

## Figure S3

### Inhibitory copulation effect of vibrational rival female signals of three stink bug species as a tool for mating disruption

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Matheus Lorrán Figueira Coelho, Andrej Čokl, Raul Alberto Laumann

#### *Boxplot of variables*

#### *Models diagnosis*

#### *Abbreviations used in the figures legends*

*eh* = *Euschistus heros*

*cu* = *Chinavia ubica*

*ci* = *Chinavia impicticornis*

*TRAT* = *treatment*

*C* = *control*

*T* = *treatment*

*FC* = *female control*

*FT* = *female treatment*

*MT* = *male treatment*

*FS1* = *female song 1*

*FS2* = *female song 2*

*MS1* = *male song 1*

*MS2* = *male song 2*

*DP* = *pulse duration*

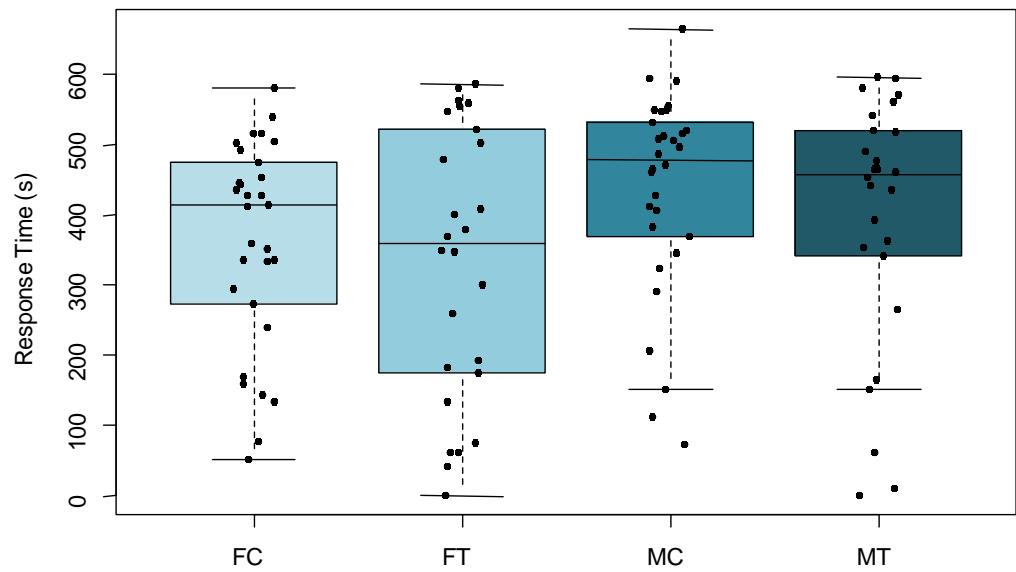
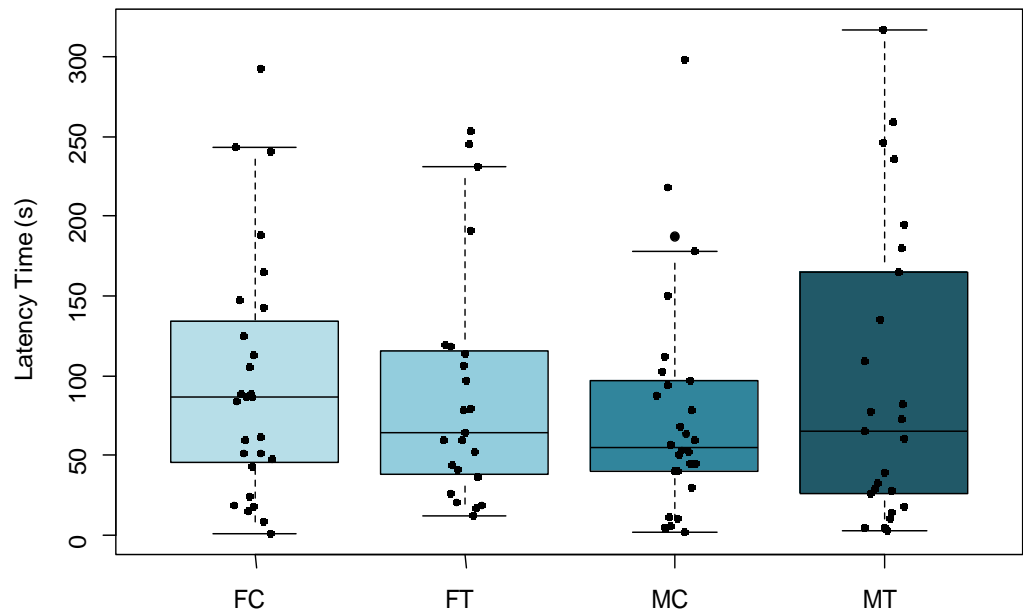
*TR* = *repetition time*

*FD* or *DF* = *dominant frequency*

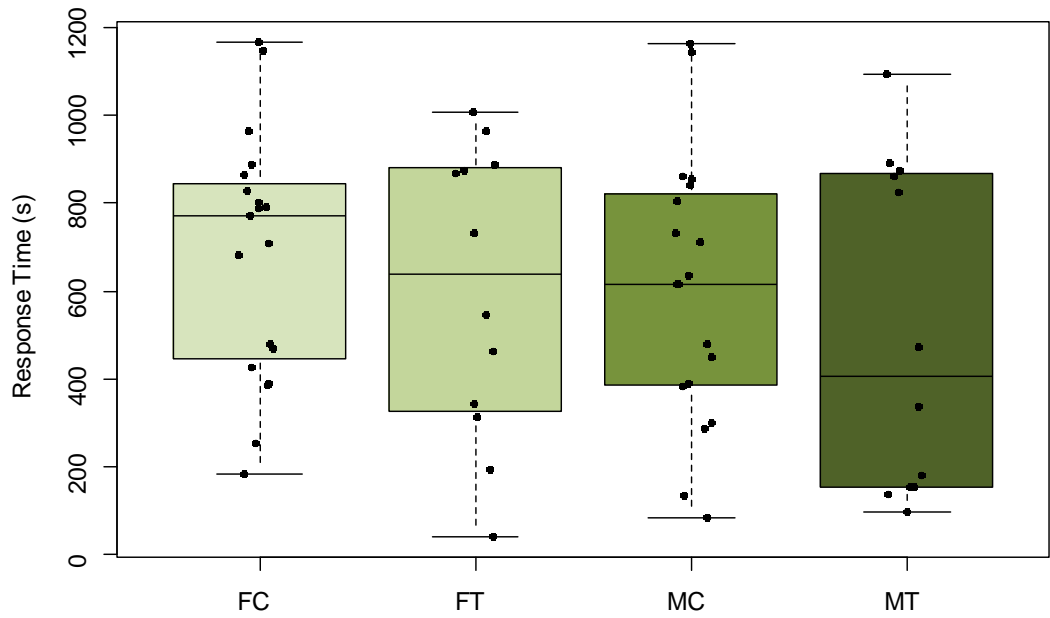
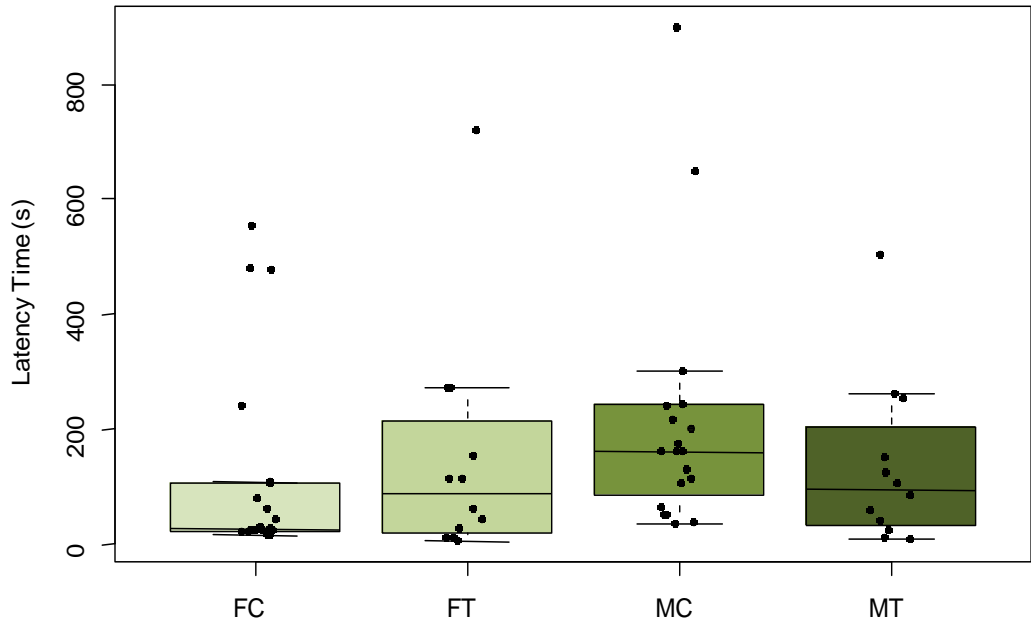
*PTD* = *pulse train duration*

*PTRT* = *pulse train repetition time*

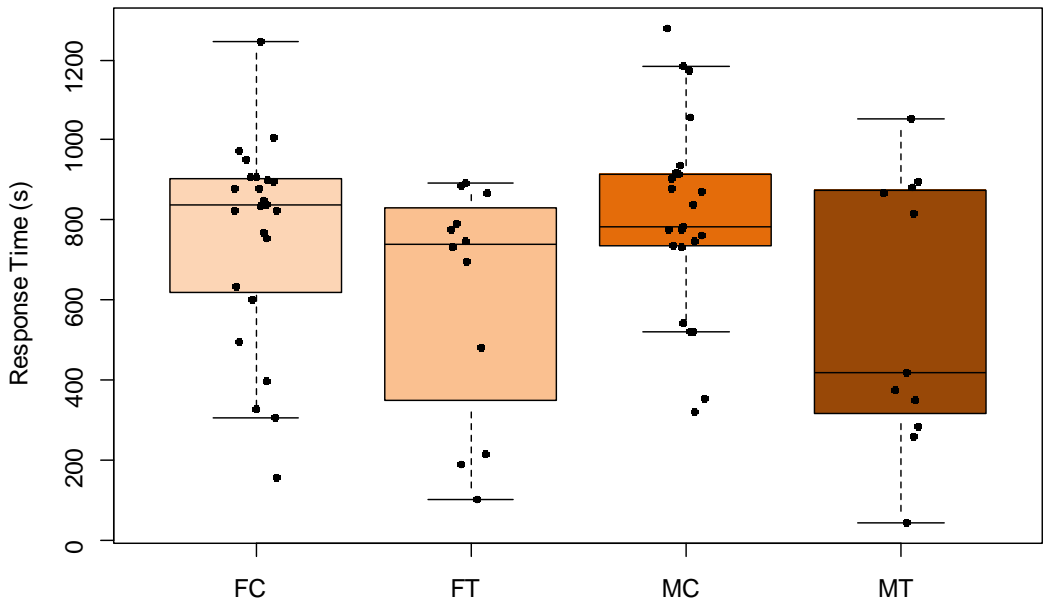
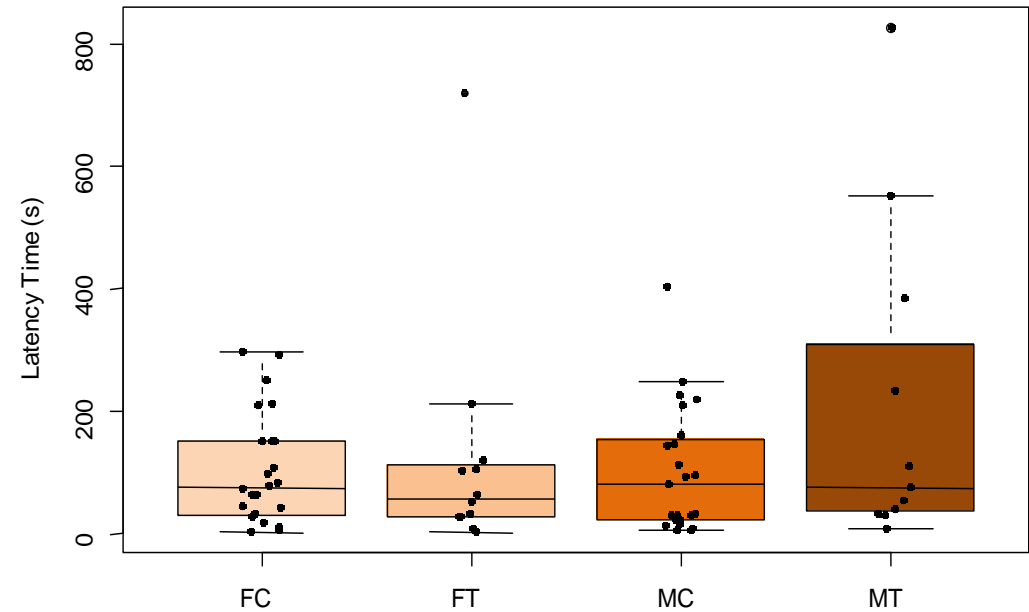
*Euschistus heros*



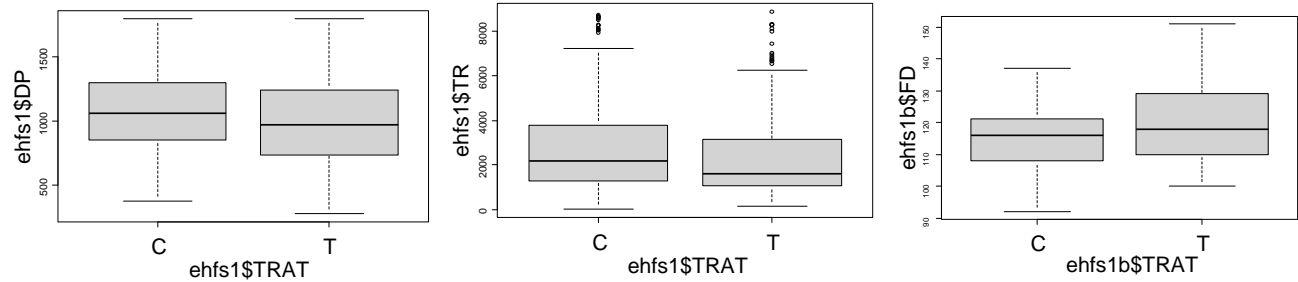
*Chinavia ubica*



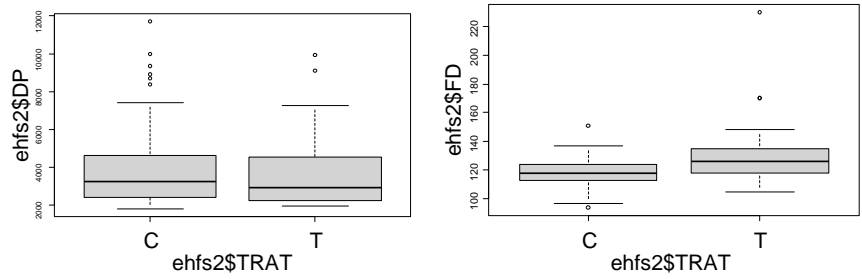
*Chinavia impicticornis*



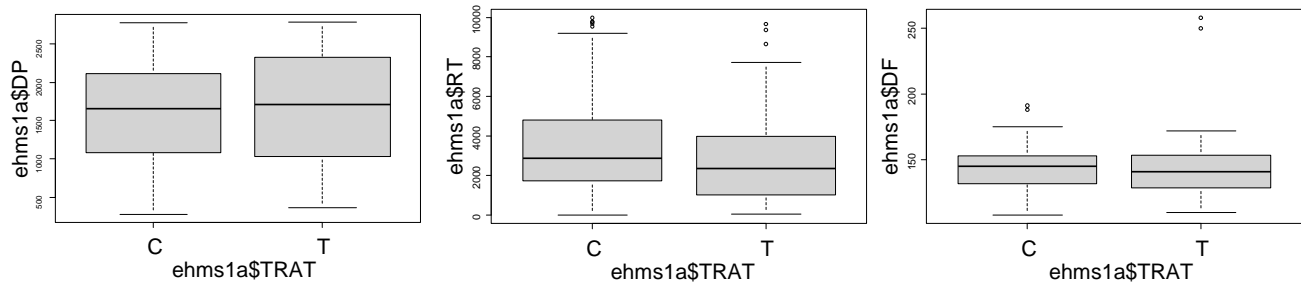
# Euschistus heros FS-1



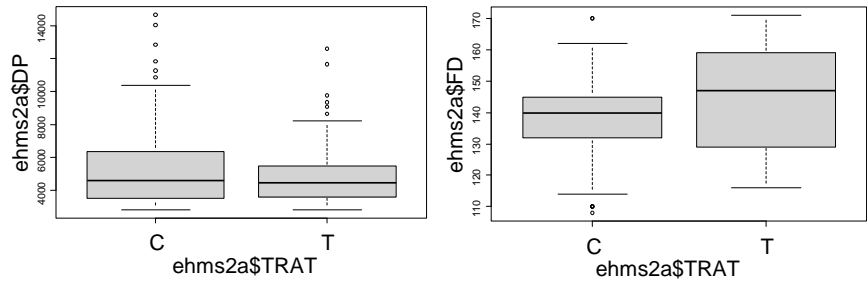
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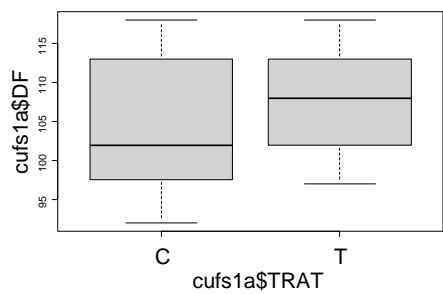
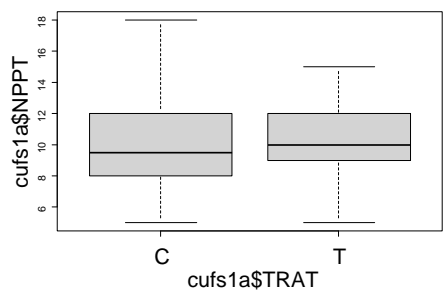
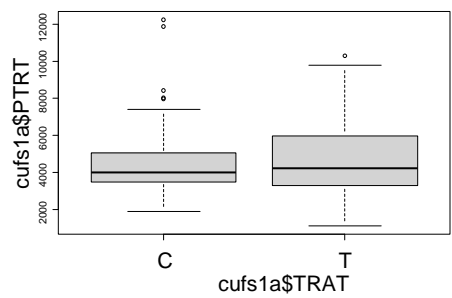
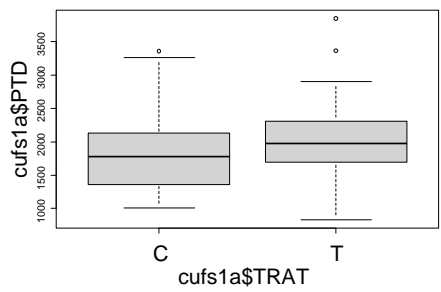
# Euschistus heros MS-1



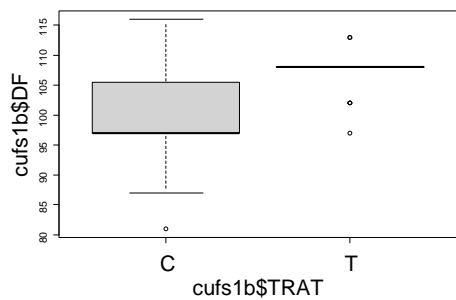
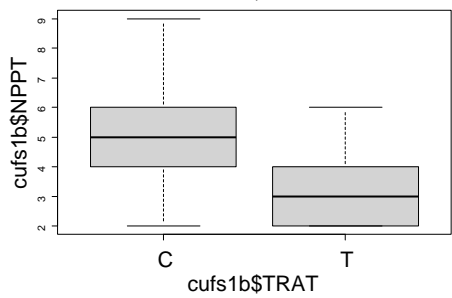
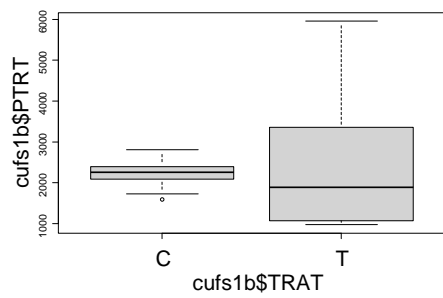
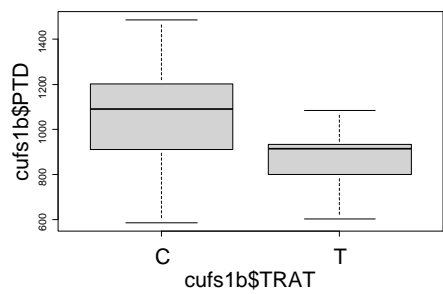
# Euschistus heros MS-2



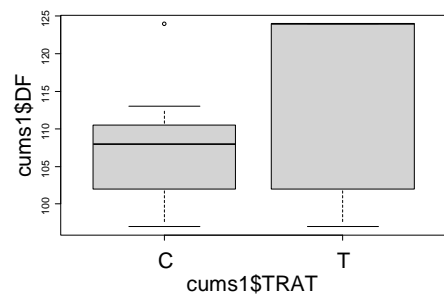
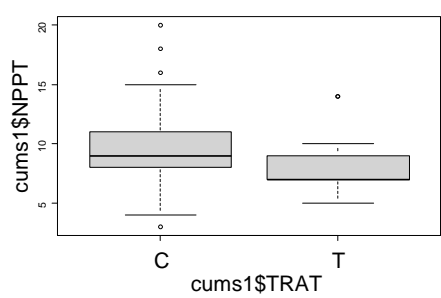
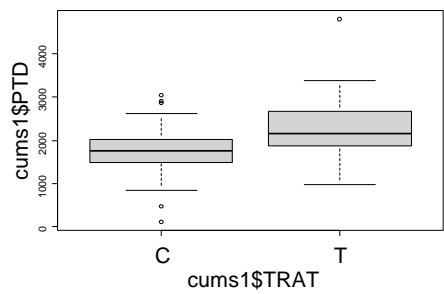
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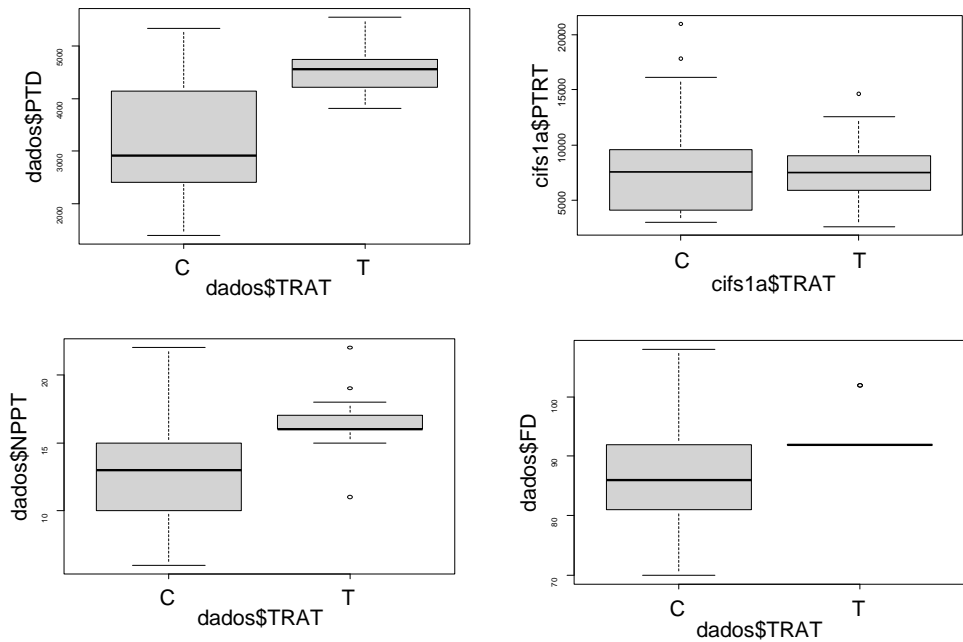
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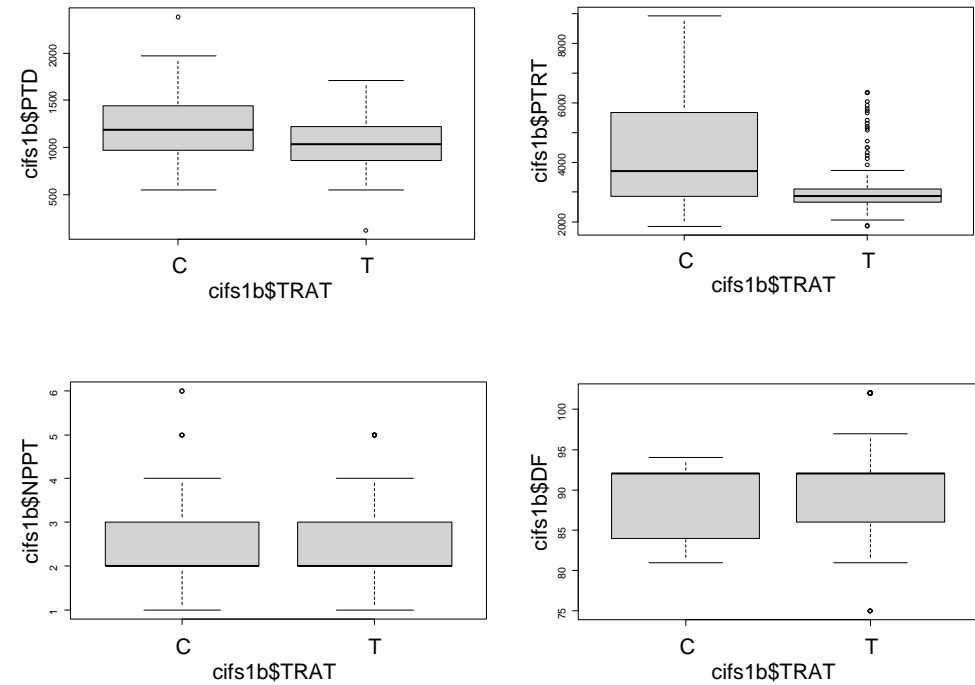
# Chinavia ubica MS-1



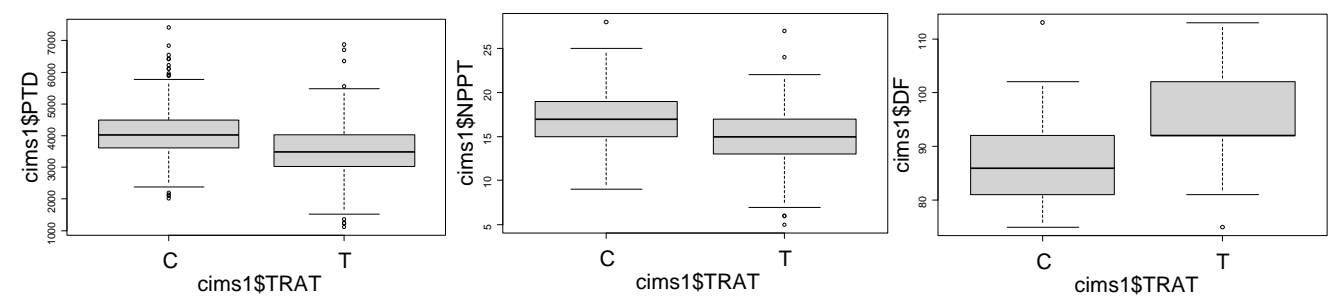
# Chinavia impicticornis FS-1a



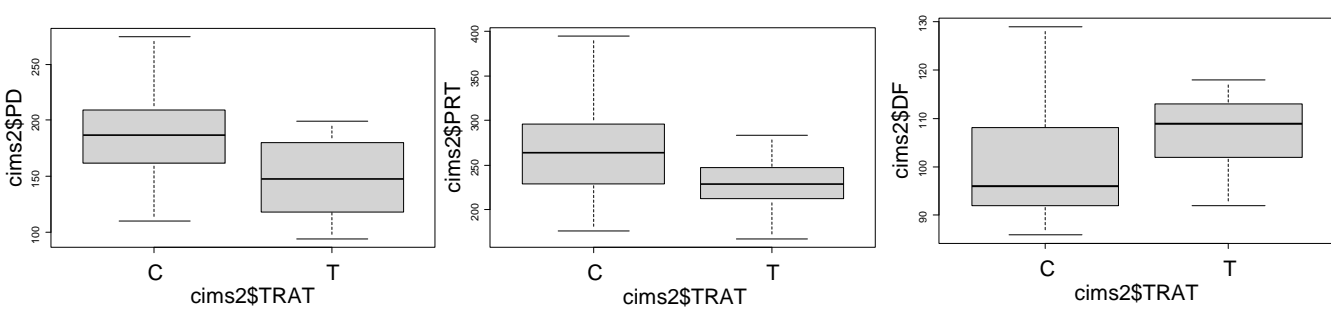
# Chinavia impicticornis FS-1b



# Chinavia impicticornis MS-1



# Chinavia impicticornis MS-2

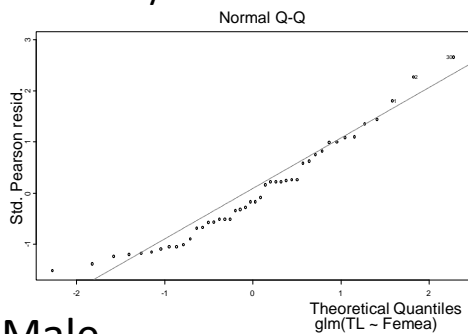




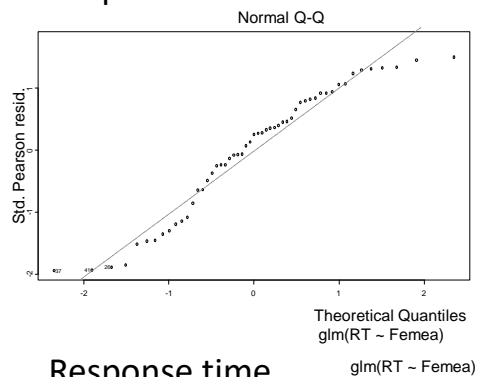
Eushcitus heros

Female

Latency

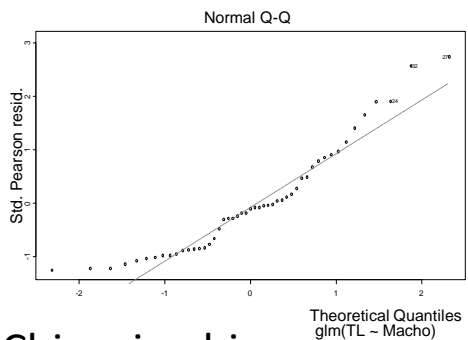


Response time

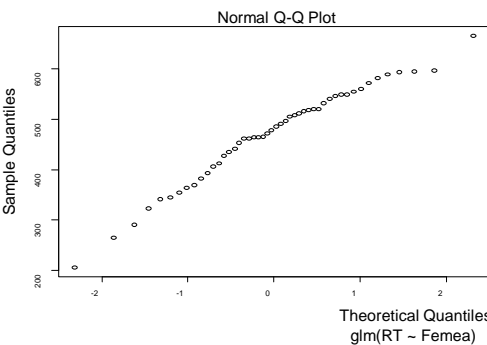


Male

Latency



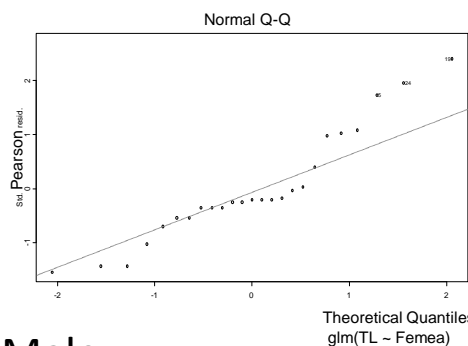
Response time



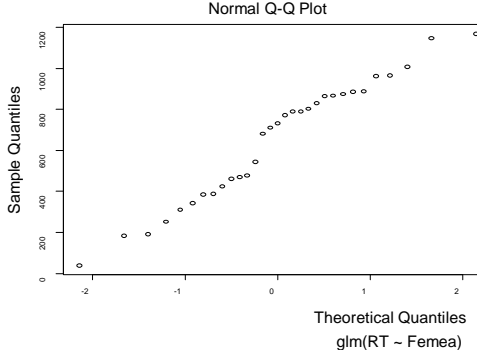
Chinavia ubica

Female

Latency

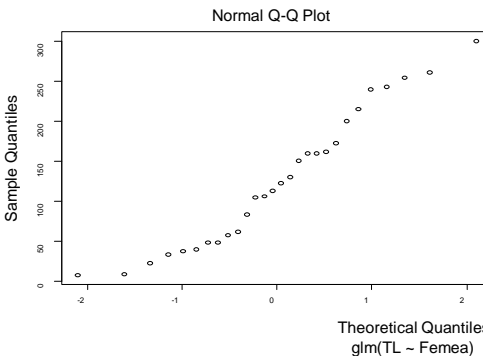


Response time

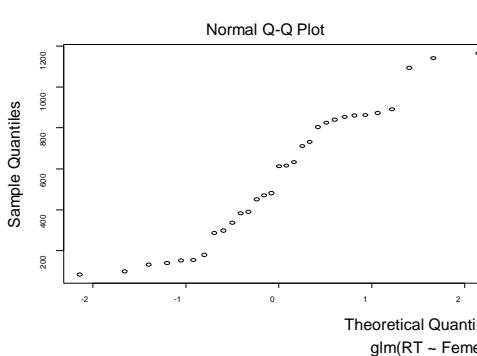


Male

Latency



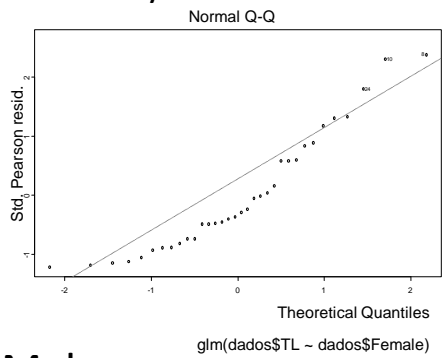
Response time



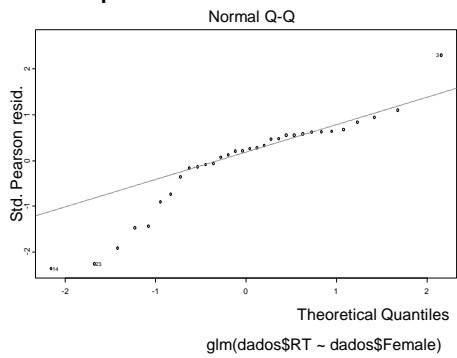
# Chinavia impicticornis

## Female

### Latency

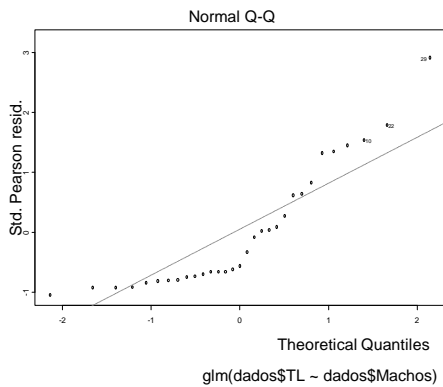


### Response time

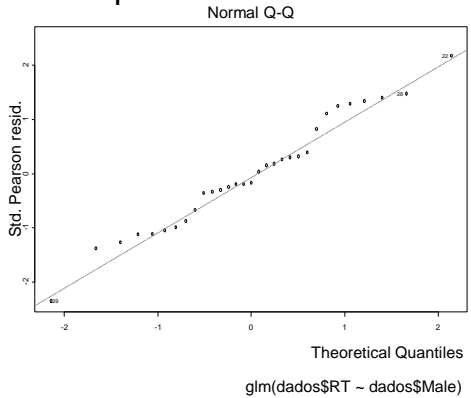


## Male

### Latency

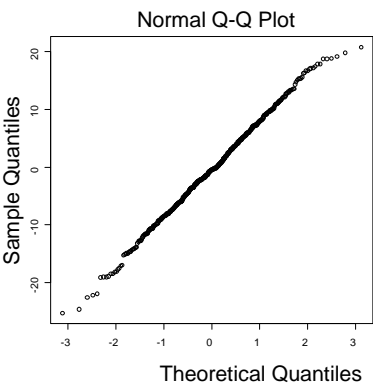
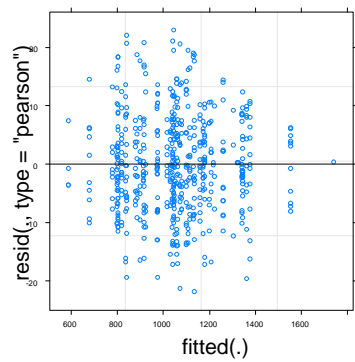


### Response time

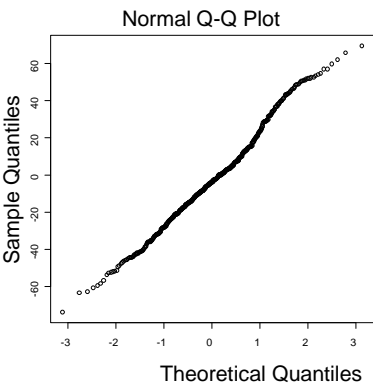
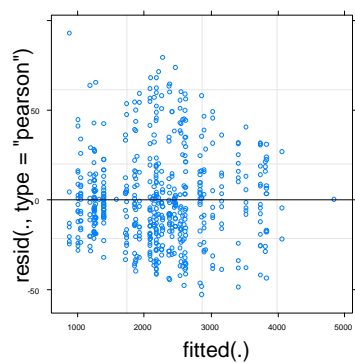


*Euschsitus heros* – FS-1

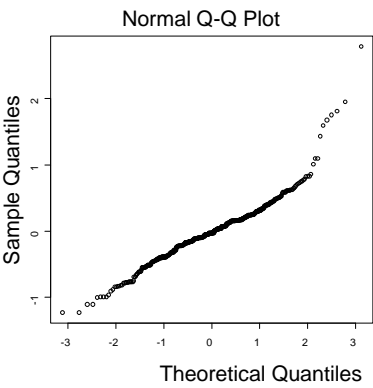
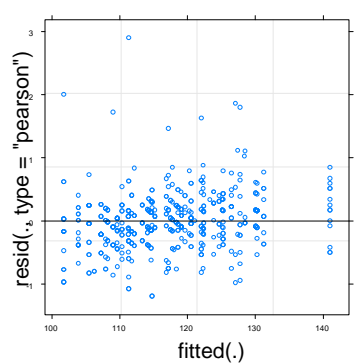
Pulse duration



Repetition time

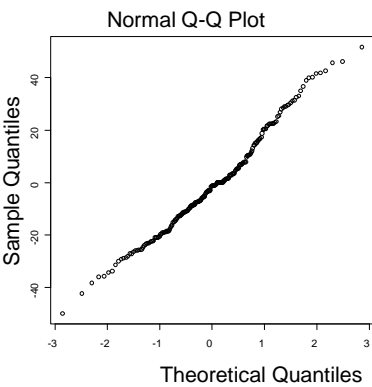
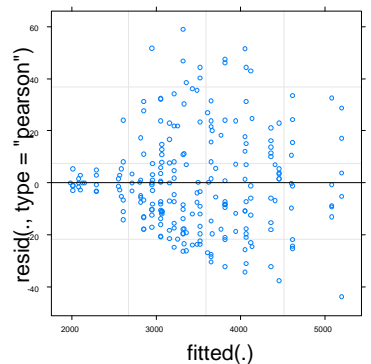


Dominant Frequency

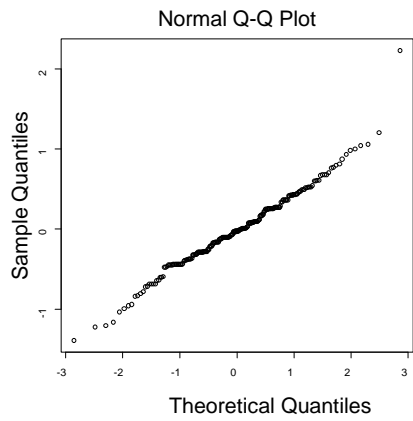
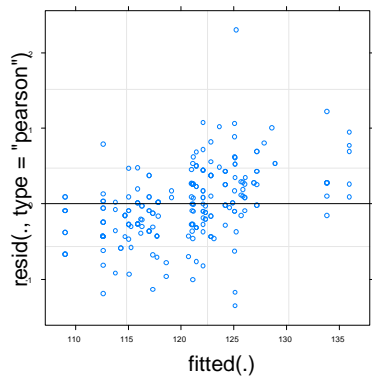


*Euschsitus heros* – FS-2

Pulse duration

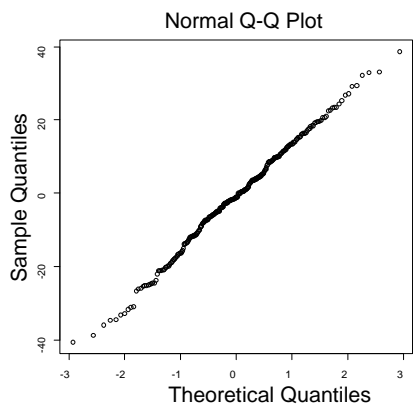
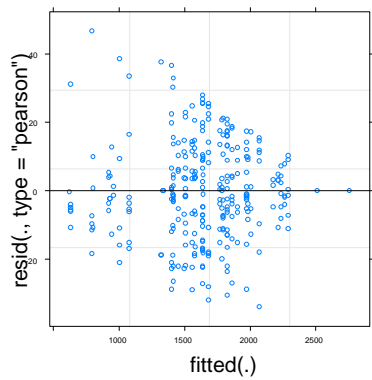


Dominant Frequency

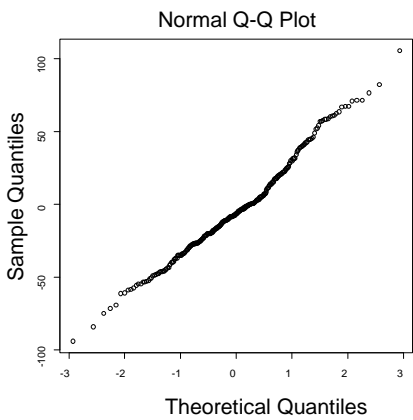
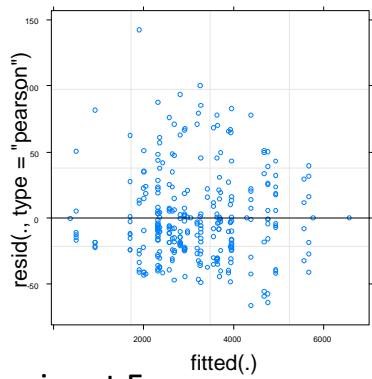


*Euschsitus heros* – MS-1

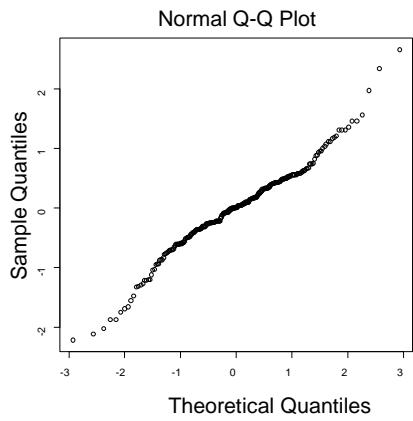
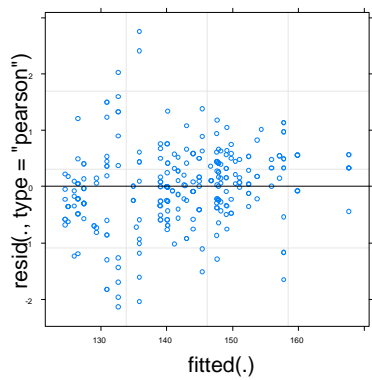
Pulse duration



Repetition time

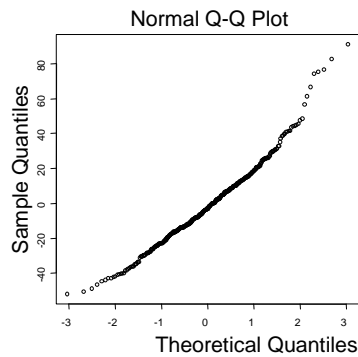
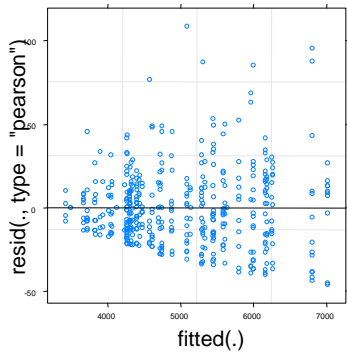


Dominant Frequency

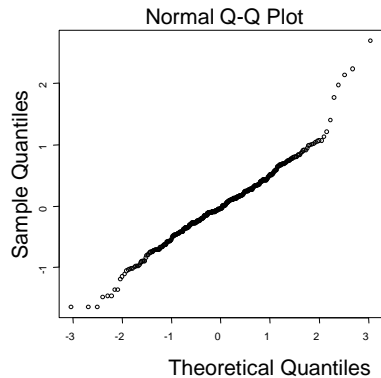
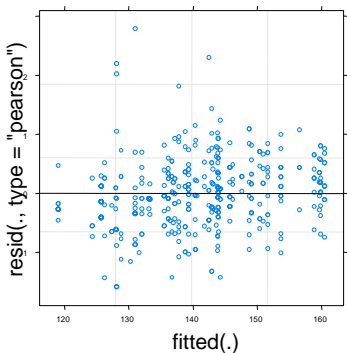


*Euschsitus heros* – MS-2

PD

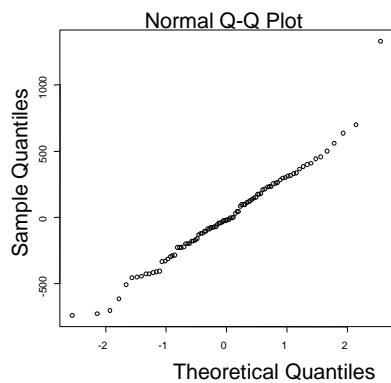
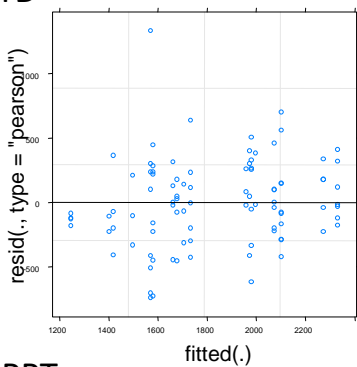


DF

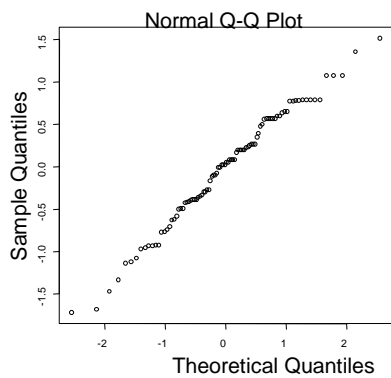
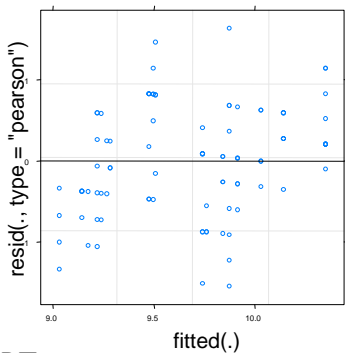


*Chinavia ubica* – FS-1a

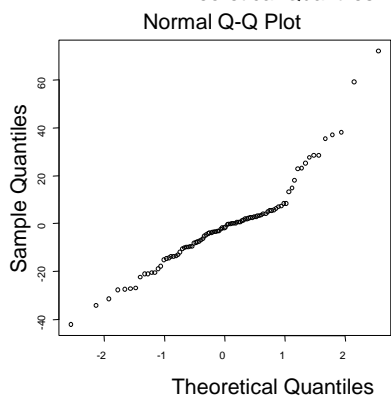
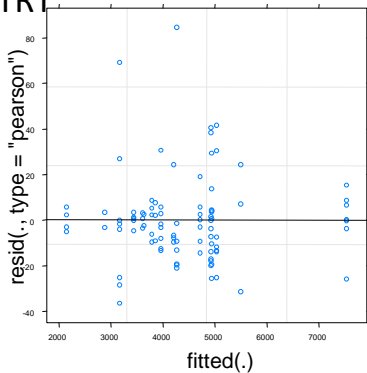
PTD



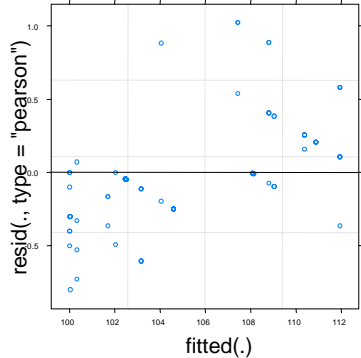
NPPT



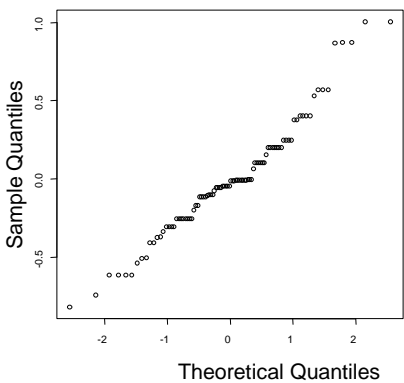
PTRT



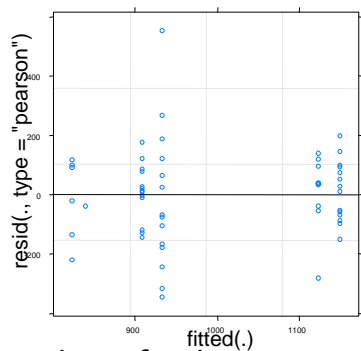
Dominant Frequency



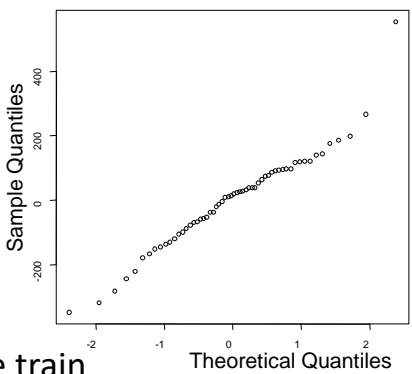
Normal Q-Q Plot



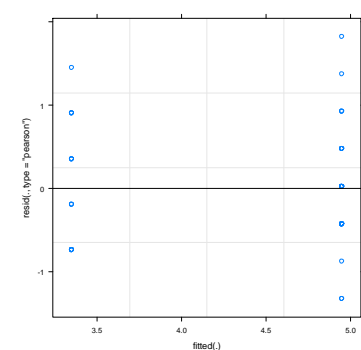
*Chinavia ubica* – FS-1b  
Pulse train duration



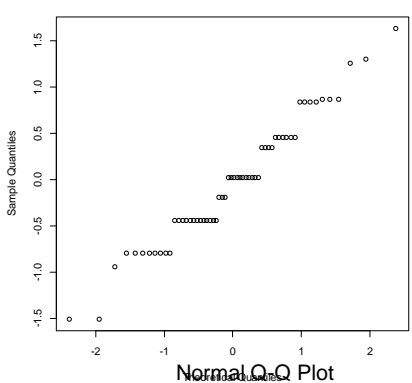
Normal Q-Q Plot



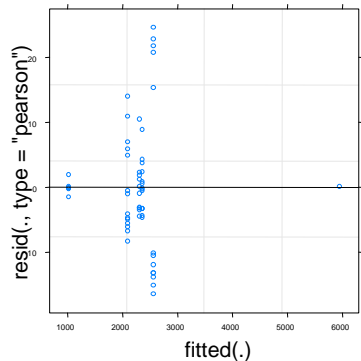
Number of pulses per pulse train



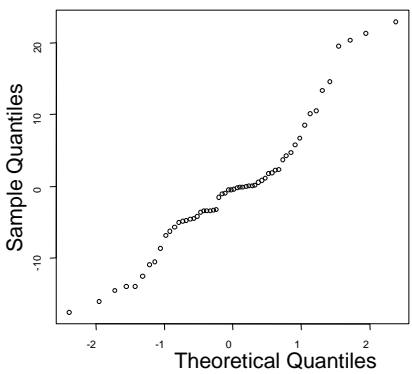
Normal Q-Q Plot



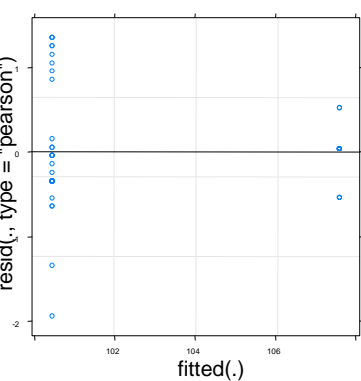
Pulse train repetition time



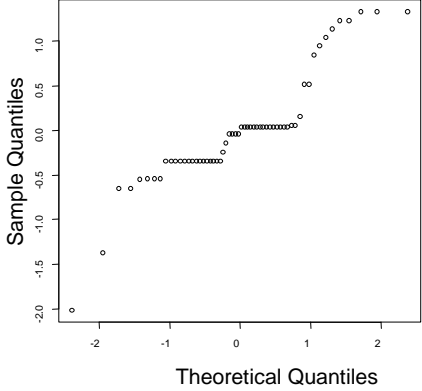
Normal Q-Q Plot



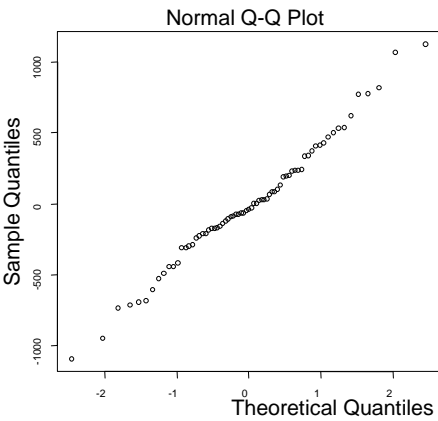
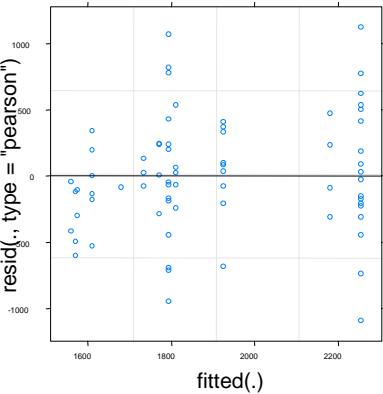
Dominant Frequency



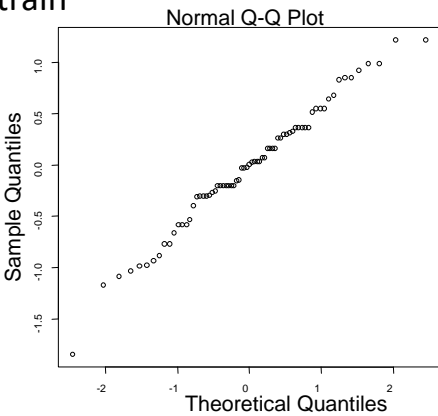
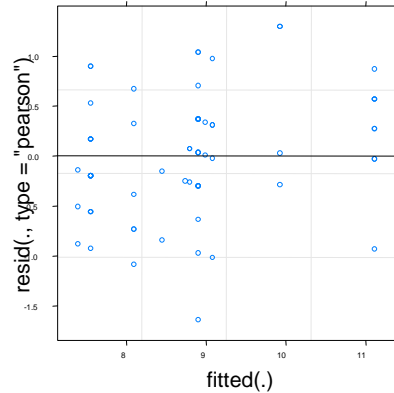
Normal Q-Q Plot



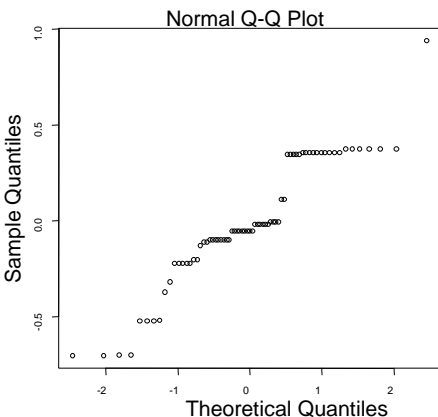
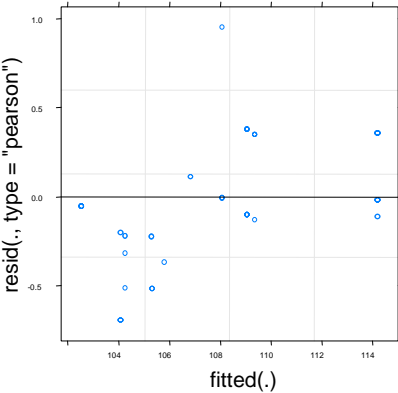
*Chinavia ubica* – MS-1  
Pulse train duration



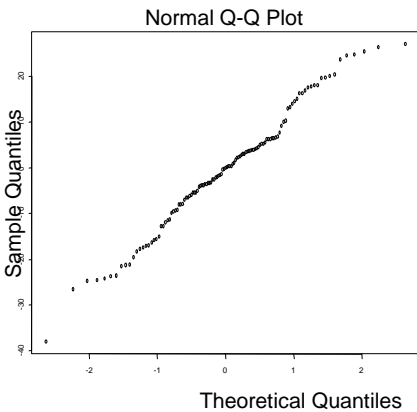
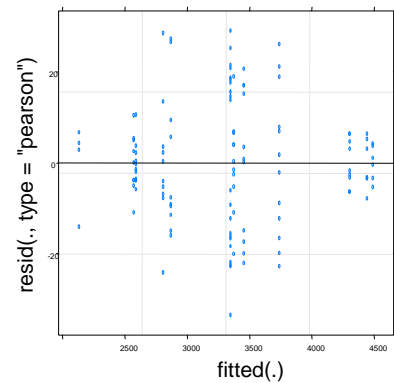
Number of pulses per pulse train



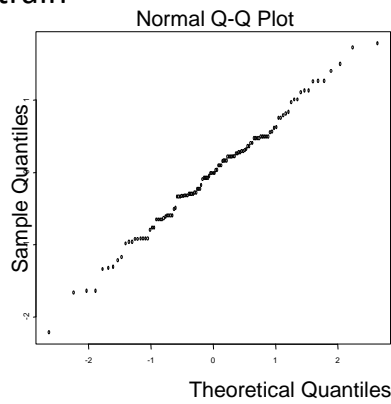
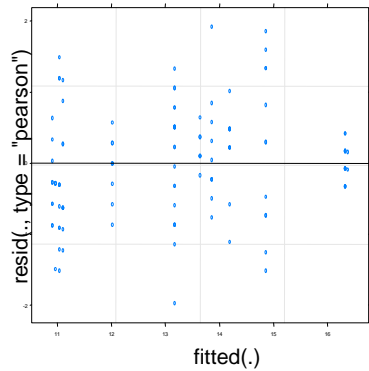
Dominant Frequency



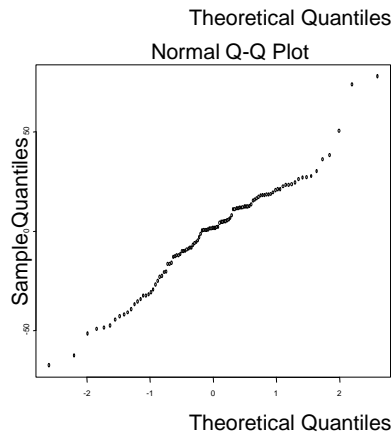
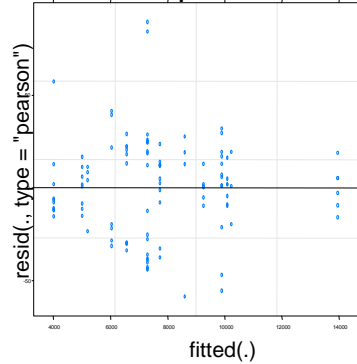
*Chinavia impicticornis* FS-1a  
Pulse train duration



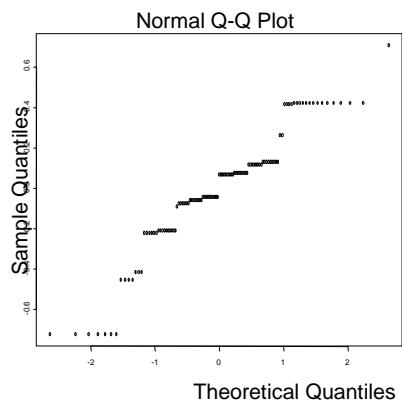
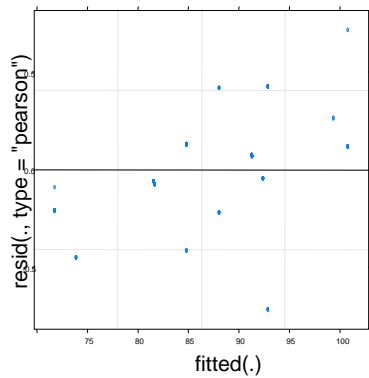
Number of pulses per pulse train



Pulse train repetition time

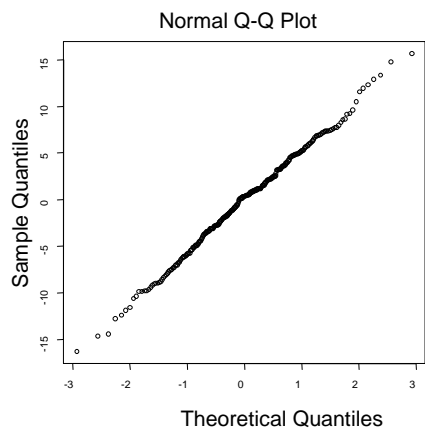
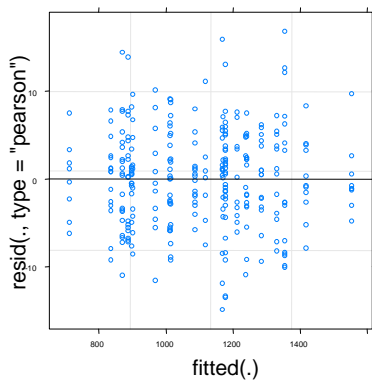


Dominant Frequency



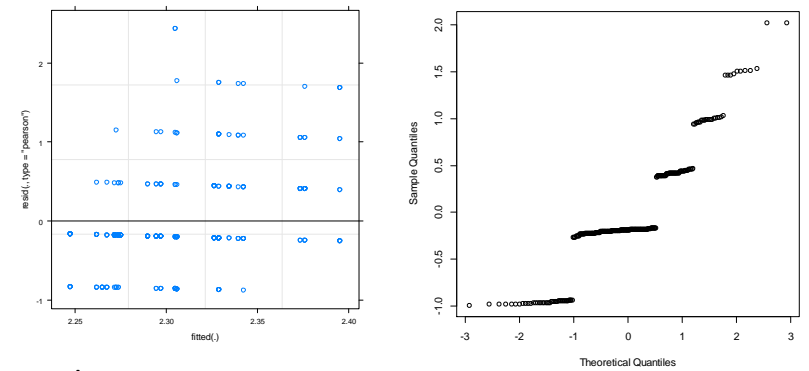
*Chinavia impicticornis* FS-1b

Pulse train duration

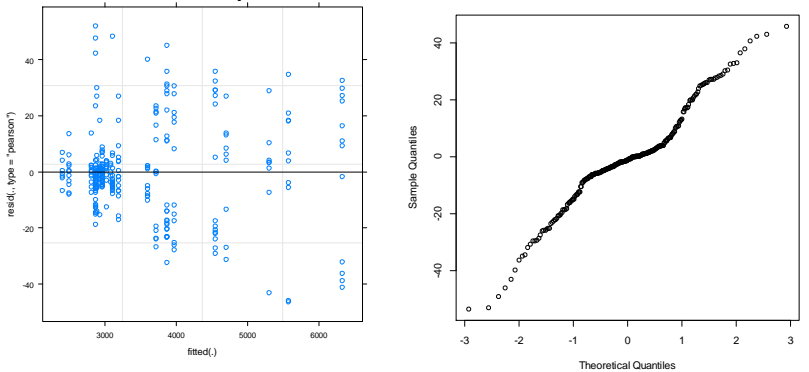




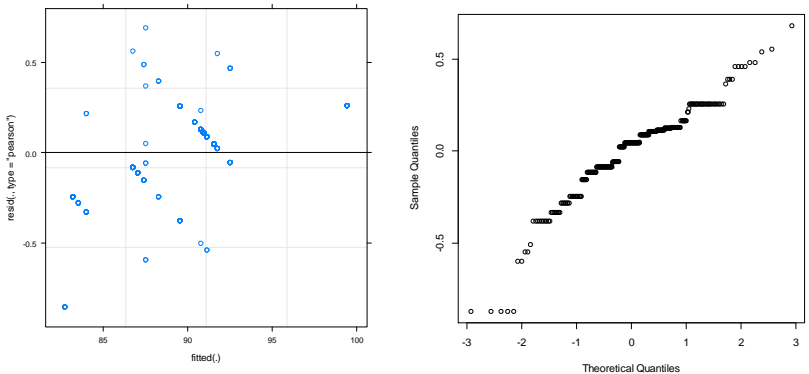
# Number of pulses per pulse train



# Pulse train repetition time

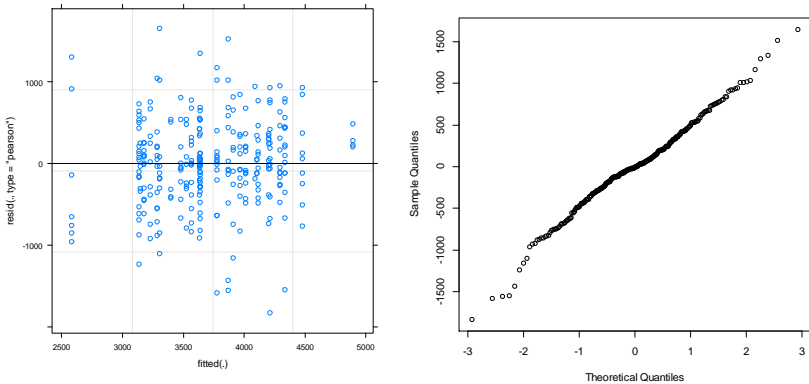


# Dominant Frequency

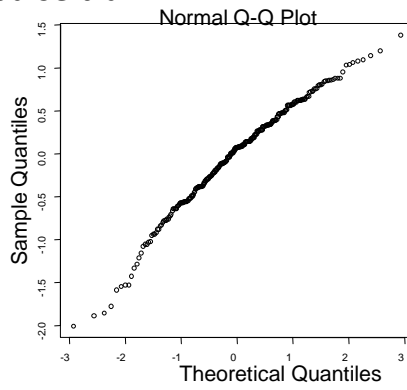
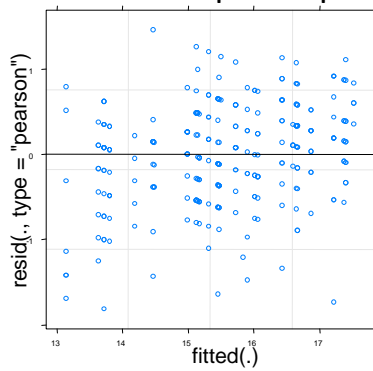


# Chinavia impicticornis MS-1

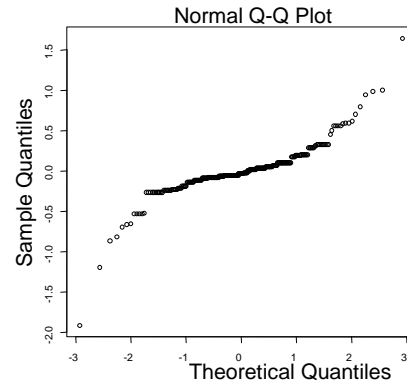
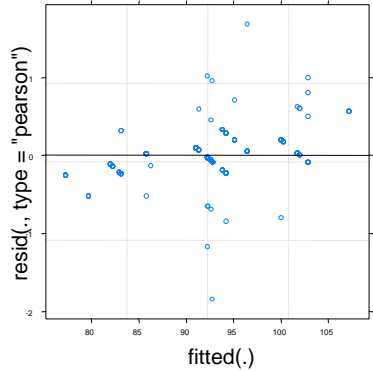
## Pulse train duration



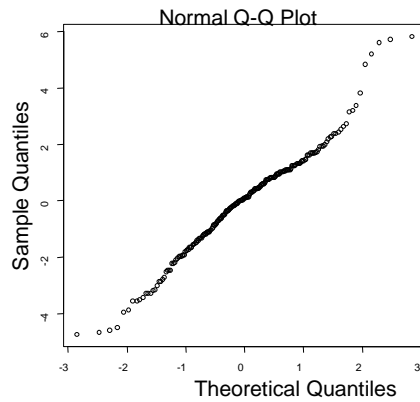
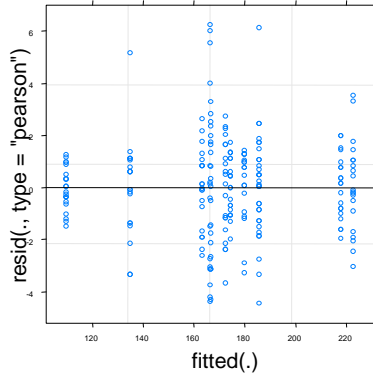
## Number of pulses per pulse train



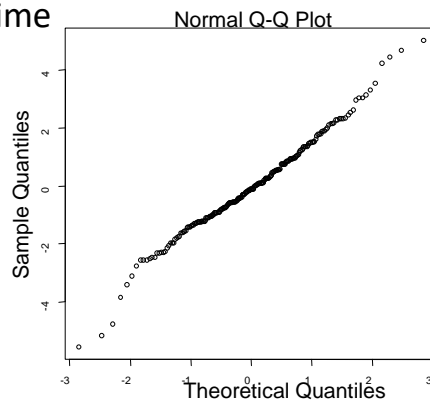
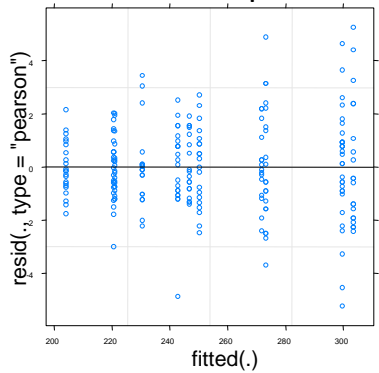
## Dominant Frequency



## *Chinavia impicticrnis* MS-2 Pulse duration



## Pulse train repetition time



## Dominant Frequency

