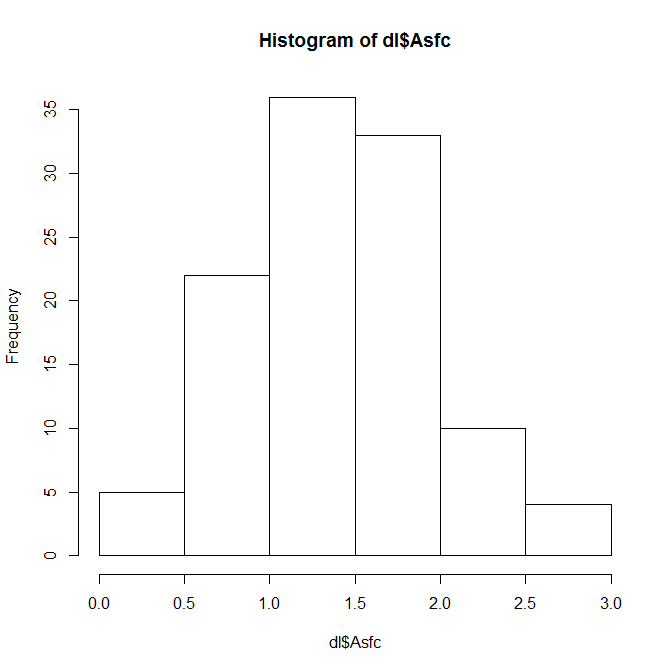
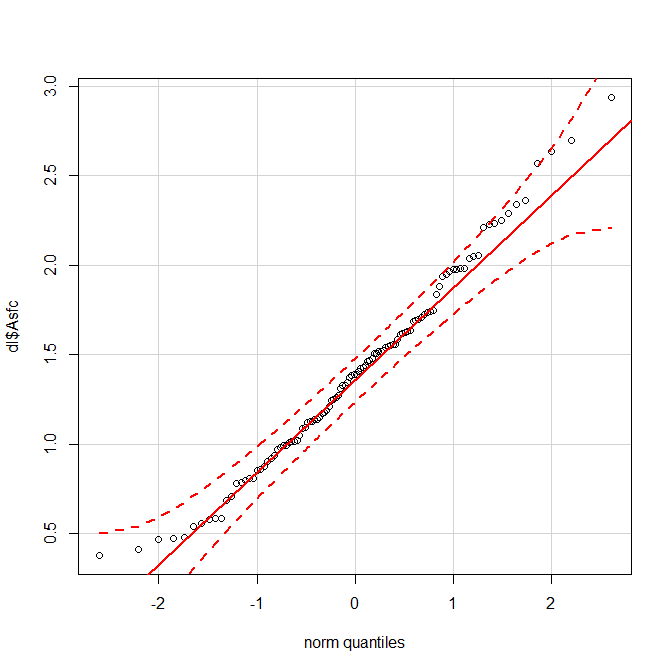
**Supplementary Information 1: Normality of datasets.**

This document contains histograms and quantile-quantile plots for each dataset analysed in chapter 4. For each dataset the raw data are shown first before the transformed data (where applicable). Datasets included are each individual species dataset, before the full dataset where all taxa were combined. Normality was considered to have been achieved when a bell-shaped histogram and an approximately linear q-q plot was achieved. Where necessary box-cox log-likelihood plots have also been included to refine power transformations.

***Dendrolagus lumholtzi***

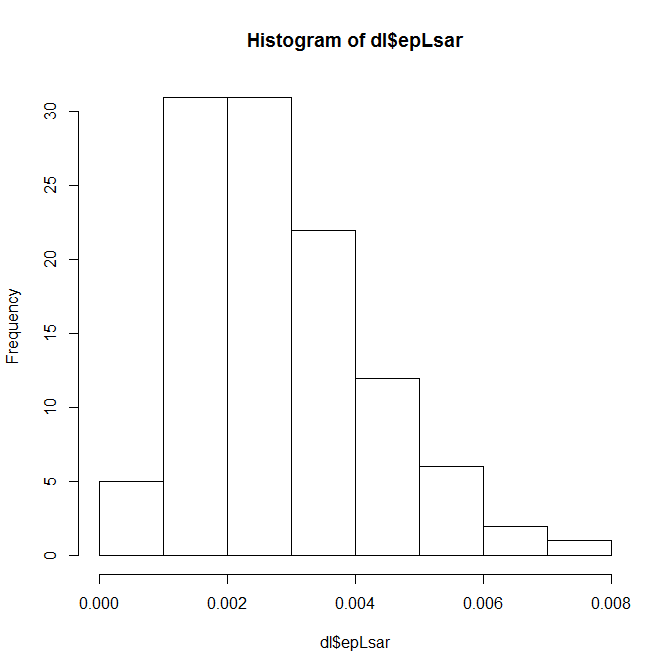
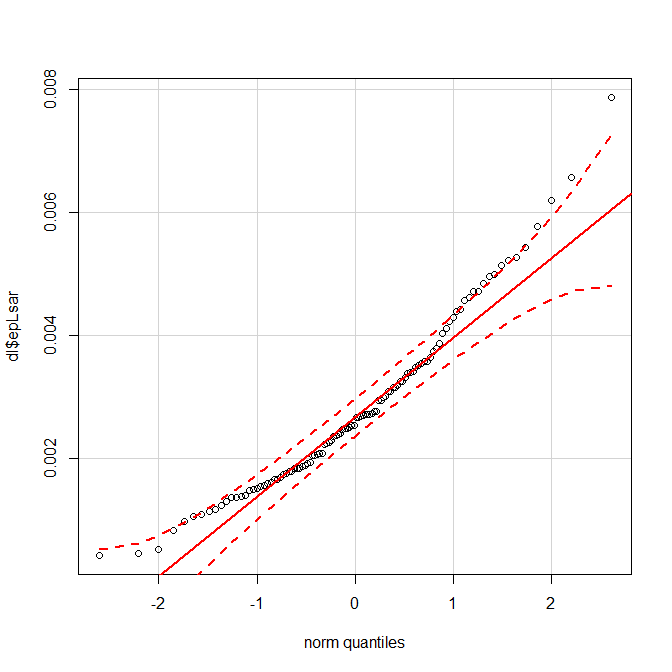
*Asfc*

Raw

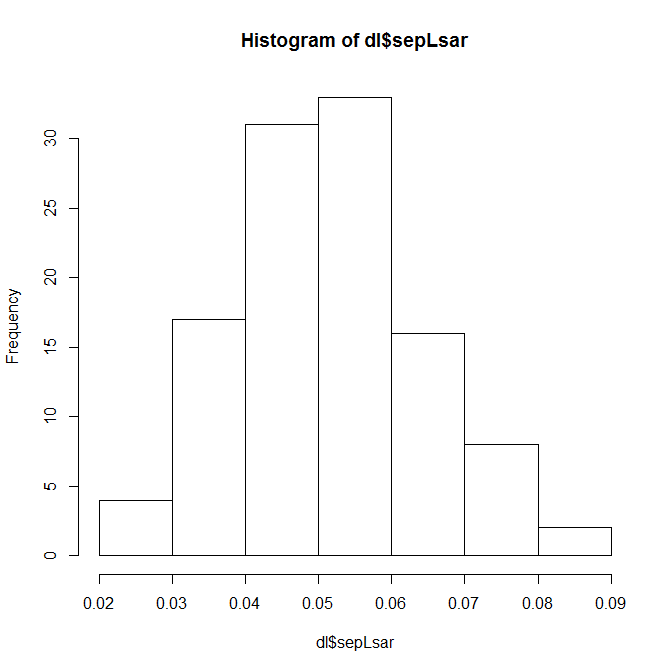
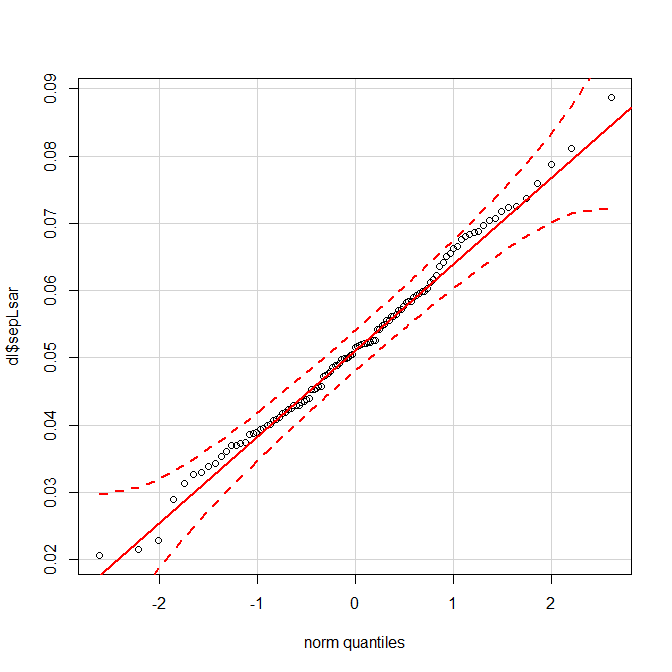
   
No transformation needed.

*epLsar*

Raw

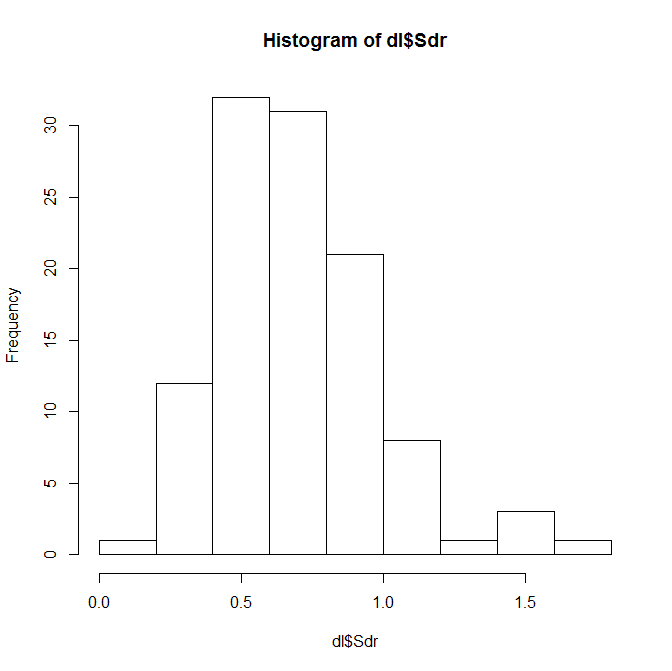
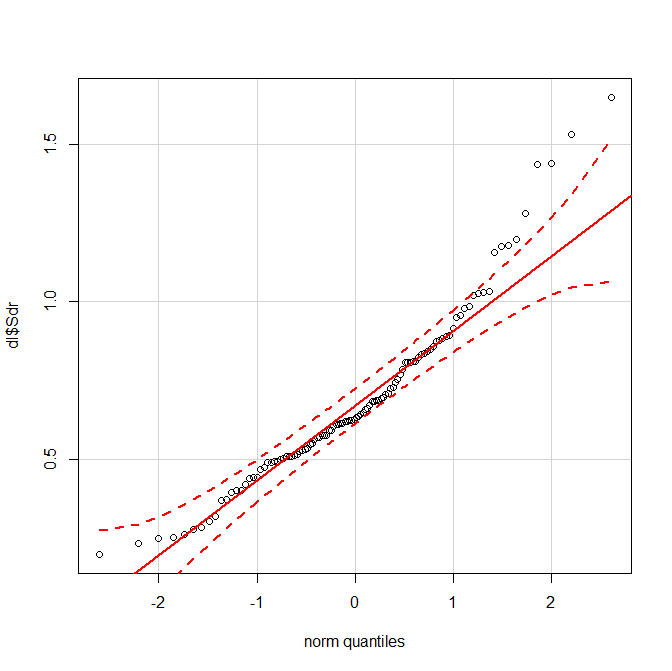
 

Square-root transformed

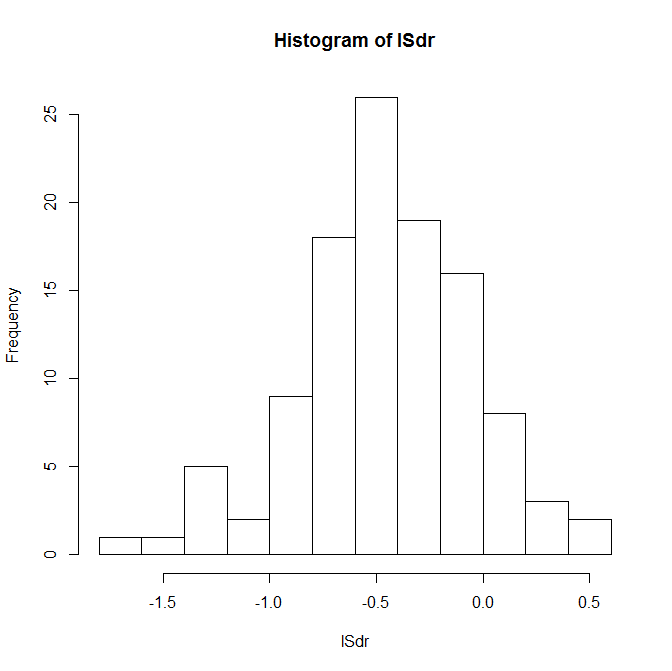
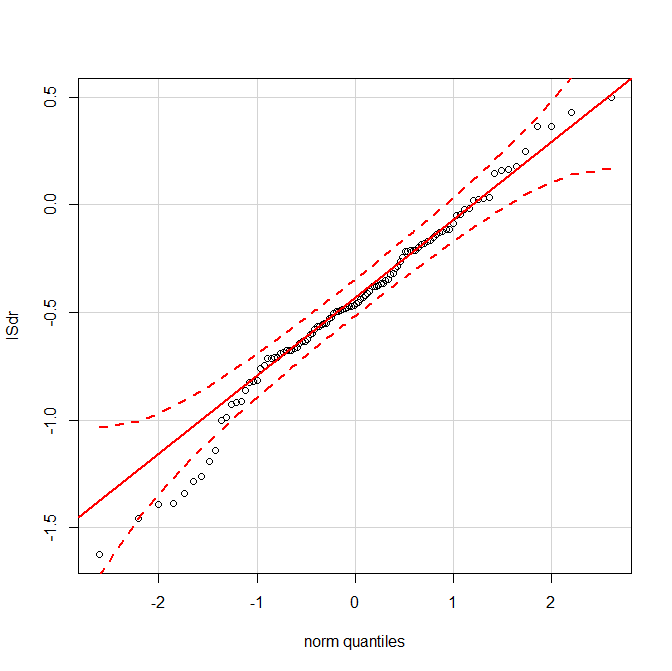
 

*Sdr*

Raw

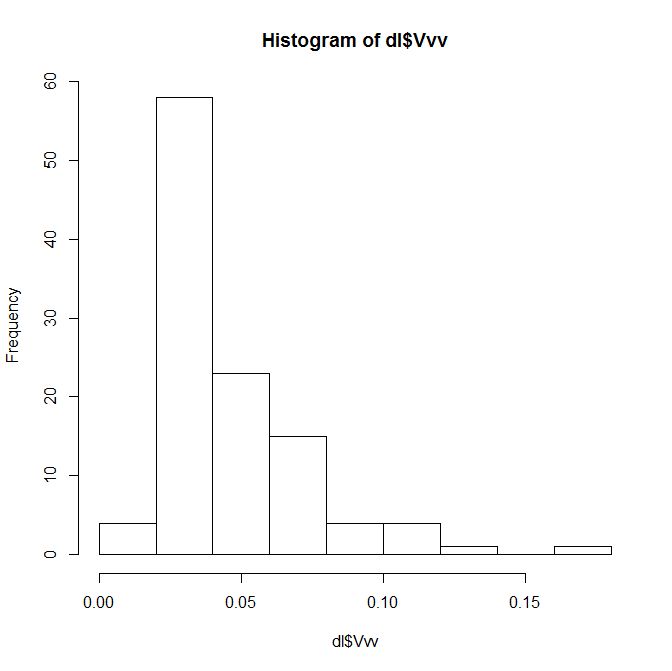
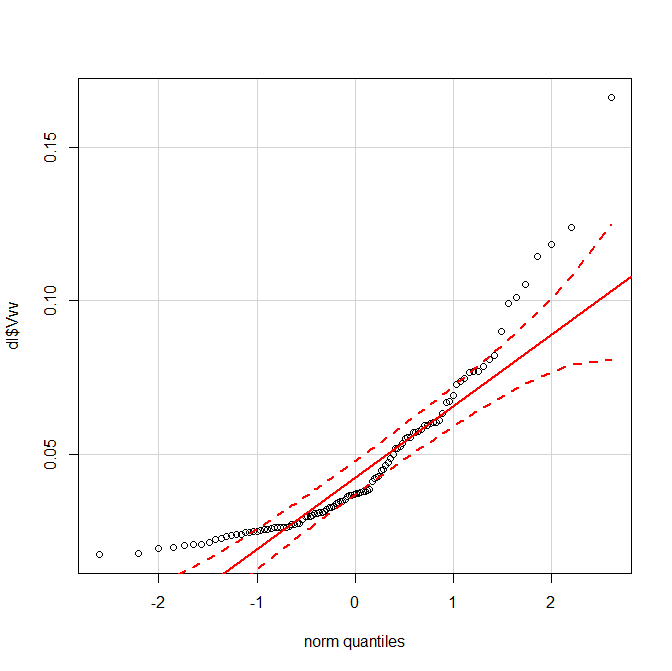
 

Natural logarithm transformed

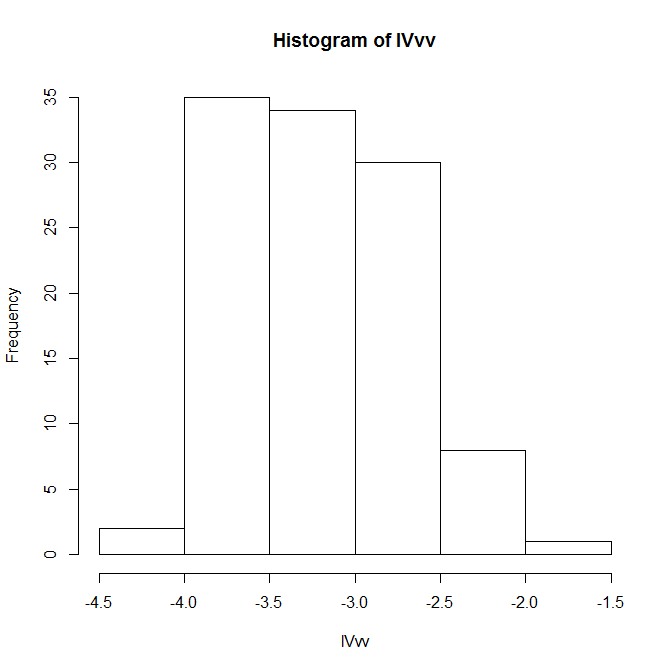
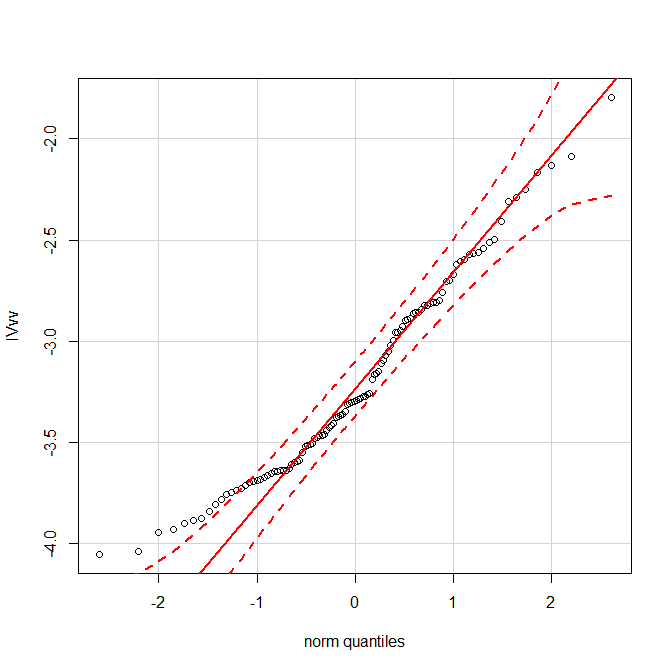
 

*Vvv*

Raw

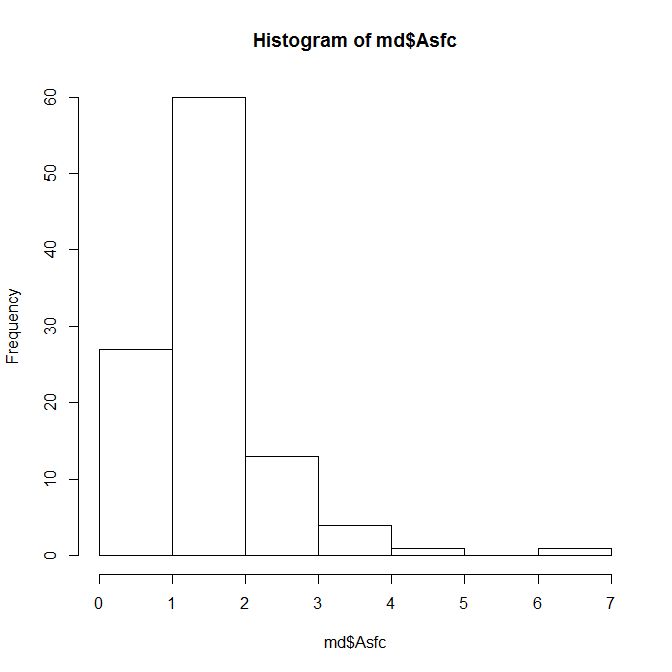
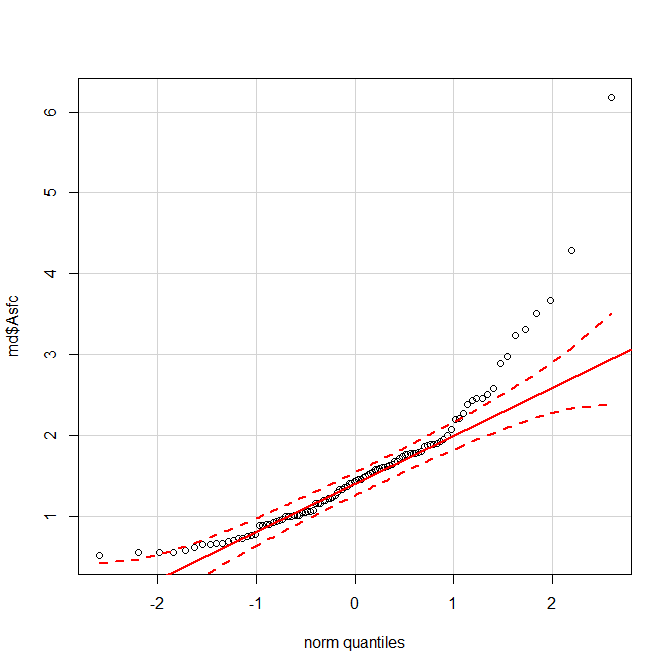
Natural logarithm transformed

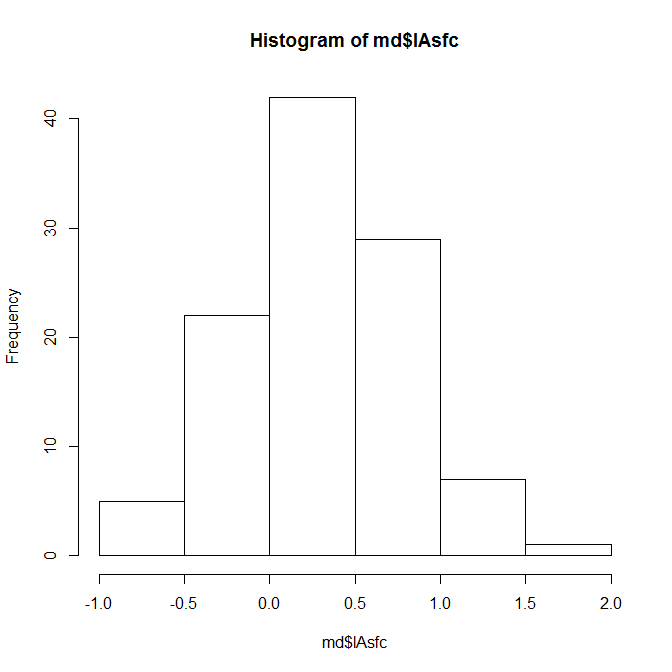
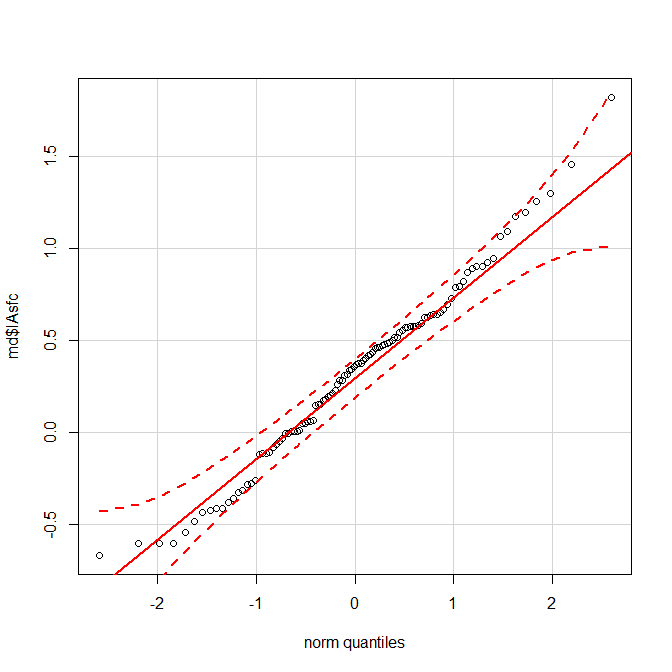
***Macropus dorsalis***

*Asfc*

Raw

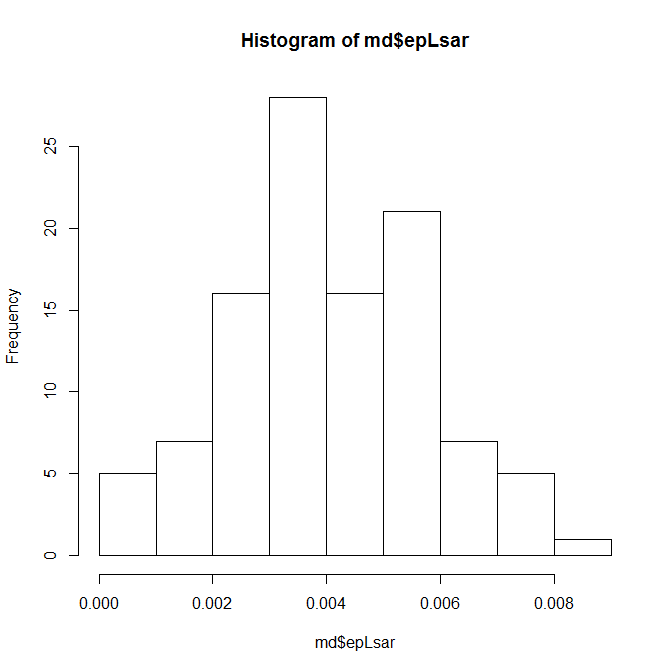
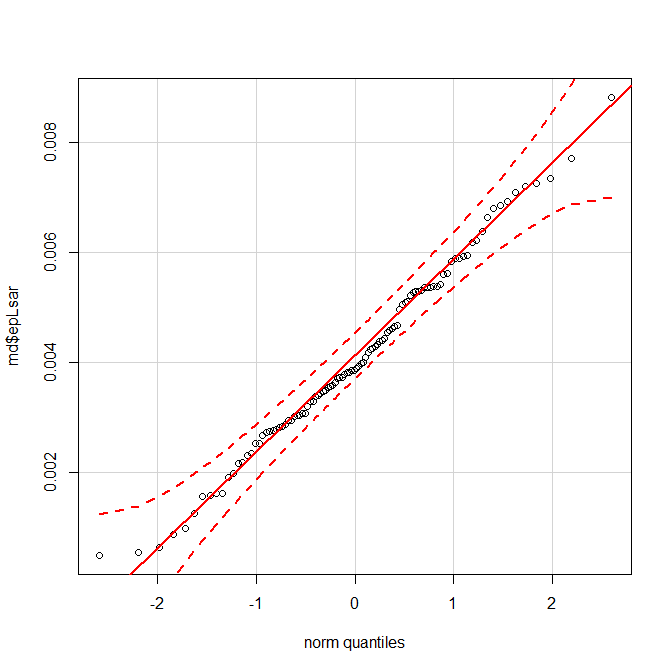
 

Natural logarithm transformed

*epLsar*

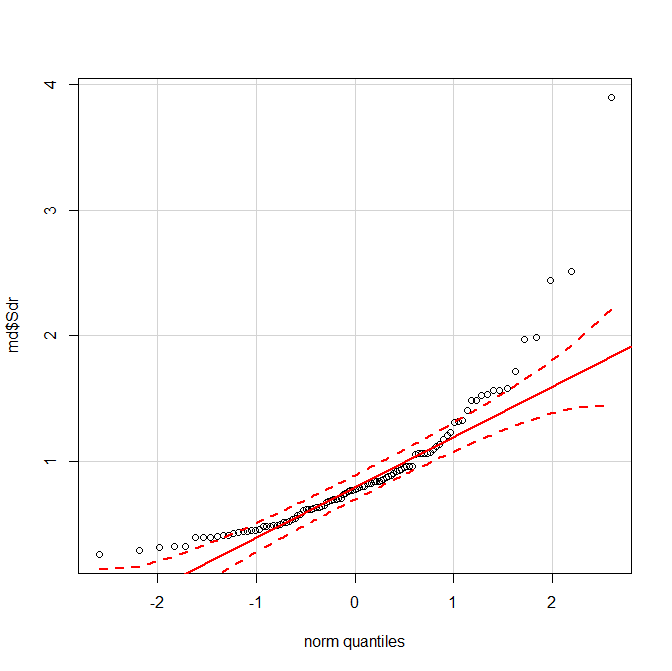
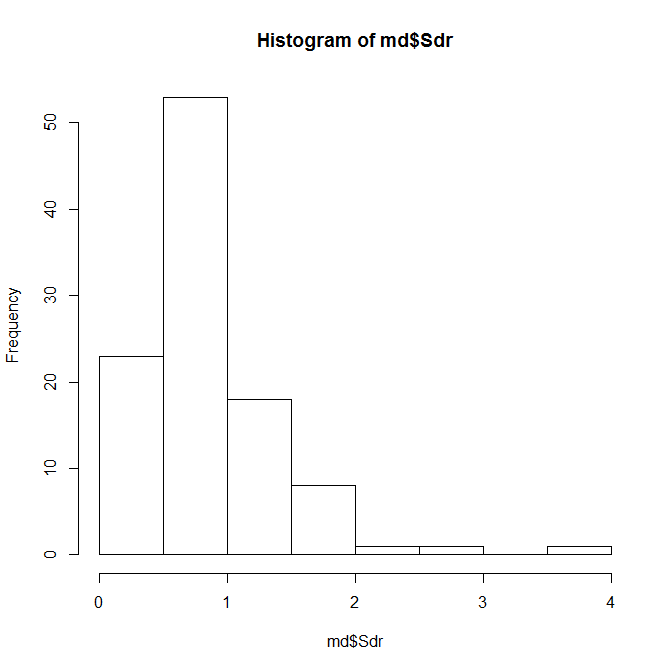
Raw

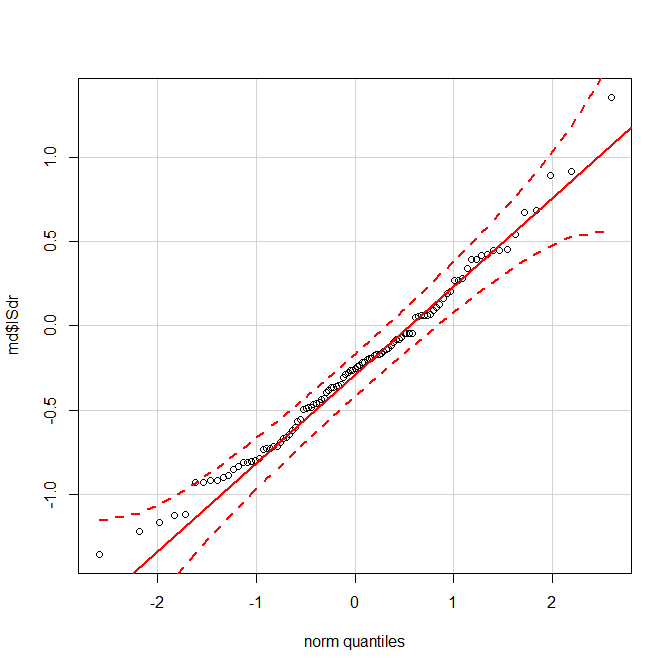
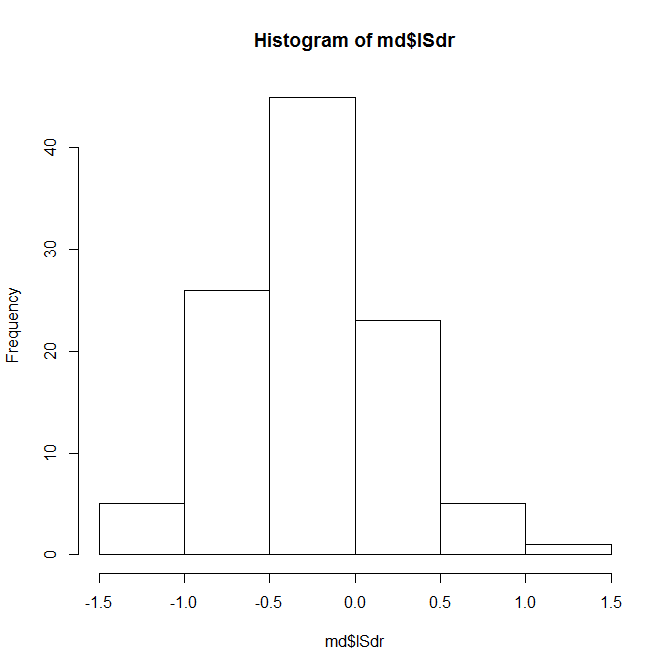
 

No transformation needed.

*Sdr*

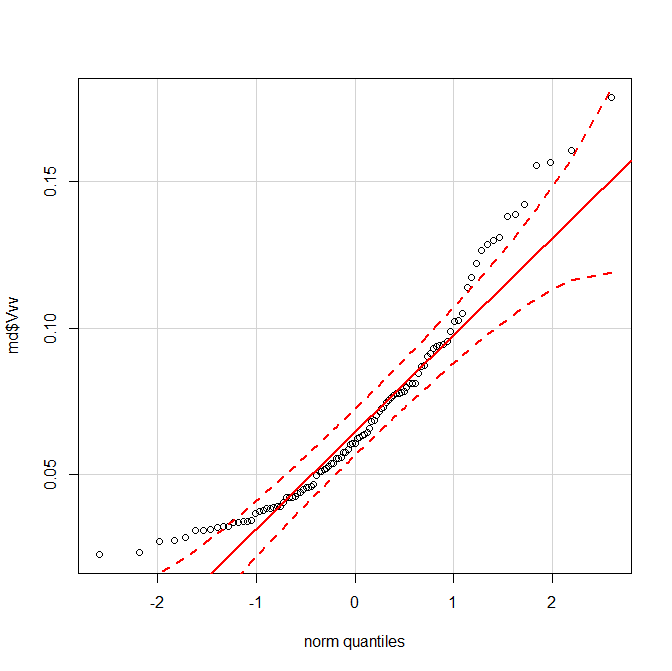
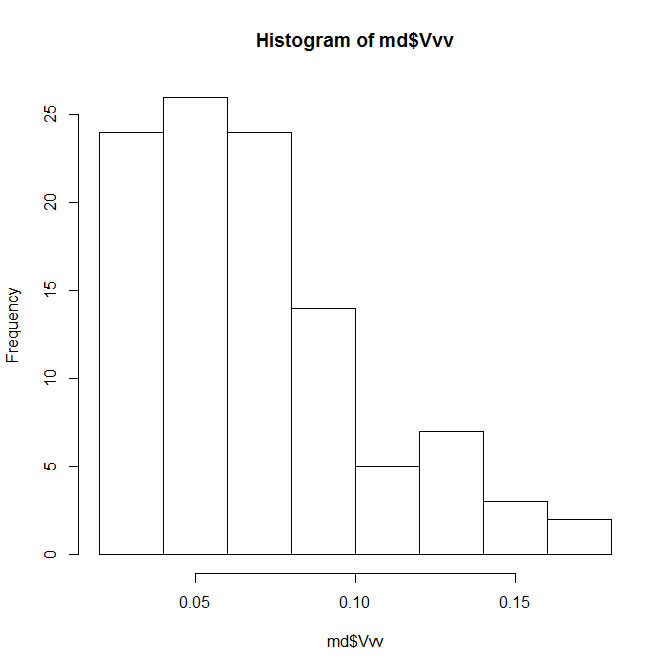
Raw

Natural logarithm transformed

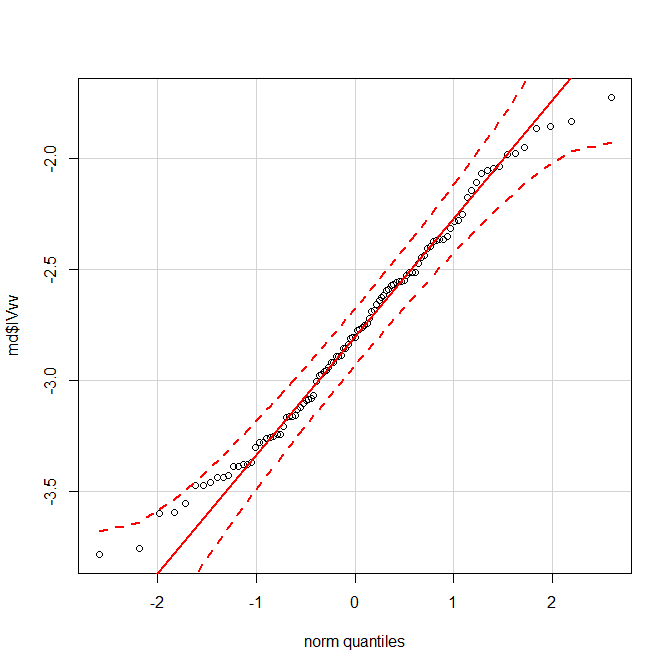
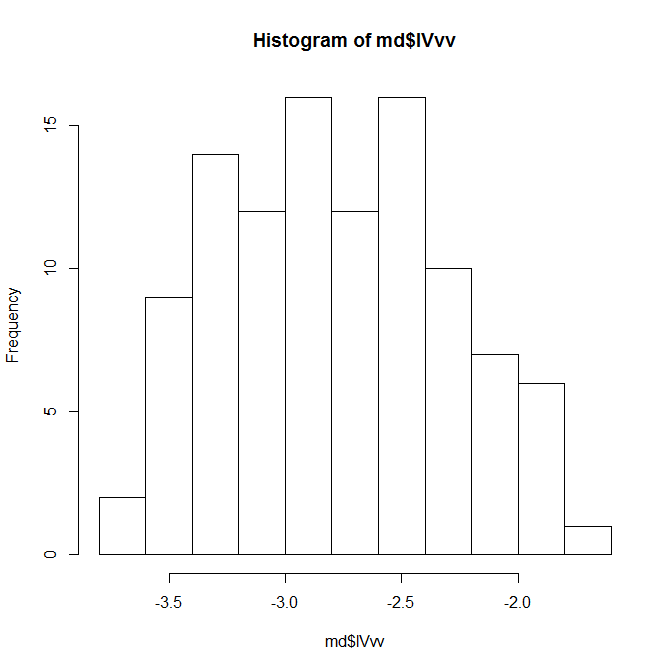


*Vvv*

Raw



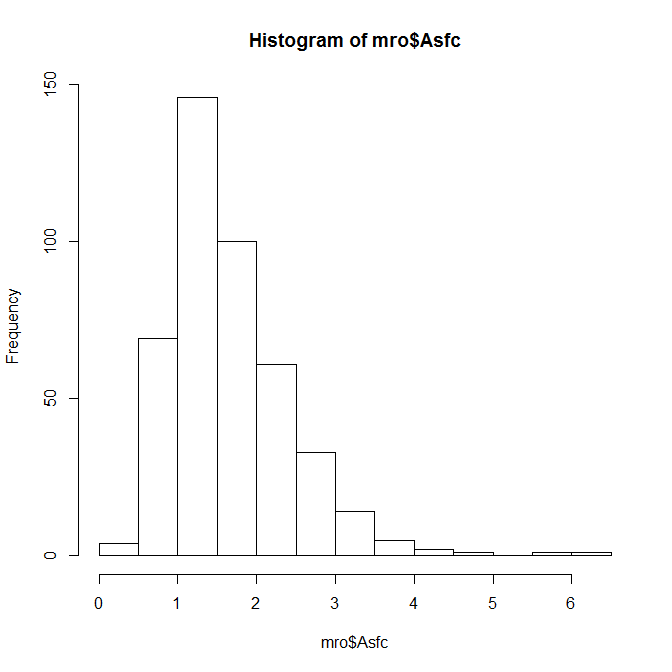
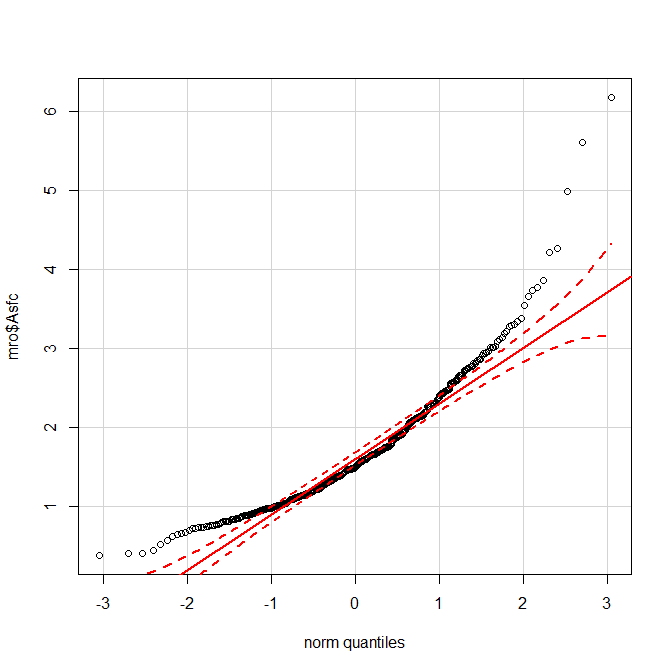
Natural logarithm transformed

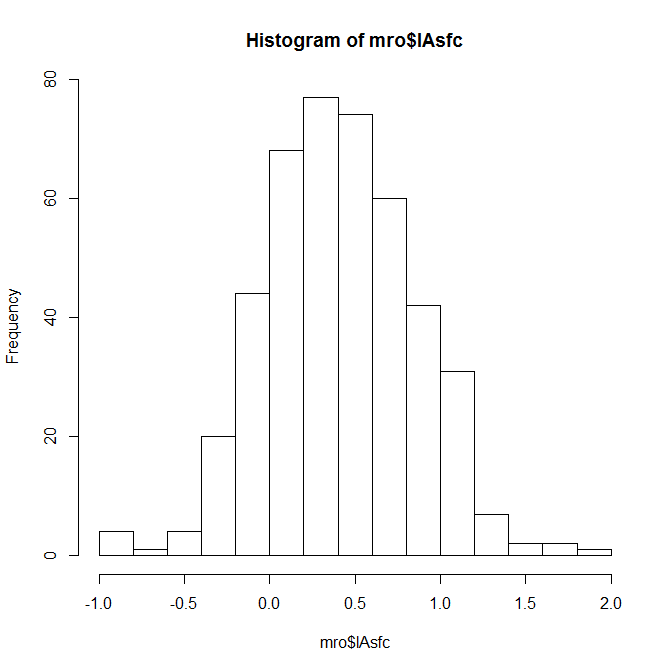
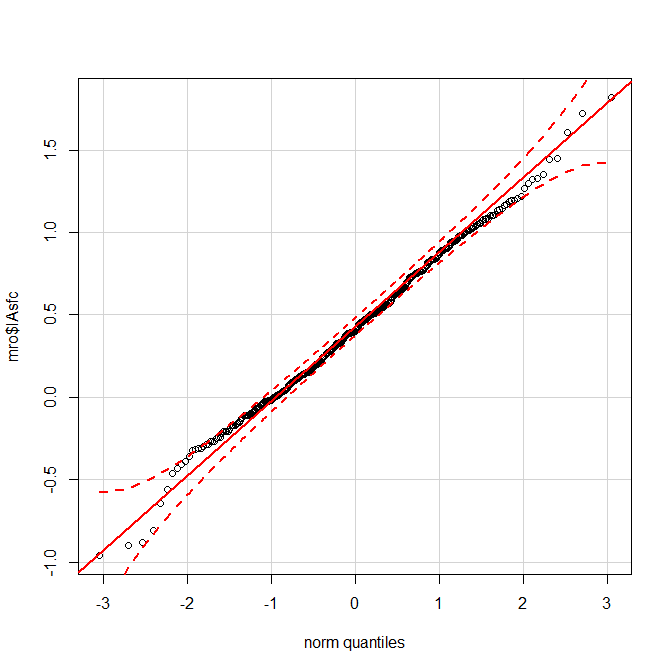


***Macropus robustus***

*Asfc*

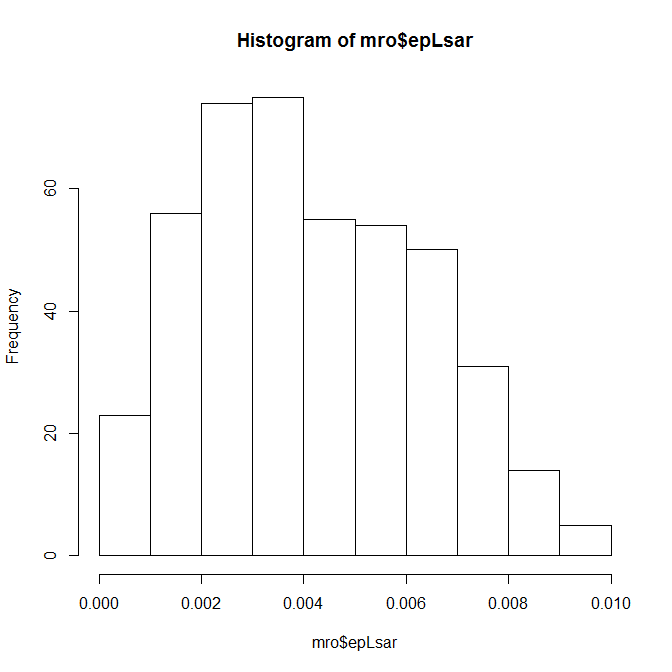
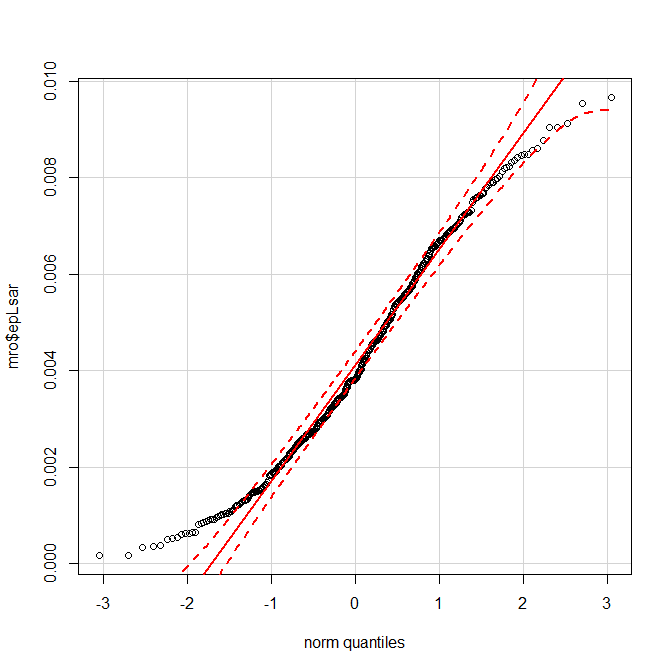
Raw

 Natural logarithm transformed

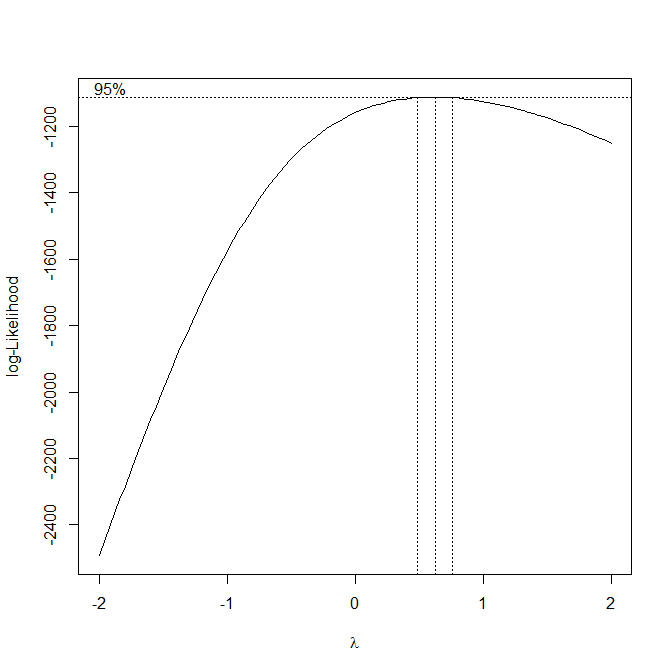
 

*epLsar*

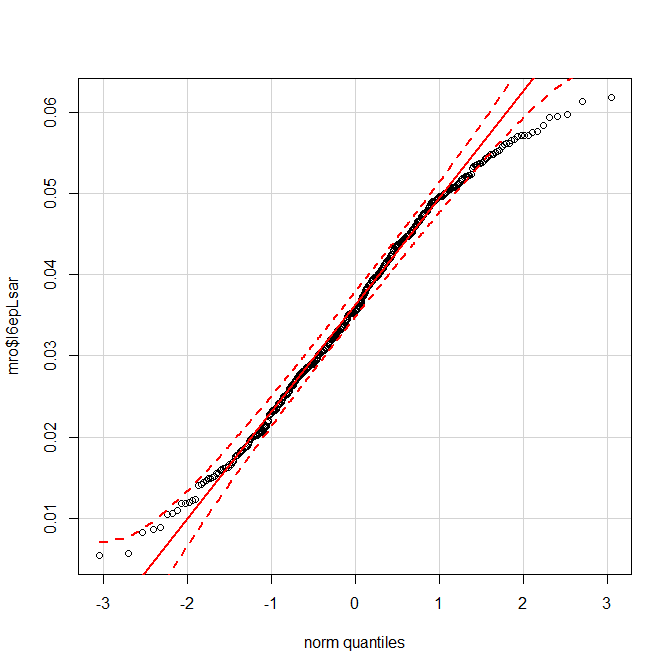
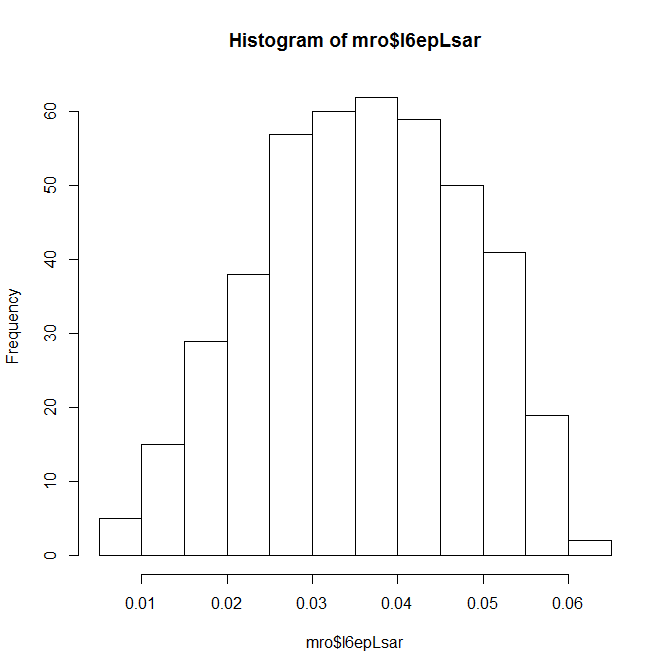
Raw

Boxcox log-likelihood

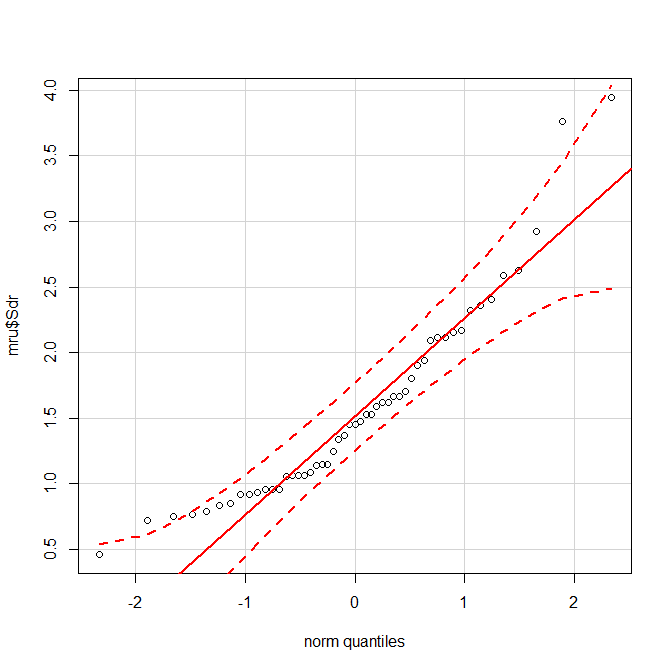
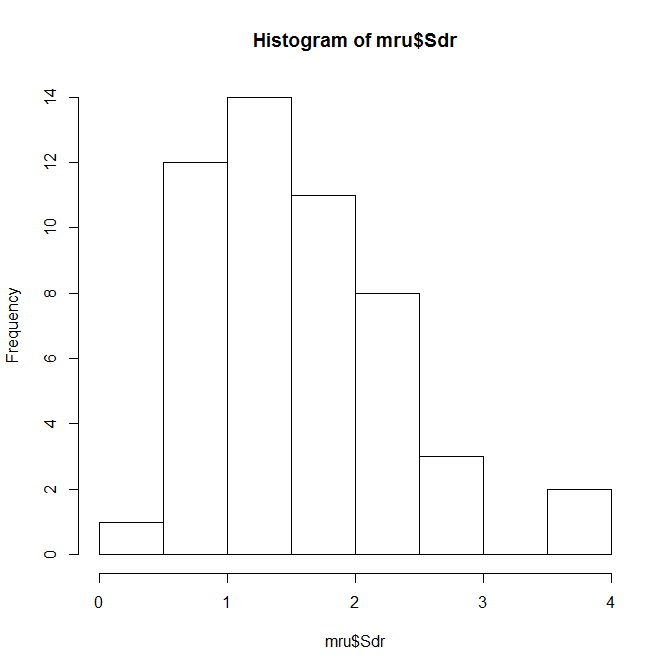


*epLsar* ^0.6

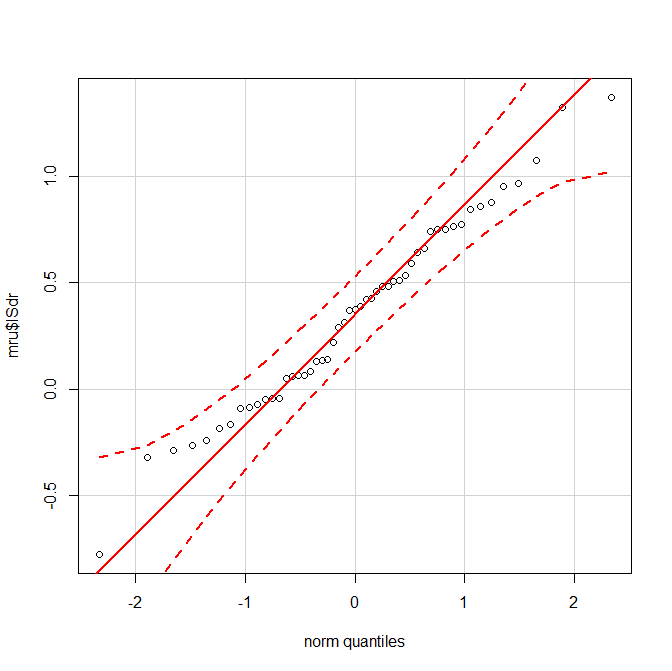
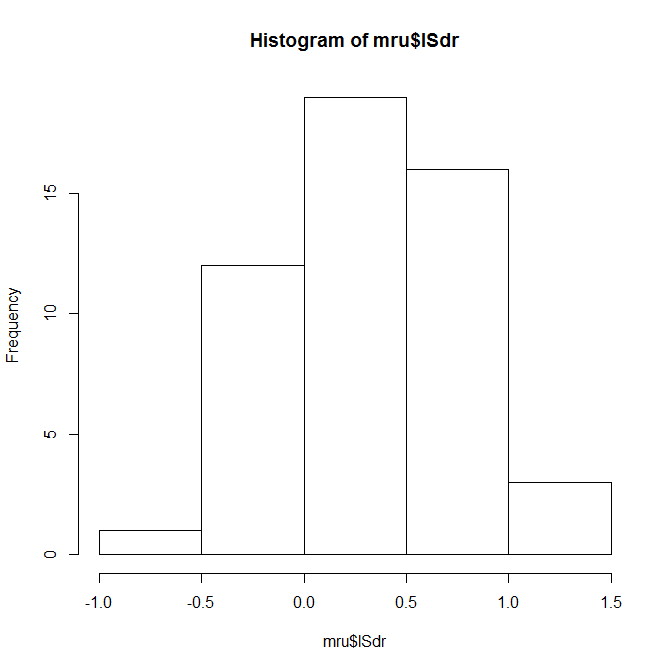


*Sdr*

Raw

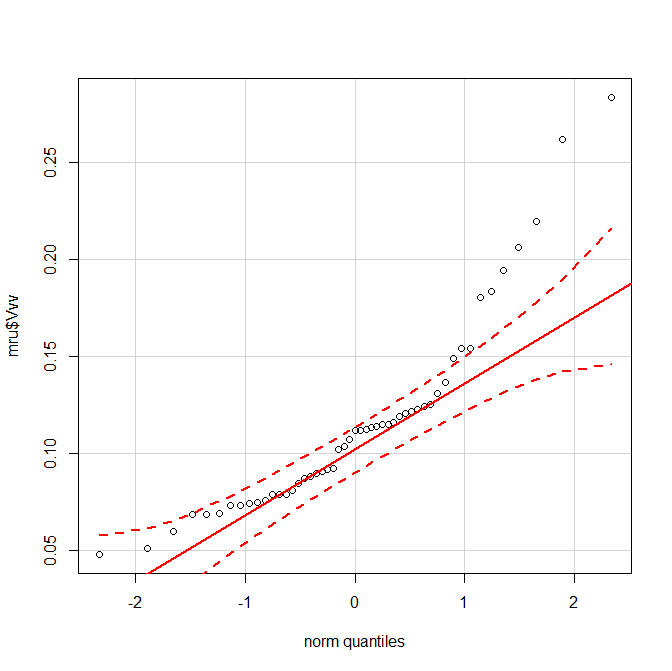
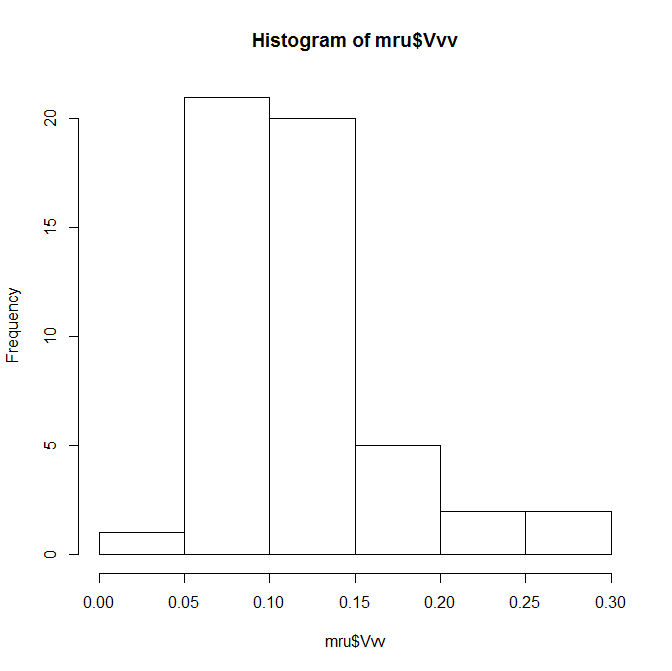


Natural logarithm transformed

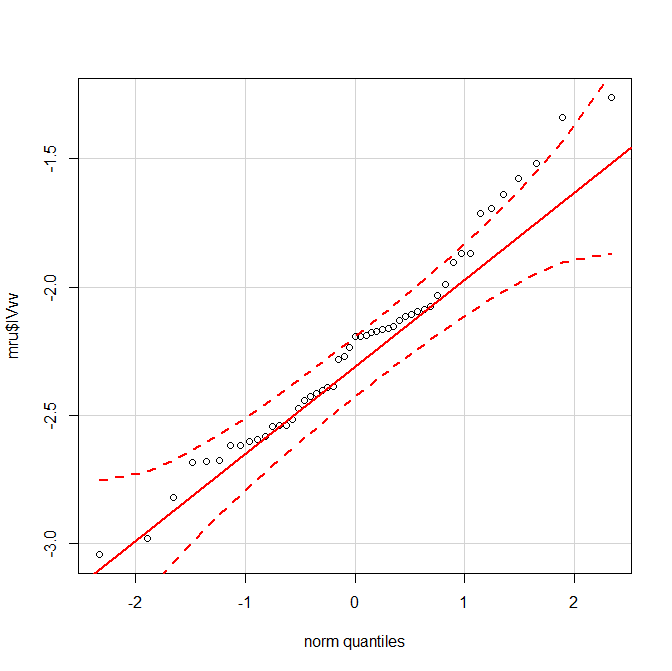
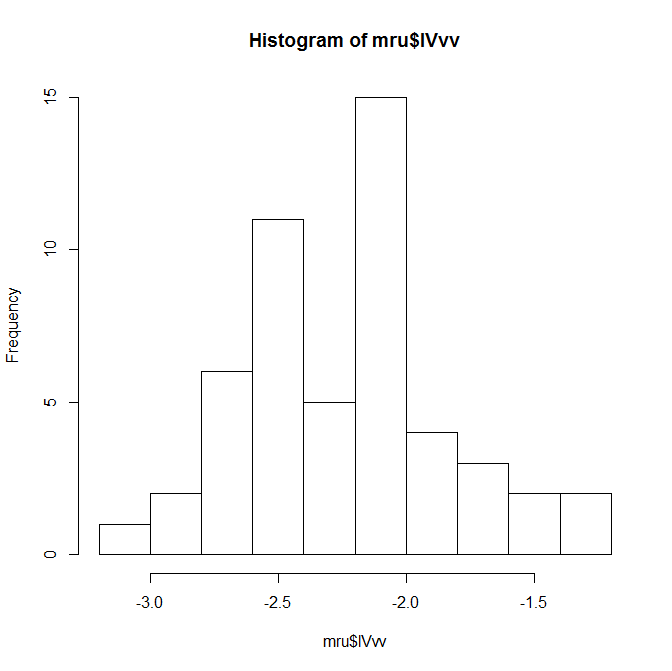


*Vvv*

Raw



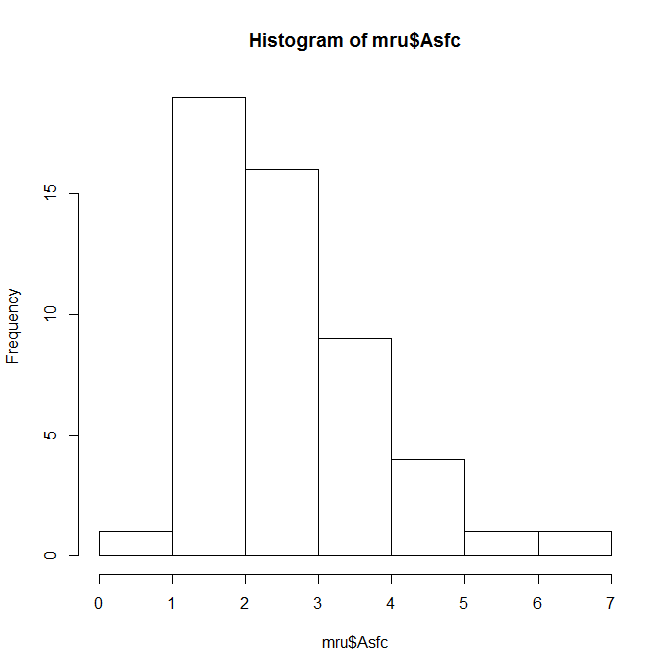
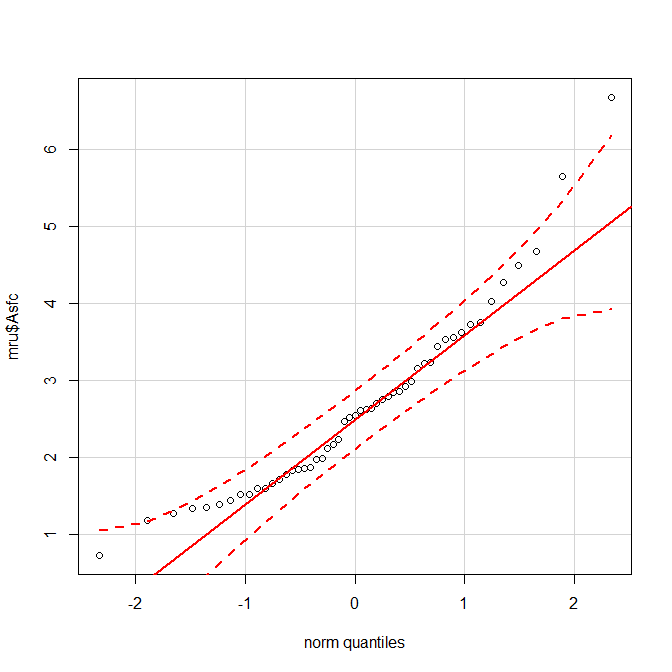
Natural logarithm transformed



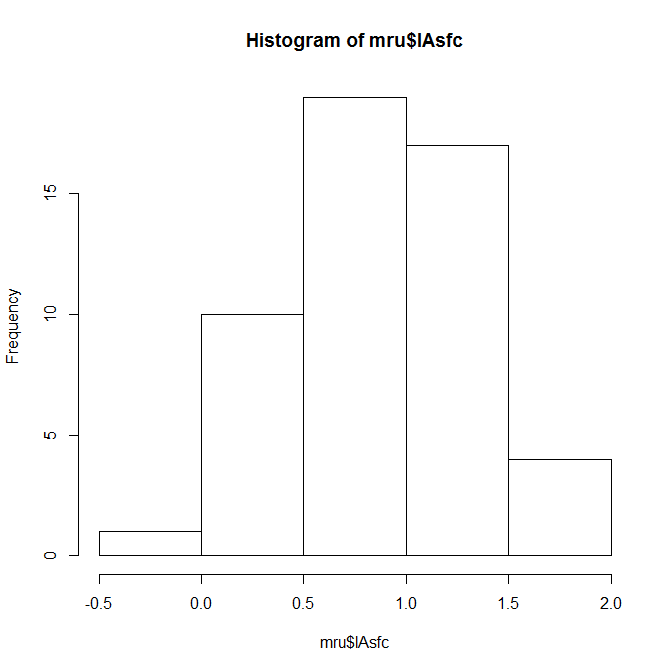
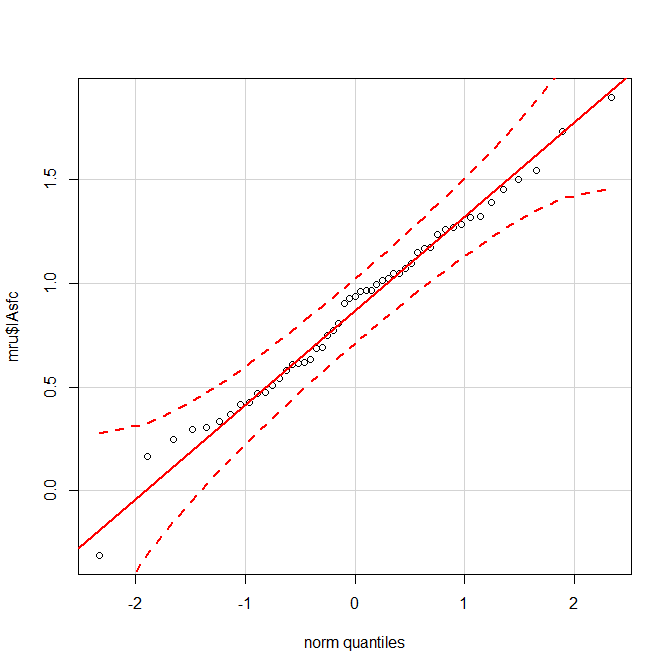
***Macropus rufogriseus***

*Asfc*

Raw

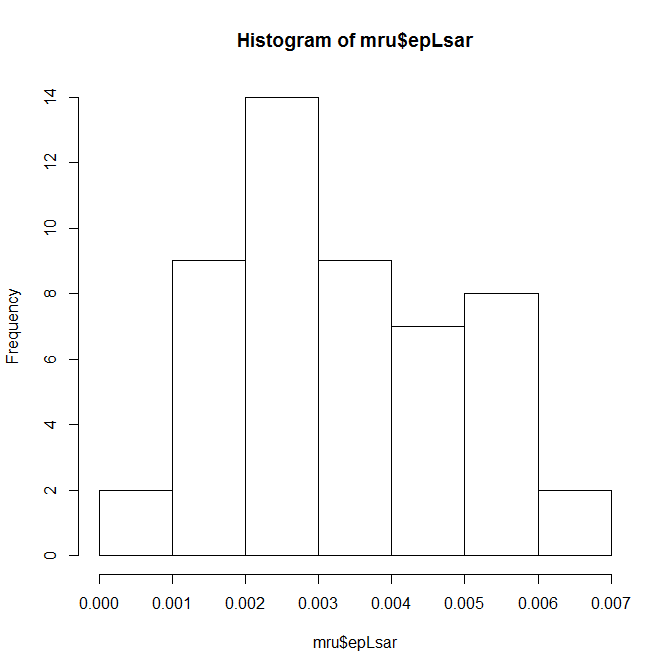
 

Natural logarithm transformed

*epLsar*

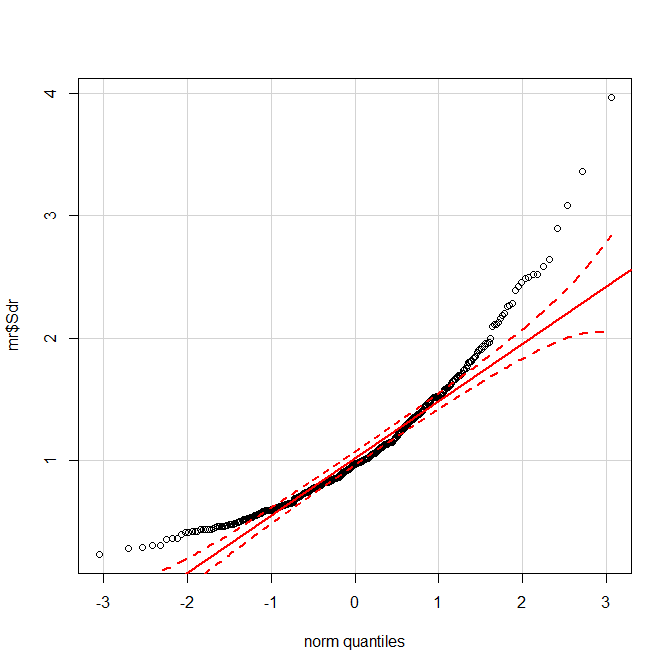
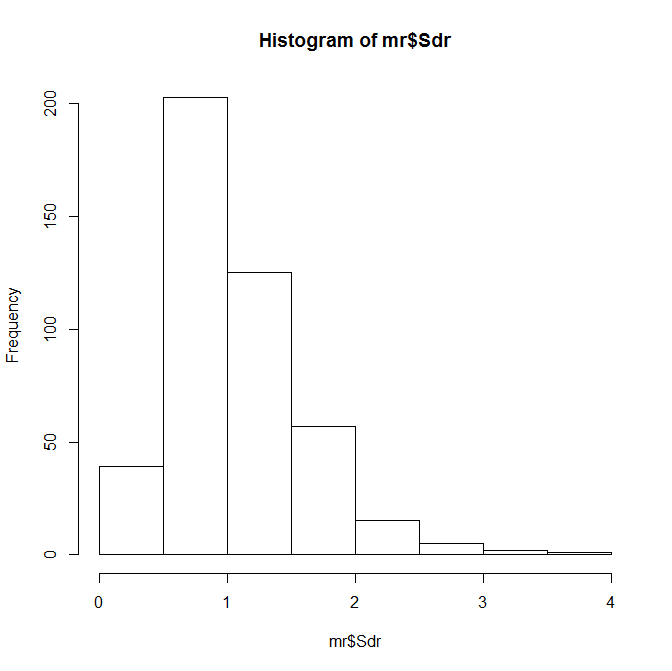
Raw

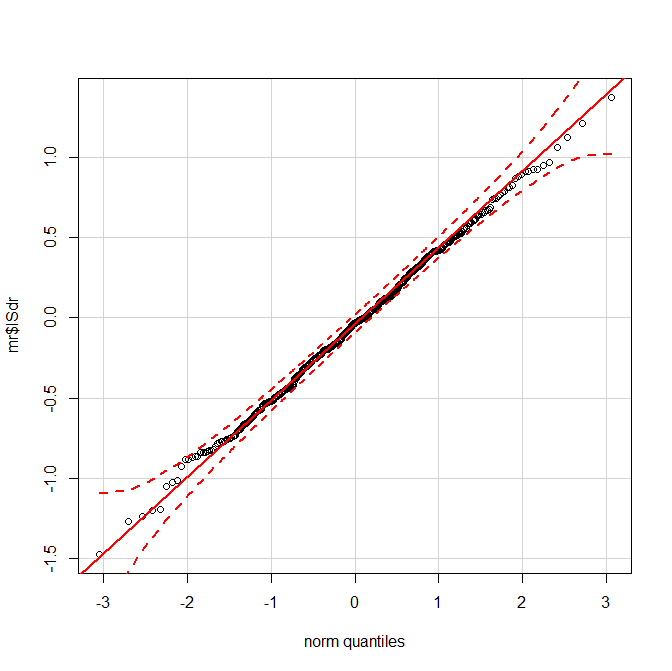
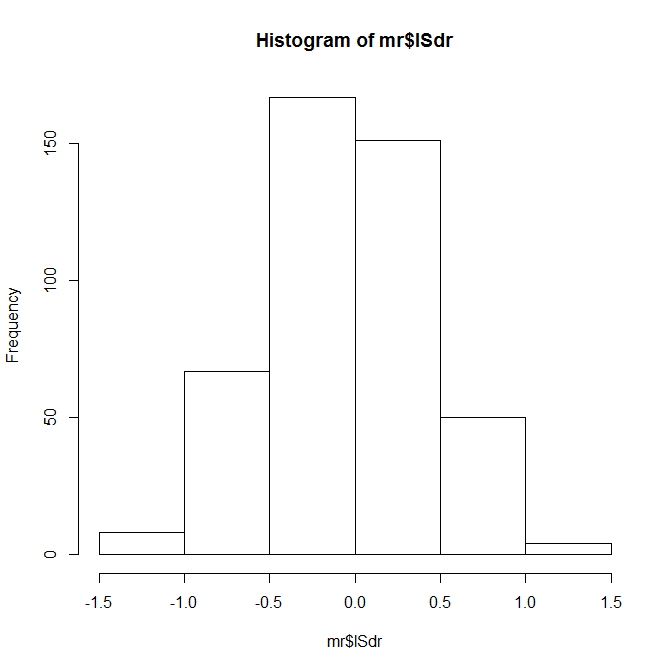
No transformation needed.

*Sdr*

Raw

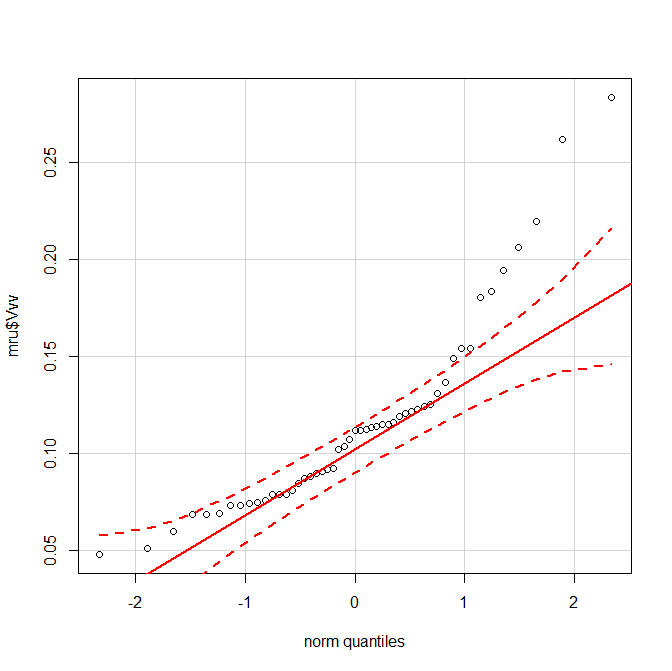
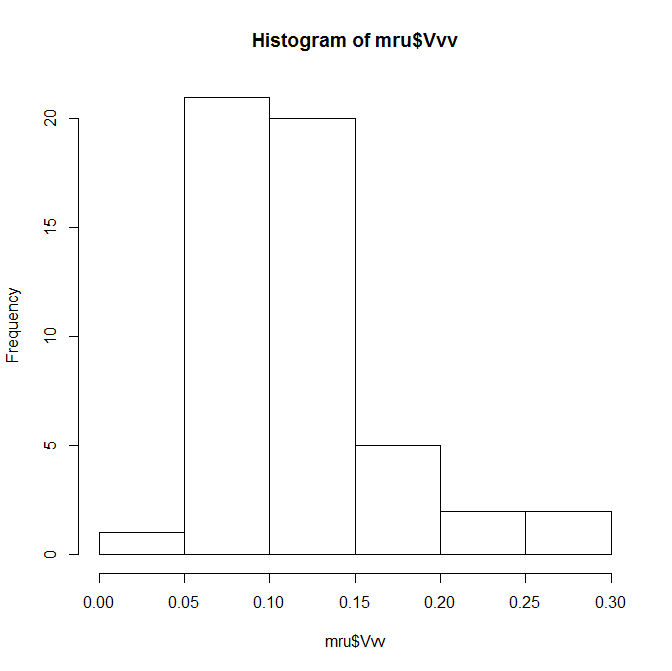


Natural logarithm transformed

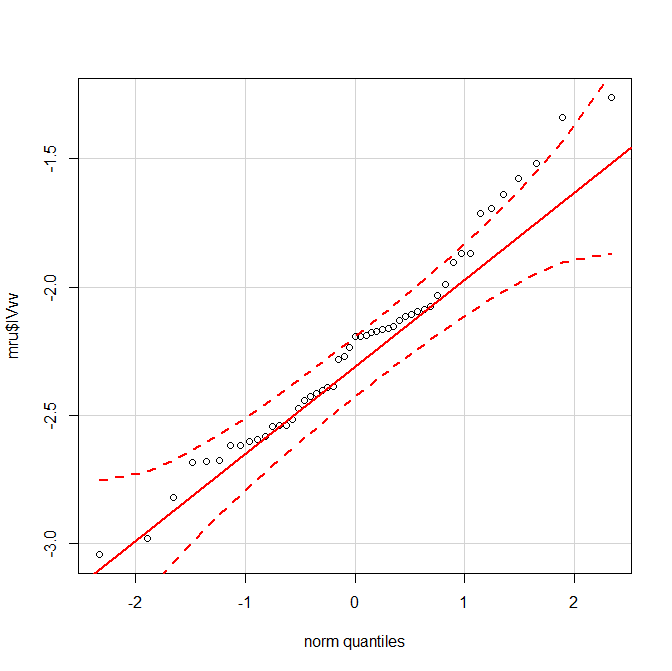
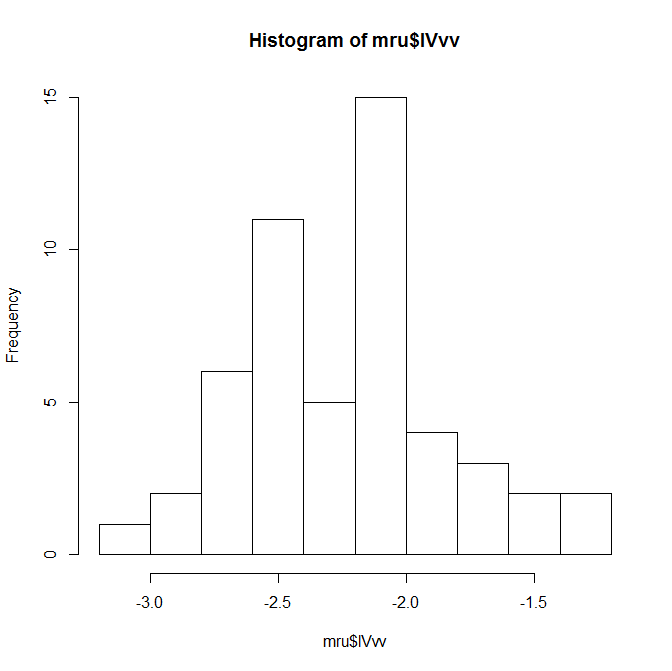


*Vvv*

Raw



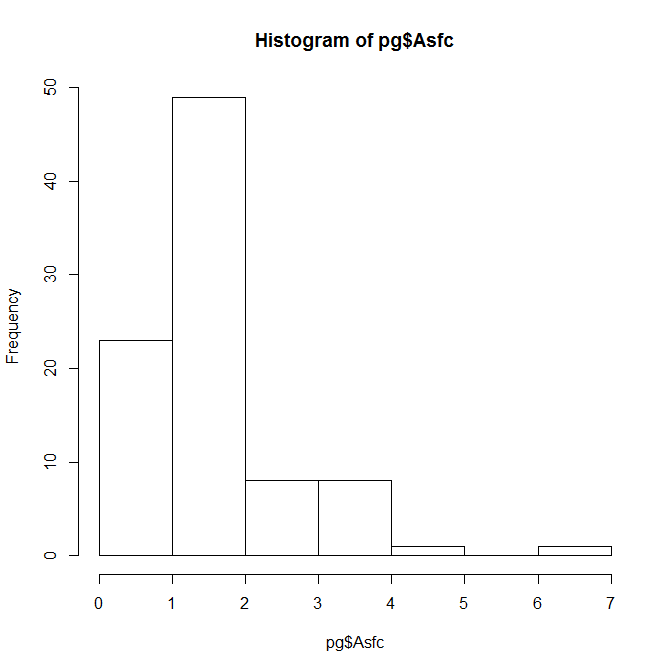
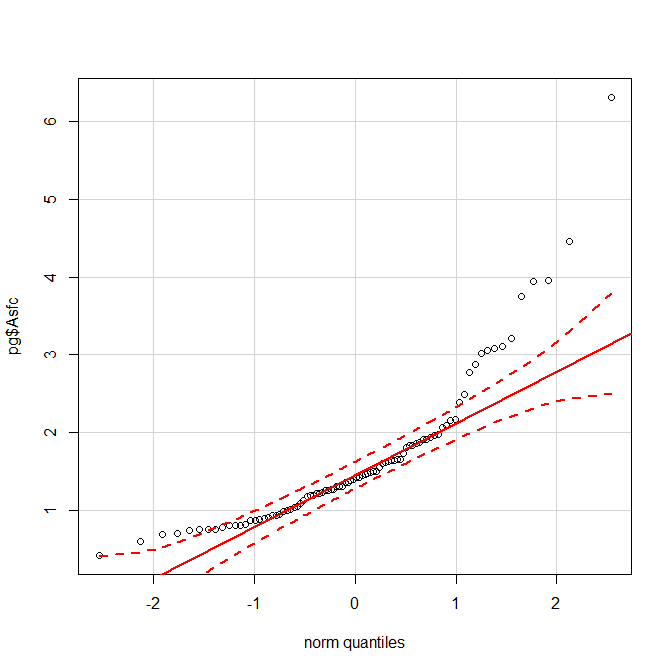
Natural logarithm transformed



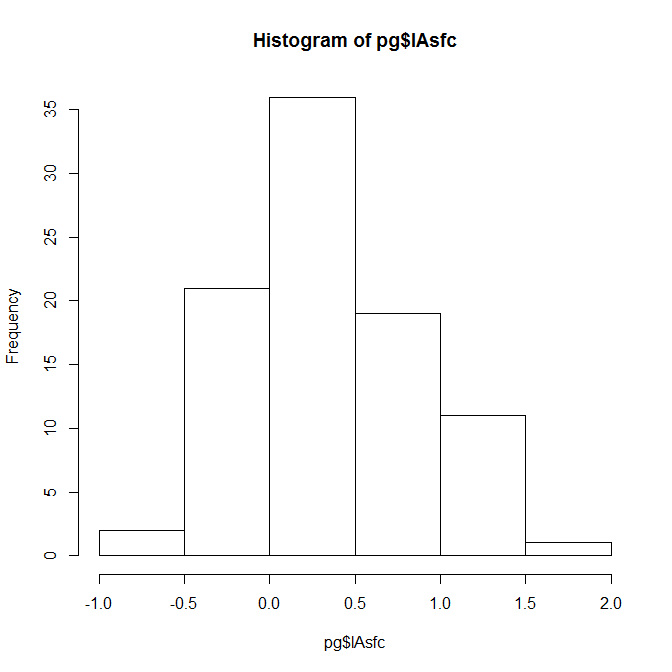
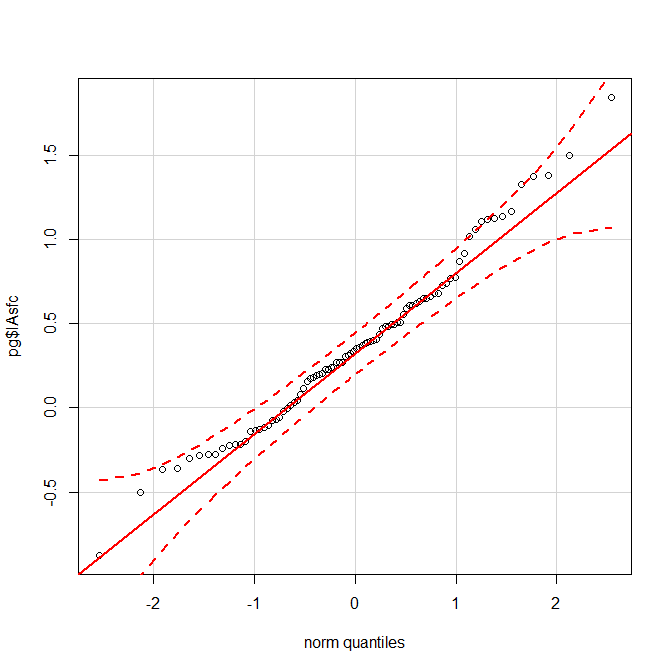
***Procoptodon gilli***

*Asfc*

Raw

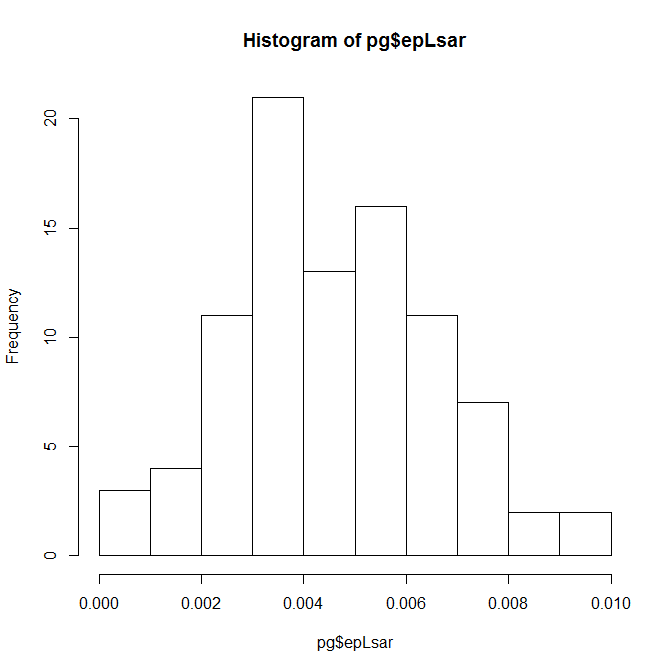
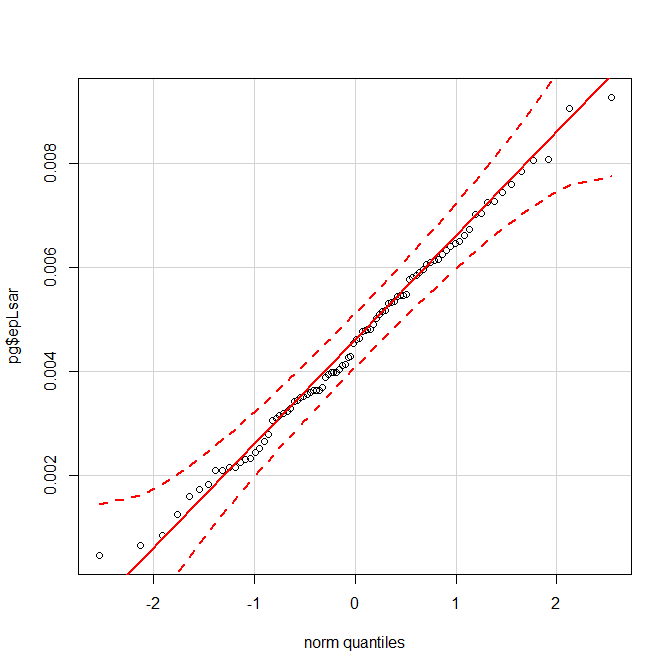
 

Natural logarithm transformed

*epLsar*

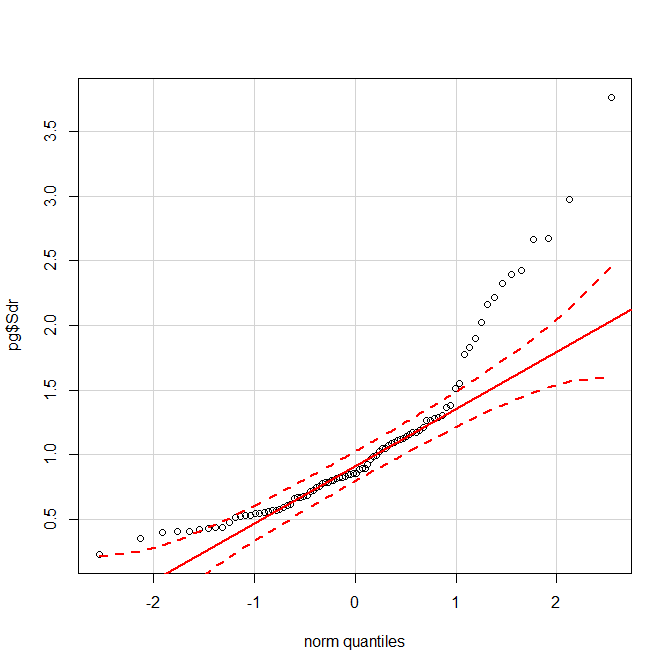
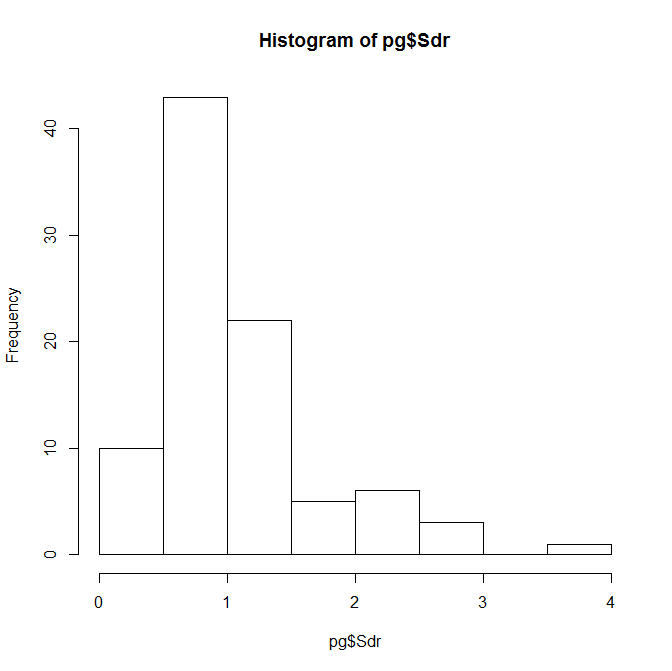
Raw

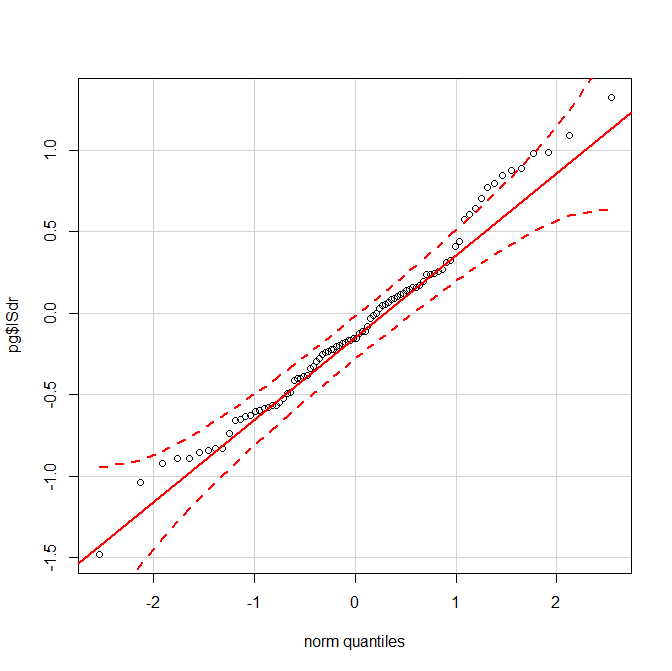
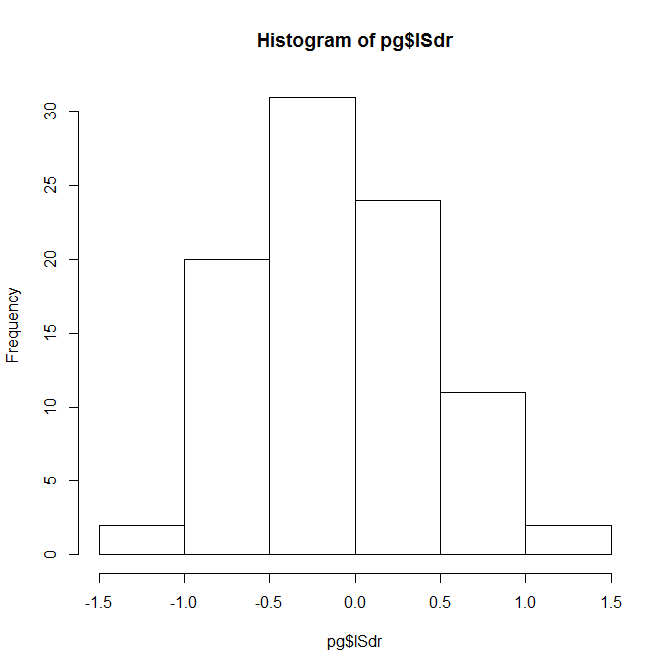
No transformation needed.

*Sdr*

Raw

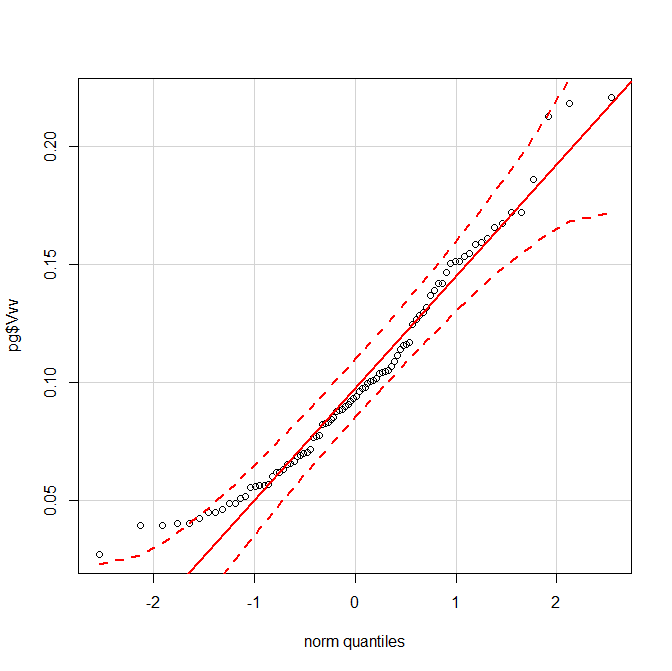
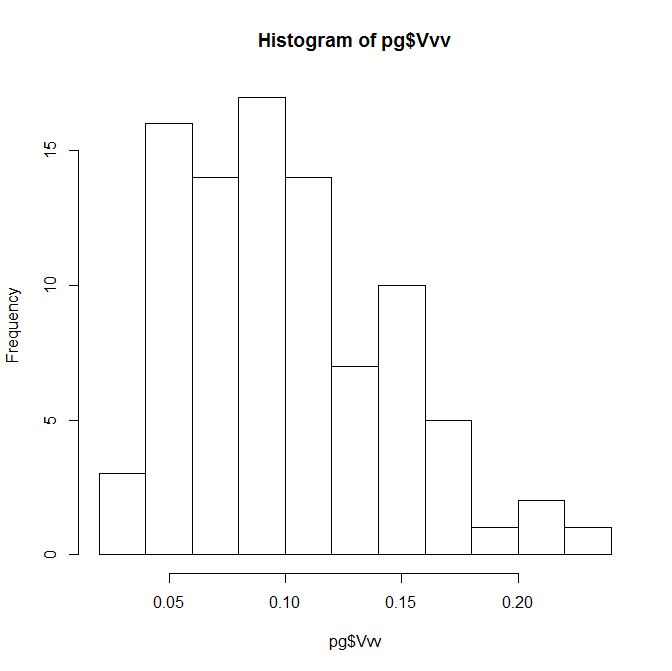


Natural logarithm transformed



*Vvv*

Raw

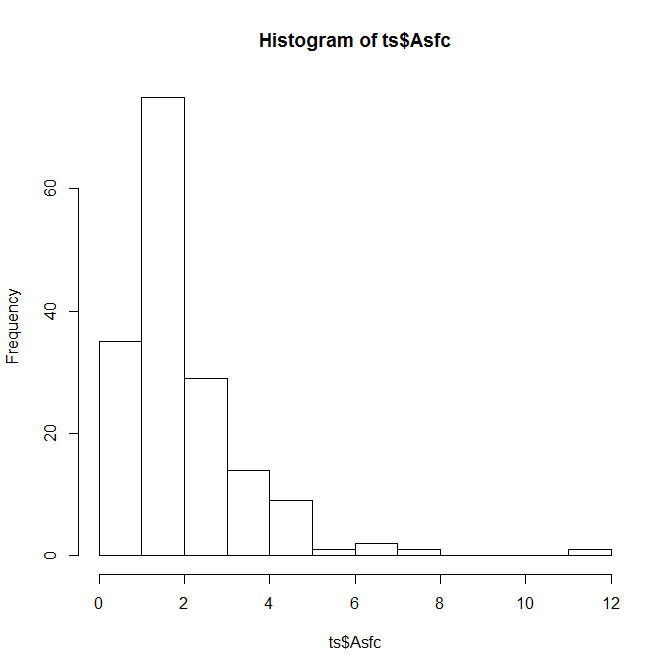
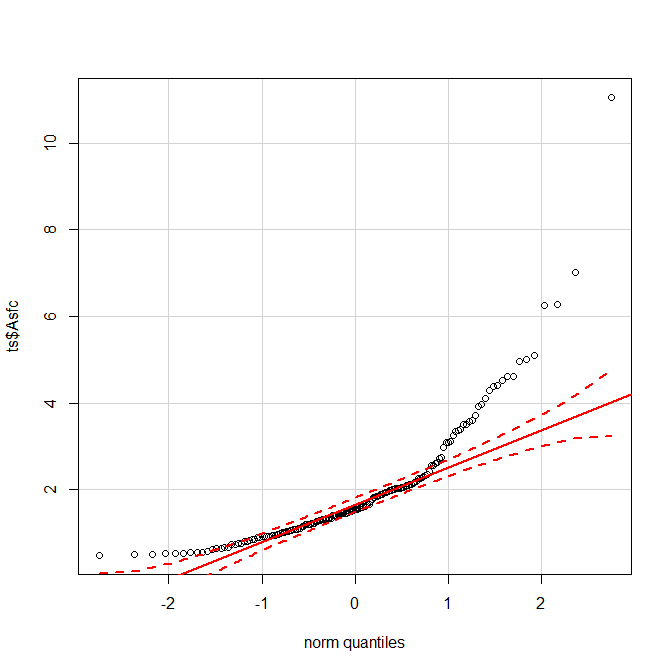


No transformation needed.

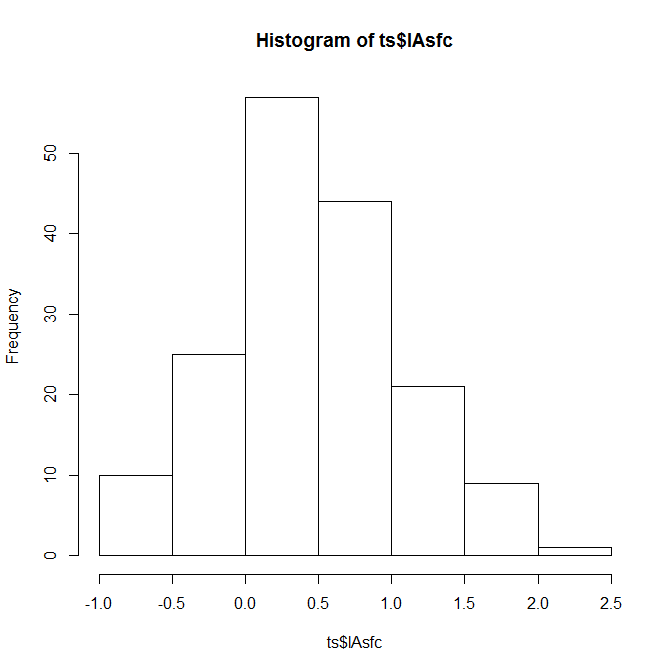
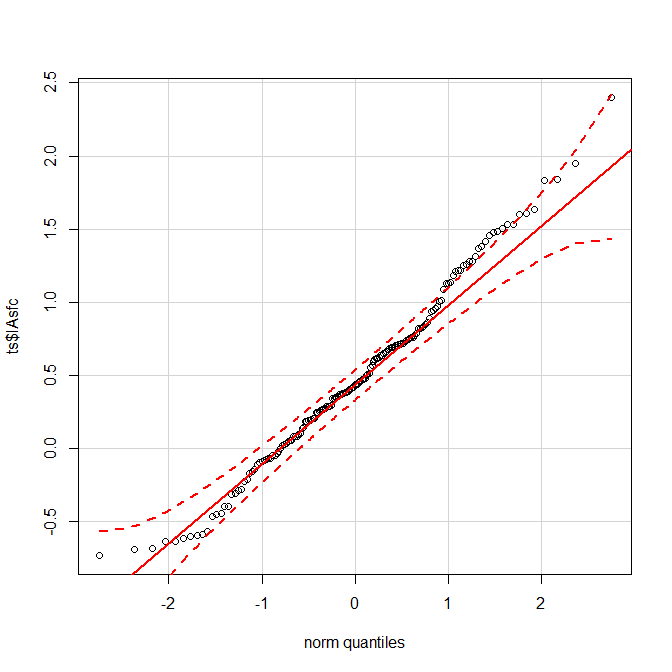
***Thylogale stigmatica***

*Asfc*

Raw

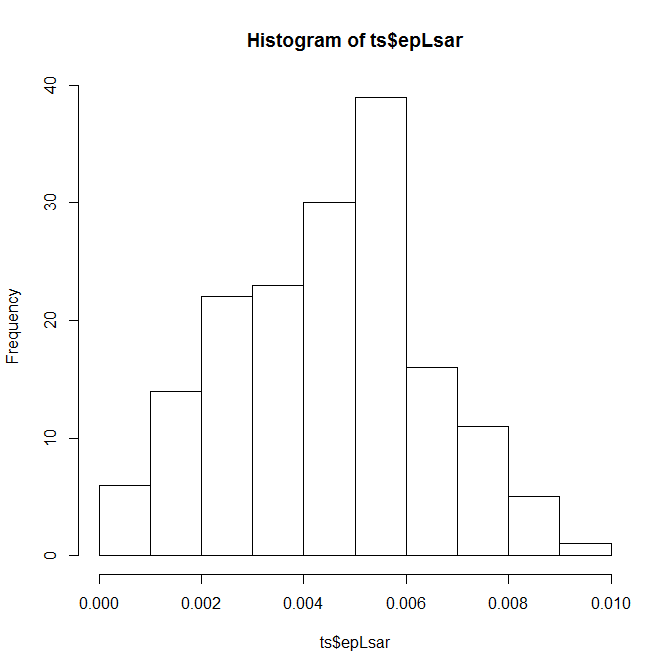
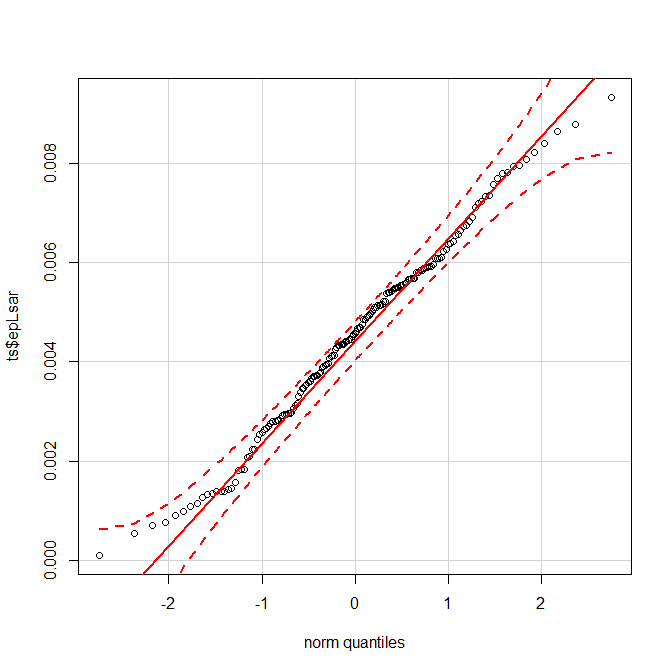
 

Natural logarithm transformed

*epLsar*

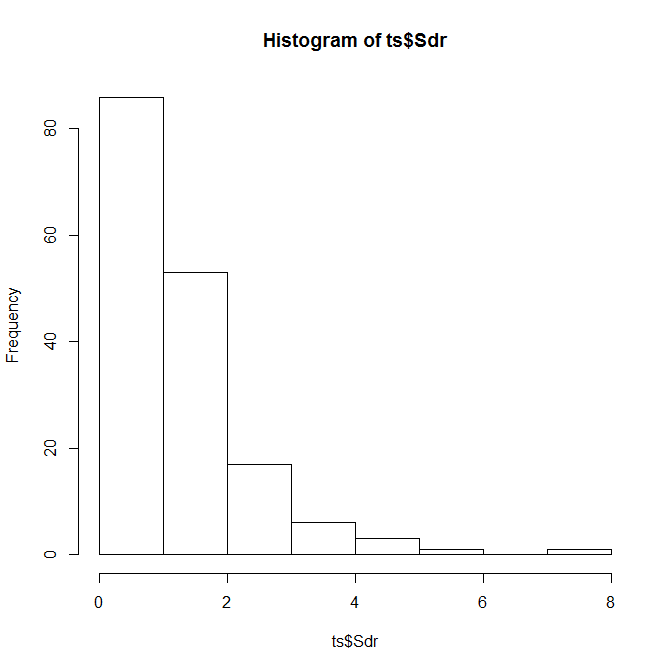
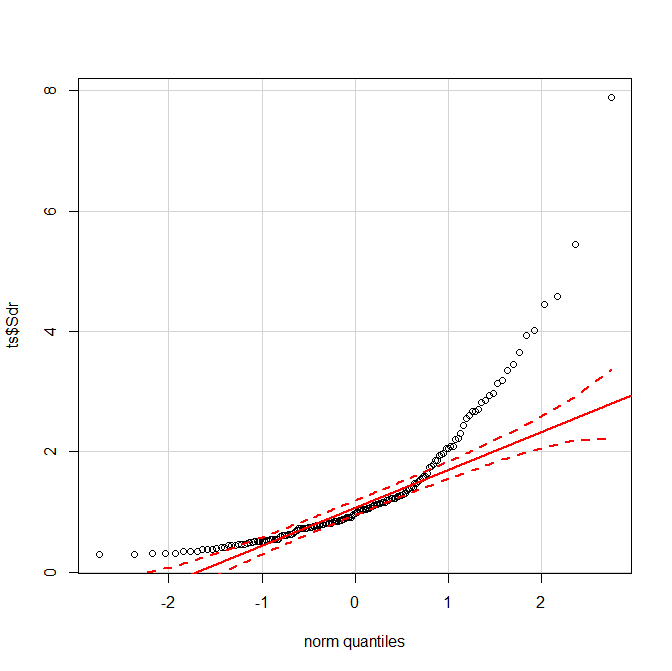
Raw

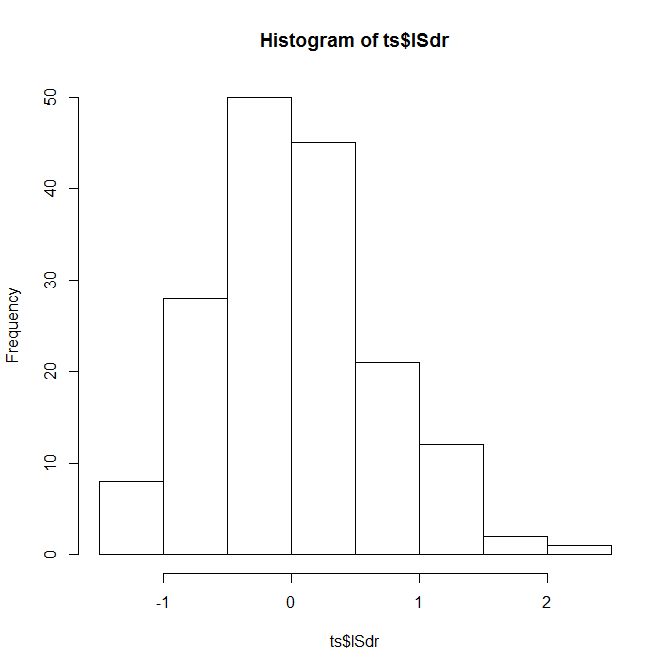
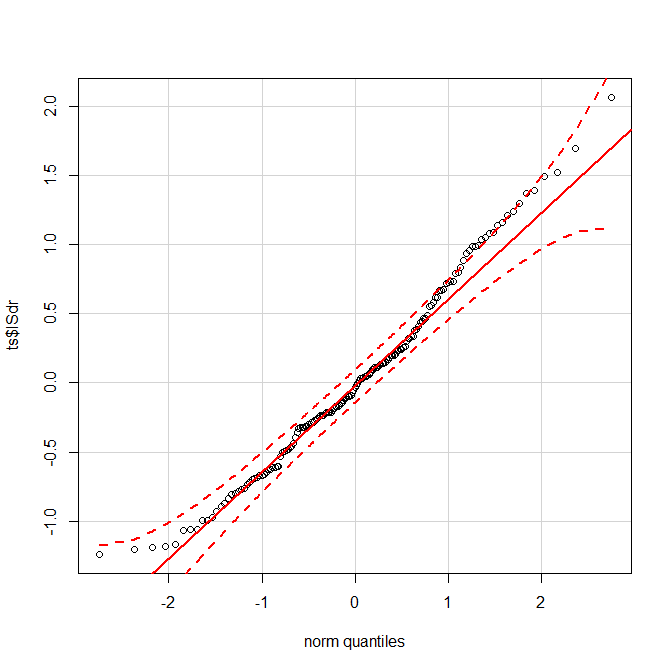
No transformation needed.

*Sdr*

Raw

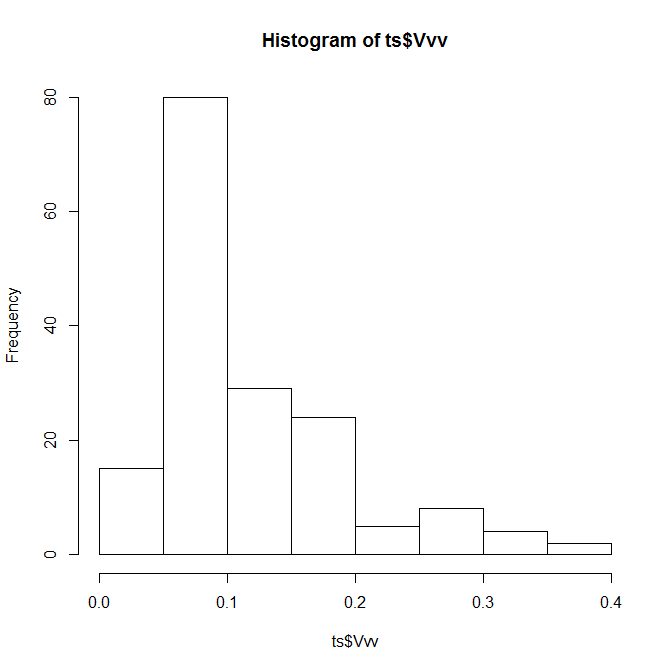
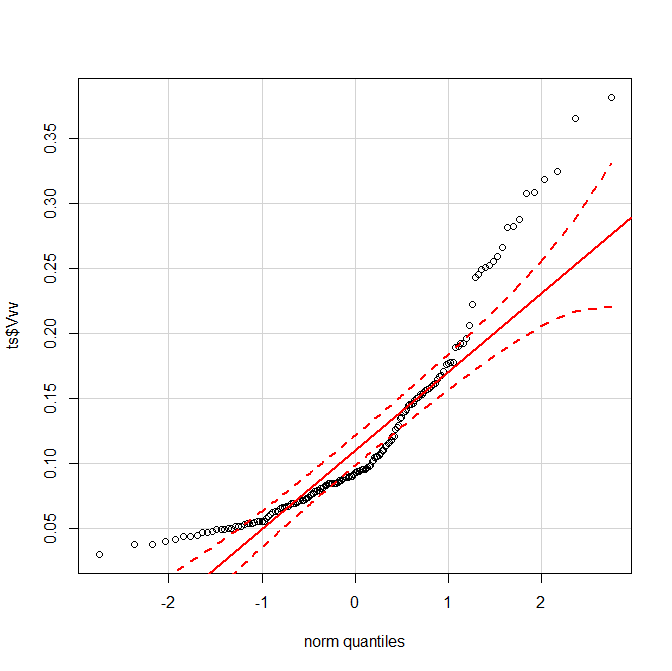
 

Natural logarithm transformed

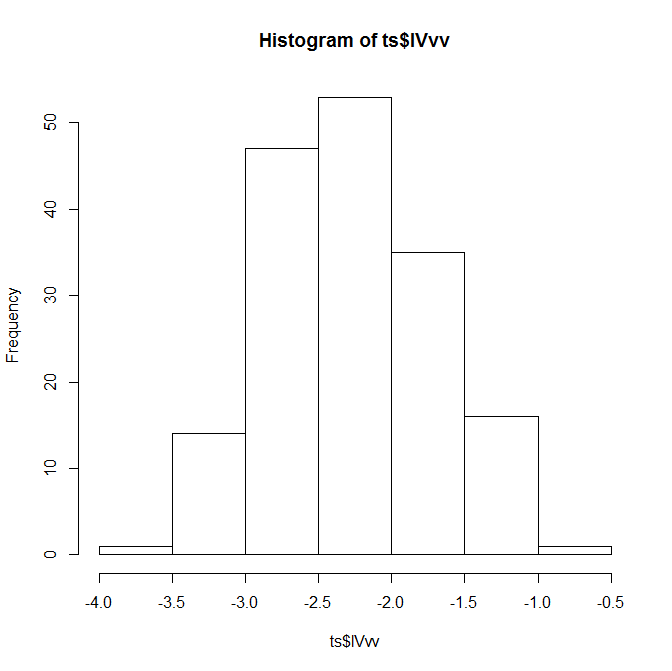
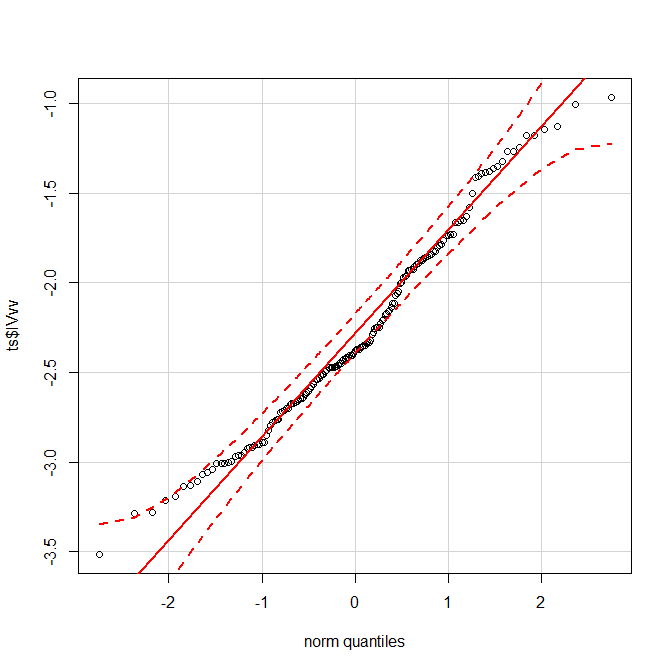
 

*Vvv*

Raw

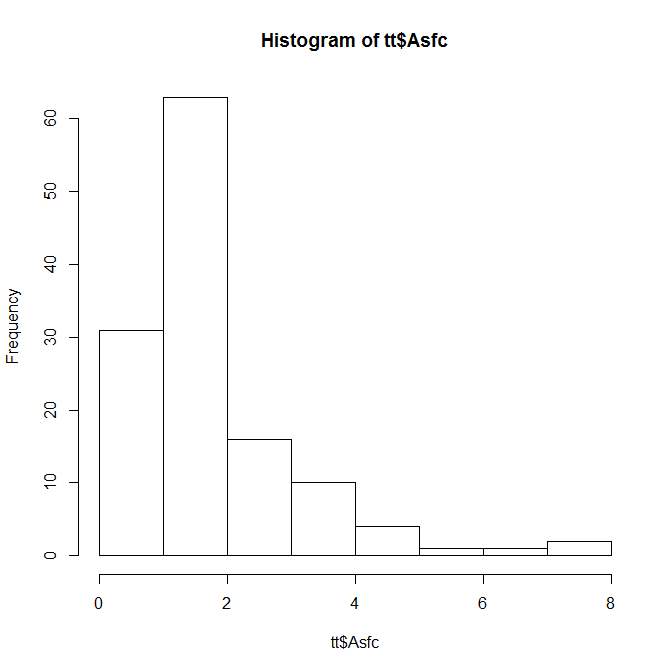
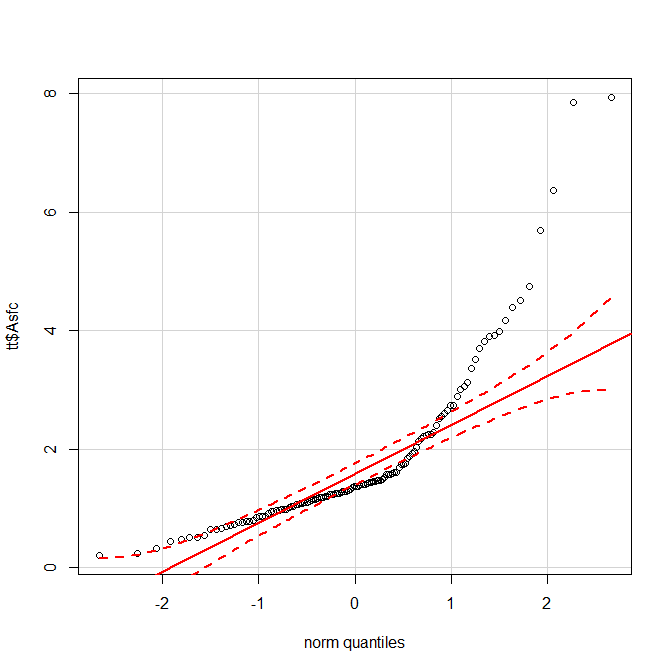
Natural logarithm transformed

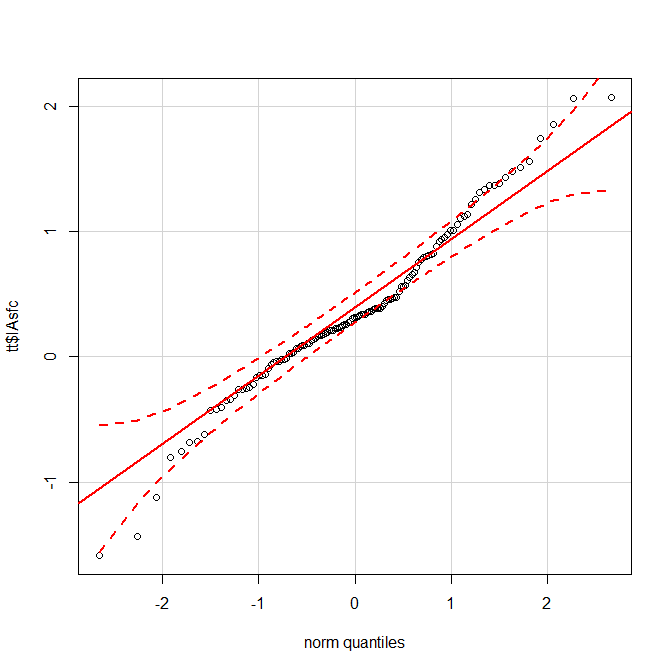
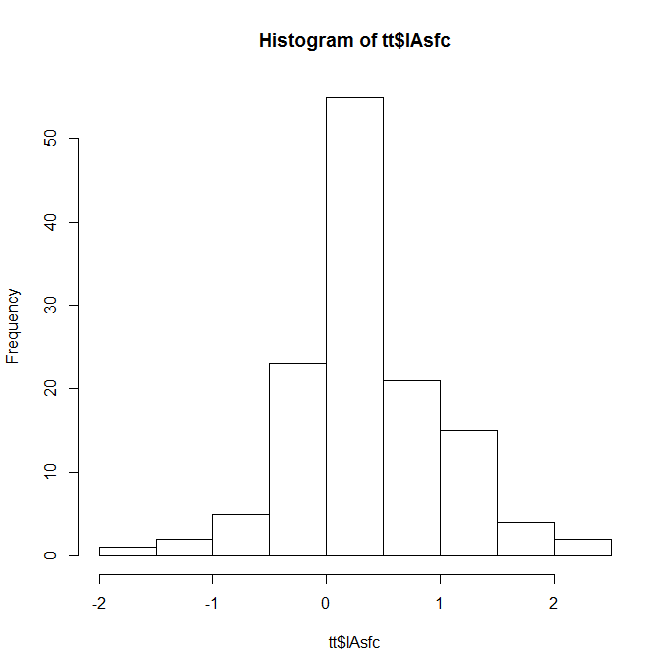
***Thylogale thetis***

*Asfc*

Raw

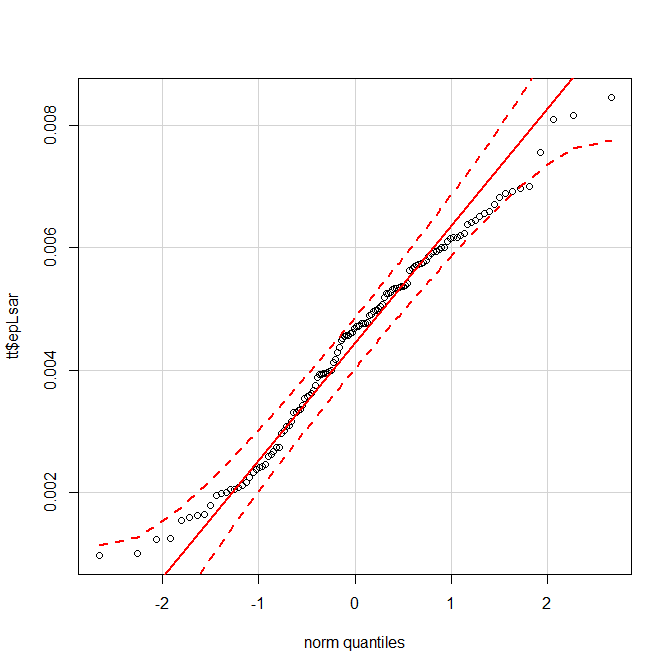
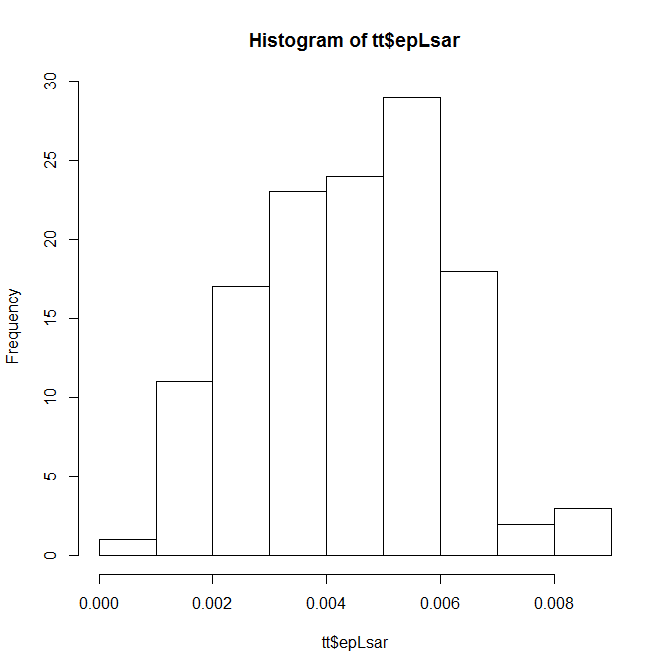
 

Natural logarithm transformed



*epLsar*

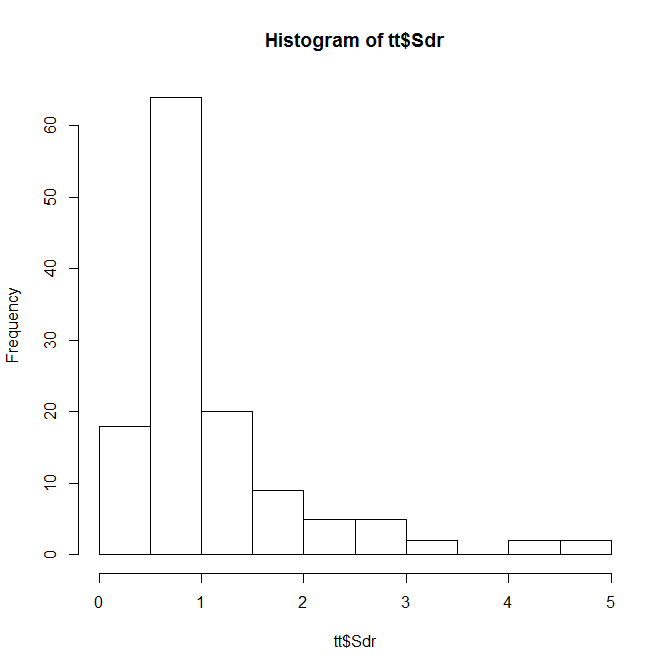
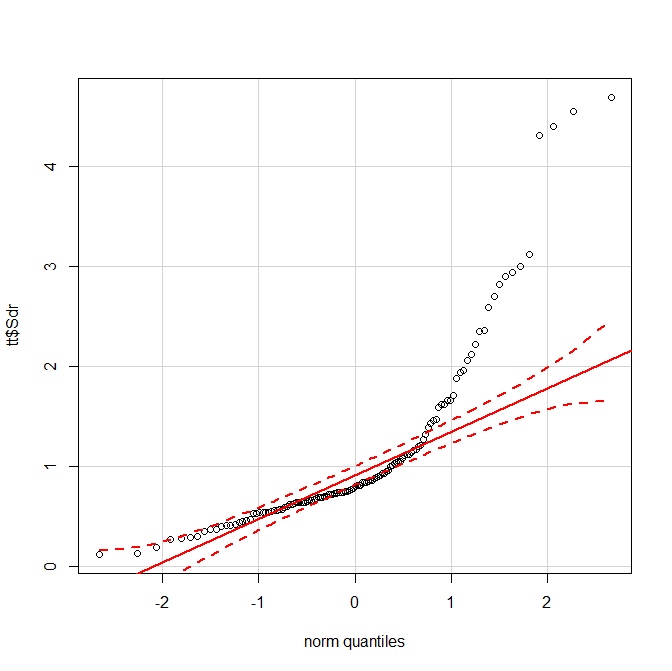
Raw



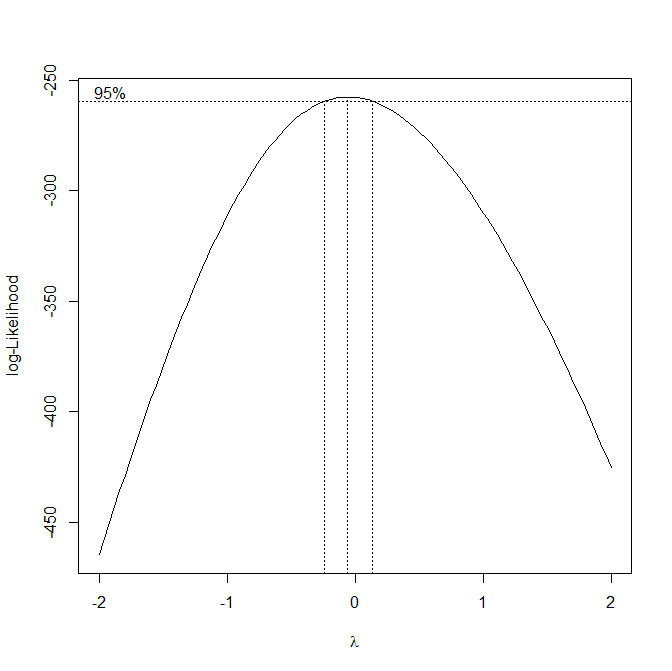
No transformation needed.

*Sdr*

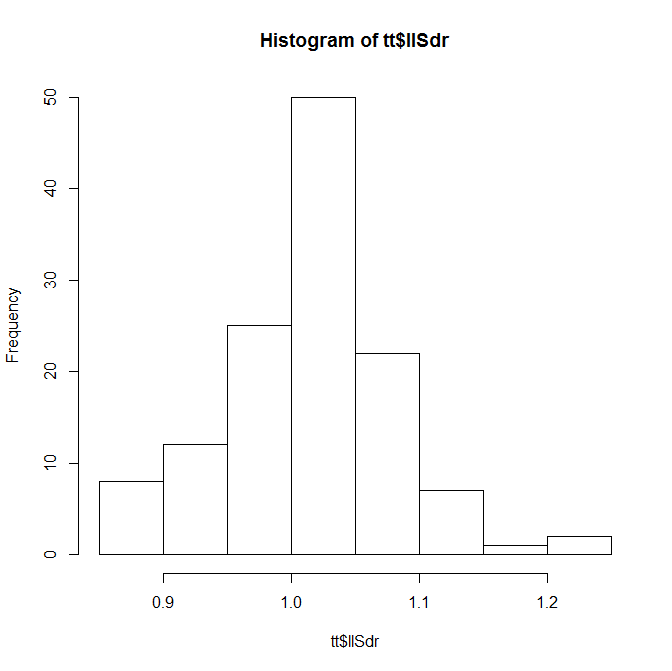
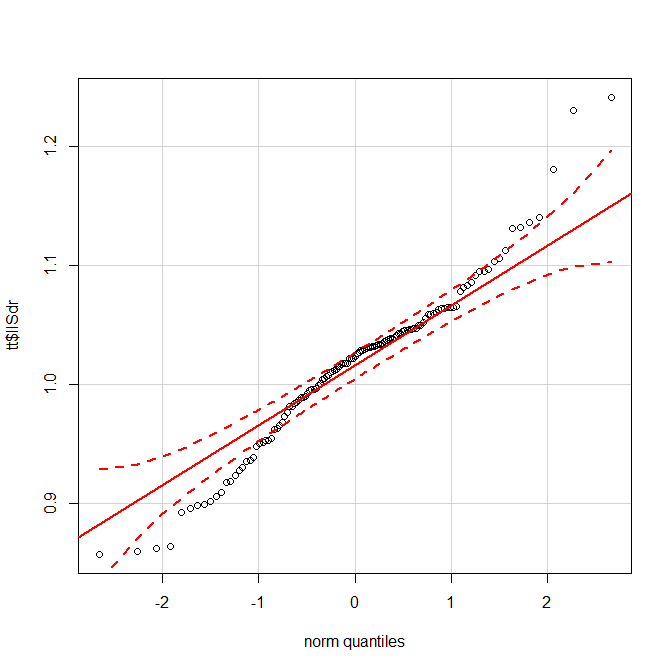
Raw

Boxcox log-likelihood plot

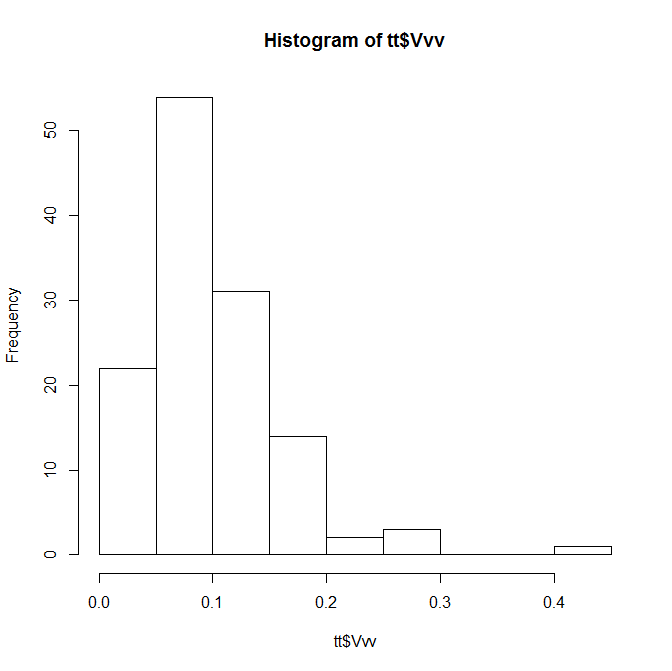
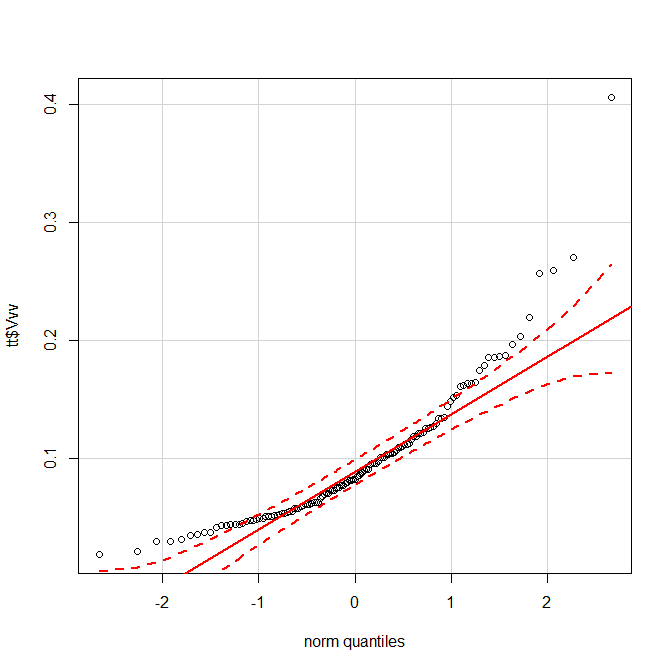


Sdr^-0.1

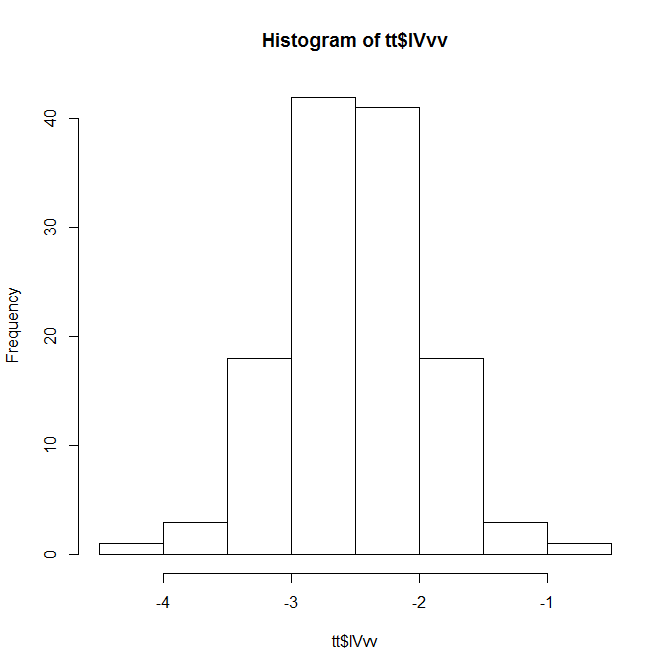
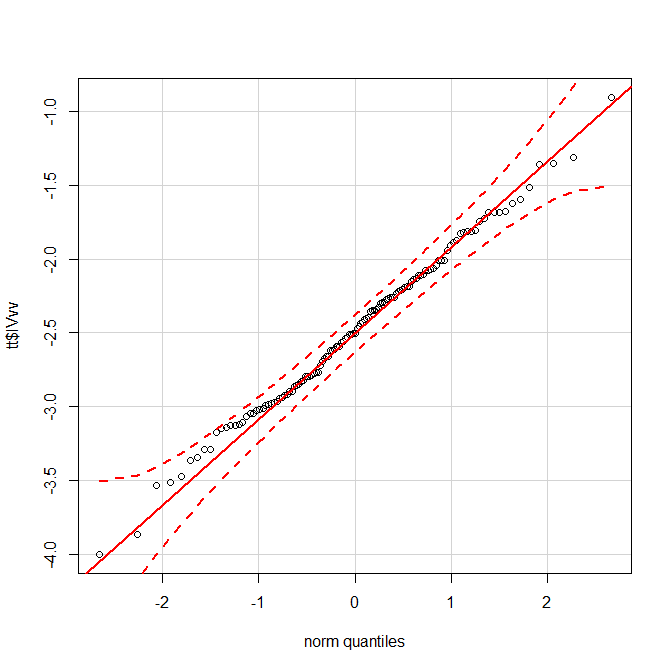
 

*Vvv*

Raw

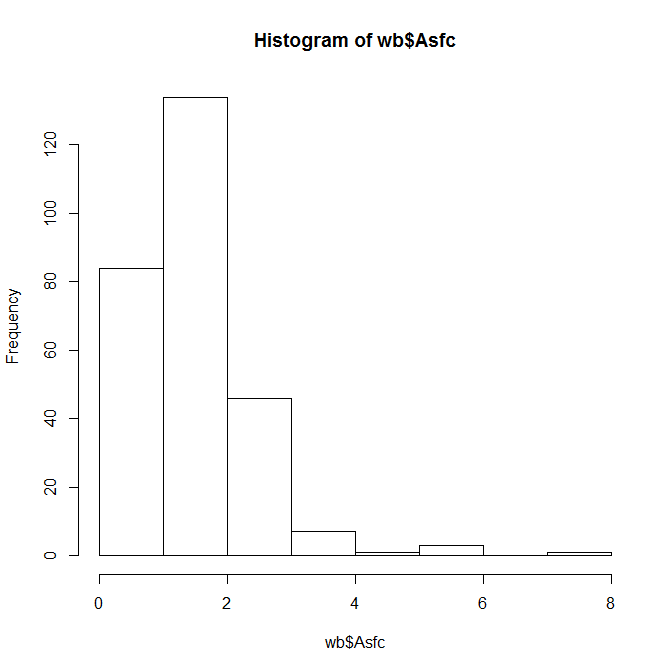
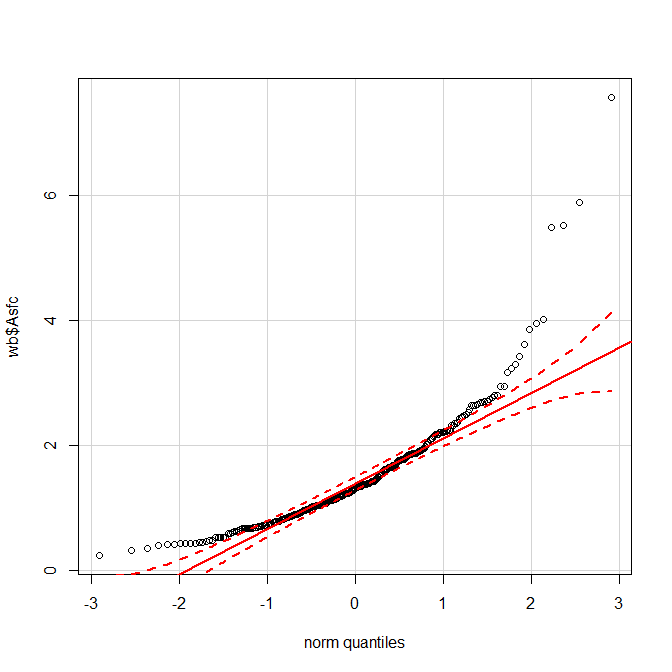
Natural logarithm transformed

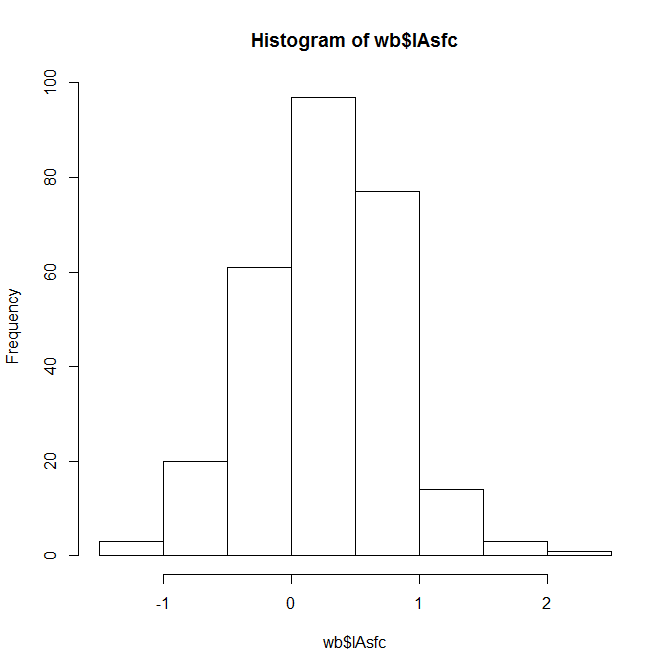
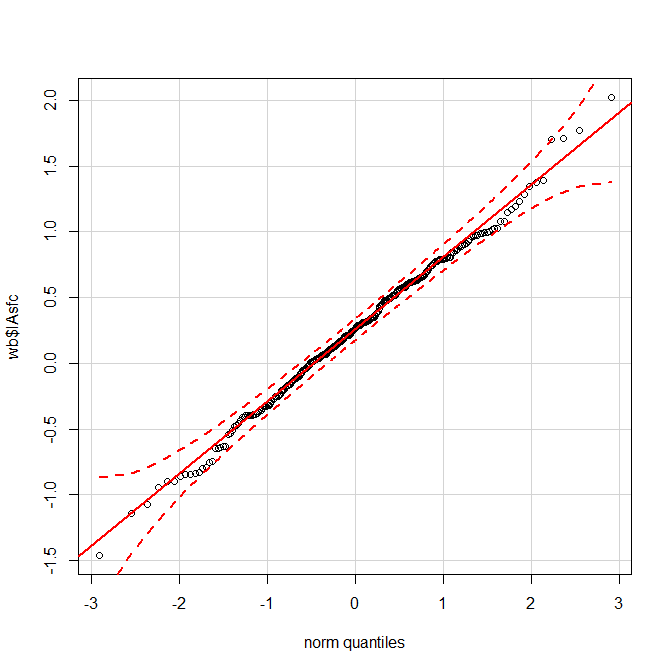
***Wallabia bicolor***

*Asfc*

Raw

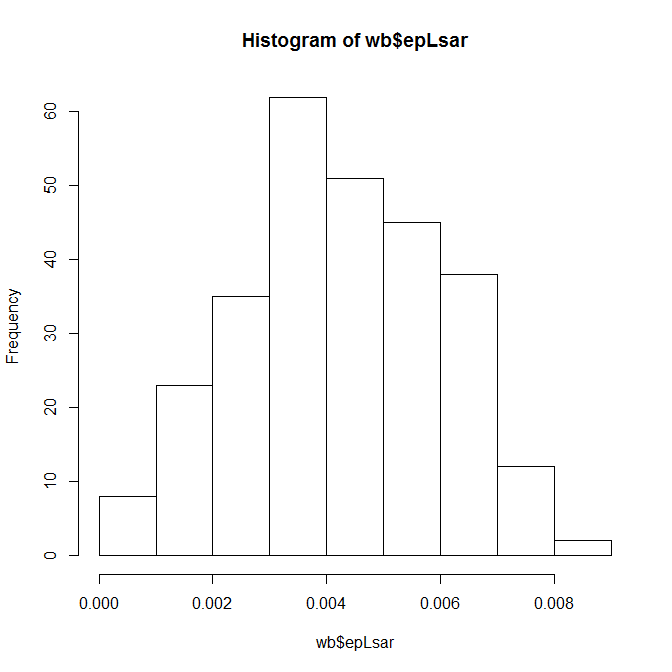
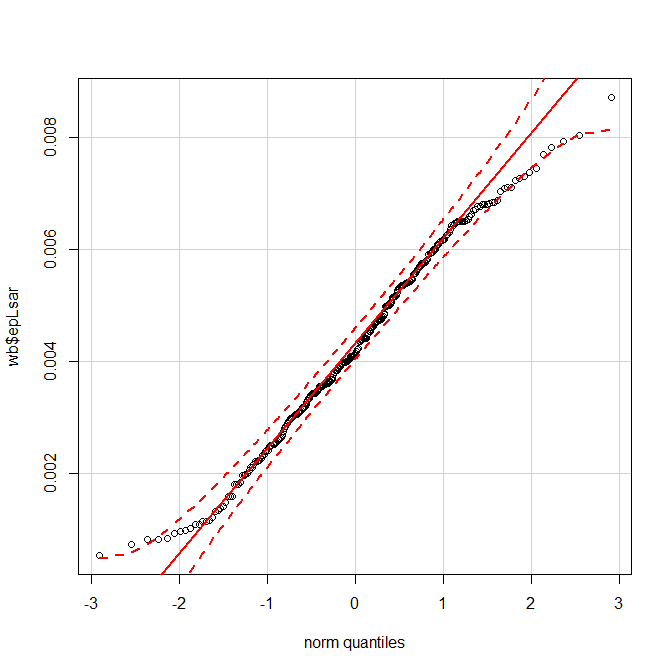
 

Natural logarithm transformed

*epLsar*

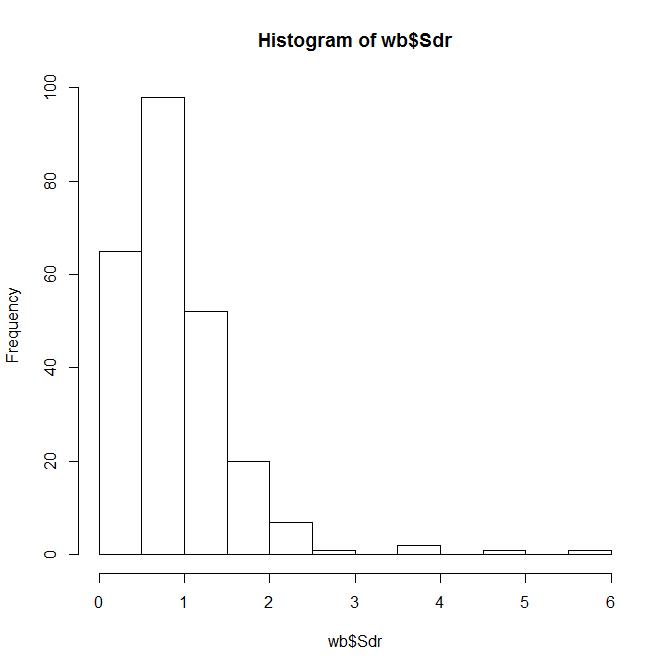
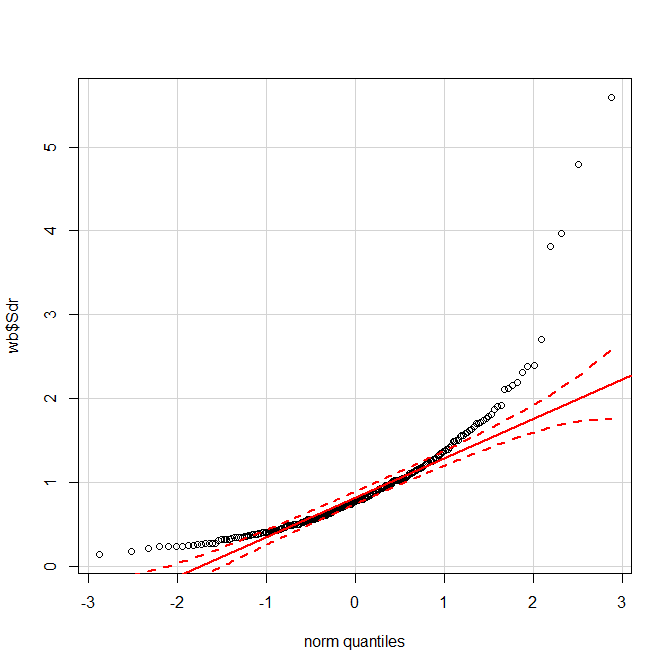
Raw

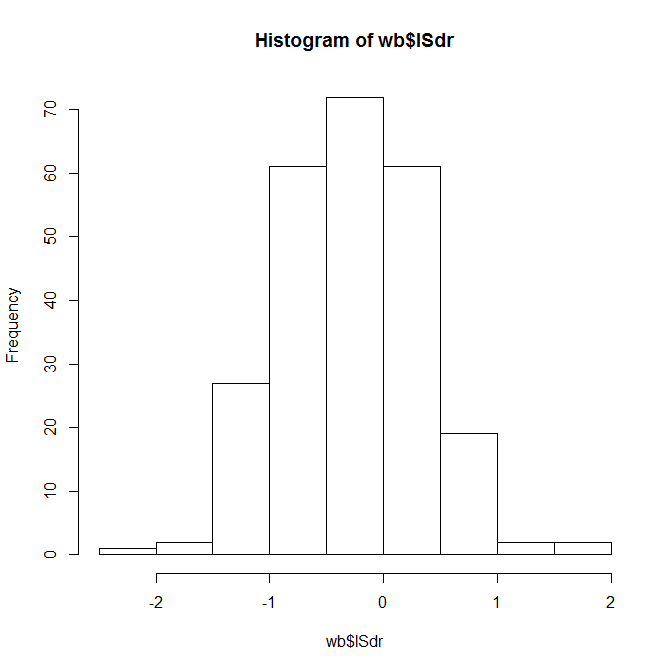
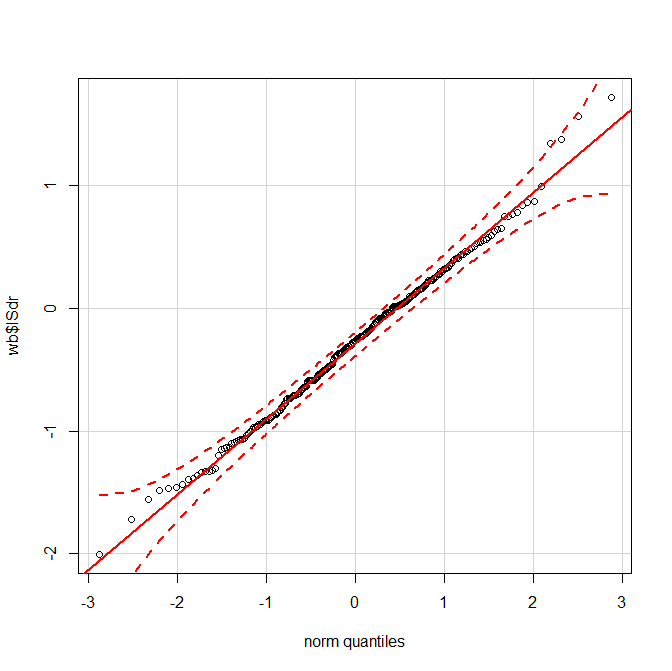
No transformation needed.

*Sdr*

Raw

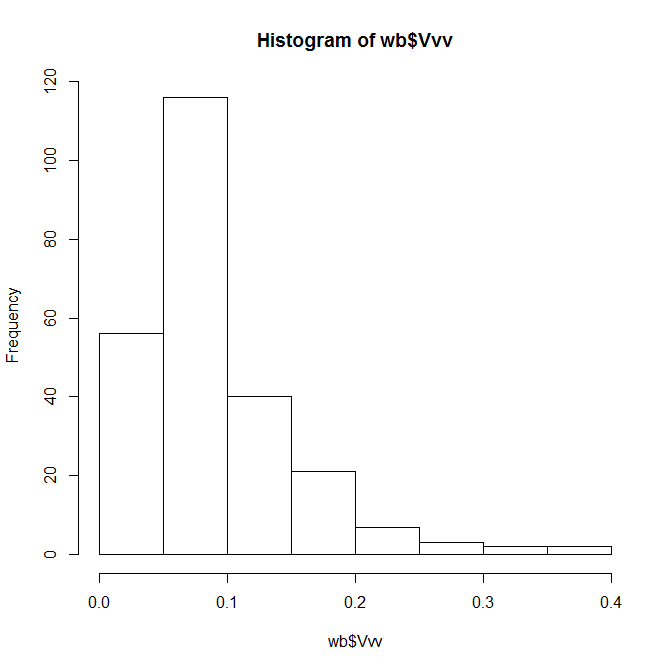
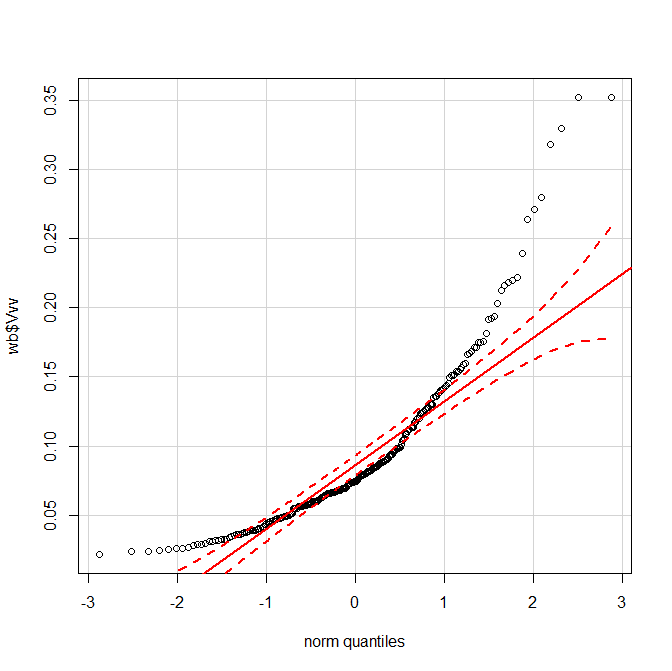
 

Natural logarithm transformed

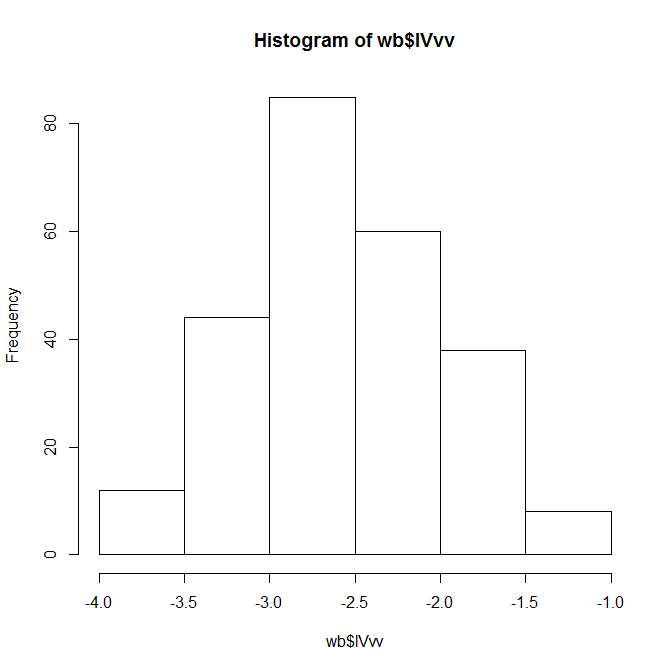
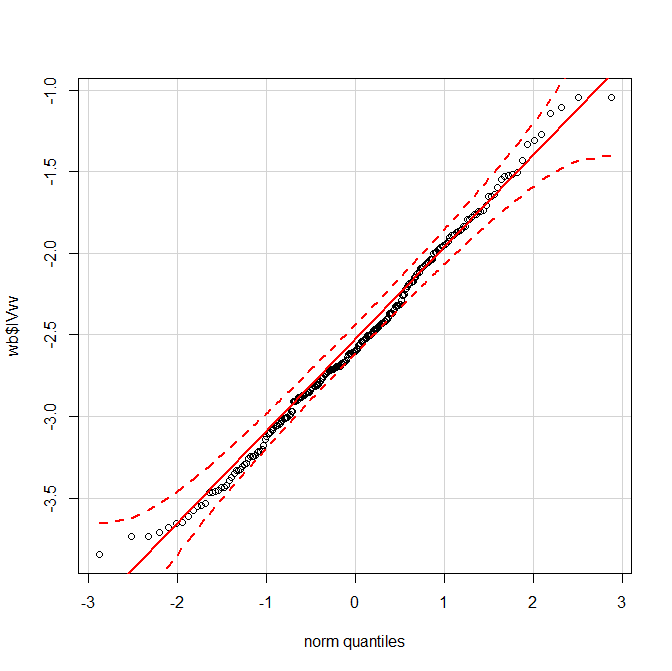
 

*Vvv*

Raw

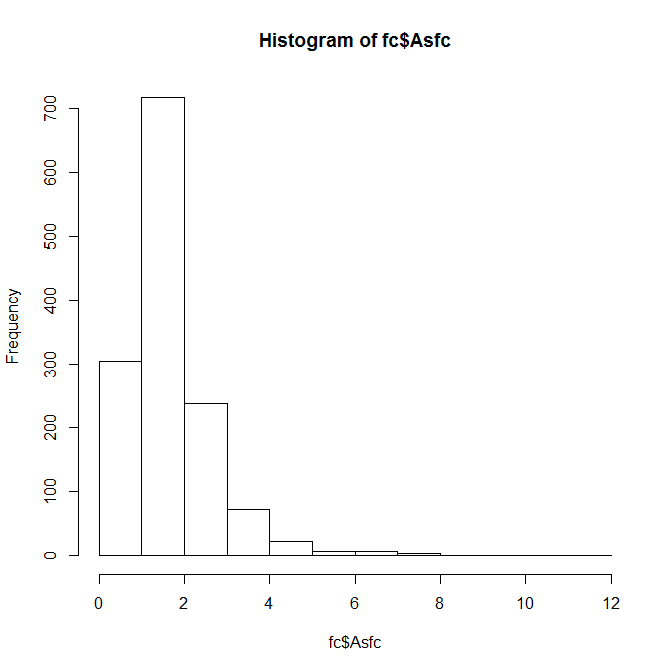
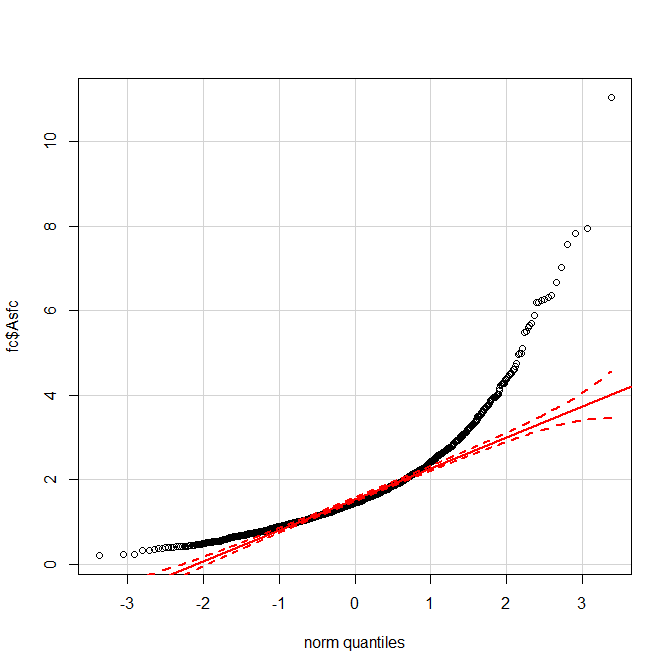
Natural logarithm transformed

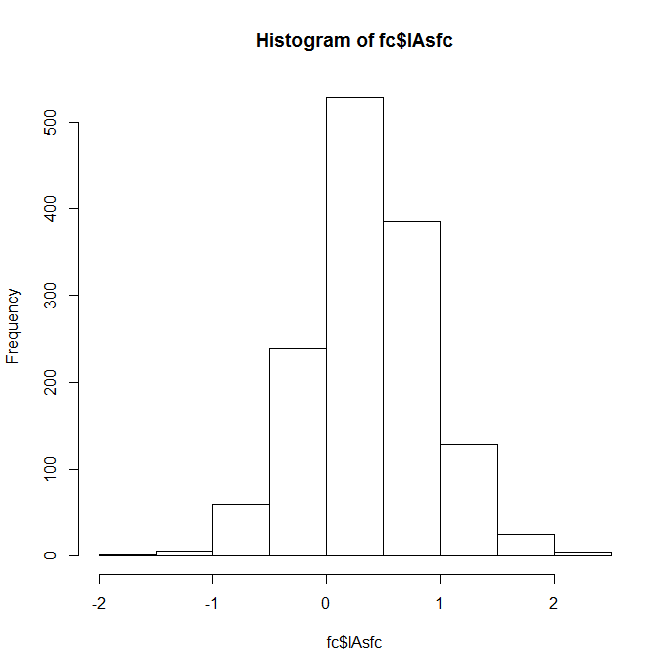
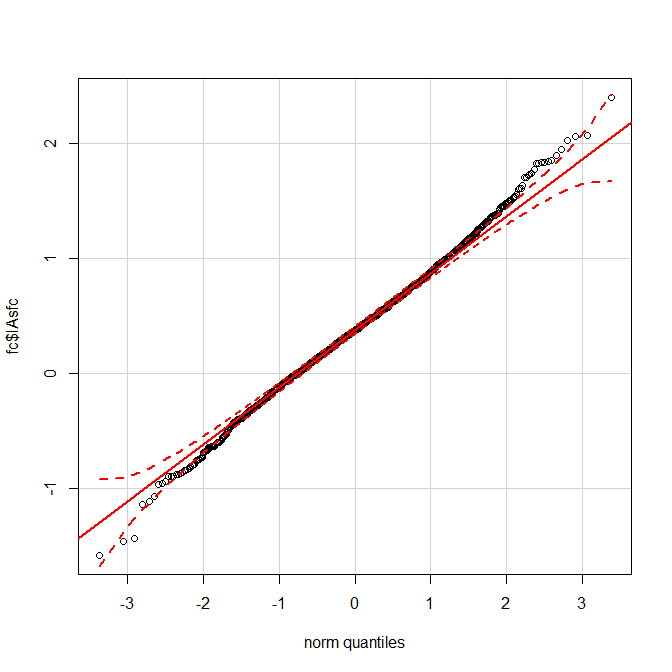
**All Taxa**

*Asfc*

Raw

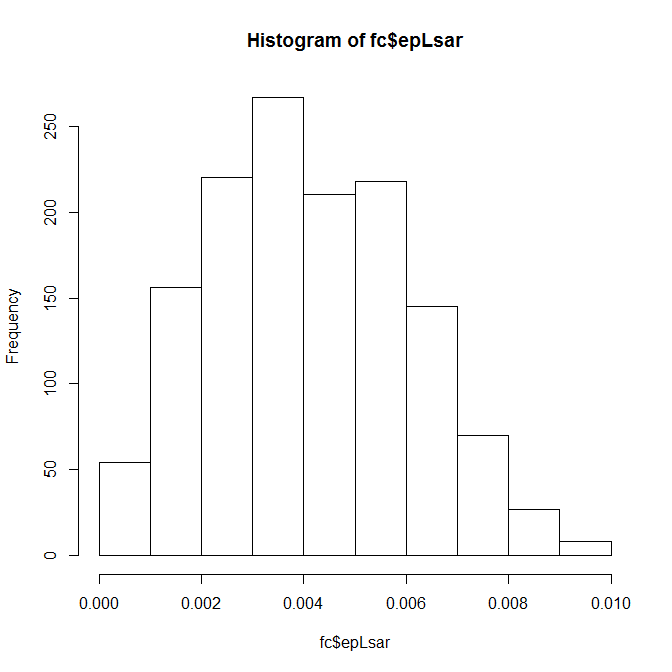
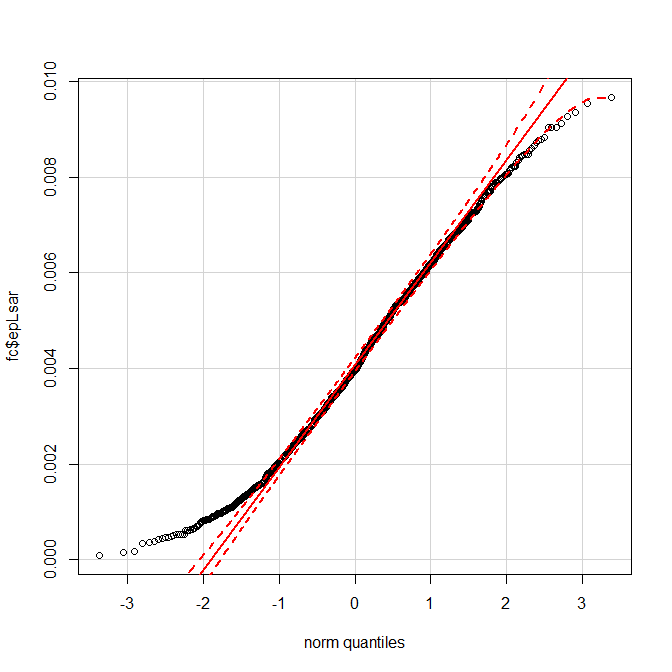
 

Natural logarithm transformed

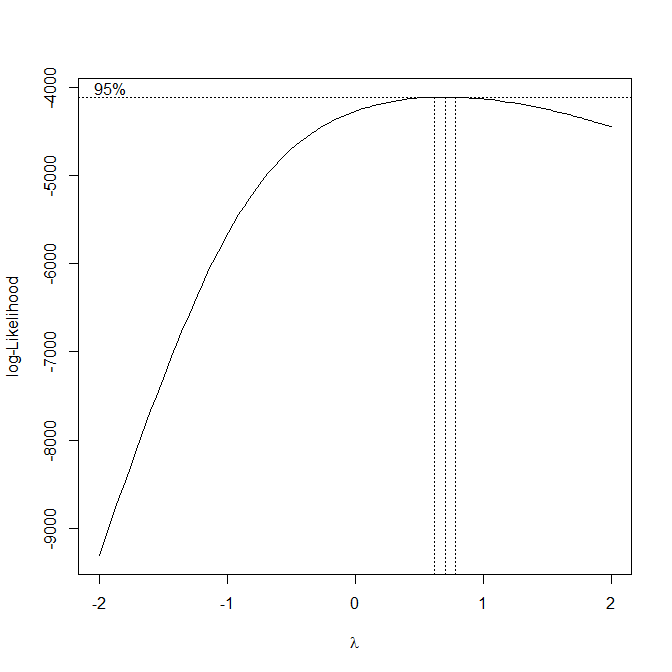
 

*epLsar*

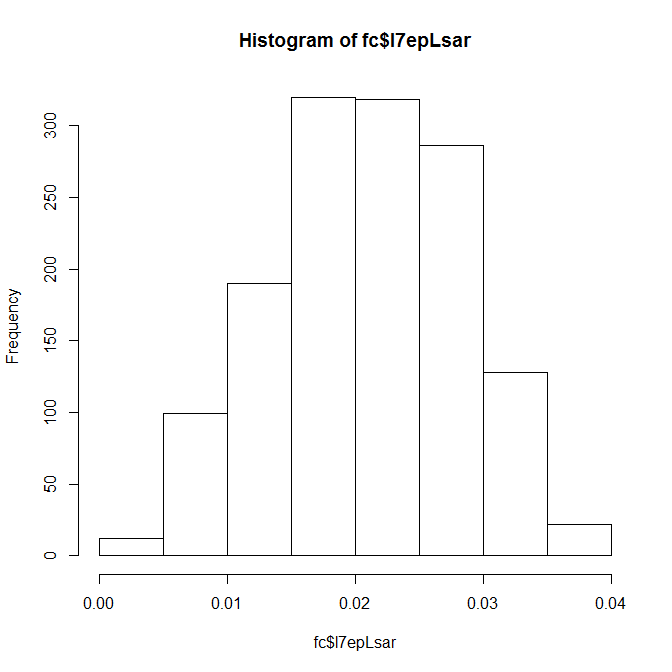
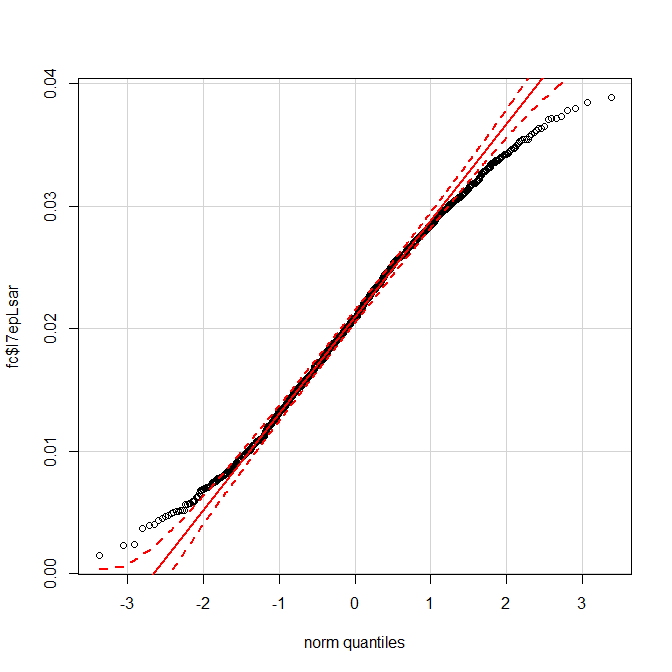
Raw

Boxcox log-likelihood

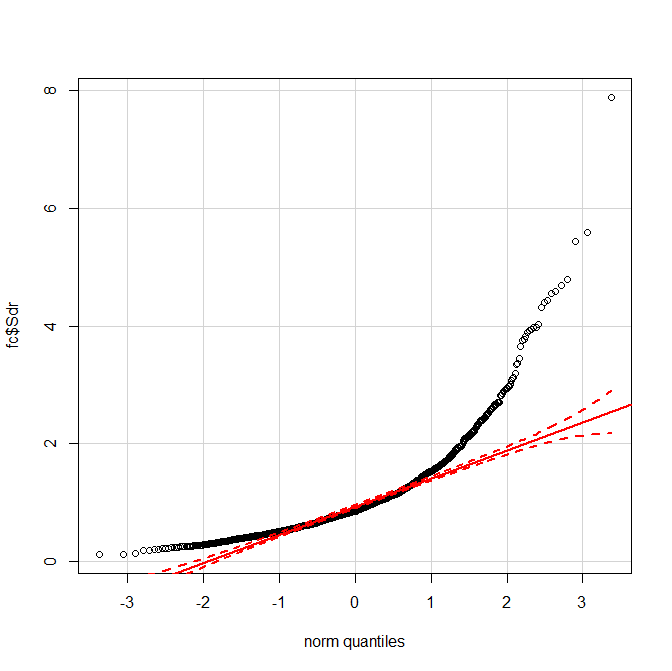
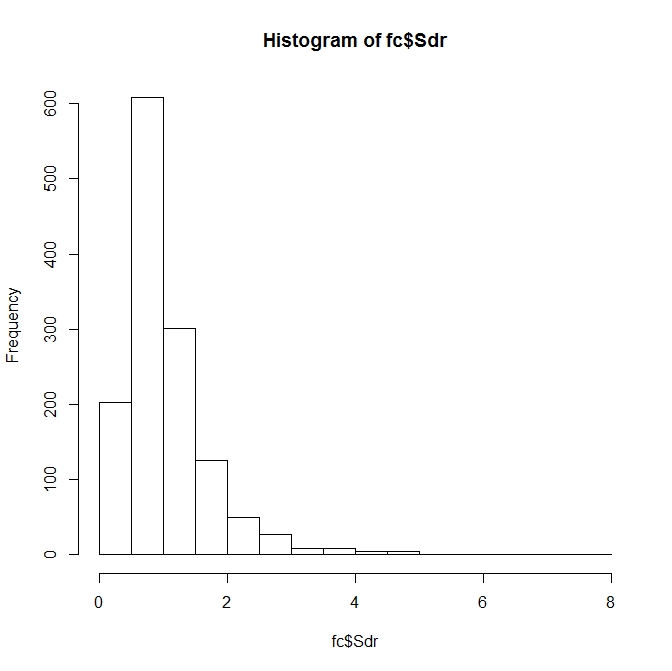


epLsar ^0.7

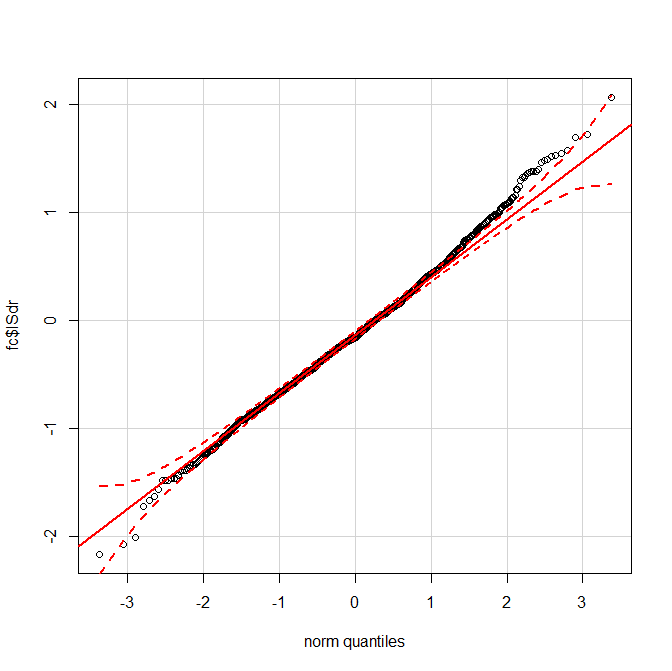
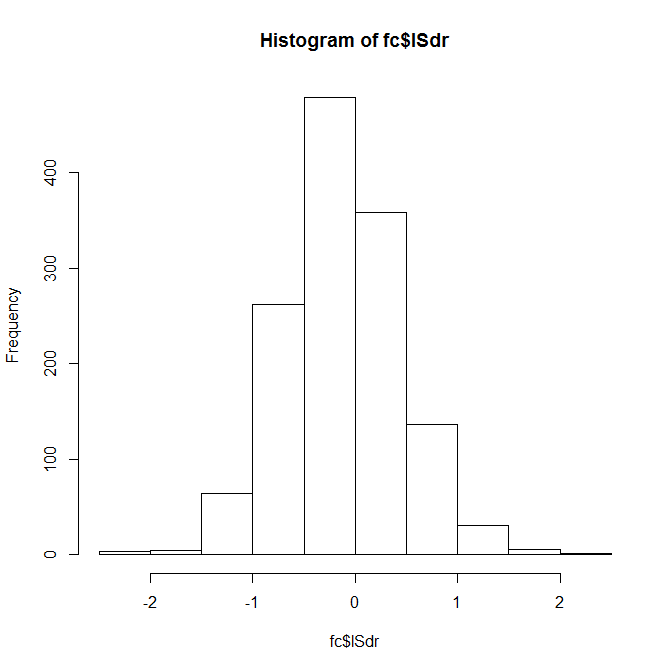
 

*Sdr*

Raw

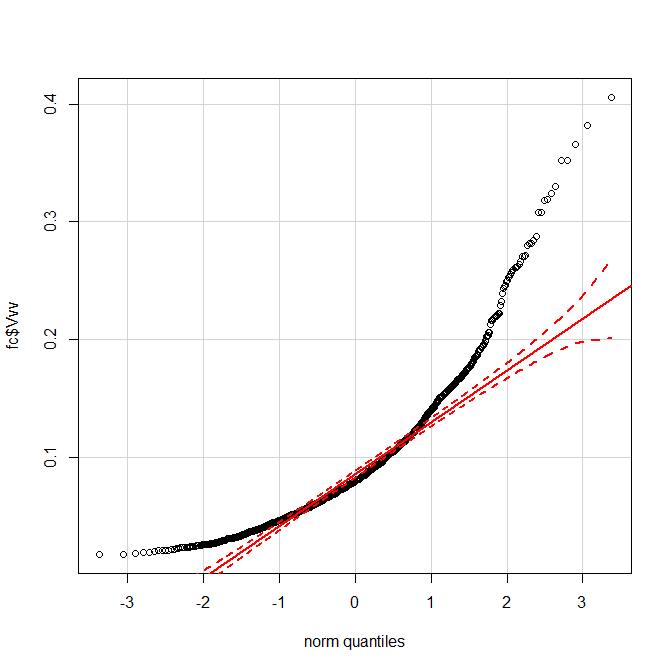


Natural logarithm transformed



*Vvv*

Raw



Natural logarithm transformed

