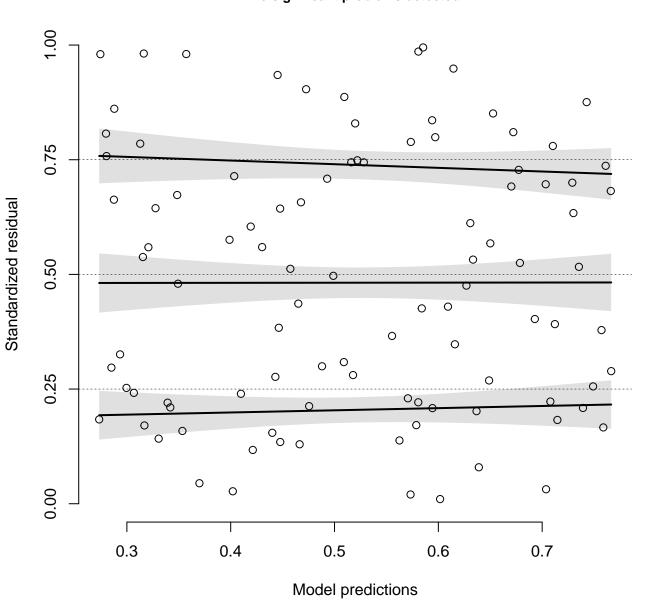
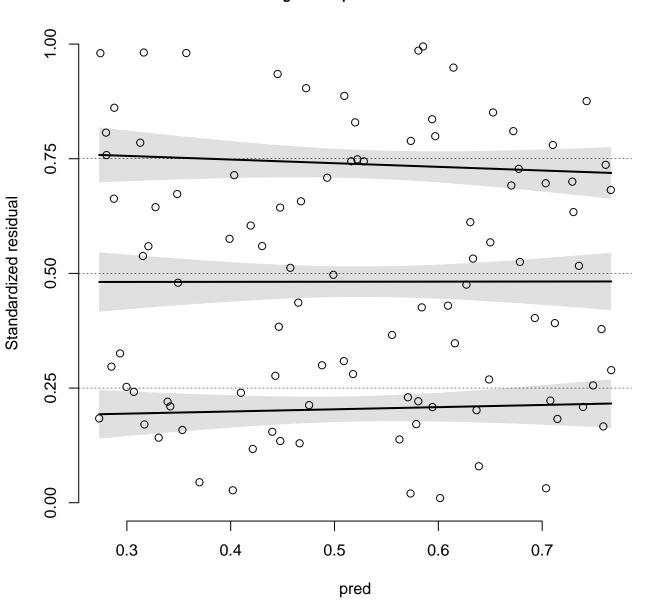


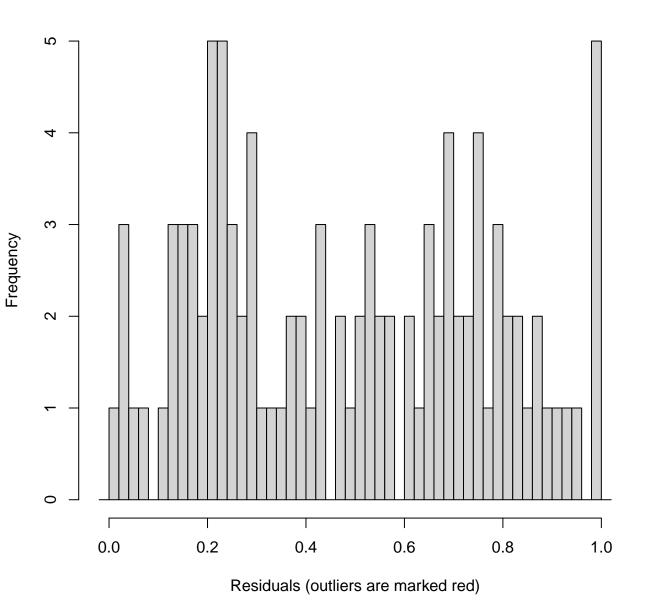
## Residual vs. predicted No significant problems detected

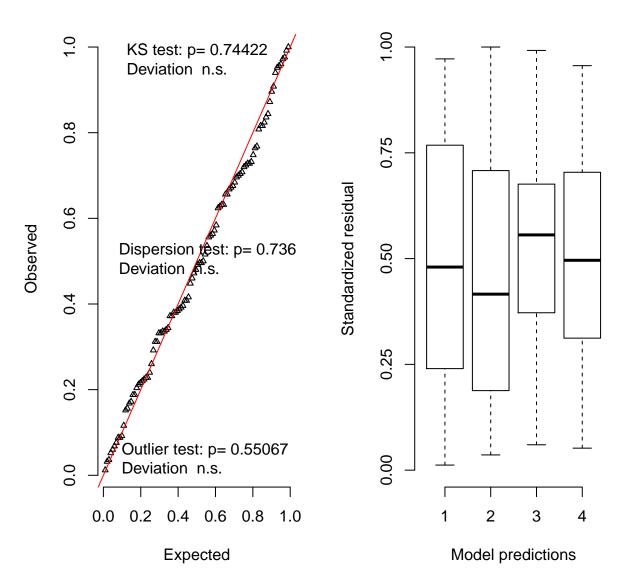


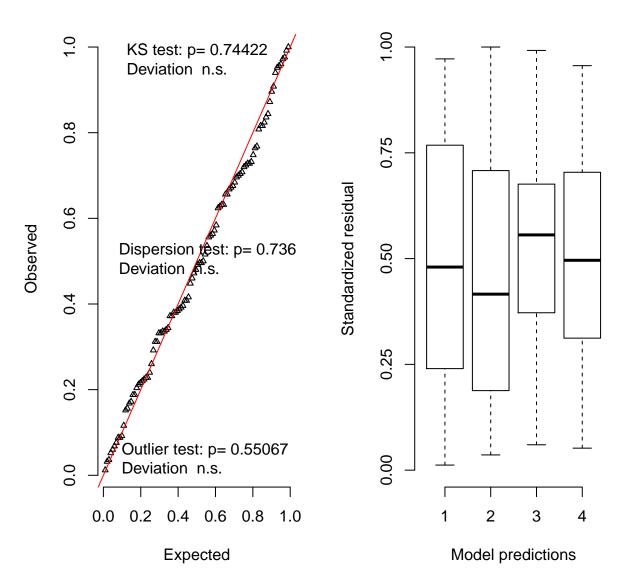
## Residual vs. predicted No significant problems detected

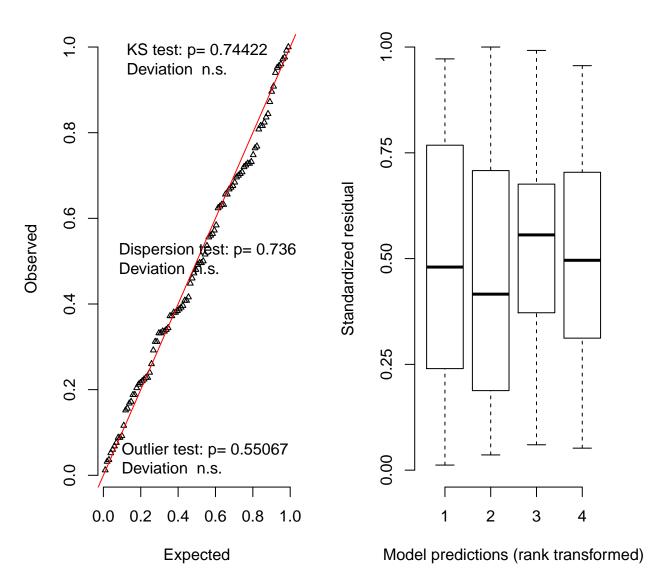


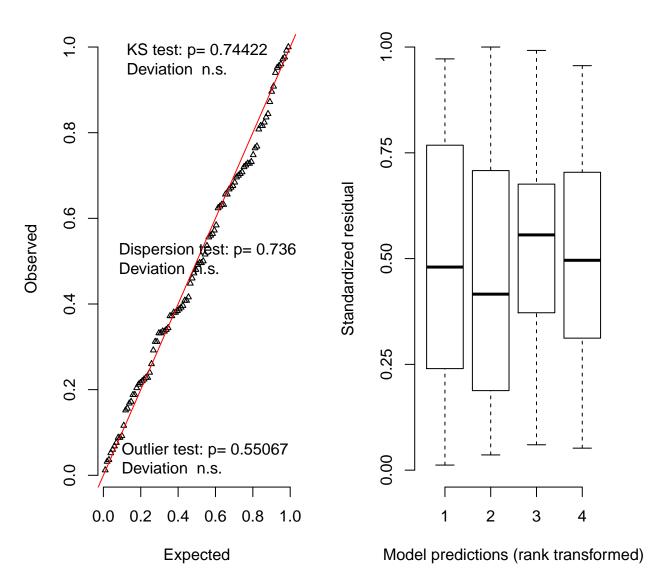
#### **Hist of DHARMa residuals**

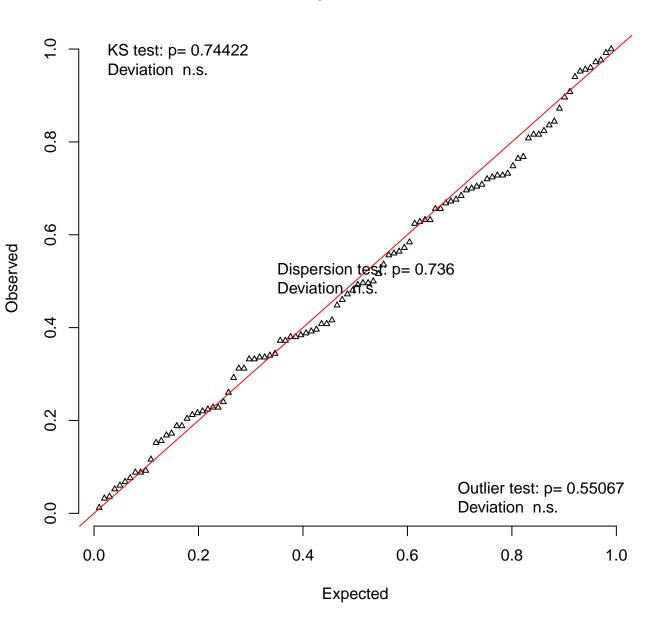


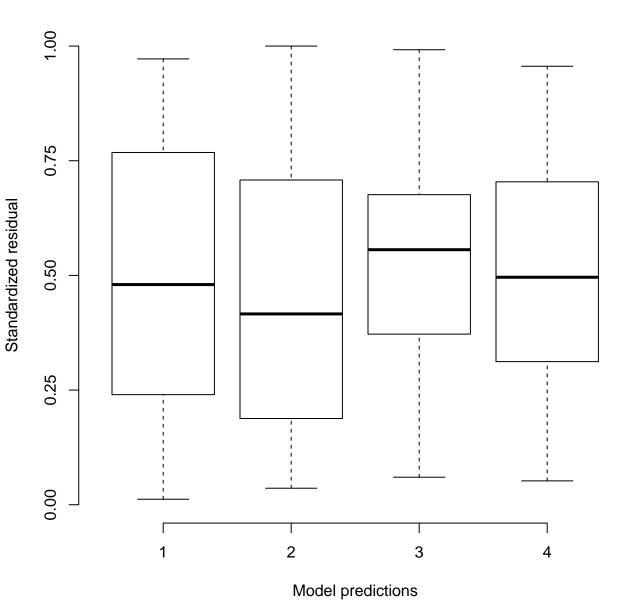


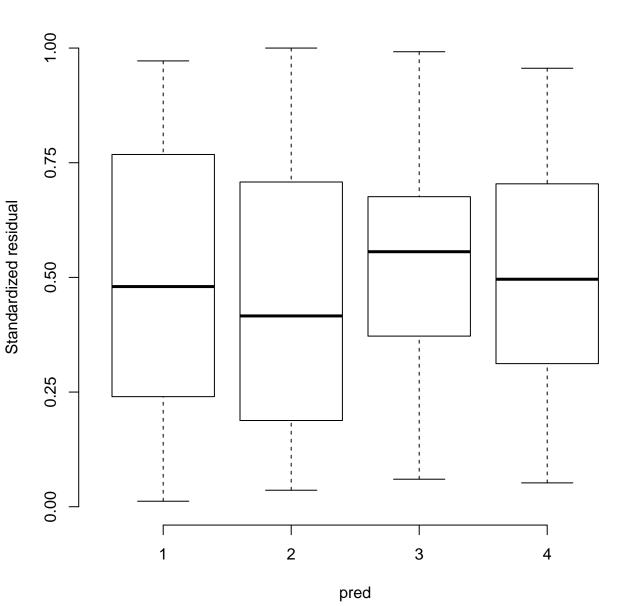




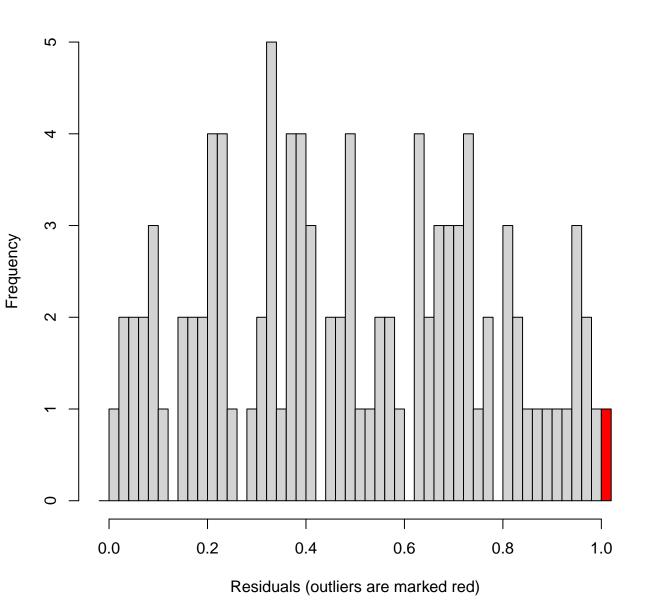


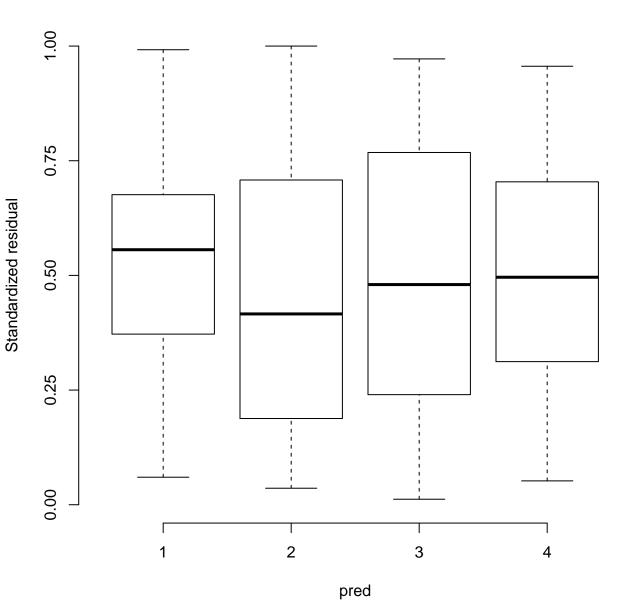


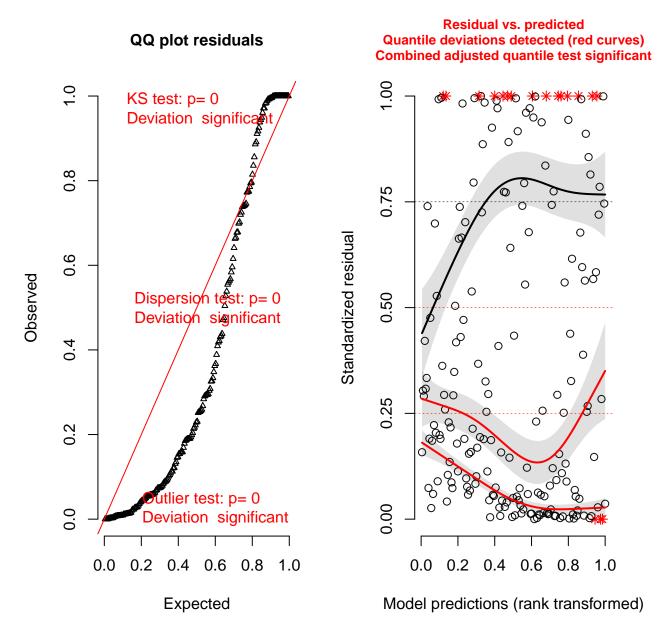




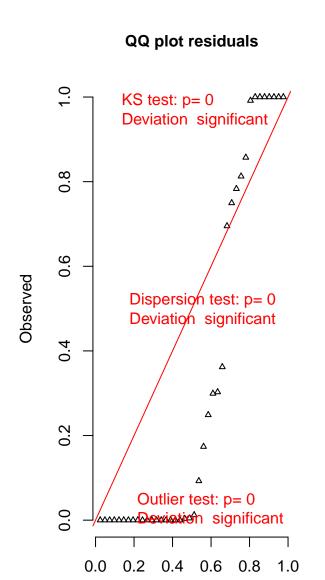
#### **Hist of DHARMa residuals**





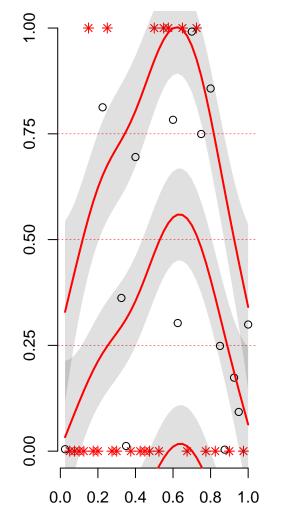


Standardized residual

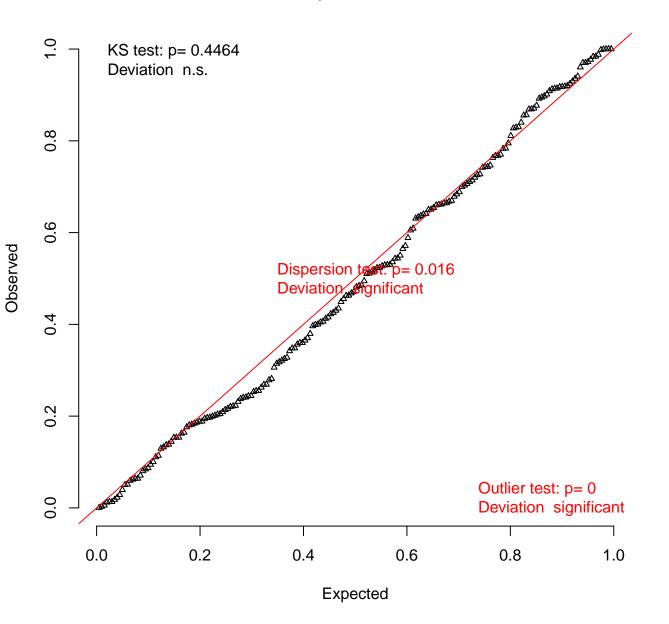


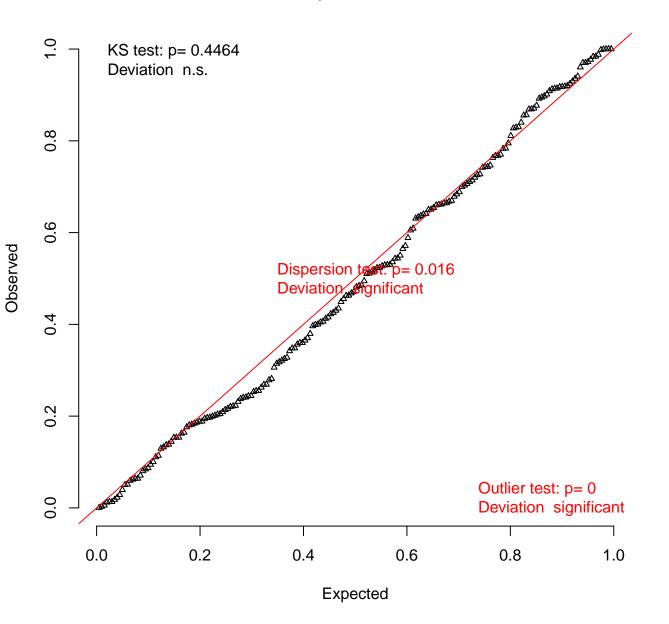
**Expected** 

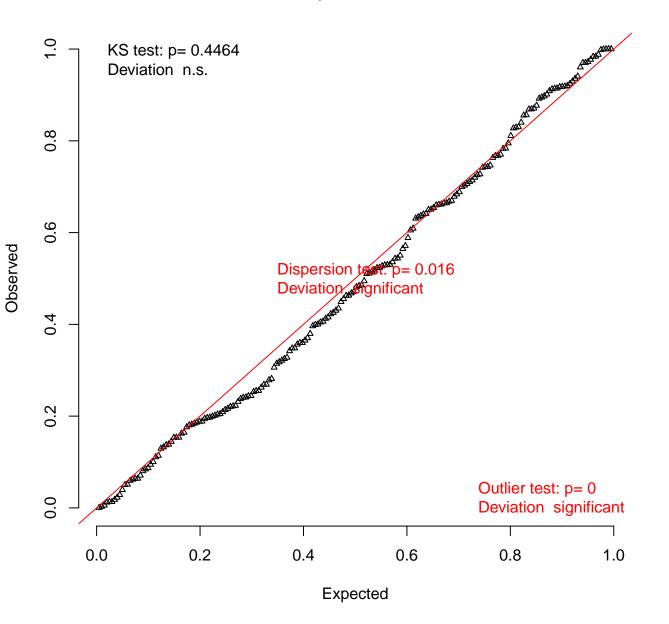
Residual vs. predicted
Quantile deviations detected (red curves)
Combined adjusted quantile test significant

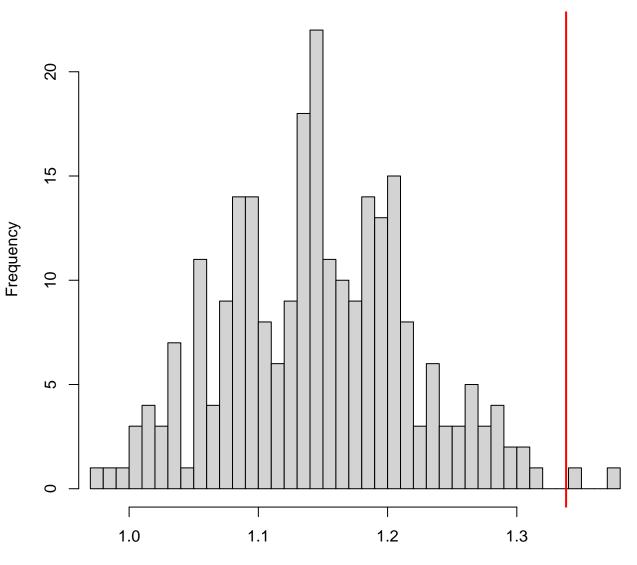


Model predictions (rank transformed)

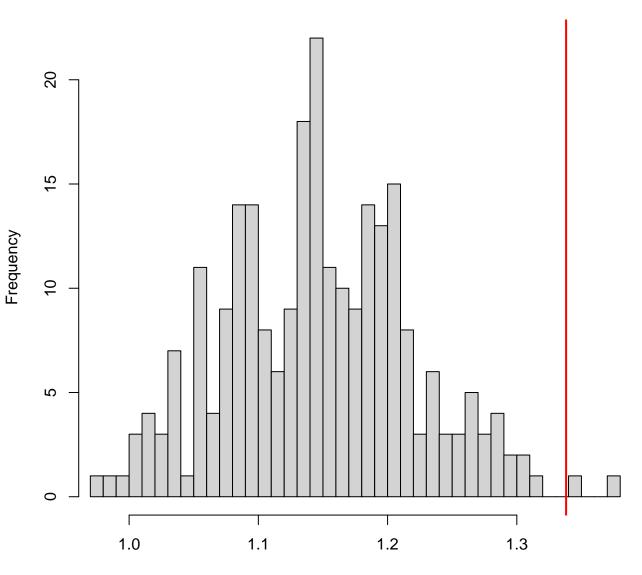




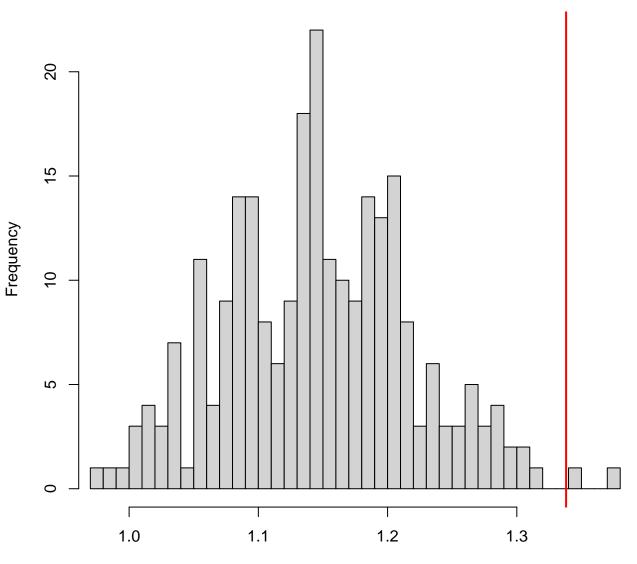




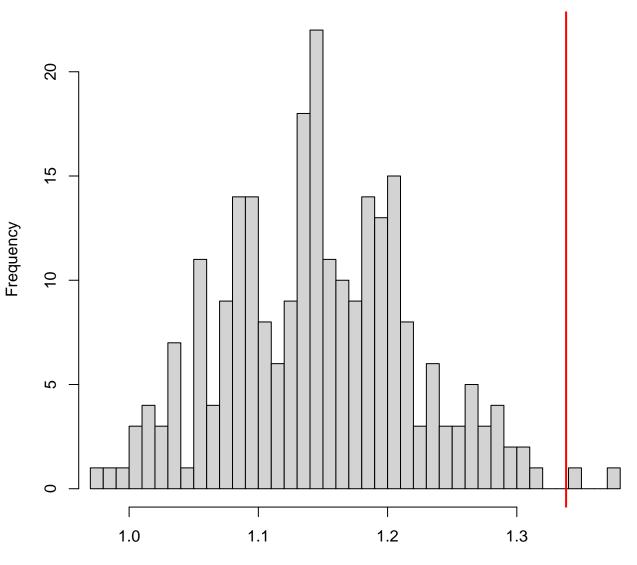
Simulated values, red line = fitted model. p-value (two.sided) = 0.016



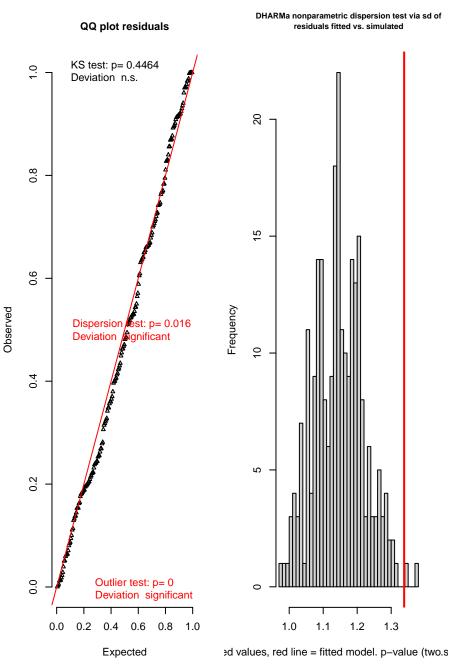
Simulated values, red line = fitted model. p-value (less) = 0.992

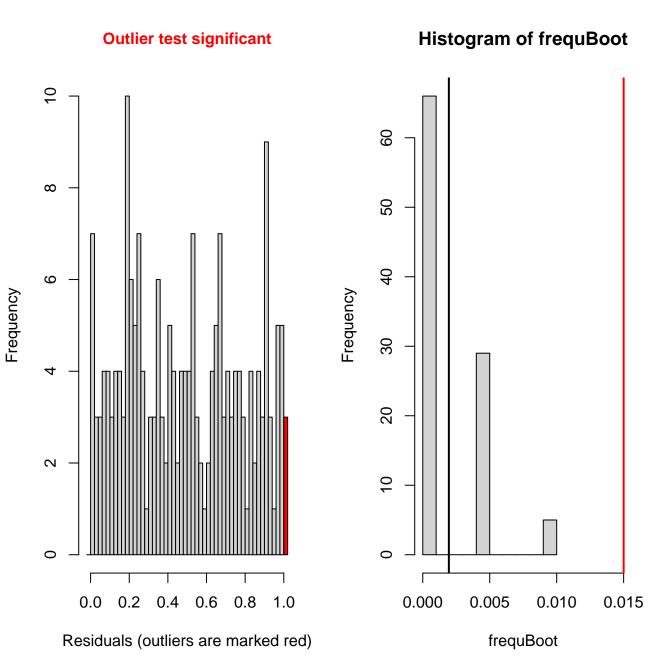


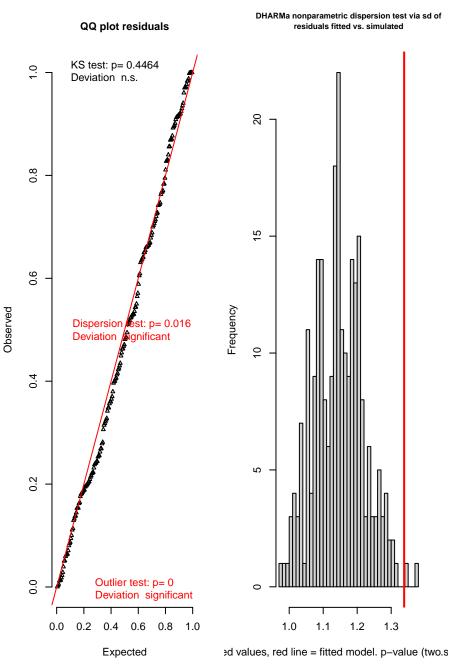
Simulated values, red line = fitted model. p-value (greater) = 0.008

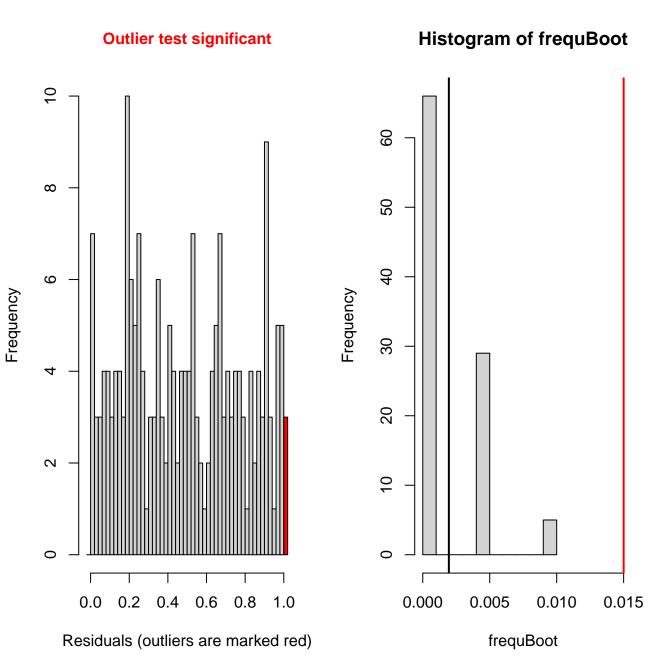


Simulated values, red line = fitted model. p-value (two.sided) = 0.016

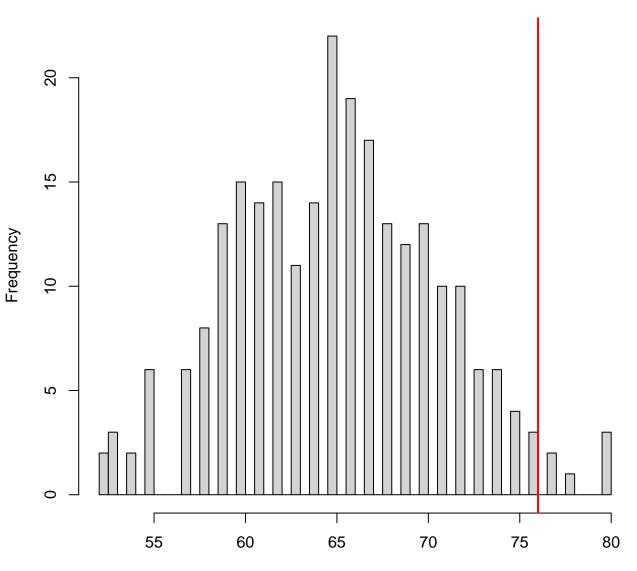






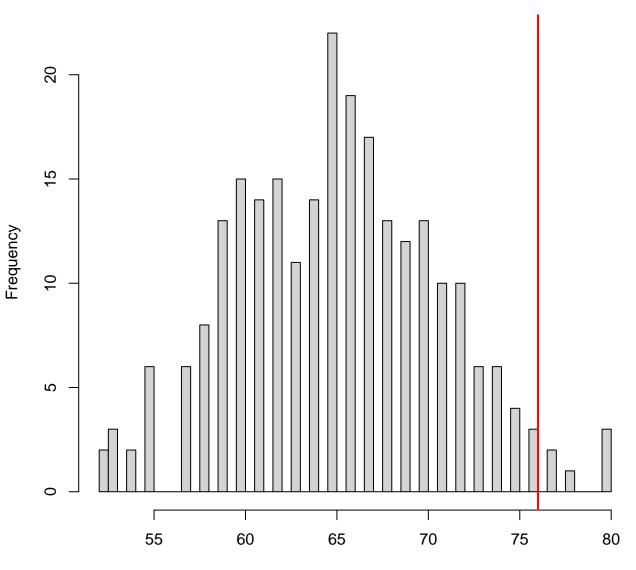


DHARMa zero-inflation test via comparison to expected zeros with simulation under H0 = fitted model

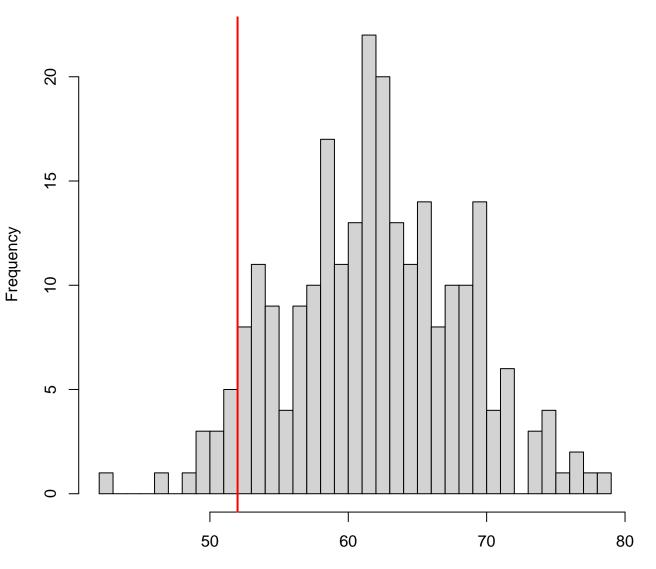


Simulated values, red line = fitted model. p-value (two.sided) = 0.072

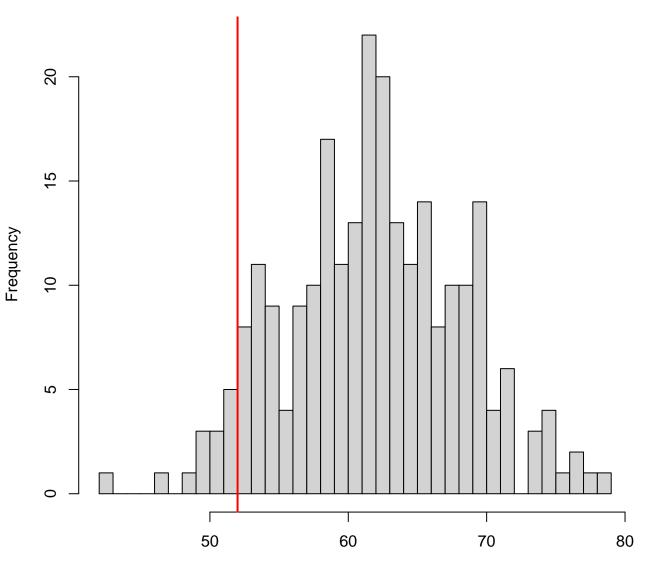
DHARMa zero-inflation test via comparison to expected zeros with simulation under H0 = fitted model



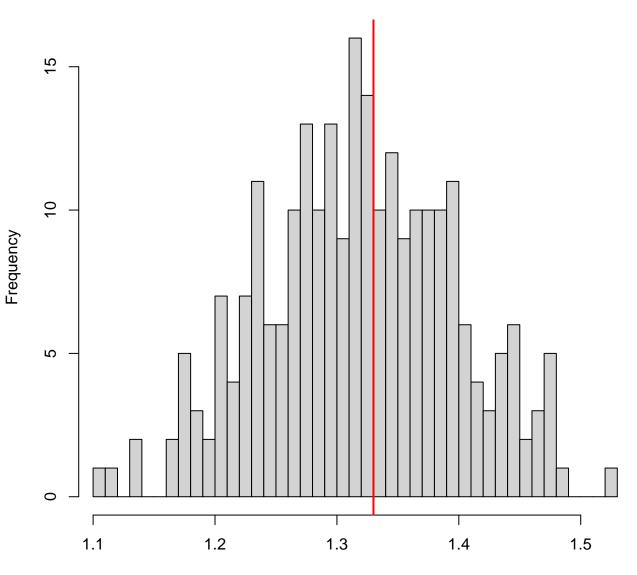
Simulated values, red line = fitted model. p-value (less) = 0.976



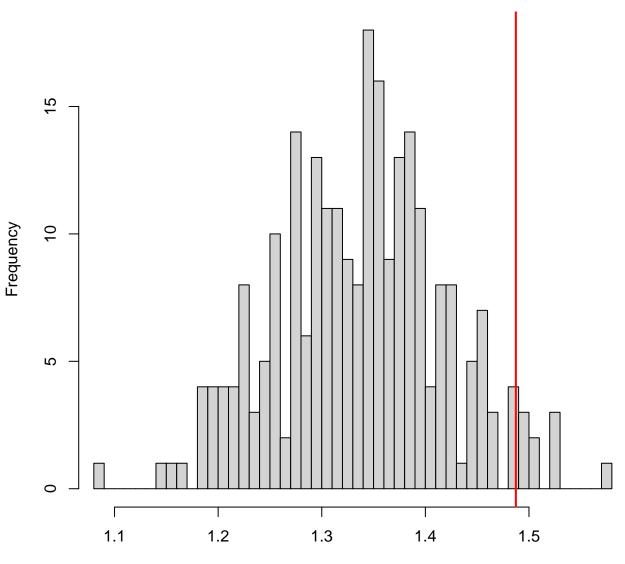
Simulated values, red line = fitted model. p-value (two.sided) = 0.112



Simulated values, red line = fitted model. p-value (less) = 0.056

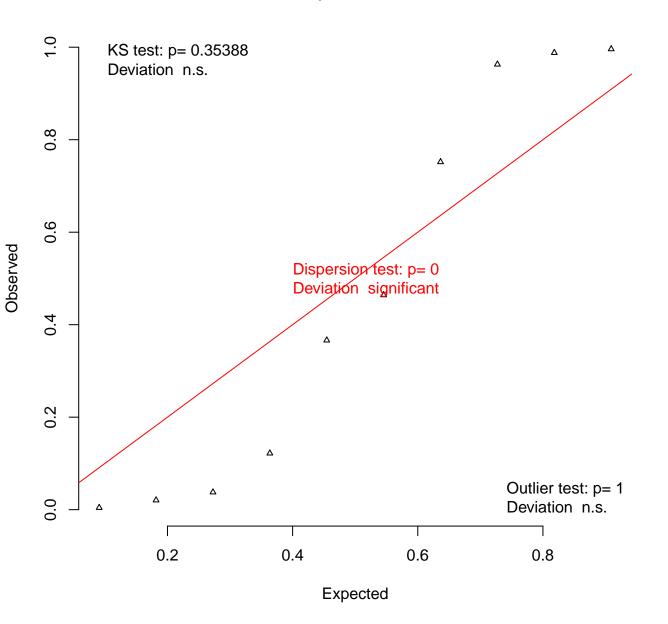


Simulated values, red line = fitted model. p-value (two.sided) = 0.896

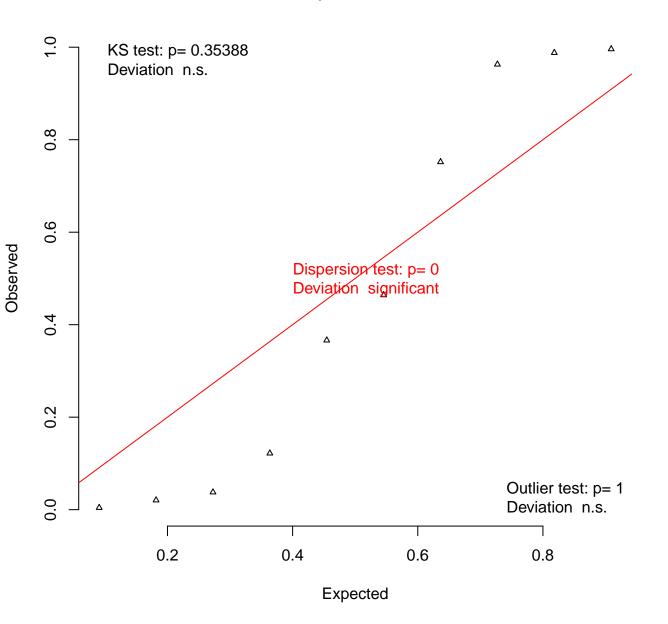


Simulated values, red line = fitted model. p-value (two.sided) = 0.072

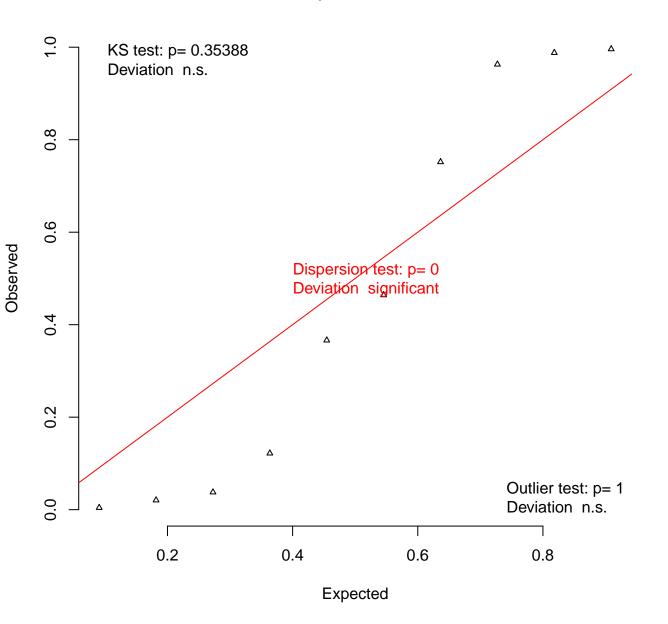
## QQ plot residuals

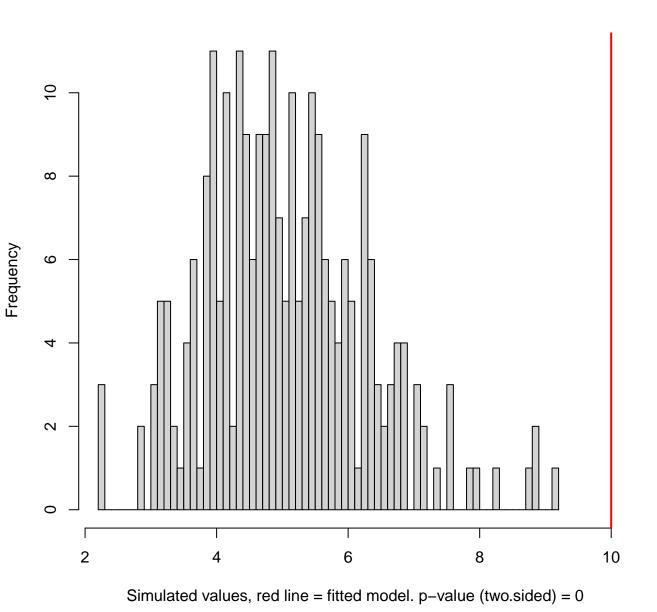


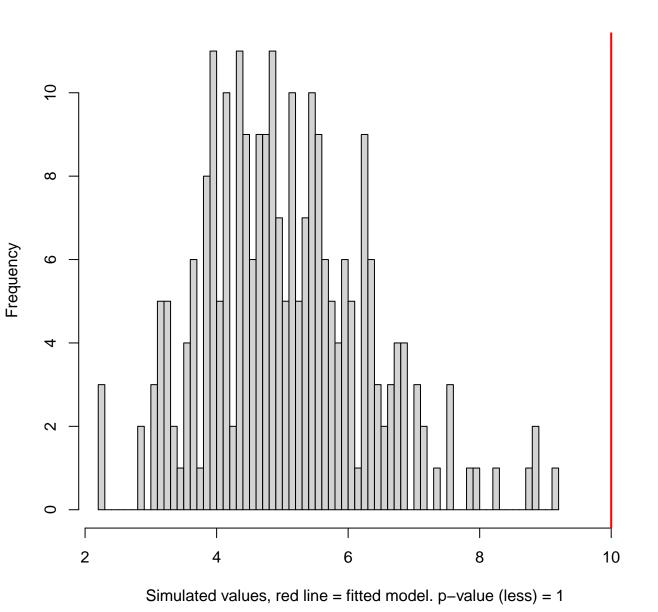
## QQ plot residuals

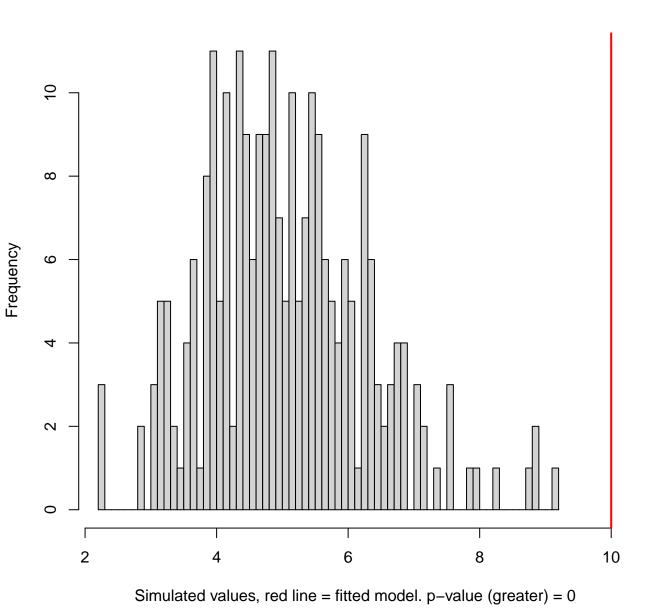


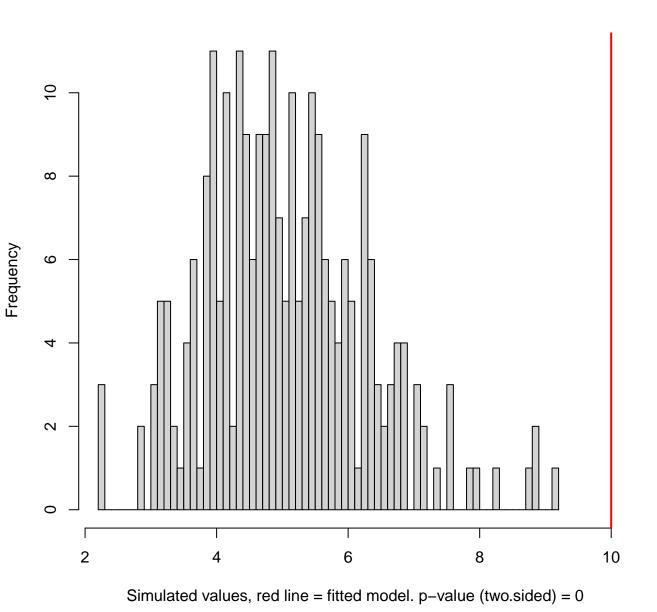
## QQ plot residuals

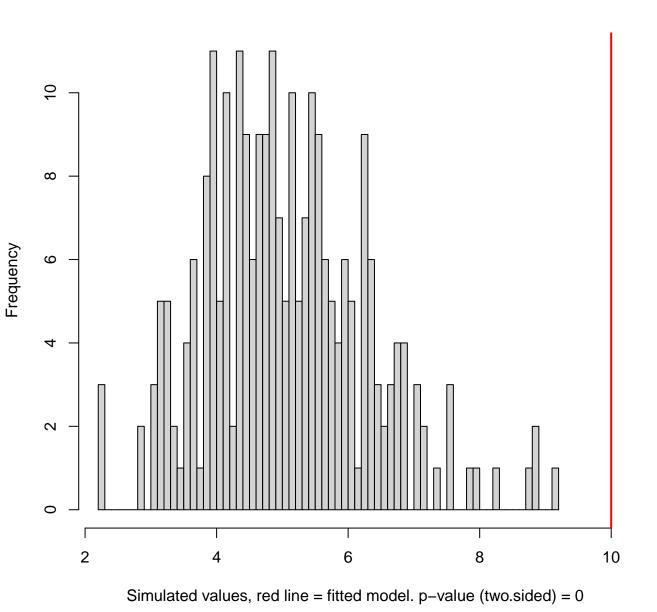


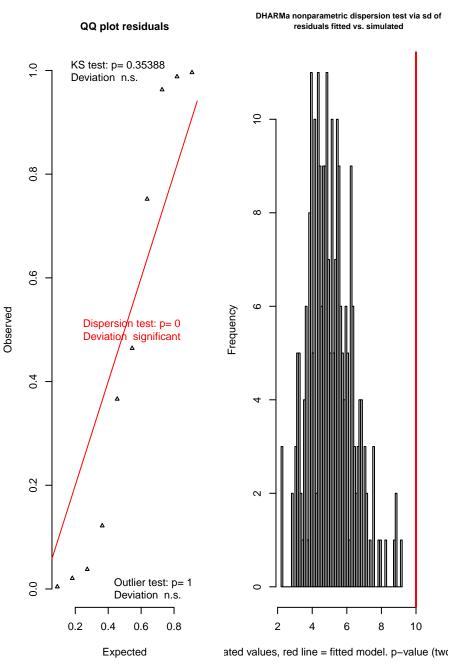


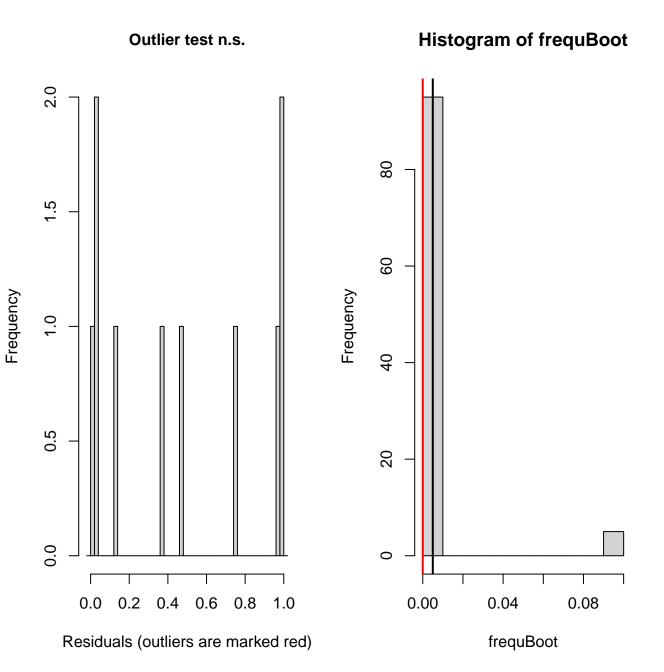


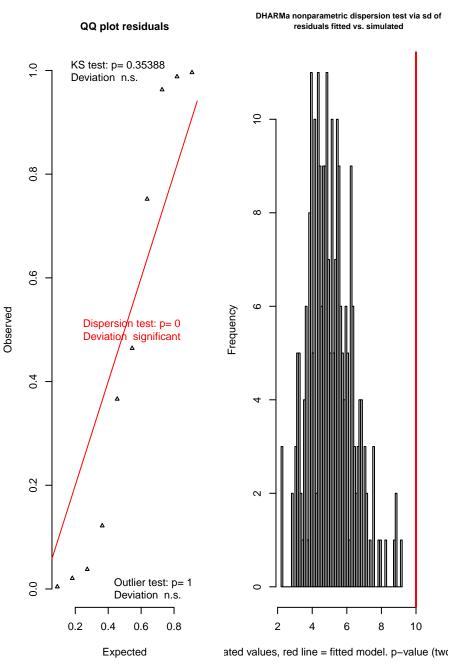


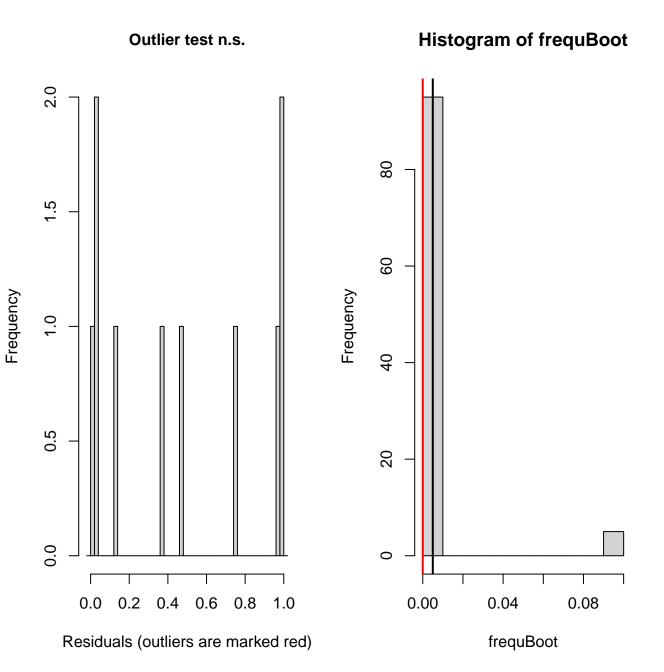


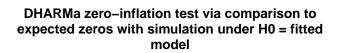


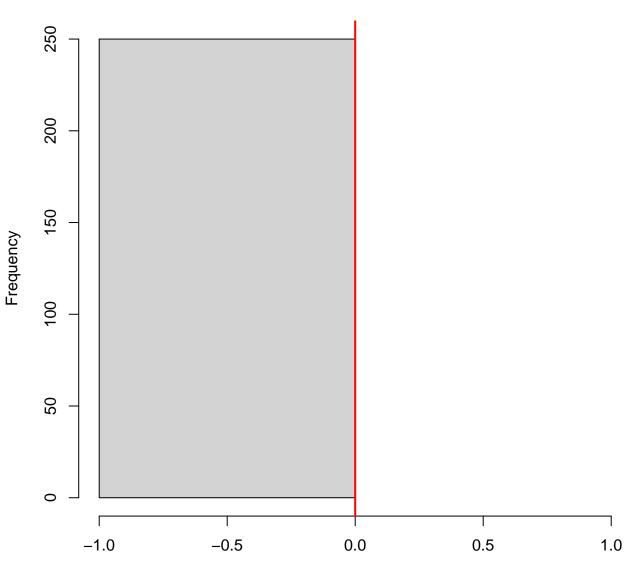




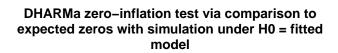


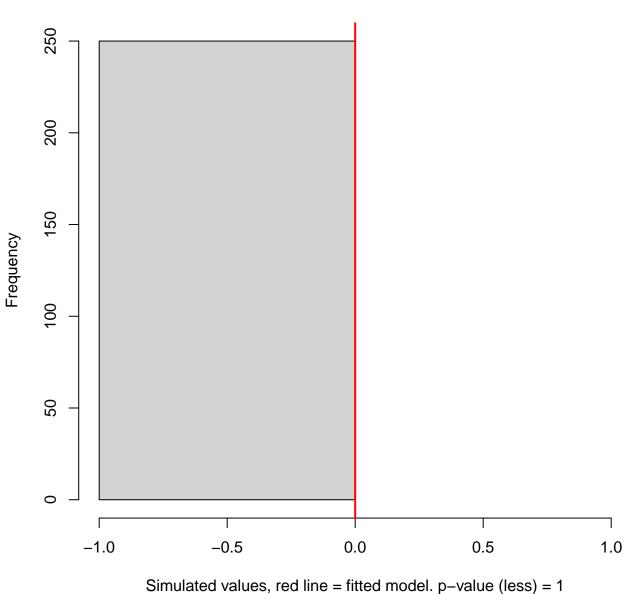


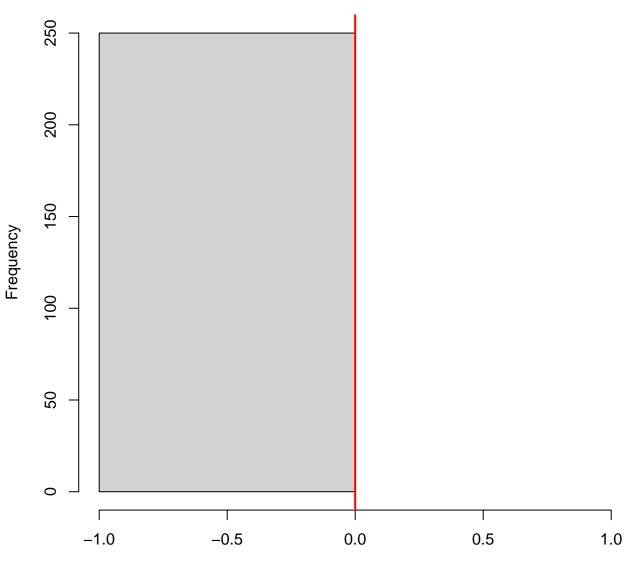




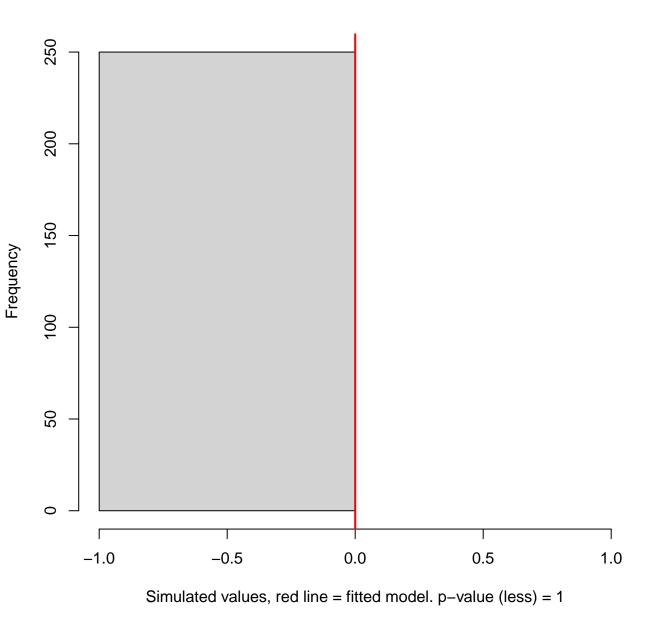
Simulated values, red line = fitted model. p-value (two.sided) = 1

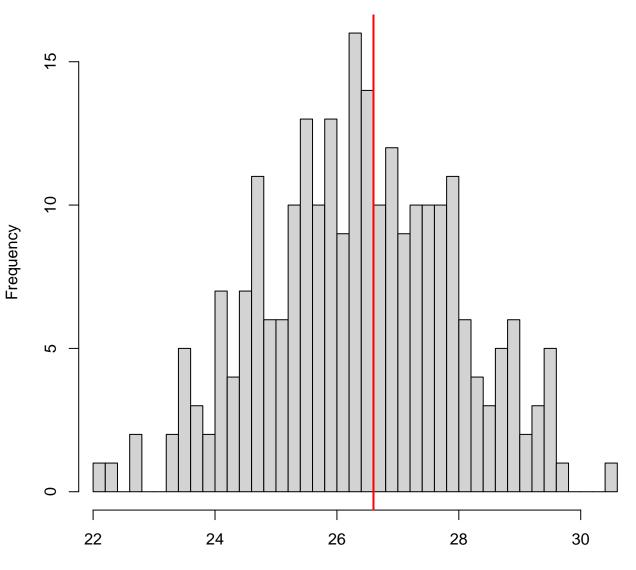




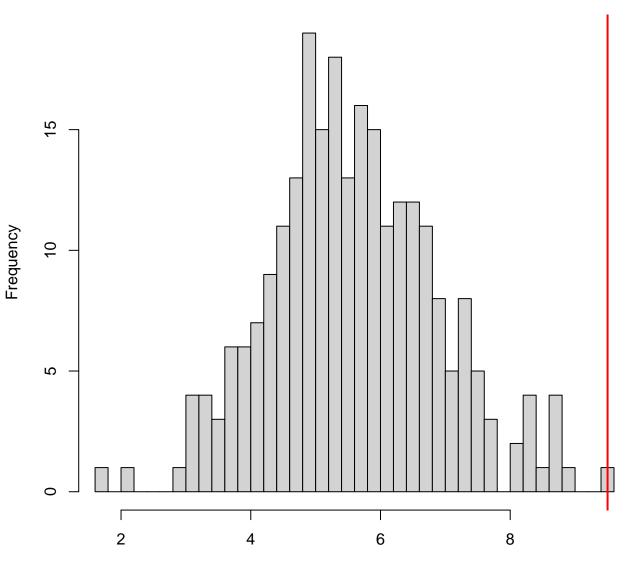


Simulated values, red line = fitted model. p-value (two.sided) = 1



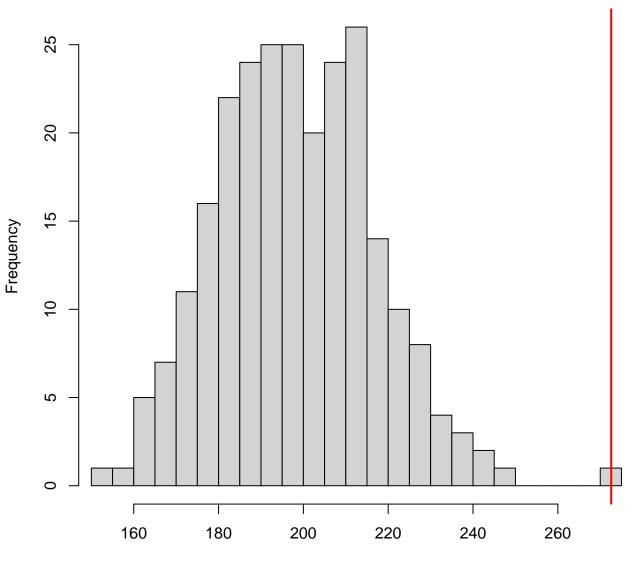


Simulated values, red line = fitted model. p-value (two.sided) = 0.896

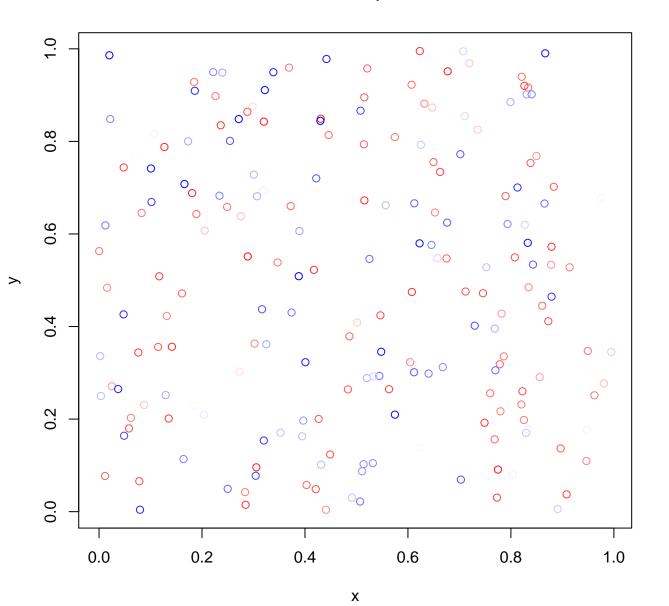


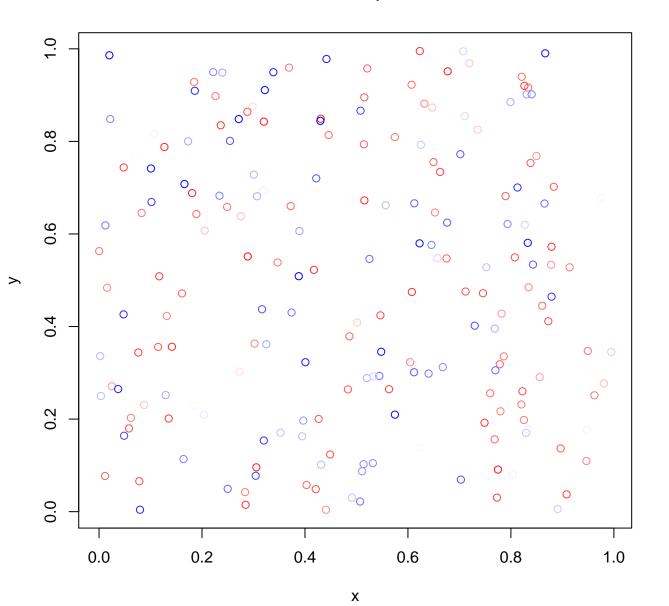
Simulated values, red line = fitted model. p-value (two.sided) = 0.008

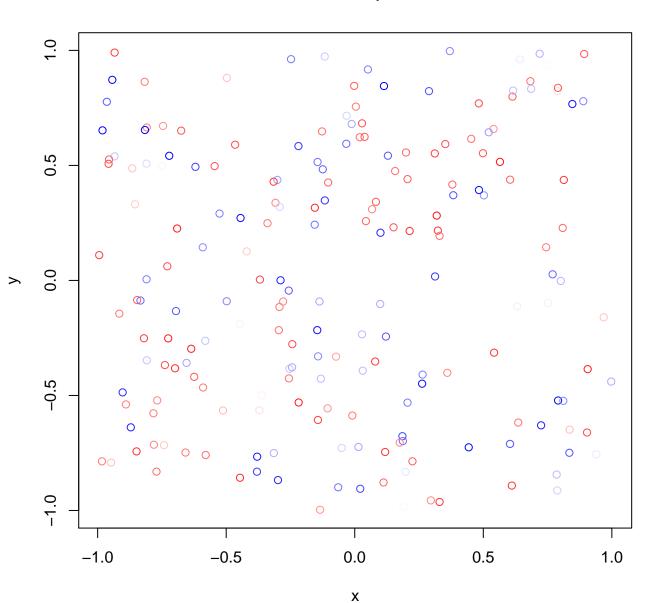
## **Dispersion test significant**

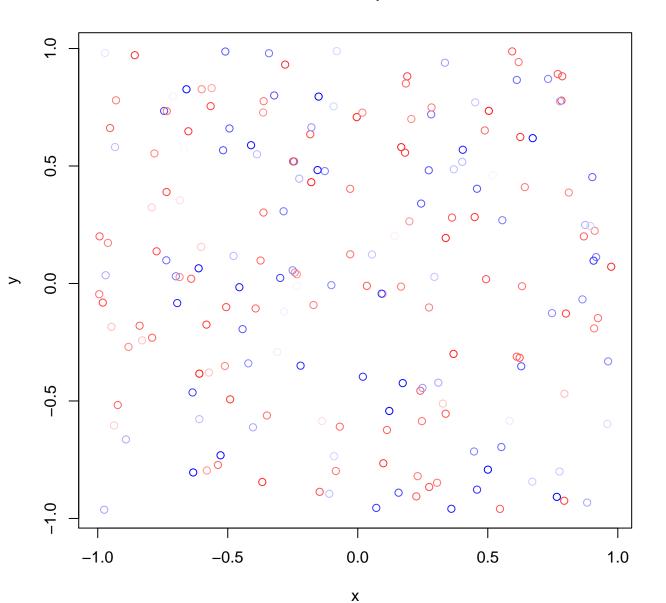


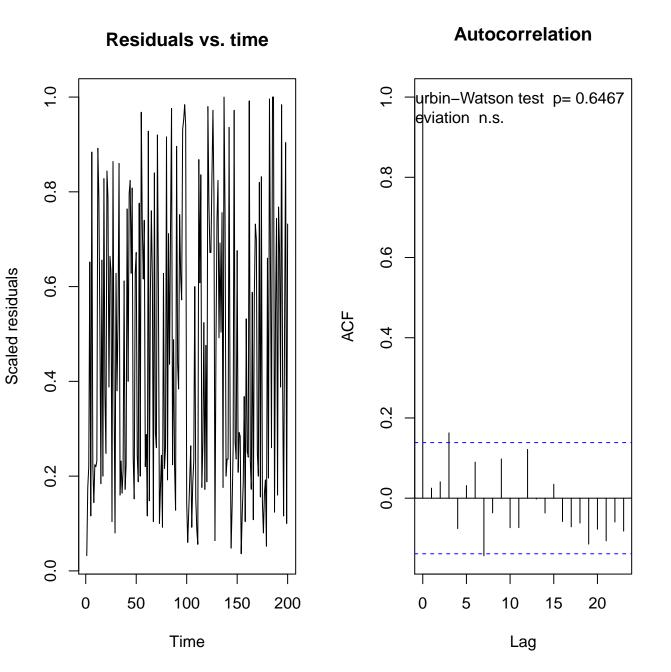
Simulated values, red line = fitted model. p-value (two.sided) = 0

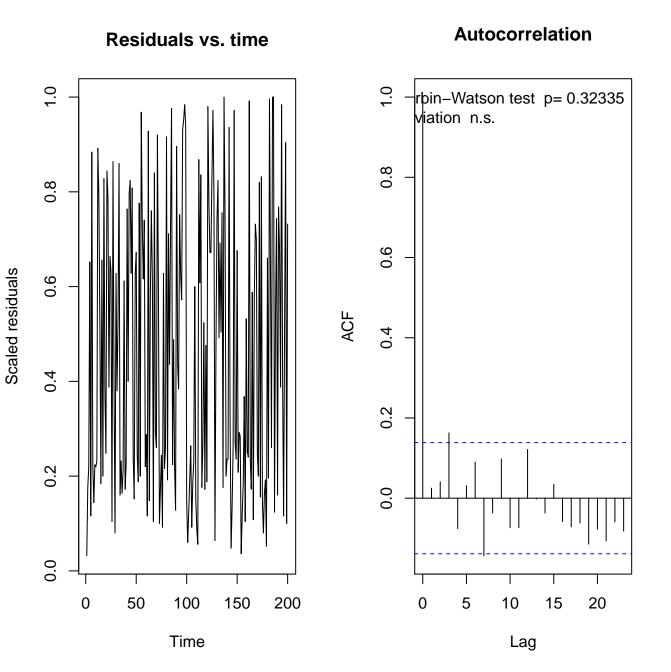


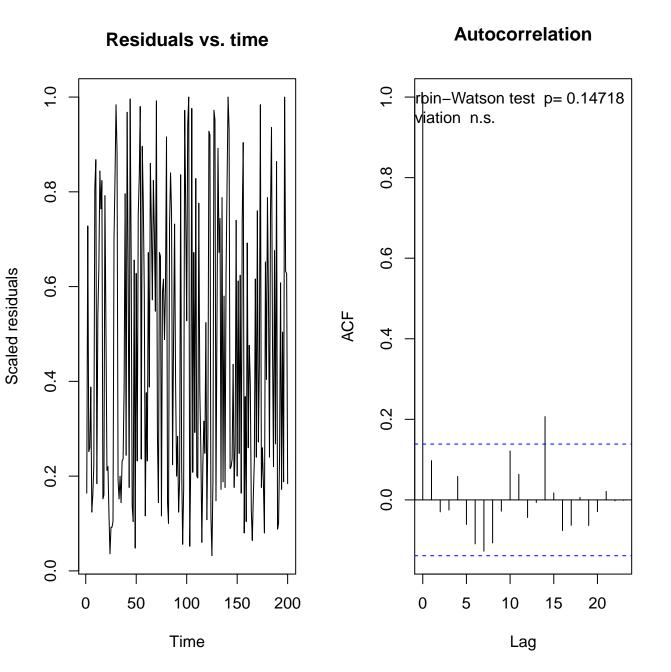




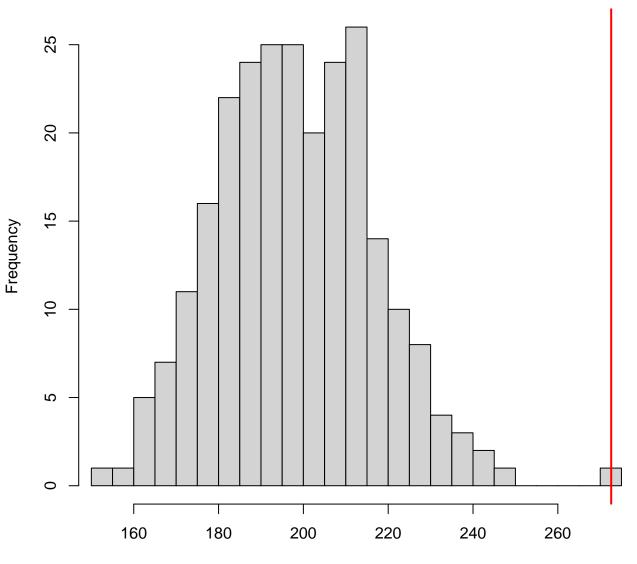








## **Dispersion test significant**



Simulated values, red line = fitted model. p-value (two.sided) = 0

