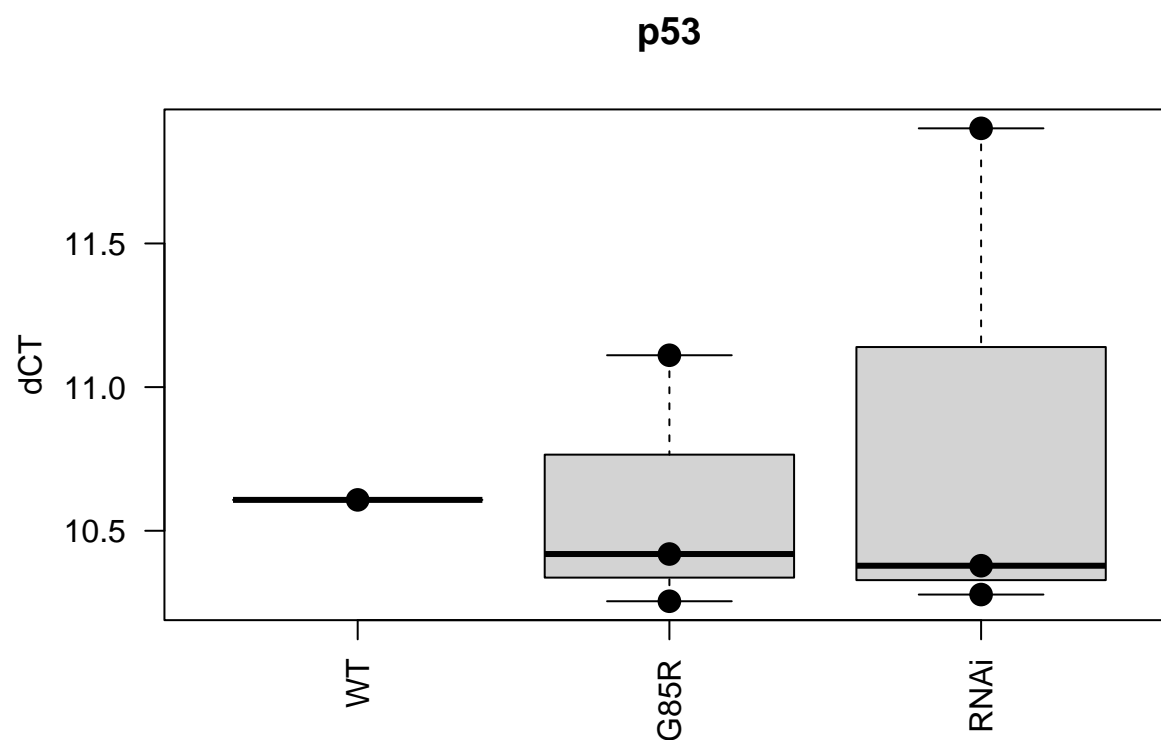
```
## Tukey multiple comparisons of means
## 95% family-wise confidence level
##
## Fit: aov(formula = plotdata$dCT ~ plotdata$Sample)
##
## $'plotdata$Sample'
##      diff      lwr      upr    p adj
## G85R-WT -0.5745674 -1.401579  0.2524445 0.1779288
## RNAi-WT -1.1634514 -1.990463 -0.3364395 0.0095324
## RNAi-G85R -0.5888840 -1.513511  0.3357434 0.2238253

##      Df Sum Sq Mean Sq F value Pr(>F)
## Sample      2  2.5798   1.2899   5.980 0.0628 .
## Rep         4  0.3937   0.0984   0.456 0.7670
## Residuals   4  0.8628   0.2157

## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

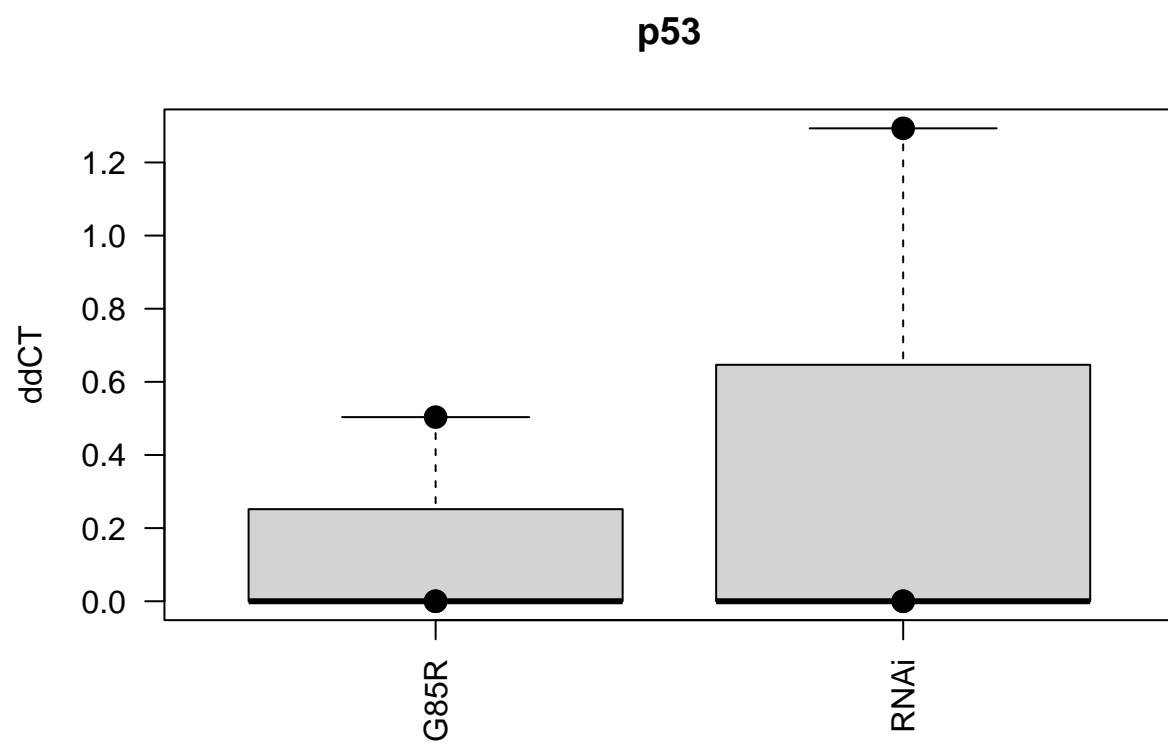
## paired_t.test paired_p.val
## 1      G85R-WT      0.1128315
## 2      RNAi-WT      0.1326773
## 3      G85R-RNAi    0.2241939
```

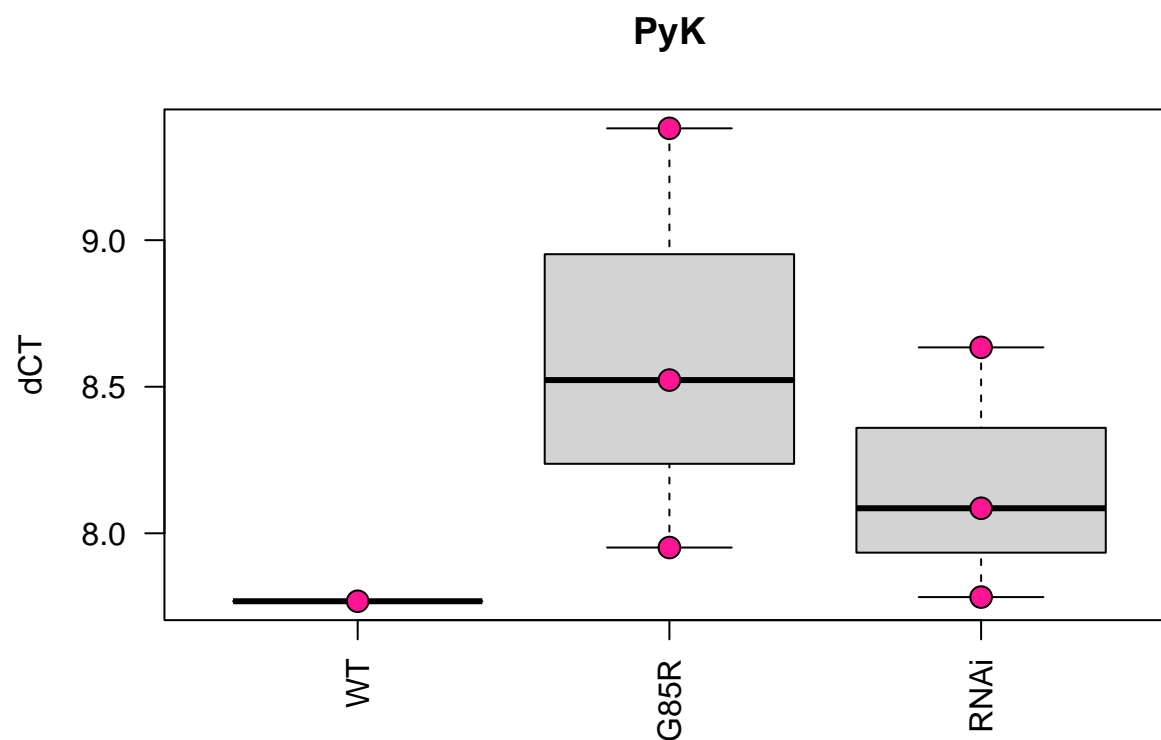




```
## Tukey multiple comparisons of means
## 95% family-wise confidence level
##
## Fit: aov(formula = plotdata$dCT ~ plotdata$Sample)
##
## $'plotdata$Sample'
##      diff      lwr      upr    p adj
## G85R-WT -0.01251463 -2.970493 2.945464 0.9998747
## RNAi-WT  0.24491025 -2.713068 3.202889 0.9536795
## RNAi-G85R 0.25742488 -1.834182 2.349032 0.9018544

##      Df Sum Sq Mean Sq F value Pr(>F)
## Sample      2  0.1110   0.0555    0.520  0.658
## Rep          2  1.8530   0.9265    8.678  0.103
## Residuals    2  0.2135   0.1068
```

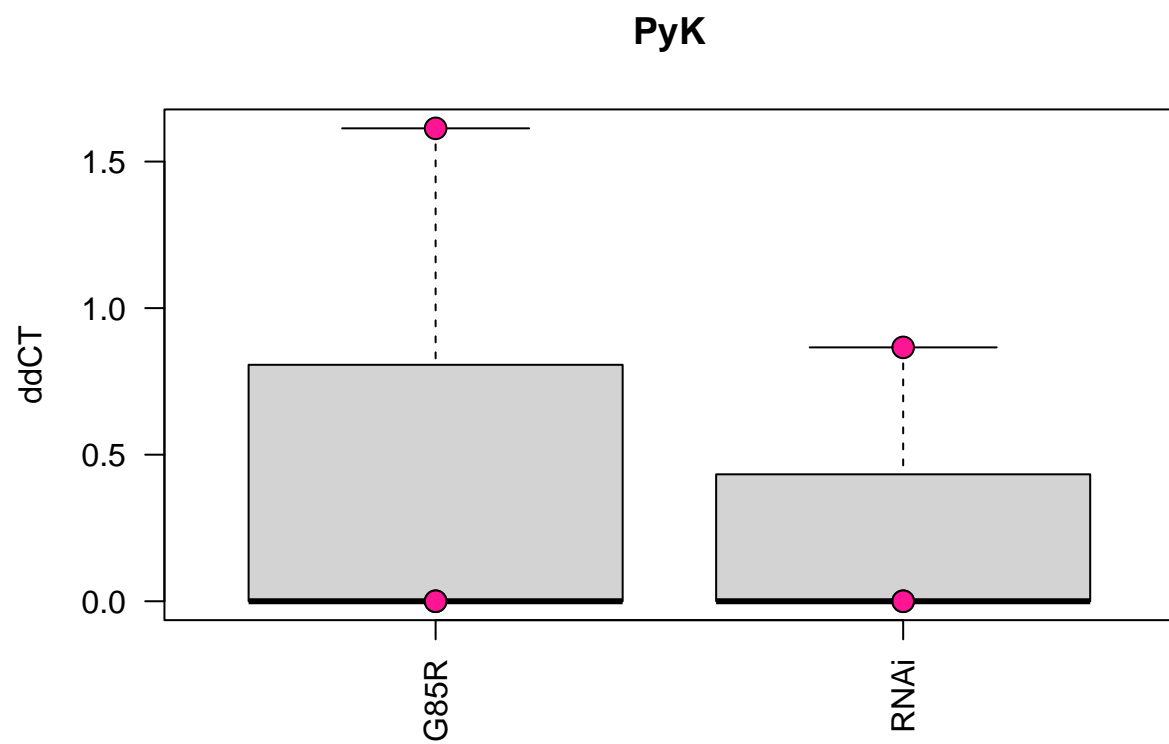


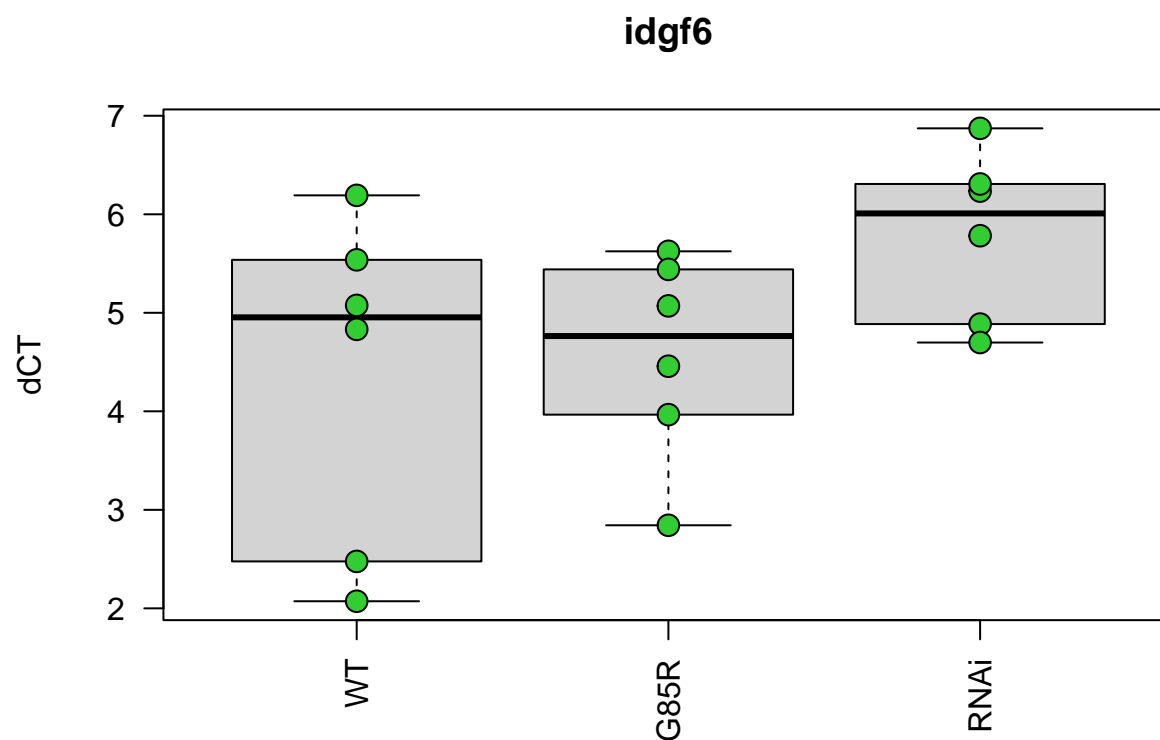


```
## Tukey multiple comparisons of means
## 95% family-wise confidence level
##
## Fit: aov(formula = plotdata$dCT ~ plotdata$Sample)
##
## $'plotdata$Sample'
##      diff      lwr      upr    p adj
## G85R-WT  0.8503342 -1.592400  3.293068 0.4939203
## RNAi-WT  0.3991428 -2.043591  2.841877 0.8364579
## RNAi-G85R -0.4511913 -2.178465  1.276082 0.6520467

##      Df Sum Sq Mean Sq F value Pr(>F)
## Sample      2  0.6399   0.3200    7.642 0.1157
## Rep         2  1.3256   0.6628   15.830 0.0594 .
## Residuals    2  0.0837   0.0419

## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```



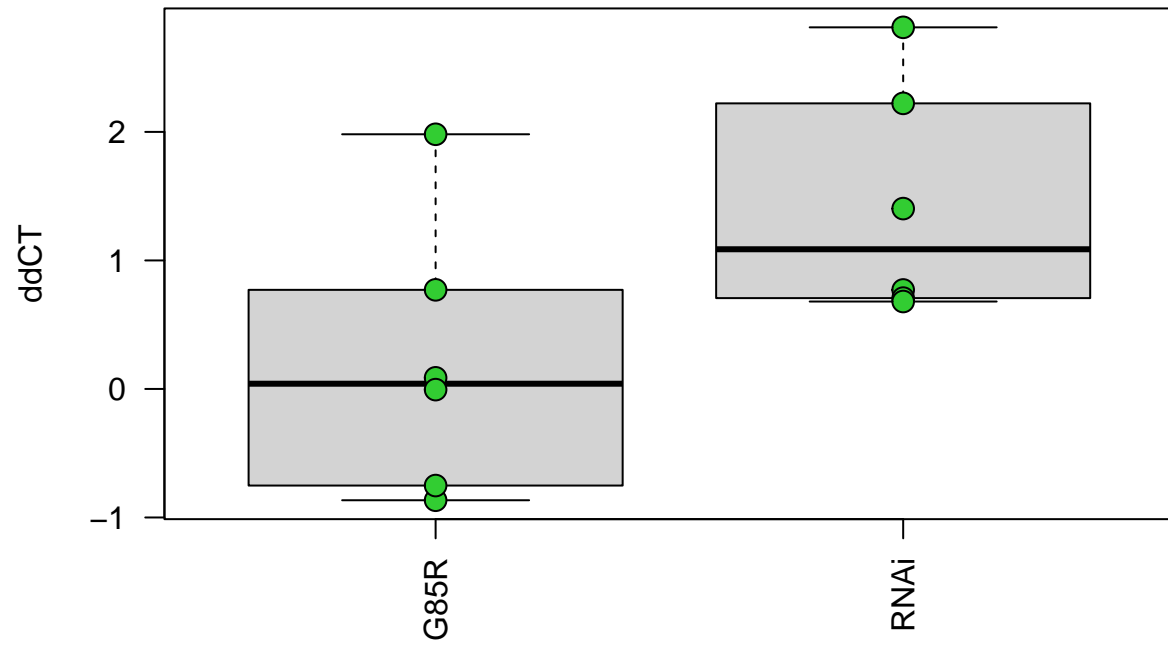


```
## Tukey multiple comparisons of means
## 95% family-wise confidence level
##
## Fit: aov(formula = plotdata$dCT ~ plotdata$Sample)
##
## $'plotdata$Sample'
##      diff      lwr      upr    p adj
## G85R-WT  0.2027152 -1.6698271 2.075258 0.9574717
## RNAi-WT  1.4326637 -0.4398786 3.305206 0.1495871
## RNAi-G85R 1.2299485 -0.6425938 3.102491 0.2352912

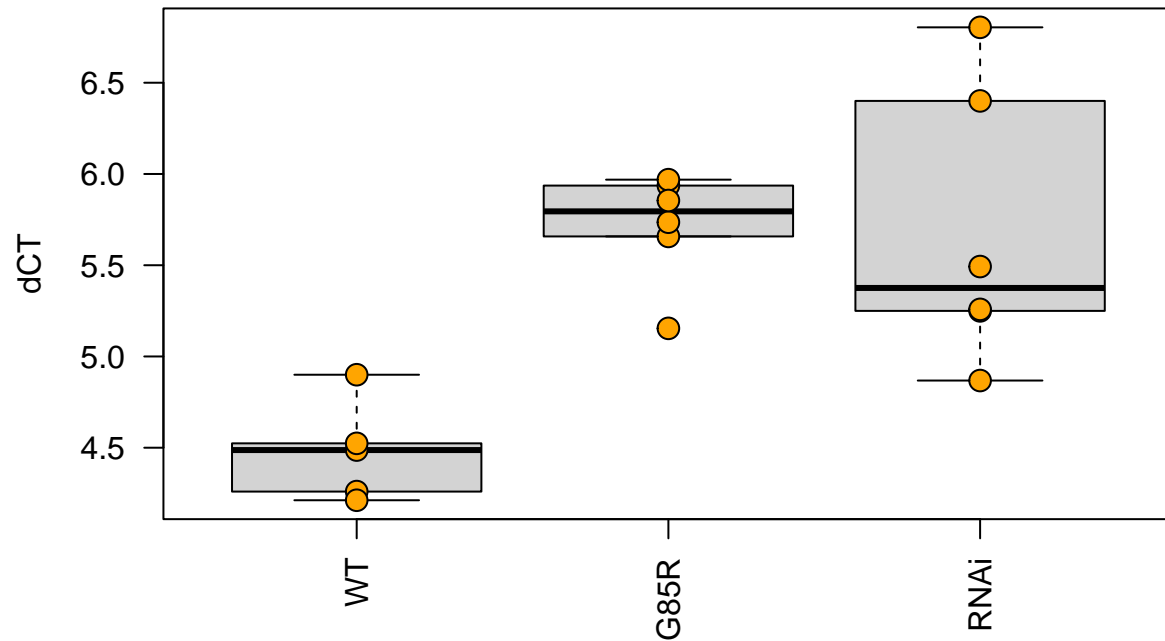
##      Df Sum Sq Mean Sq F value Pr(>F)
## Sample      2  7.213    3.606    8.331 0.00742 **
## Rep         5 19.058    3.812    8.805 0.00198 **
## Residuals   10  4.329    0.433
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

## paired_t.test paired_p.val
## 1      G85R-WT    0.65859393
## 2      RNAi-WT    0.01148806
## 3      G85R-RNAi  0.01409438
```

idgf6



PEPCK-1



```
## Tukey multiple comparisons of means
## 95% family-wise confidence level
##
## Fit: aov(formula = plotdata$dCT ~ plotdata$Sample)
##
## $'plotdata$Sample'
##      diff      lwr      upr    p adj
## G85R-WT  1.24127716  0.4389287  2.0436256 0.0032059
## RNAi-WT   1.20212755  0.3997791  2.0044760 0.0041005
## RNAi-G85R -0.03914961 -0.8041588  0.7258596 0.9901653

##      Df Sum Sq Mean Sq F value Pr(>F)
## Sample      2  5.272   2.6362   10.58 0.00433 **
## Rep         5  1.345   0.2690    1.08 0.43239
## Residuals    9  2.243   0.2492

## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
## 1 observation deleted due to missingness

## paired_t.test paired_p.val
## 1      G85R-WT  0.002958390
## 2      RNAi-WT  0.003584647
## 3      G85R-RNAi 0.922398725
```

PEPCK-1

