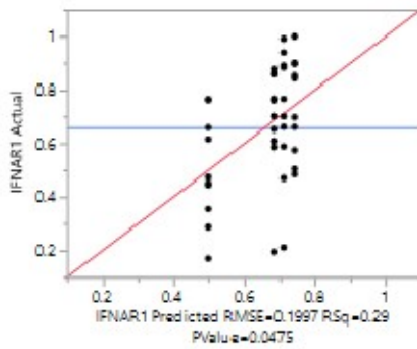


Supplementary file 2

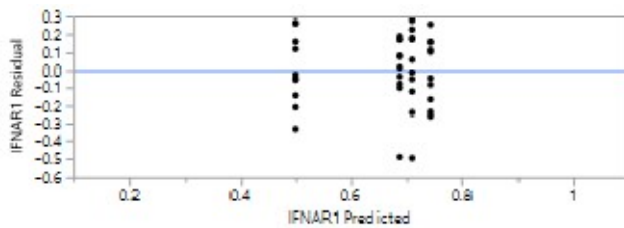
Diagnostic plots for ANOVA with linear mixed effect model

1. IFNAR1

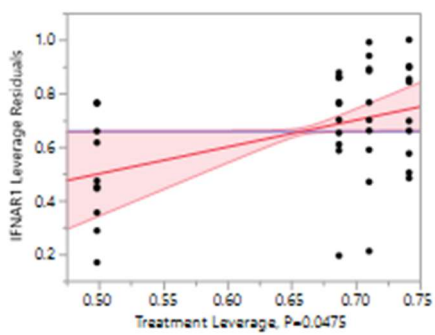
1.1. Observed by predicted plot



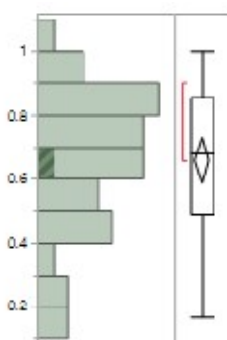
1.2. Residual by predicted plot



1.3. Treatment plot

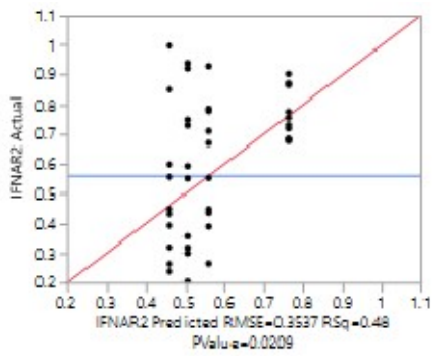


1.4. Histogram

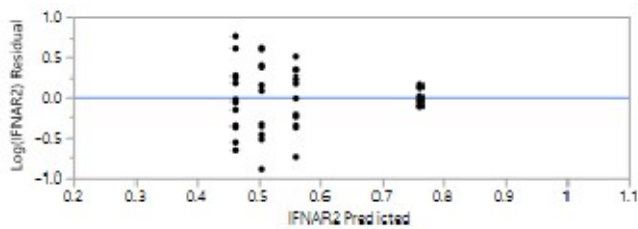


2. IFNAR2

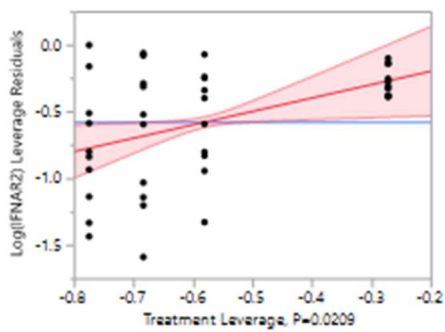
2.1. Observed by predicted plot



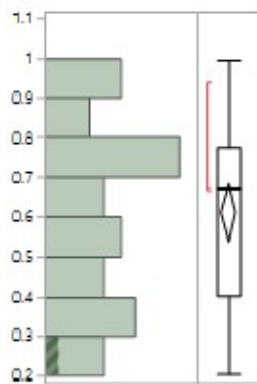
2.2. Residual by predicted plot



2.3. Treatment leverage plot

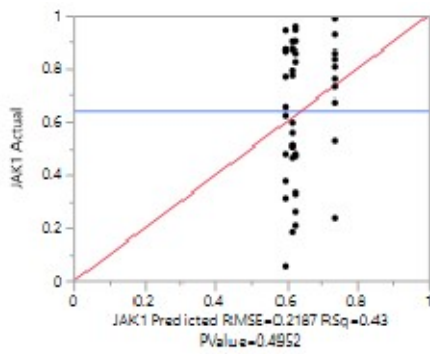


2.4. Histogram

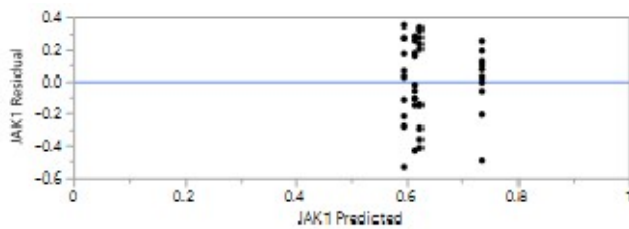


3. JAK1

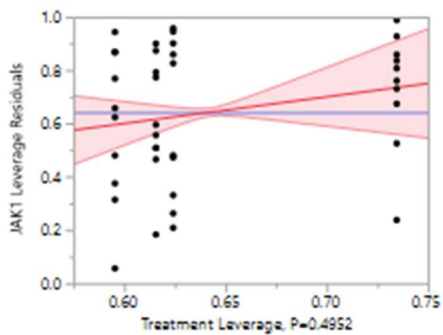
3.1. Observed by predicted plot



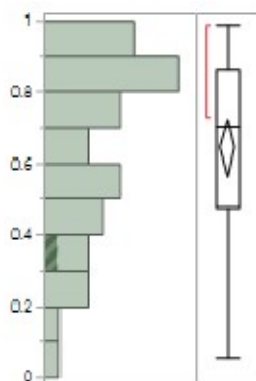
3.2. Residual by predicted plot



3.3. Treatment leverage plot

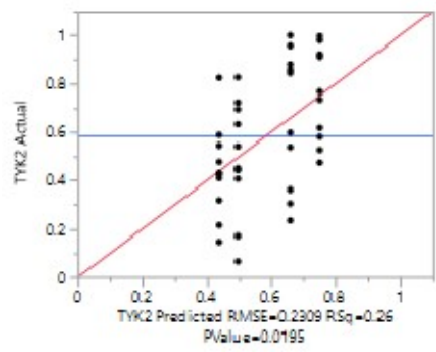


3.4. Histogram

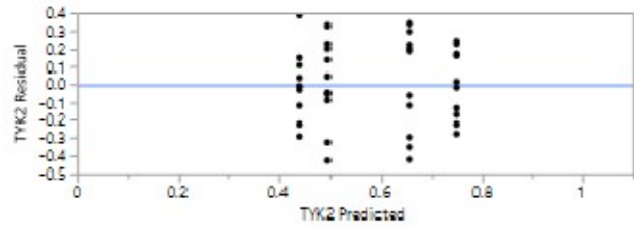


4. TYK2

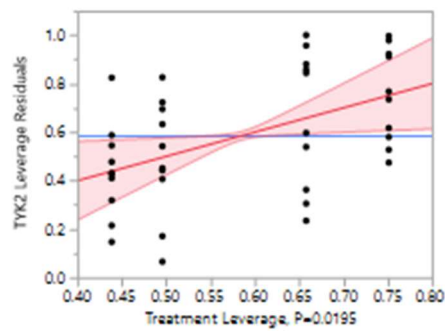
4.1. Observed by predicted plot



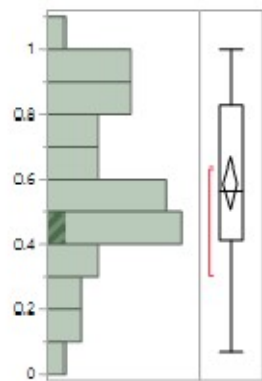
4.2. Residual by predicted plot



4.3. Treatment leverage plot

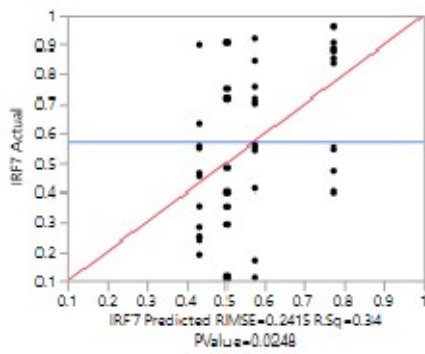


4.4. Histogram

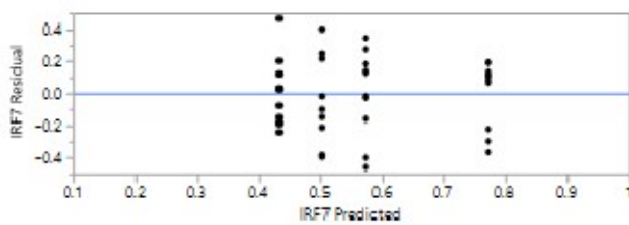


5. IRF7

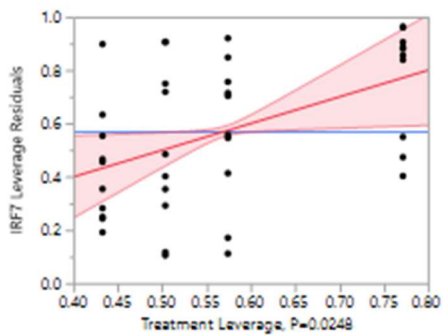
5.1. Observed by predicted plot



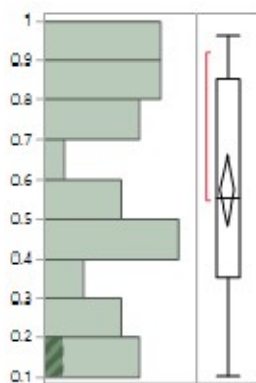
5.2. Residual by predicted plot



5.3. Treatment leverage plot

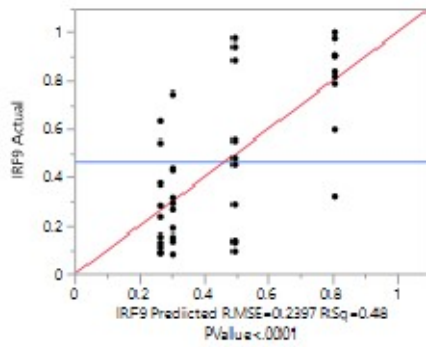


5.4. Histogram

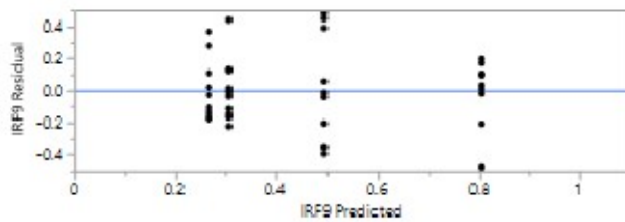


6. IRF9

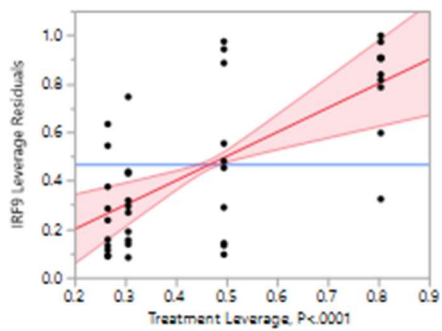
6.1. Observed by predicted plot



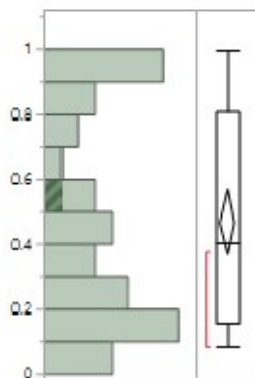
6.2. Residual by predicted plot



6.3. Treatment leverage plot

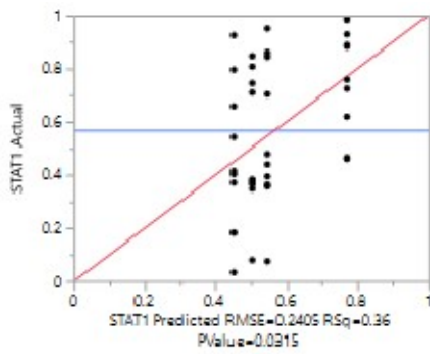


6.4. Histogram

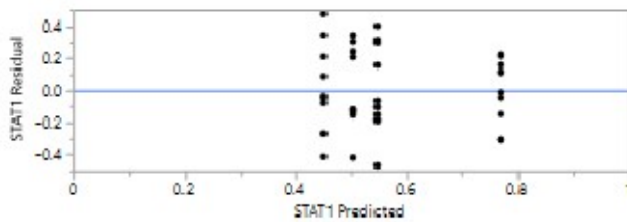


7. STAT1

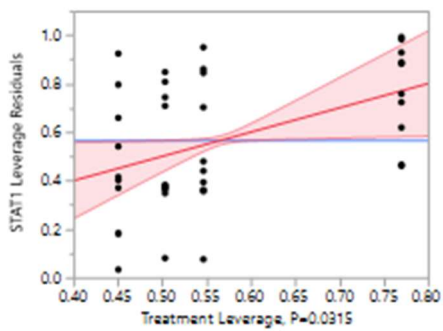
7.1. Observed by predicted plot



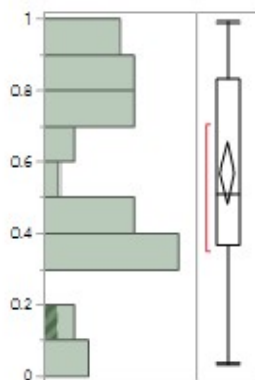
7.2. Residual by predicted plot



7.3. Treatment leverage plot

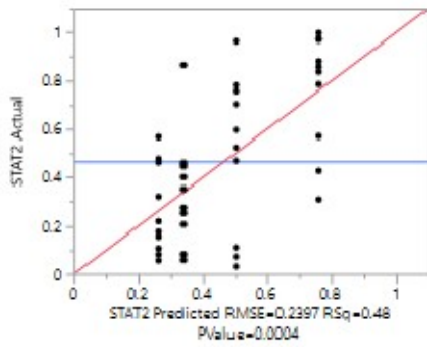


7.4. Histogram

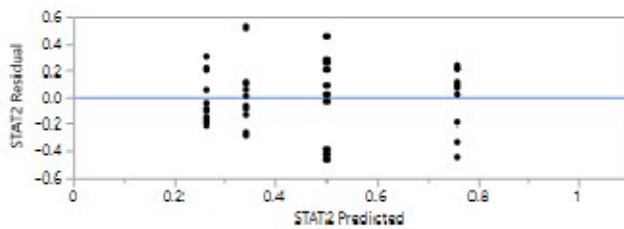


8. STAT2

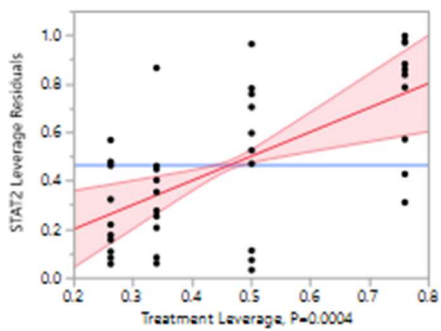
8.1. Observed by predicted plot



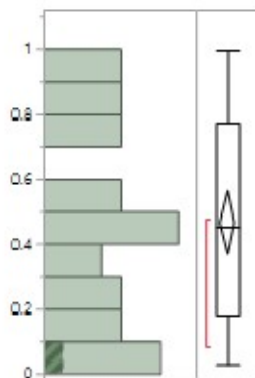
8.2. Residual by predicted plot



8.3. Treatment leverage plot

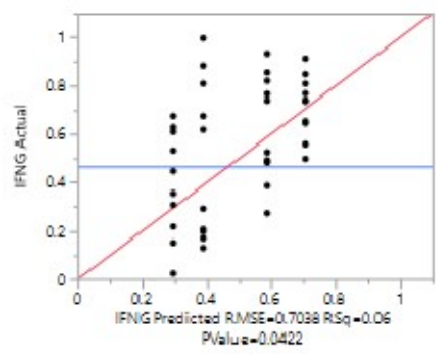


8.4. Histogram

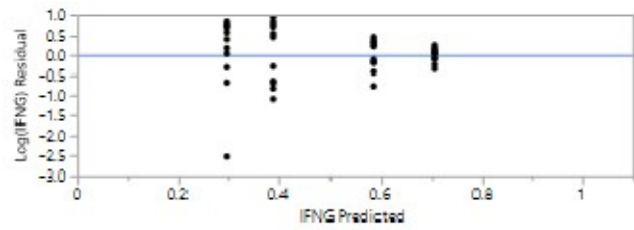


9. IFNG

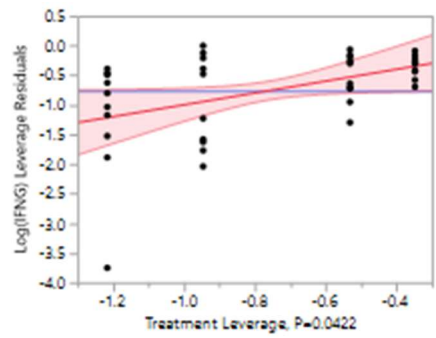
9.1. Observed by predicted plot



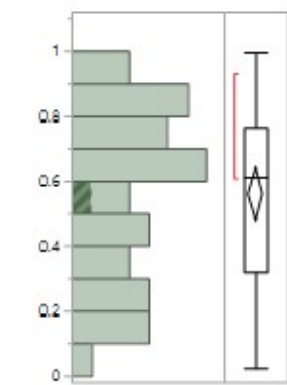
9.2. Residual by predicted plot



9.3. Treatment leverage plot

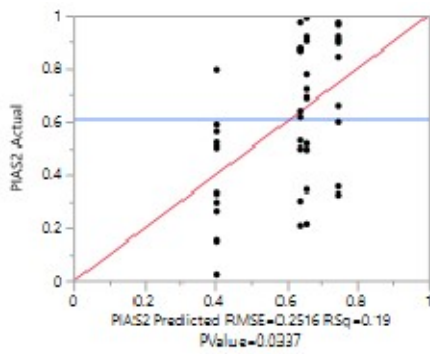


9.4. Histogram

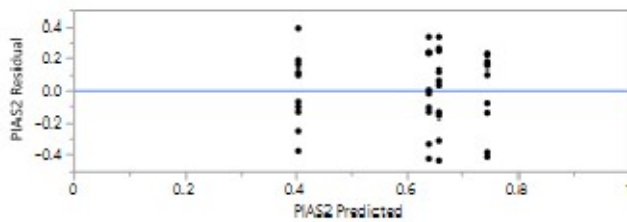


10. PIAS2

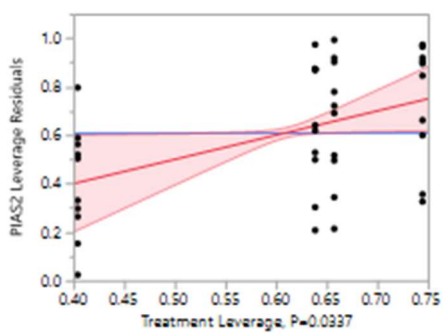
10.1. Observed by predicted plot



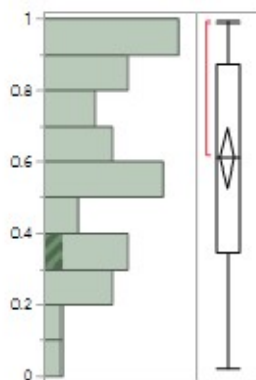
10.2. Residual by predicted plot



10.3. Treatment leverage plot

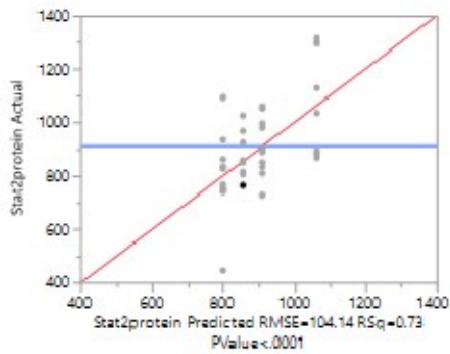


10.4. Histogram

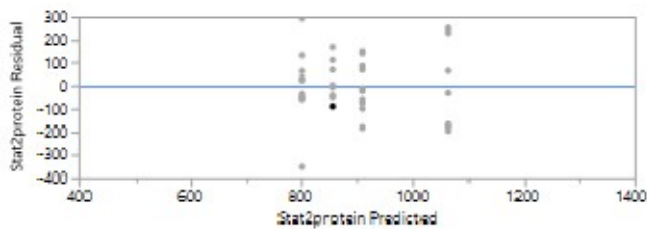


11. STAT2 Protein

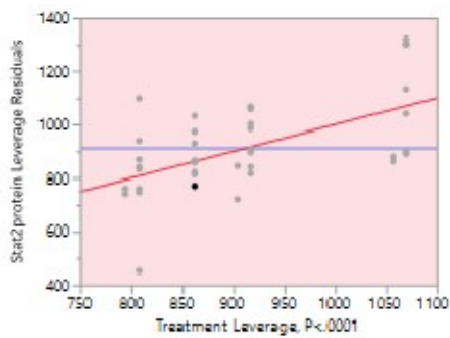
11.1. Observed by predicted plot



11.2. Residual by predicted plot



11.3. Treatment leverage plot



11.4. Histogram

