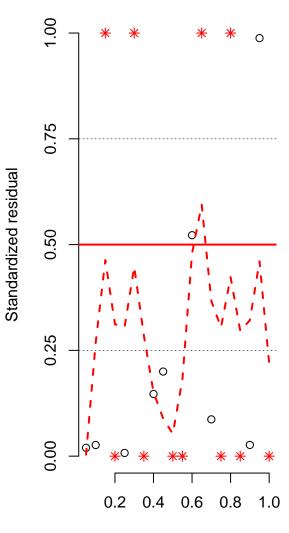
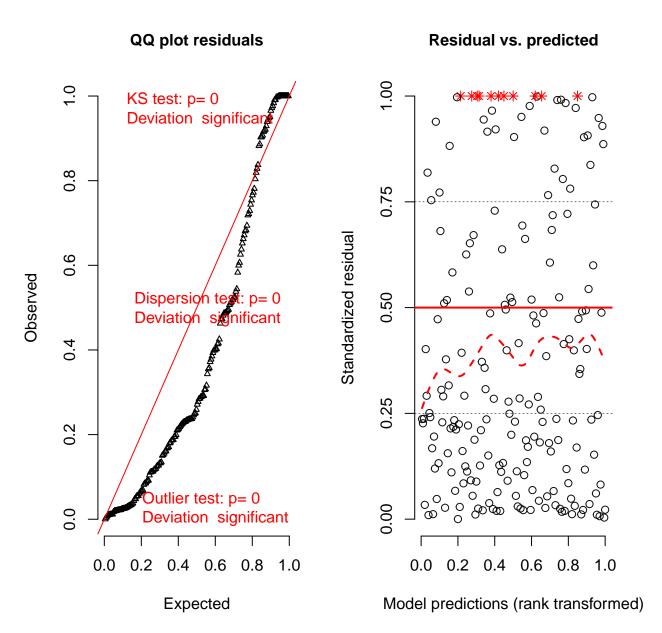
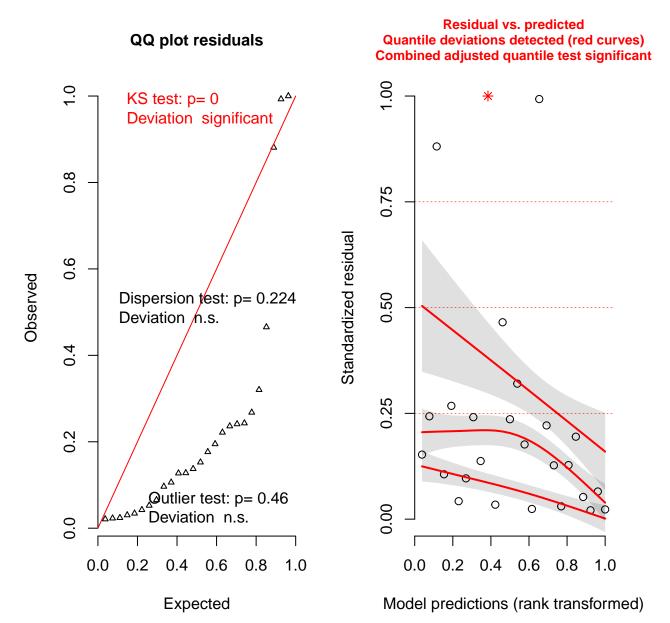


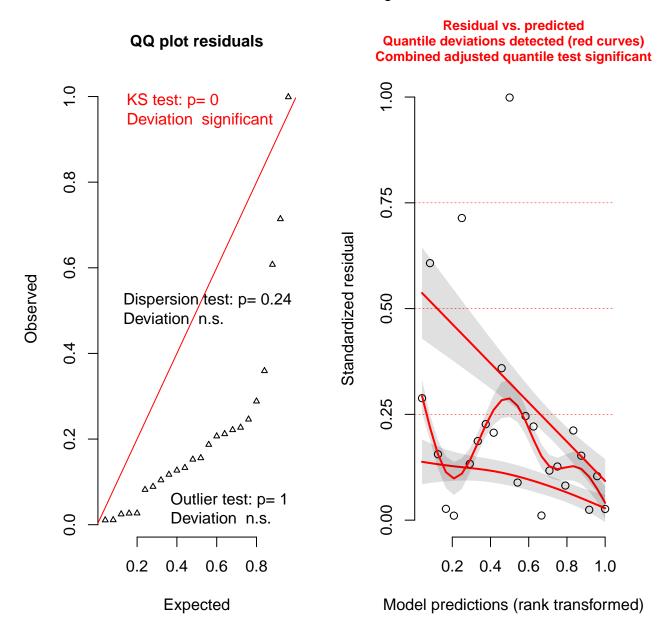
Residual vs. predicted

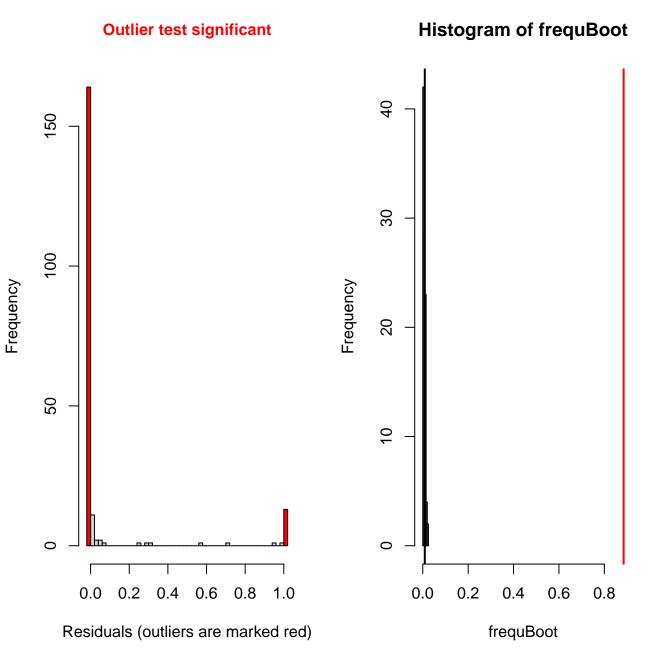


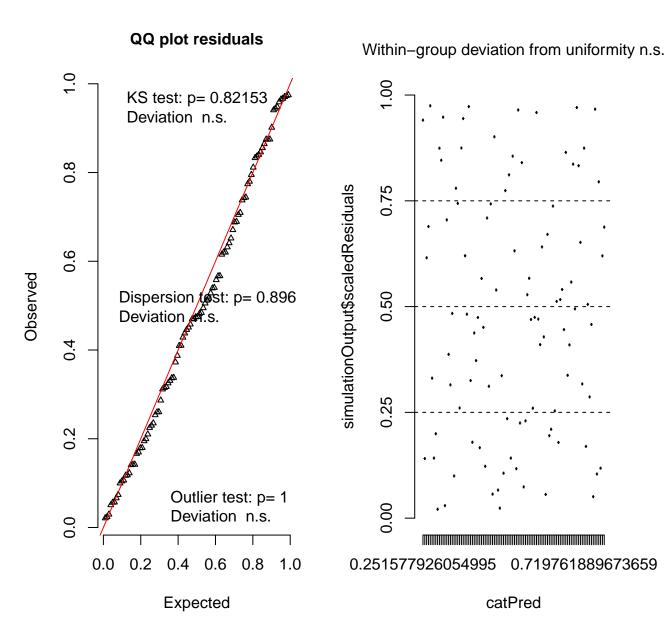
Model predictions (rank transformed)

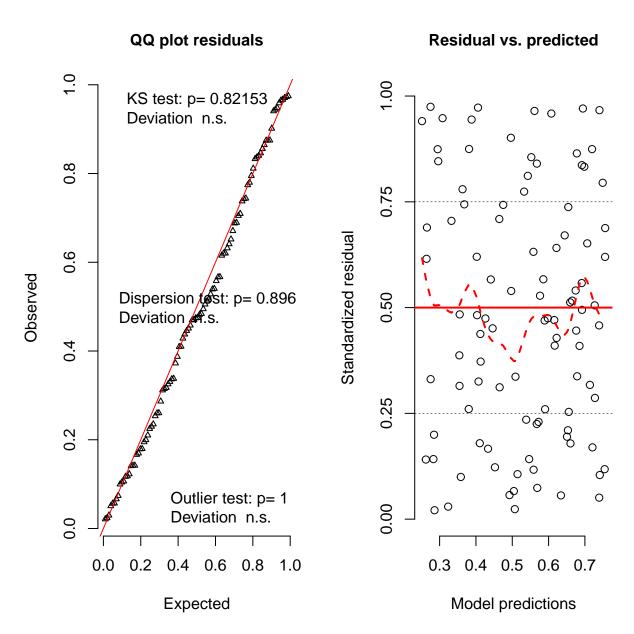


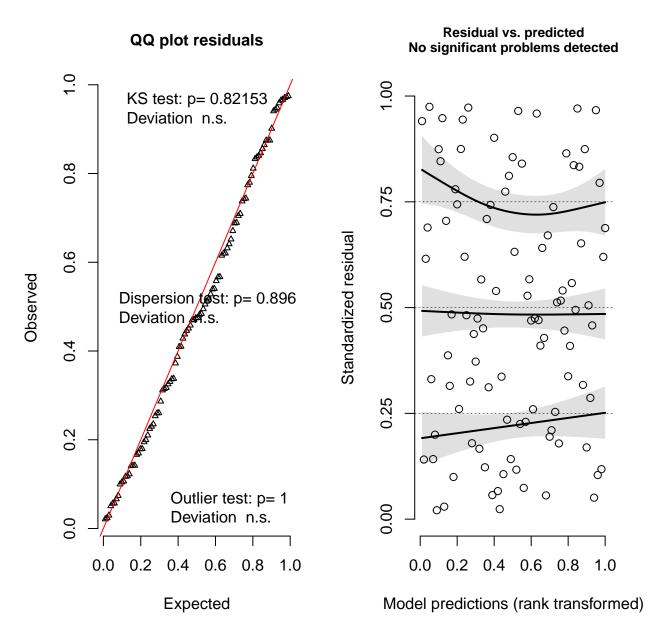


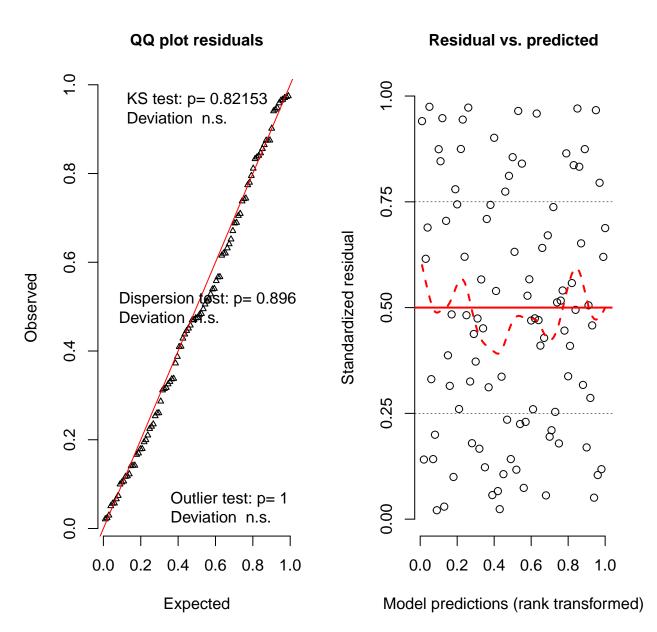




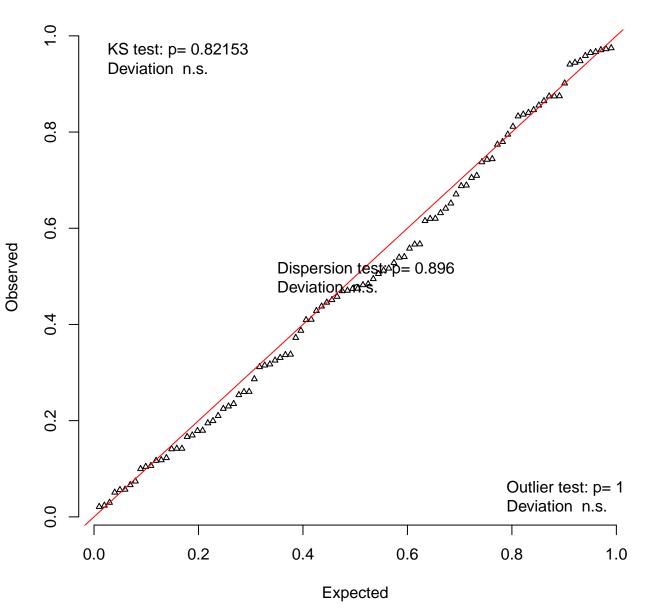




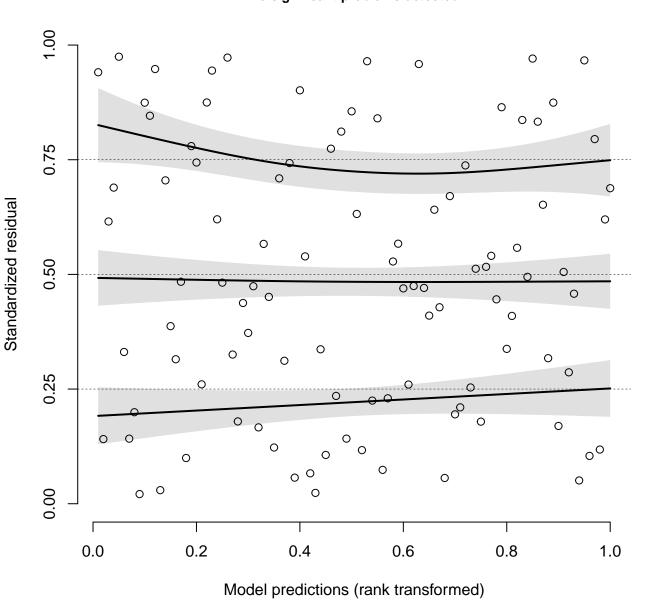




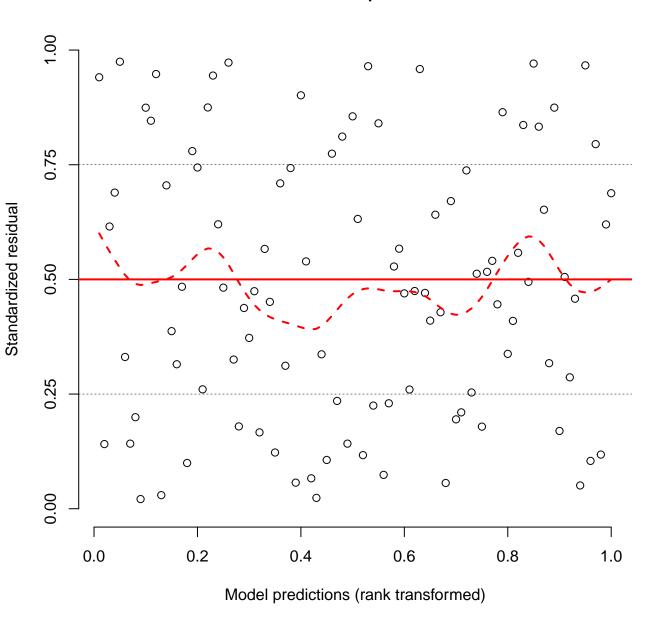


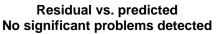


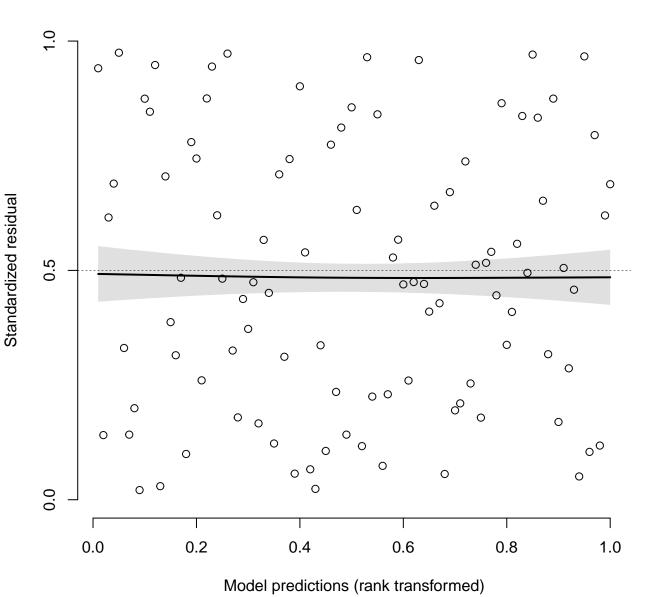
Residual vs. predicted No significant problems detected



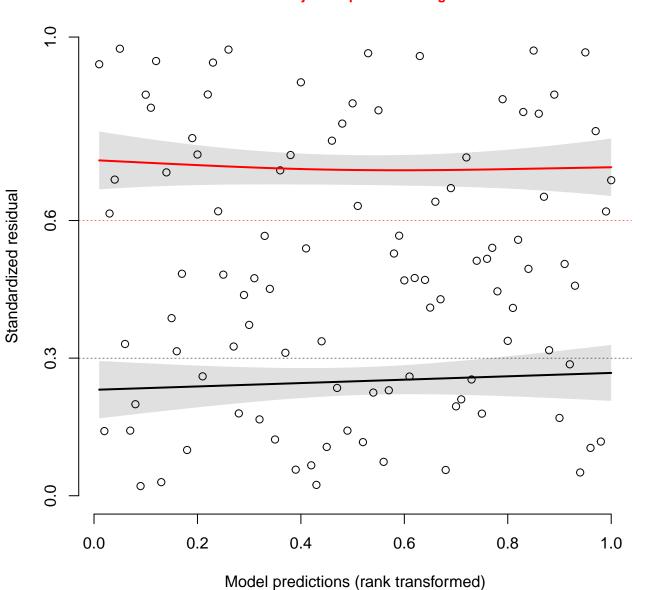
Residual vs. predicted



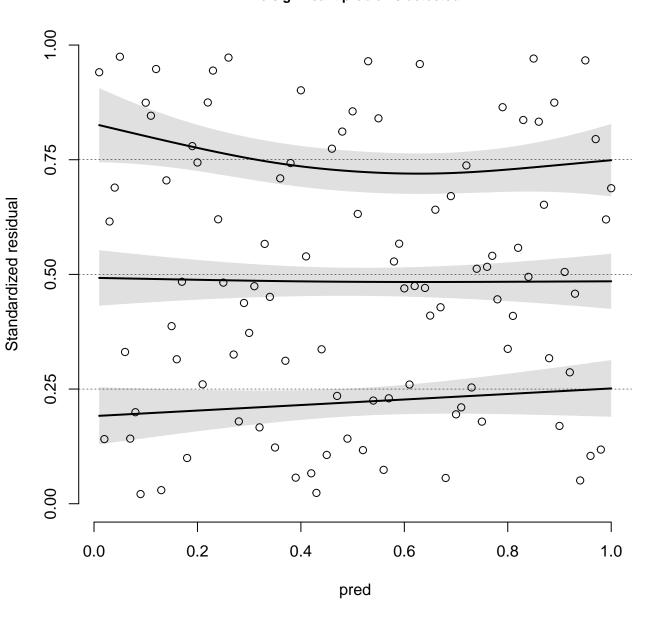




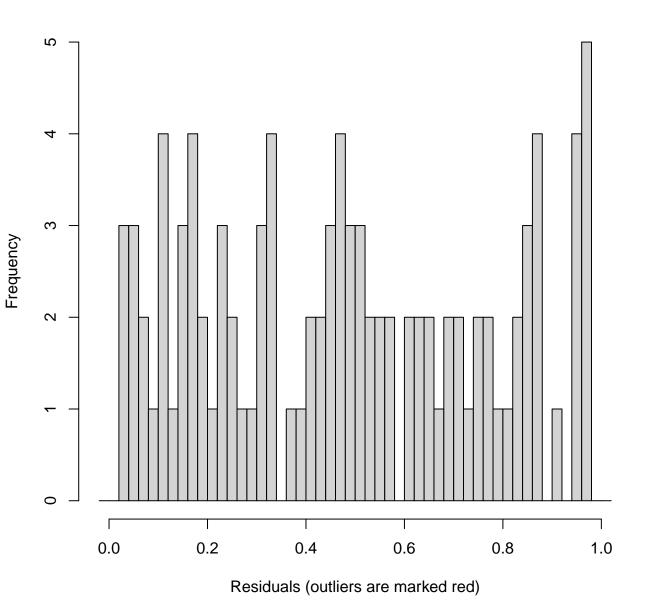
Residual vs. predicted Quantile deviations detected (red curves) Combined adjusted quantile test significant

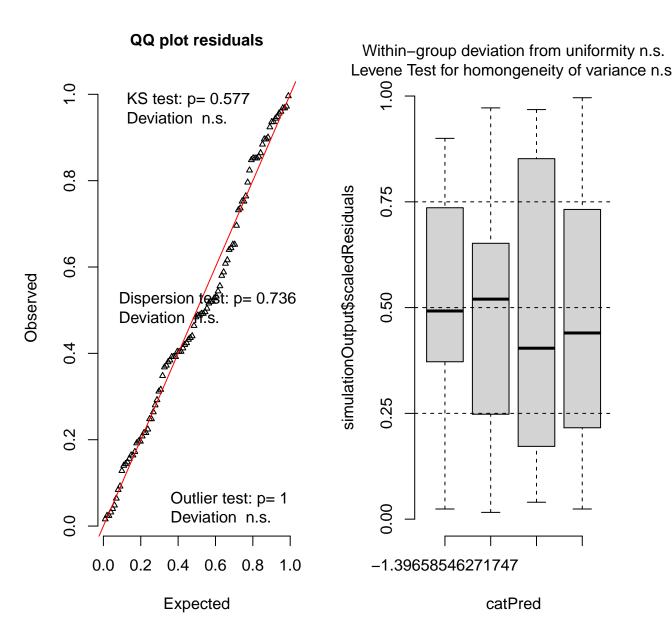


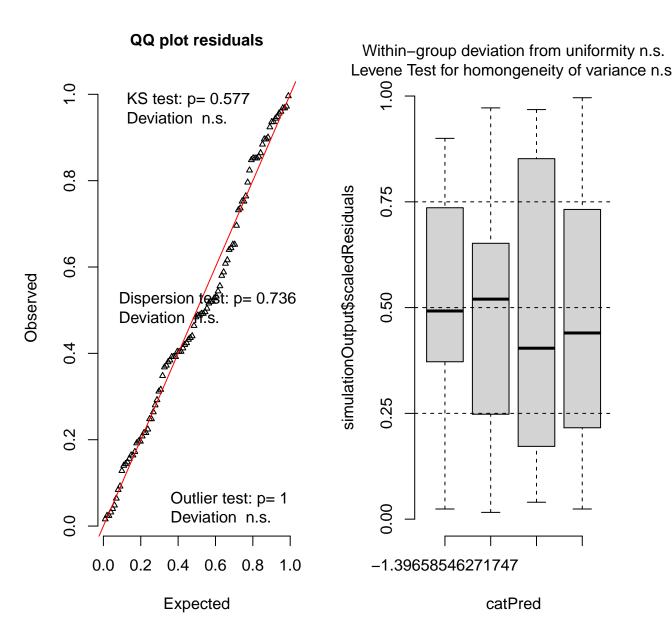
Residual vs. predicted No significant problems detected

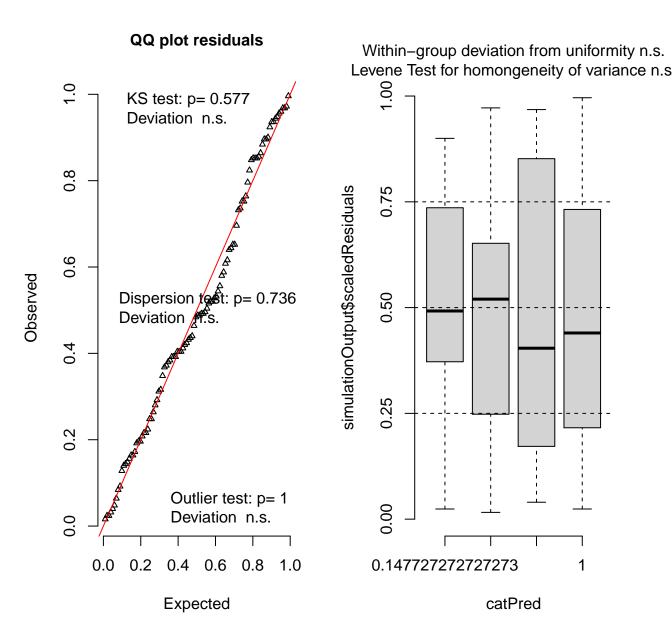


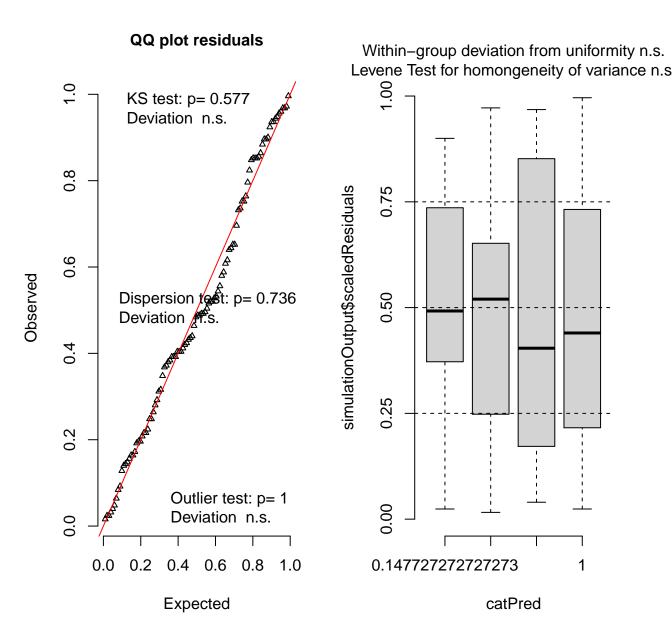
Hist of DHARMa residuals

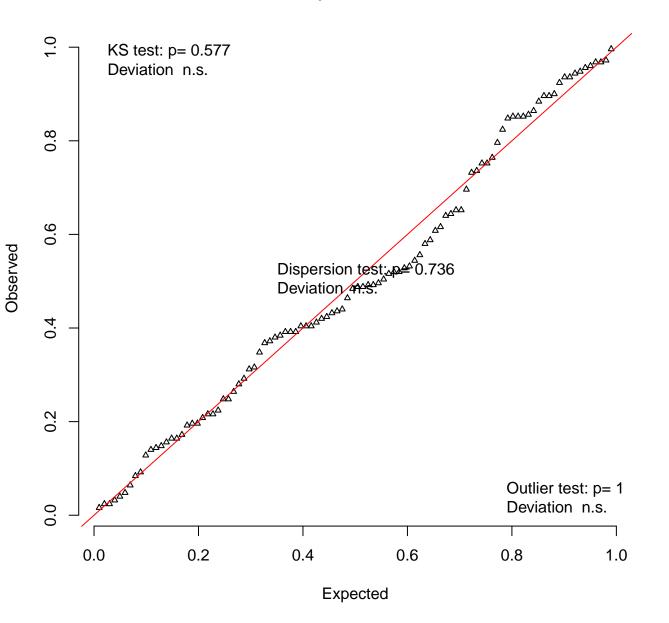




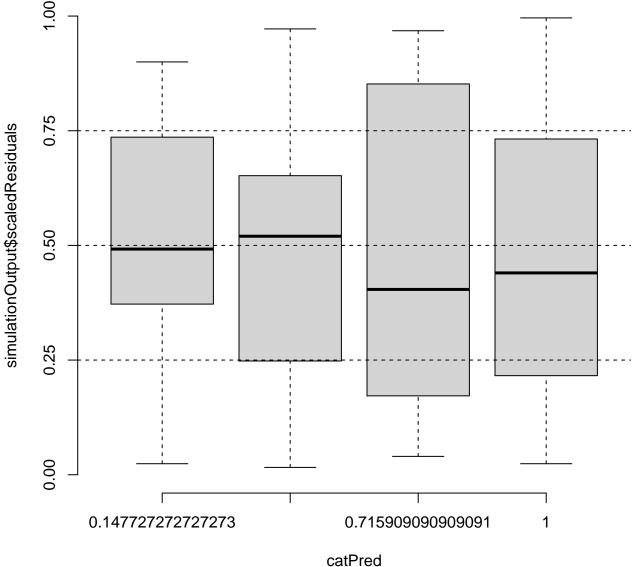




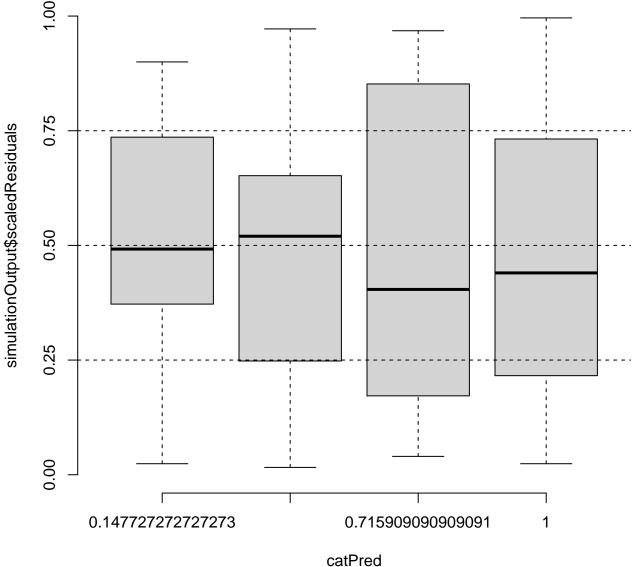


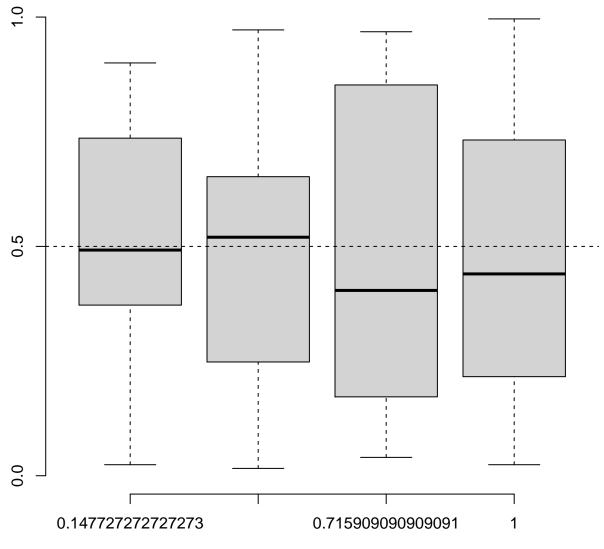


Within-group deviation from uniformity n.s. Levene Test for homongeneity of variance n.s.



Within-group deviation from uniformity n.s. Levene Test for homongeneity of variance n.s.

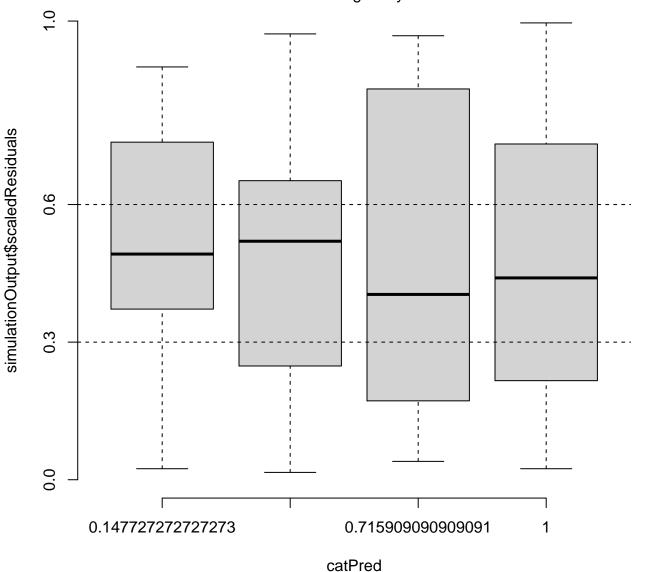




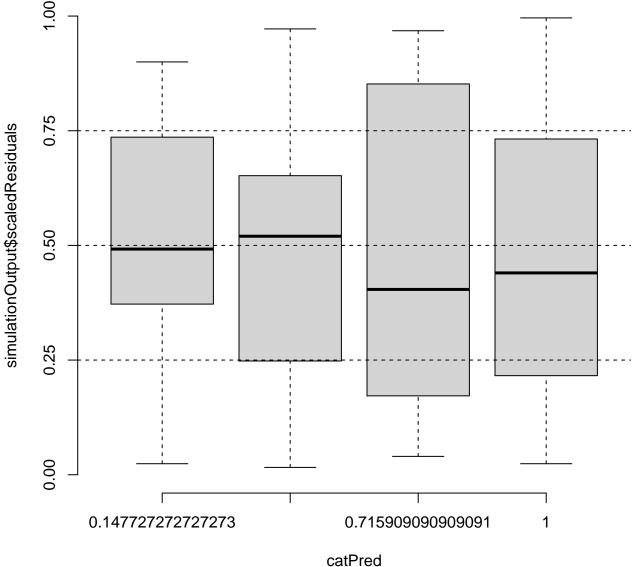
catPred

simulationOutput\$scaledResiduals

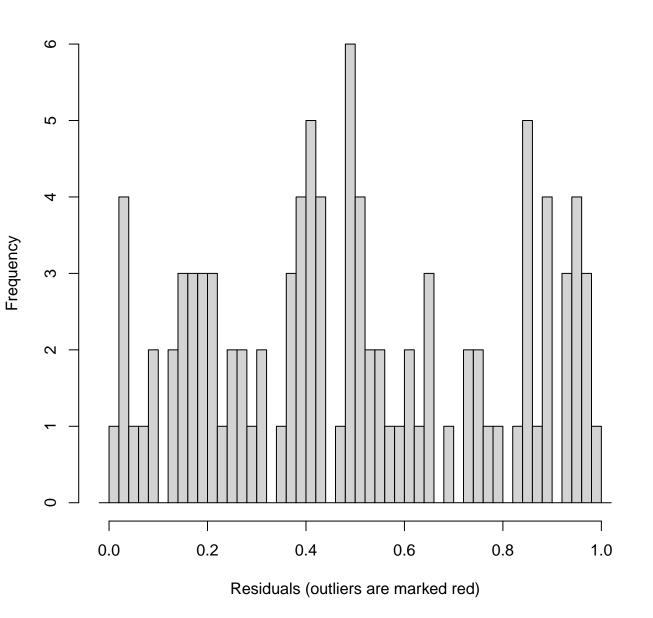
Within–group deviation from uniformity n.s. Levene Test for homongeneity of variance n.s.



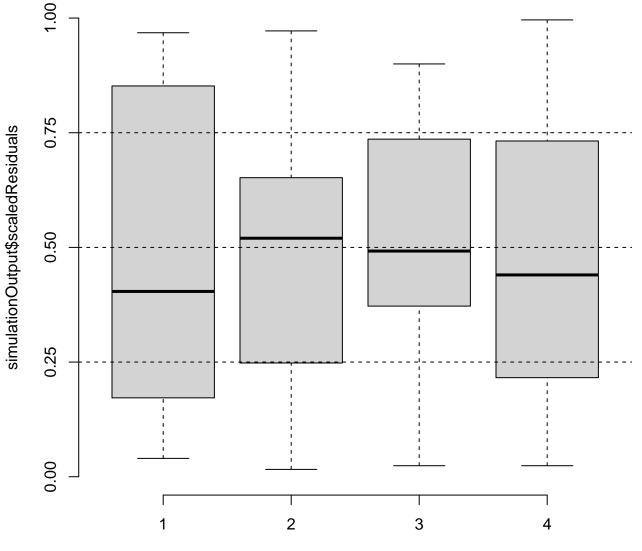
Within-group deviation from uniformity n.s. Levene Test for homongeneity of variance n.s.



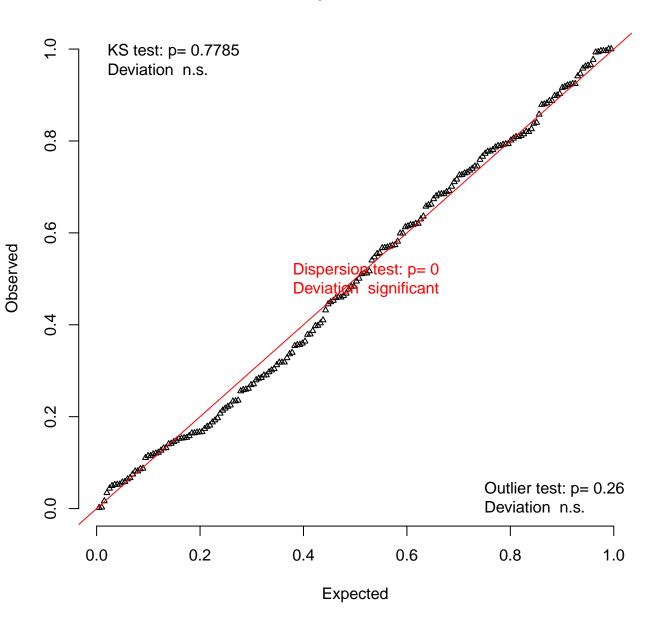
Hist of DHARMa residuals

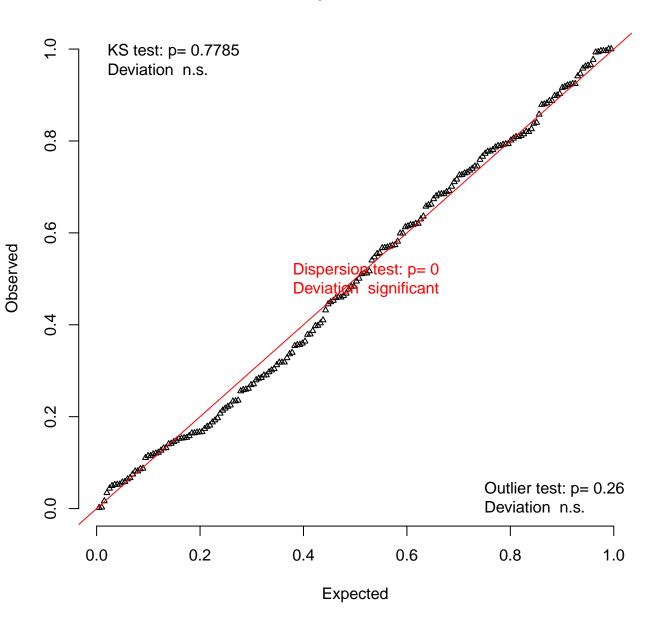


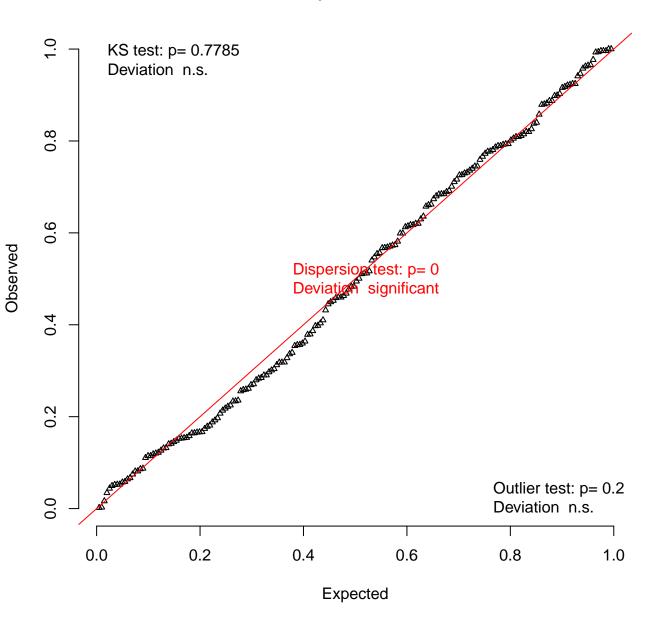
Within–group deviation from uniformity n.s. Levene Test for homongeneity of variance n.s.



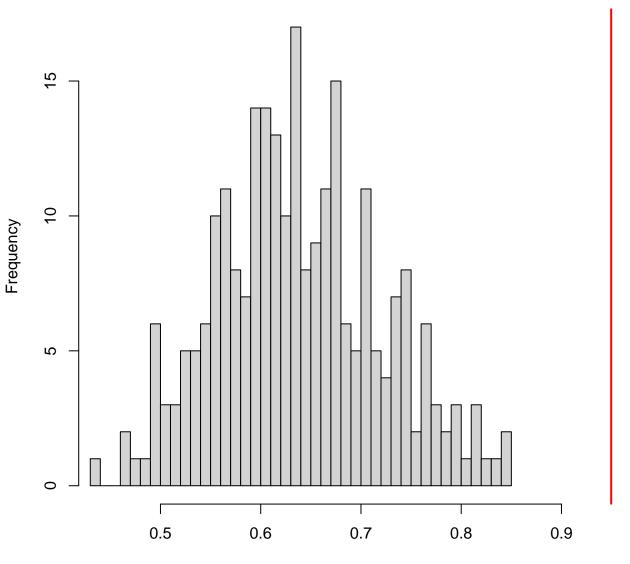
catPred



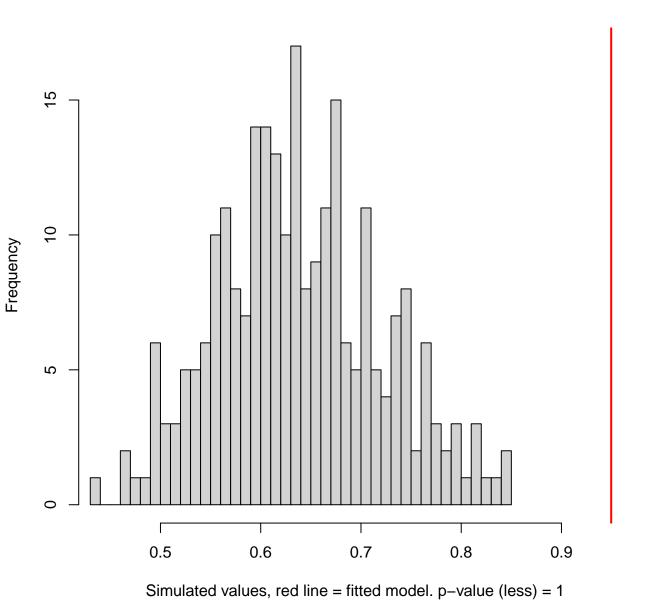


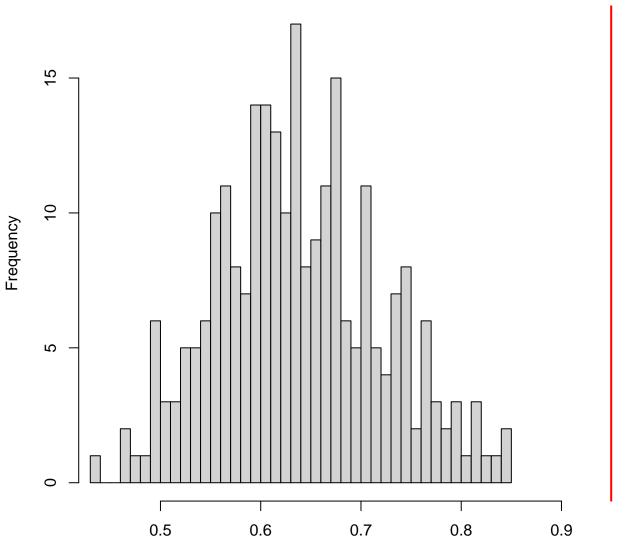


DHARMa nonparametric dispersion test via sd of residuals fitted vs. simulated

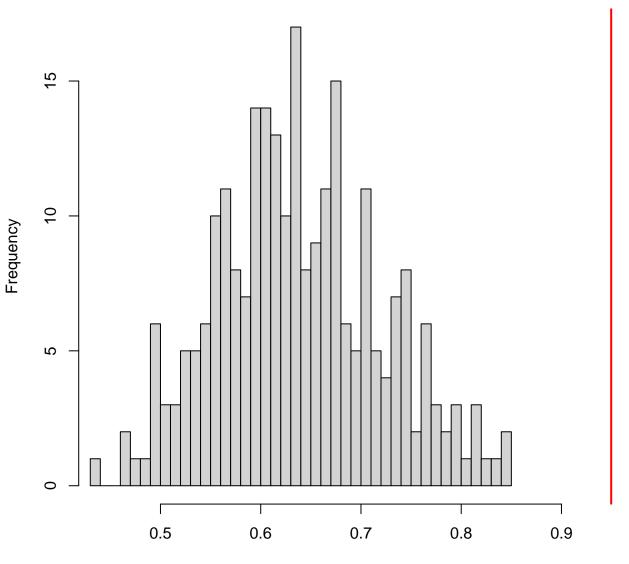


Simulated values, red line = fitted model. p-value (two.sided) = 0

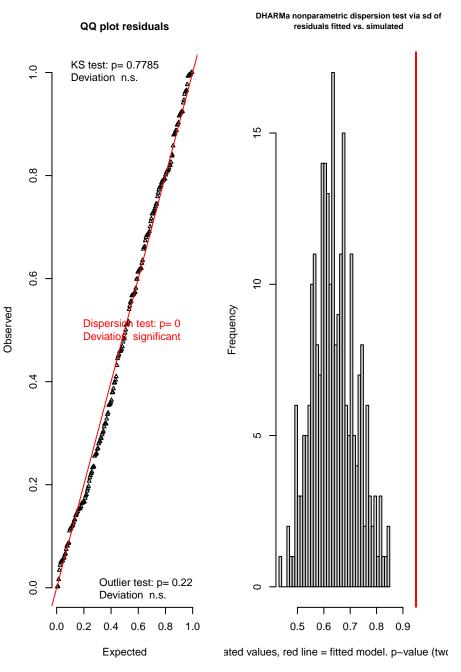


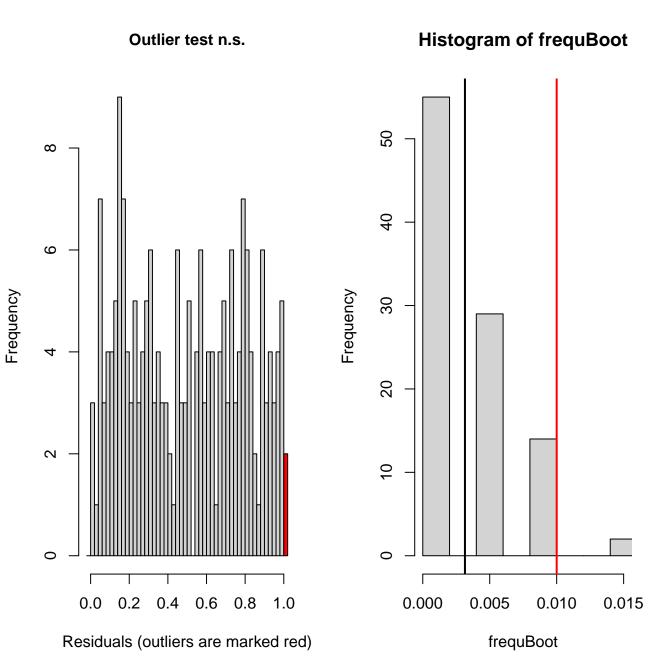


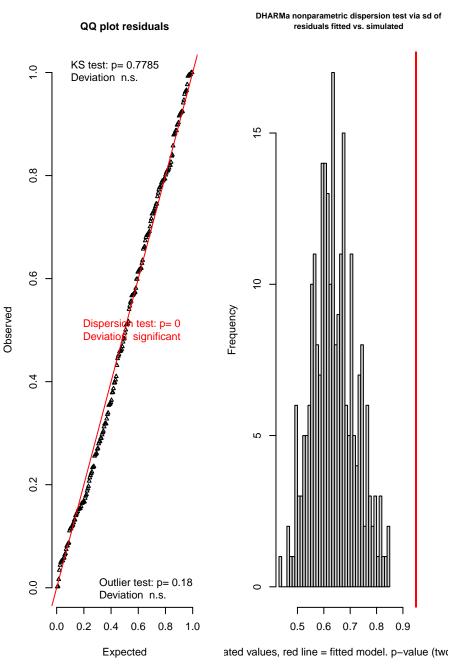
Simulated values, red line = fitted model. p-value (greater) = 0

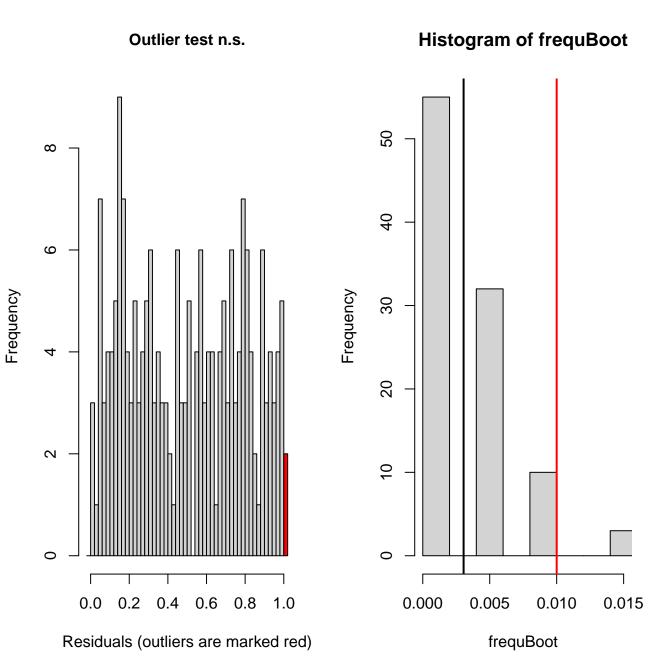


Simulated values, red line = fitted model. p-value (two.sided) = 0

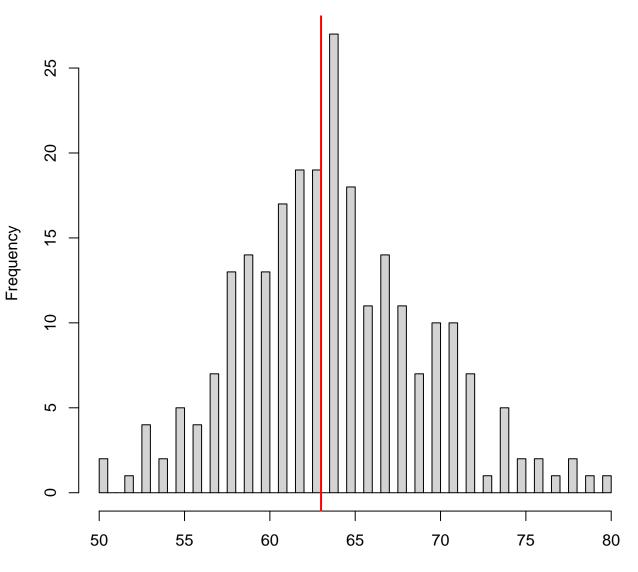






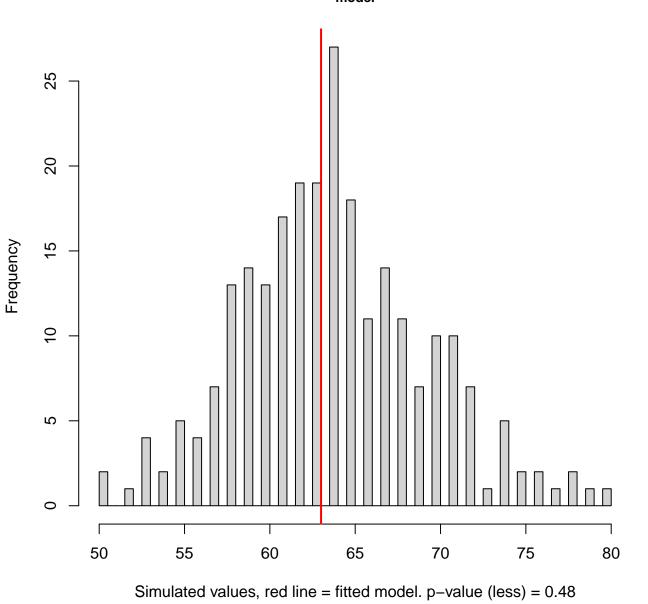


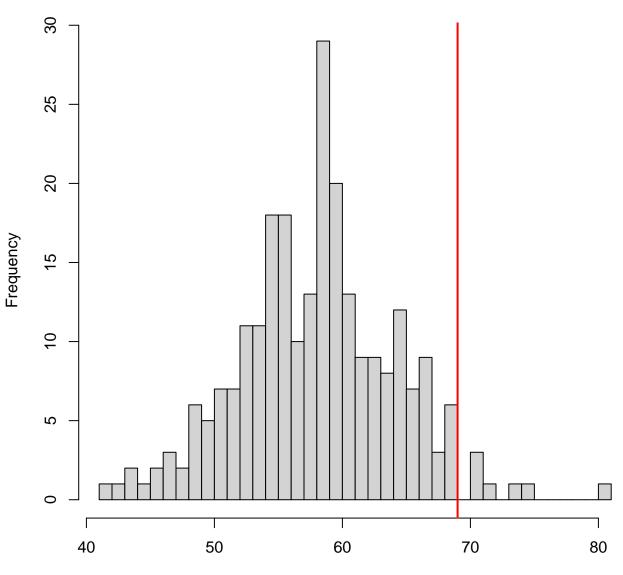
DHARMa zero-inflation test via comparison to expected zeros with simulation under H0 = fitted model



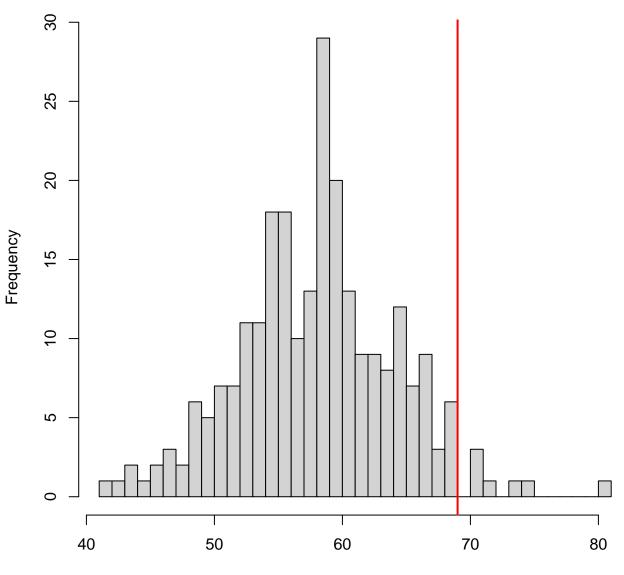
Simulated values, red line = fitted model. p-value (two.sided) = 0.96

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

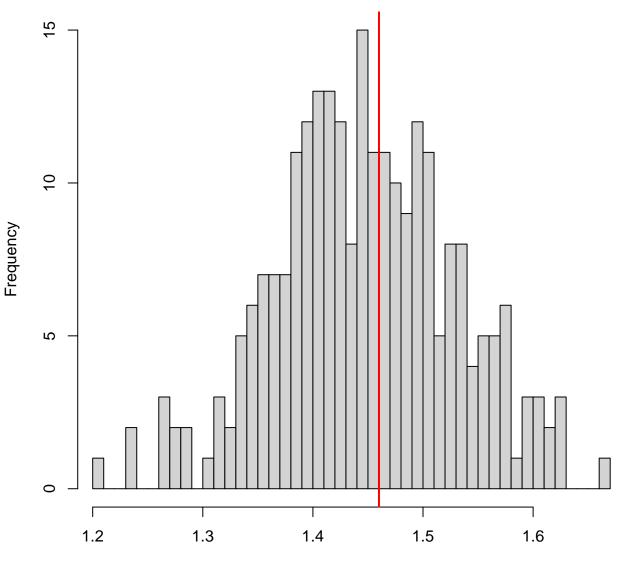




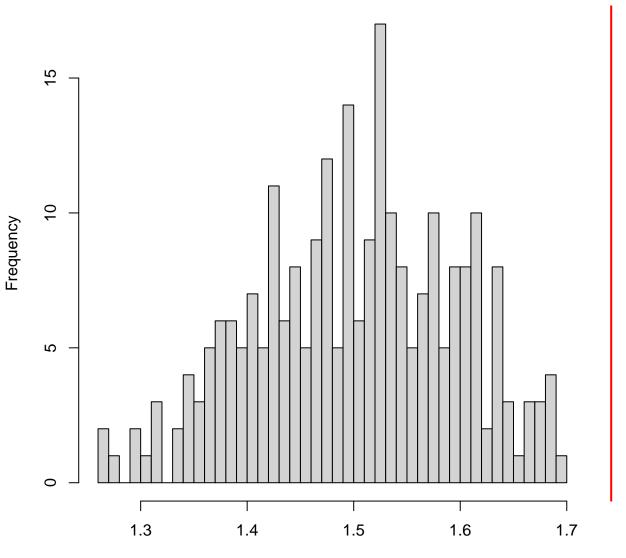
Simulated values, red line = fitted model. p-value (two.sided) = 0.104



Simulated values, red line = fitted model. p-value (less) = 0.972

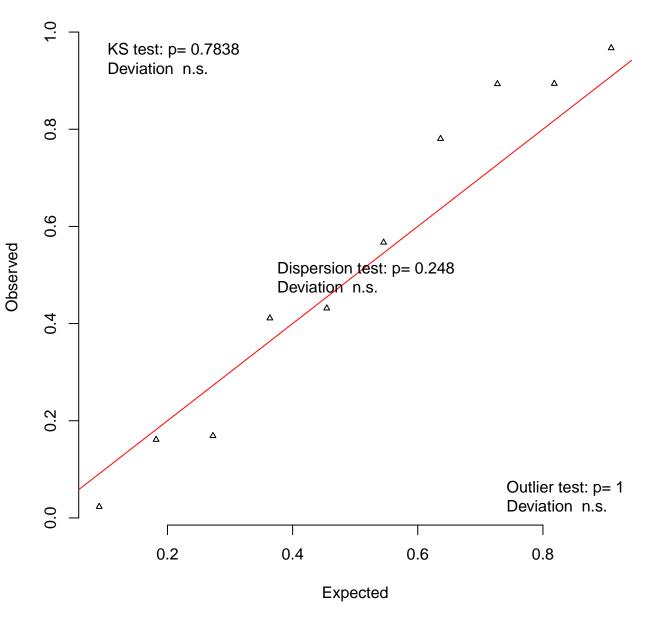


Simulated values, red line = fitted model. p-value (two.sided) = 0.92

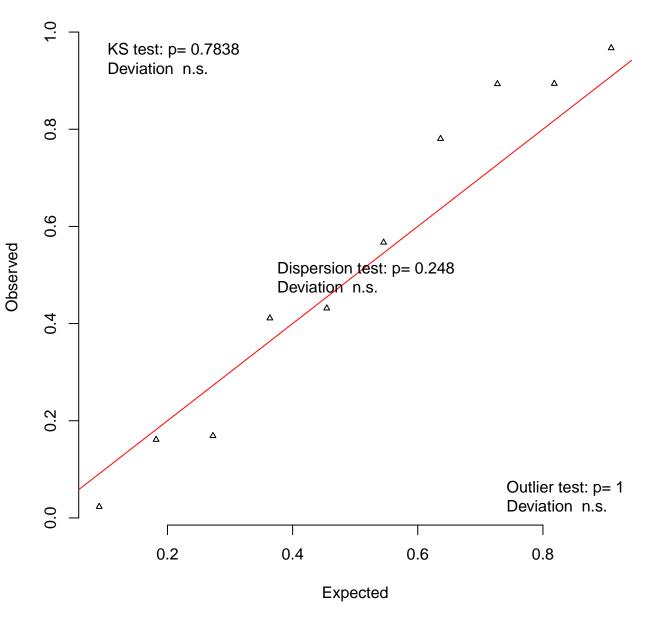


Simulated values, red line = fitted model. p-value (two.sided) = 0

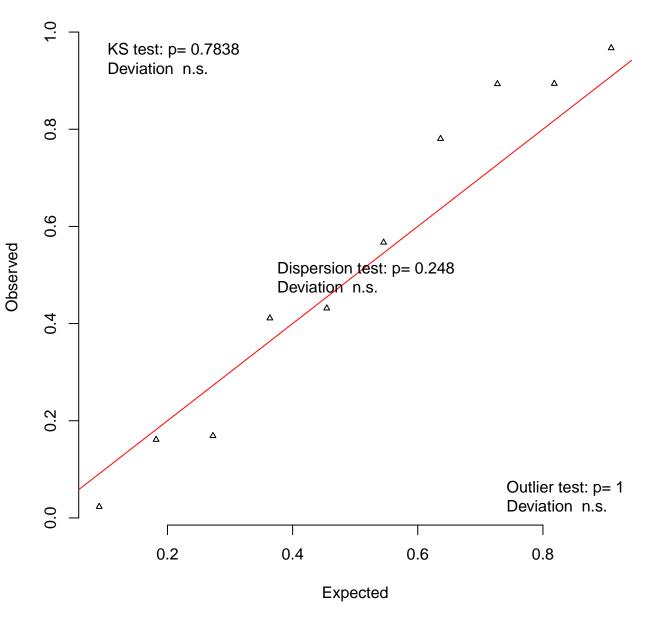


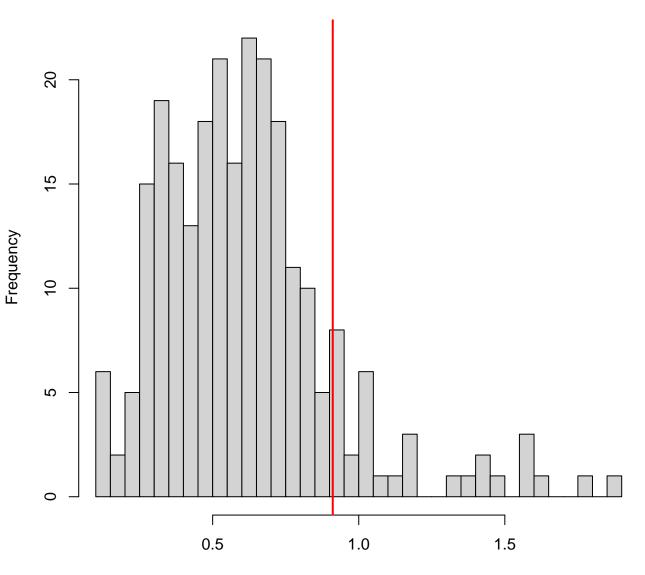




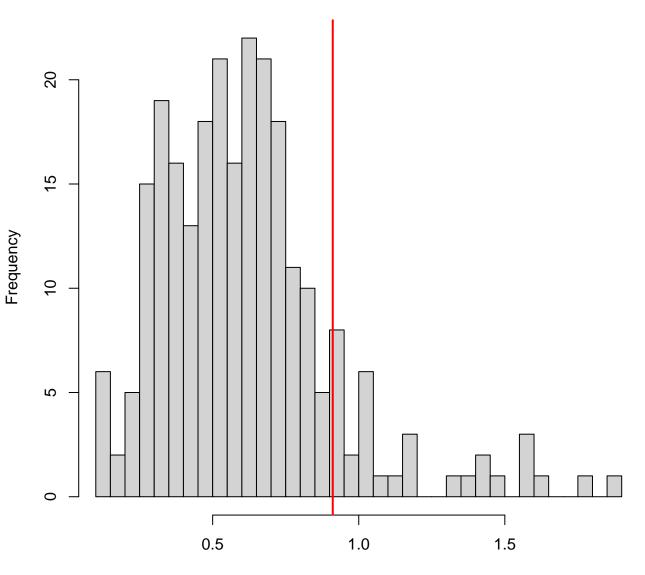




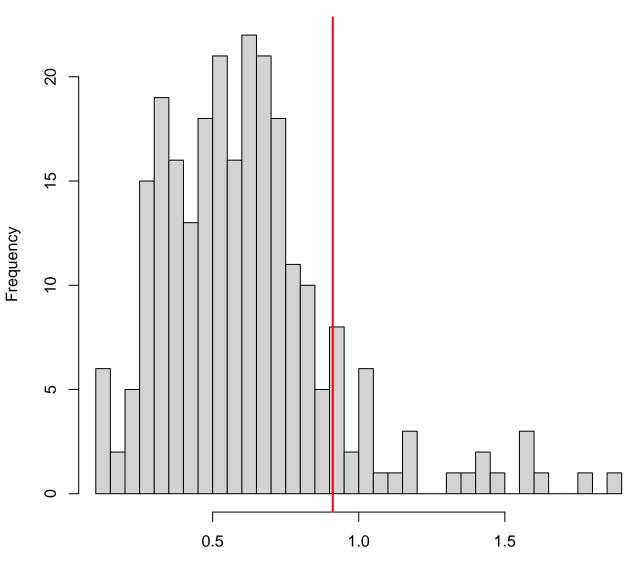




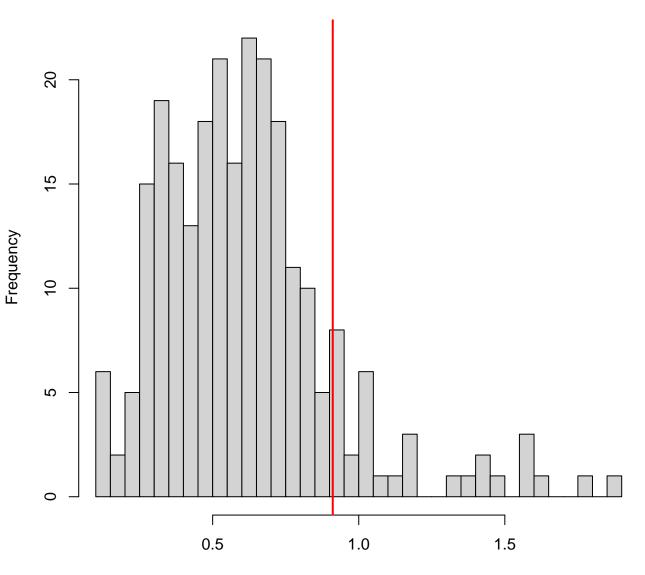
Simulated values, red line = fitted model. p-value (two.sided) = 0.248



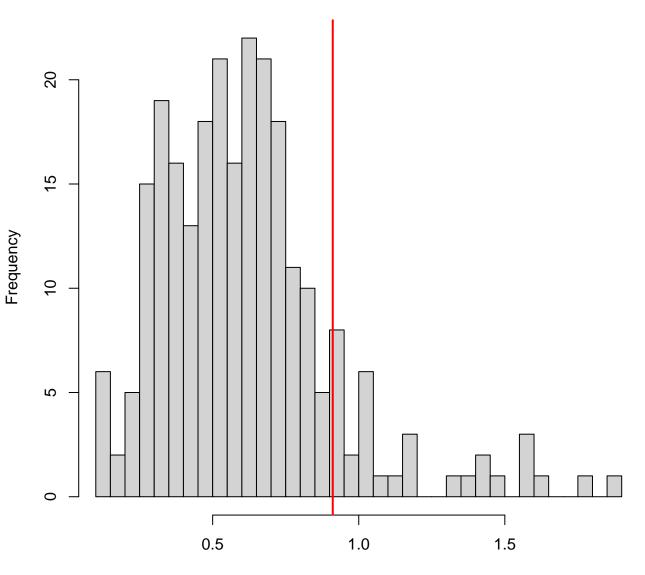
Simulated values, red line = fitted model. p-value (less) = 0.876



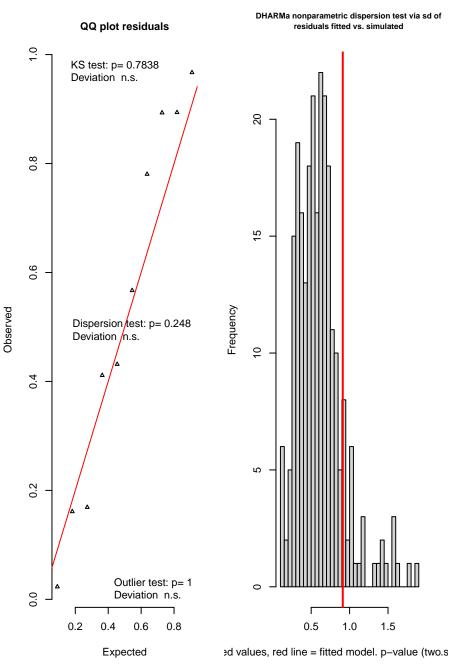
Simulated values, red line = fitted model. p-value (greater) = 0.124

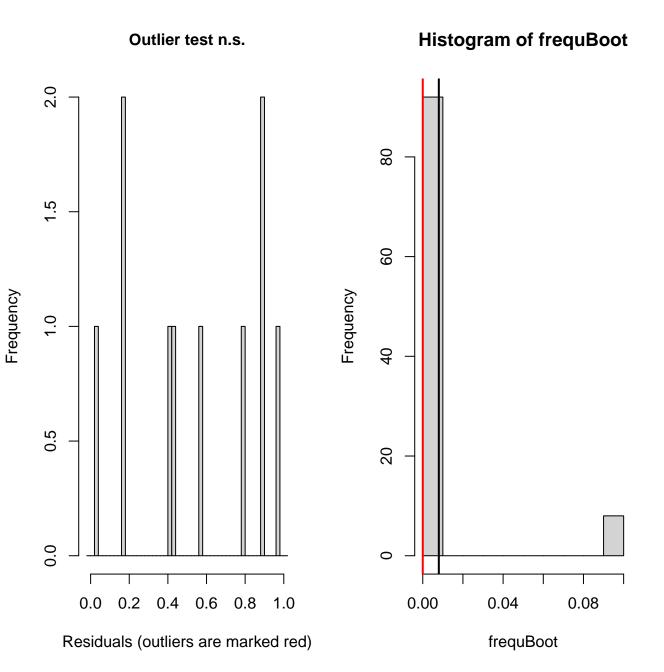


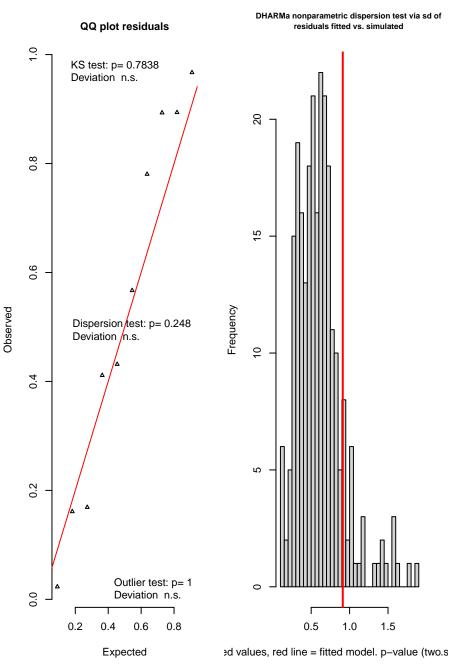
Simulated values, red line = fitted model. p-value (two.sided) = 0.248

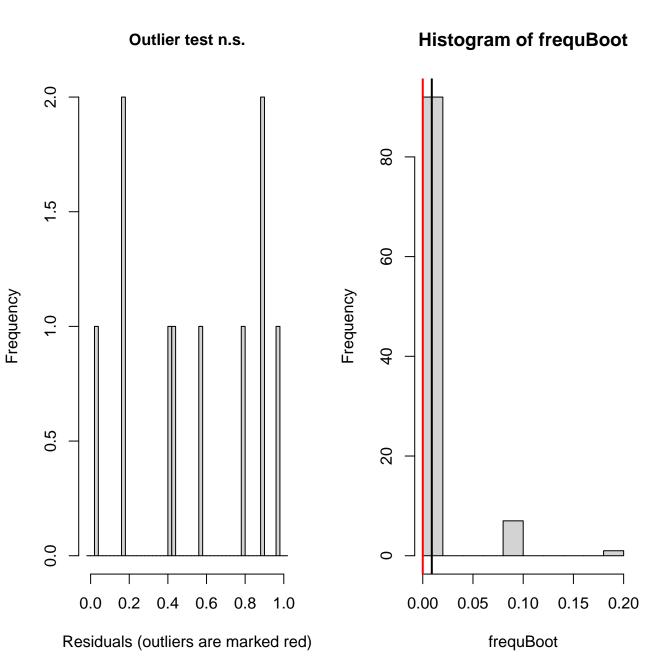


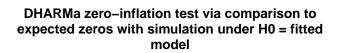
Simulated values, red line = fitted model. p-value (two.sided) = 0.248

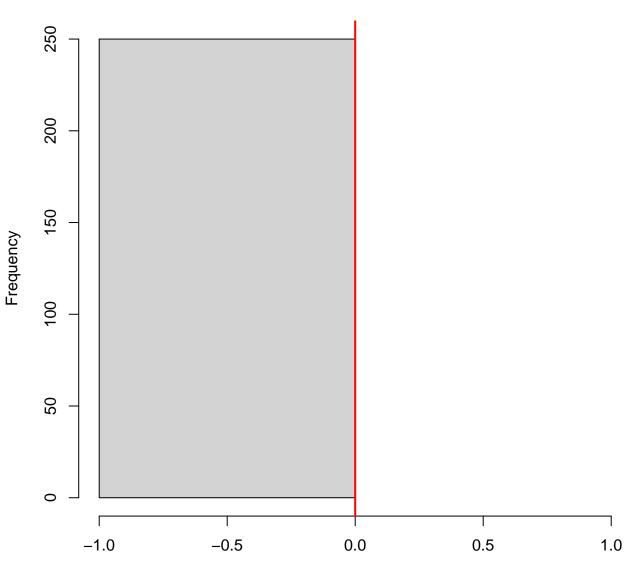




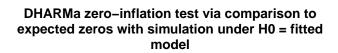


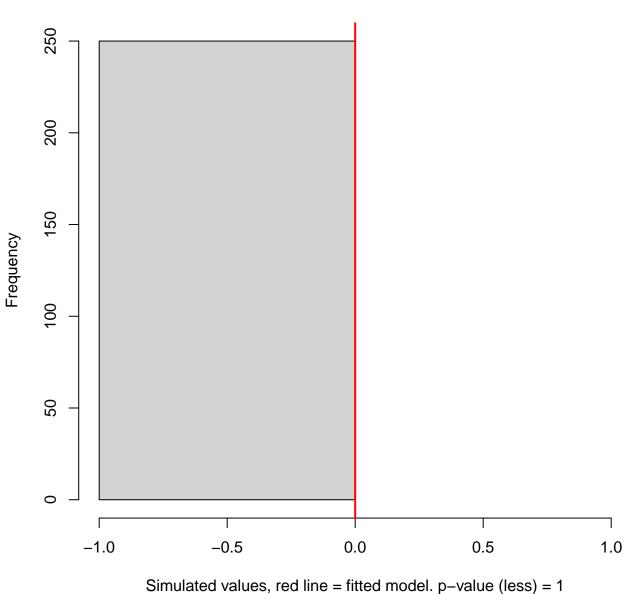




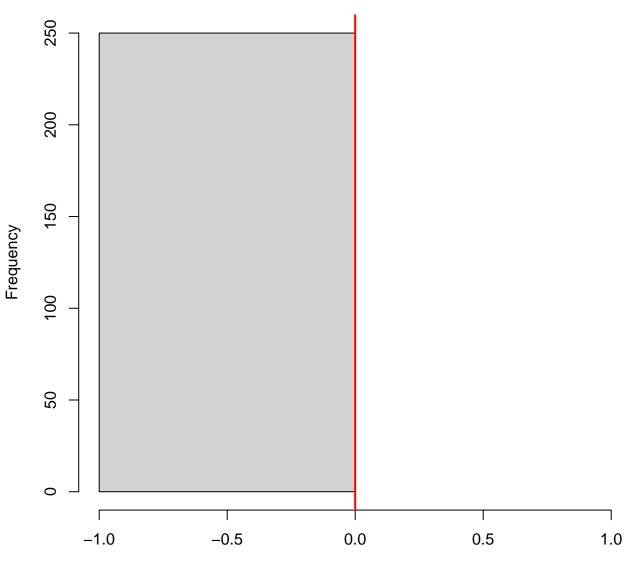


Simulated values, red line = fitted model. p-value (two.sided) = 1



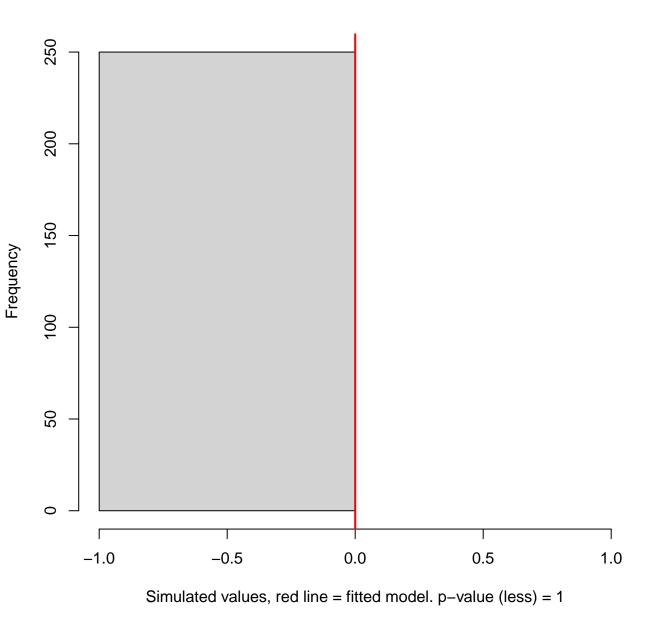


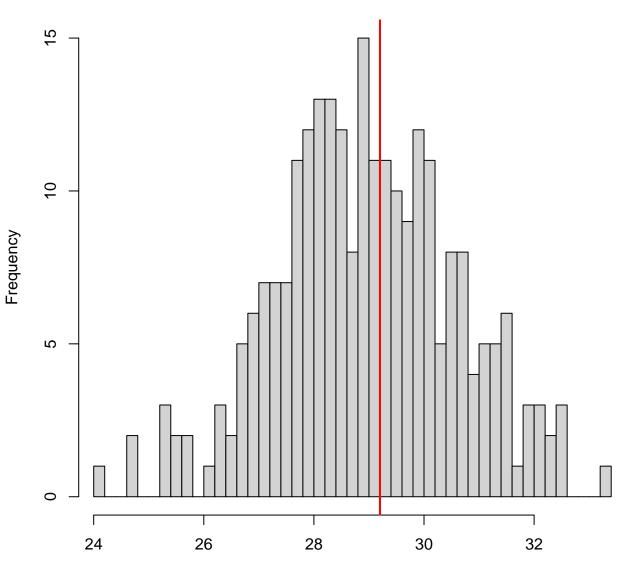
DHARMa generic simulation test



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

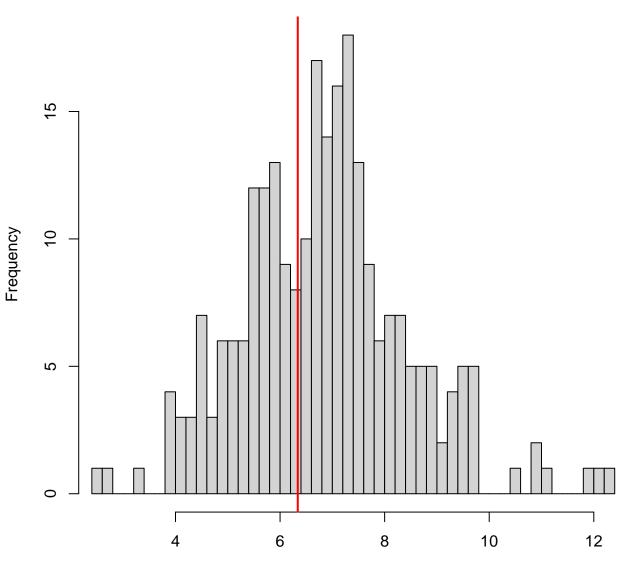
DHARMa generic simulation test





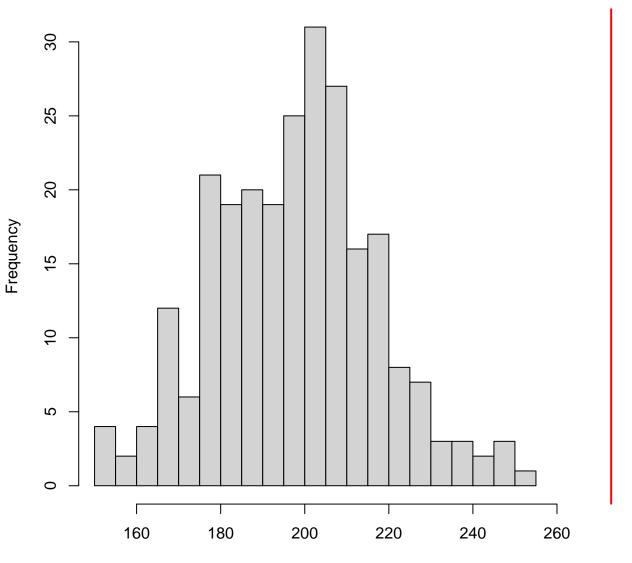
Simulated values, red line = fitted model. p-value (two.sided) = 0.92

DHARMa generic simulation test



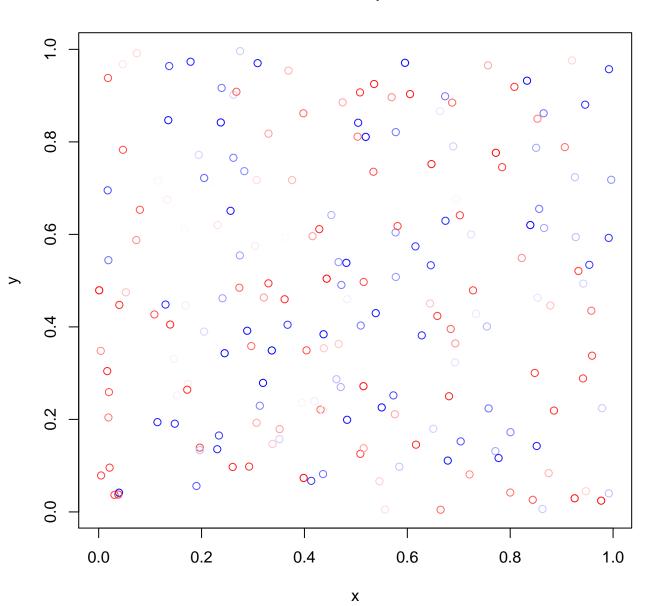
Simulated values, red line = fitted model. p-value (two.sided) = 0.752

Dispersion test significant



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

DHARMa Moran's I test for spatial autocorrelation



DHARMa Moran's I test for spatial autocorrelation

