

Supplemental Data Set 3. Code used for Real-time PCR analysis

```
library(pcr)
library(ggplot2)
library(ggpubr)
qpcr=read_excel("C:/Users/chi285/Desktop/Chi/Projects-Publications/VAR-2/qpcr results/Newest.xlsx")
group_var=rep(c("WT","Variegated 1","Albino 1","Albino 2","Variegated 2"),each =6)
pcr_ddct(qpcr,group_var=group_var,reference_gene="ACT7", reference_group="WT", plot=TRUE)+
  theme_classic()+ylab("Relative expression")+
theme(axis.title.y = element_text(size=18, color="black", face="bold"),axis.title.x=element_blank(),
axis.text.x = element_text(size=18, face="bold",color="black", angle=65, vjust=0.5, hjust=0.5))

pcr_test(qpcr,group_var=group_var, reference_gene="ACT7", reference_group="WT", test="lm")
```