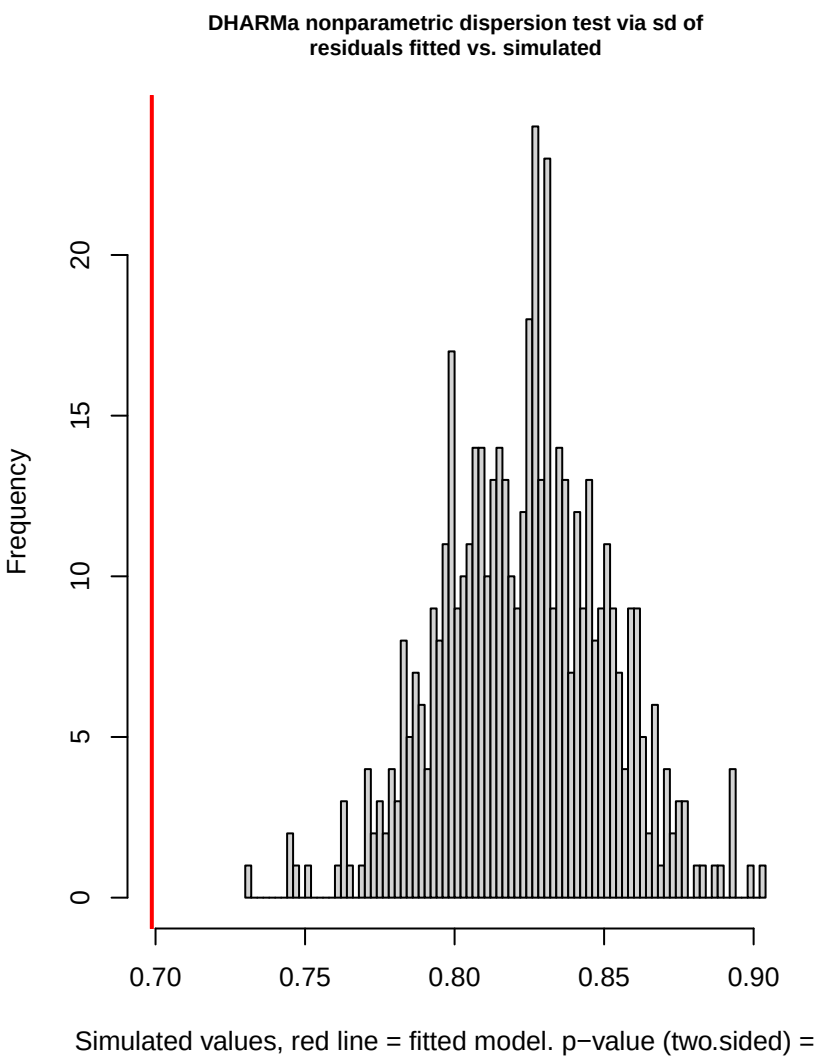
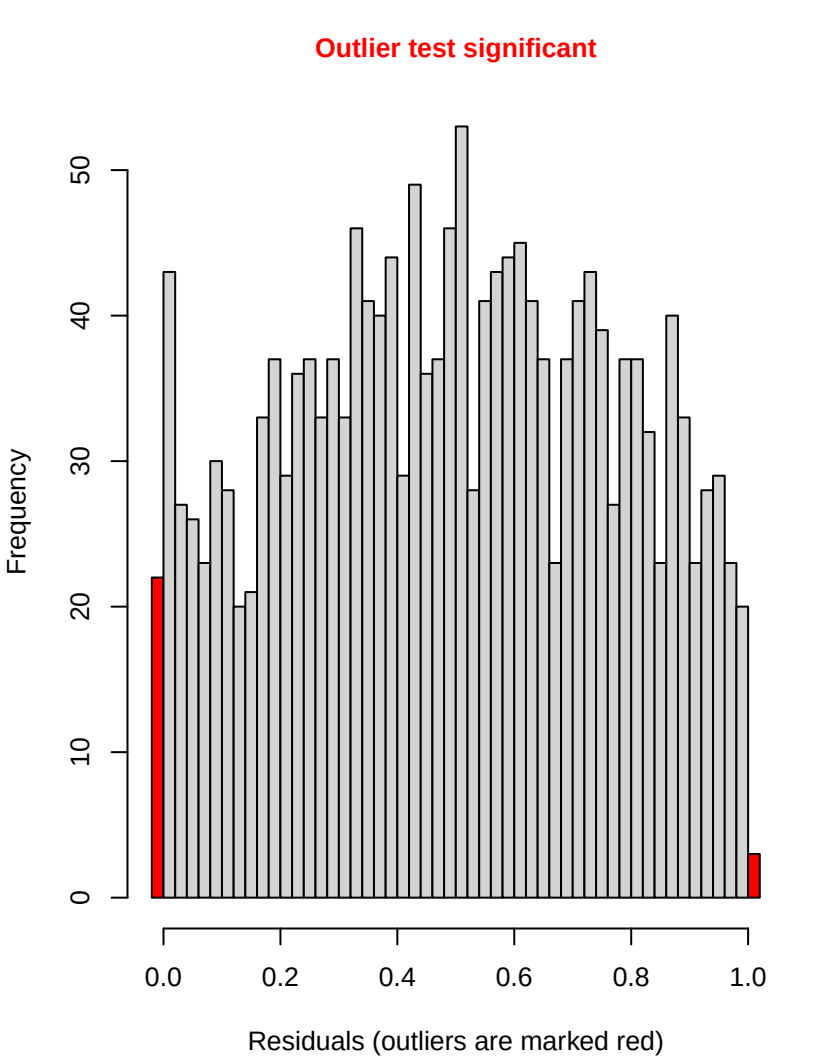
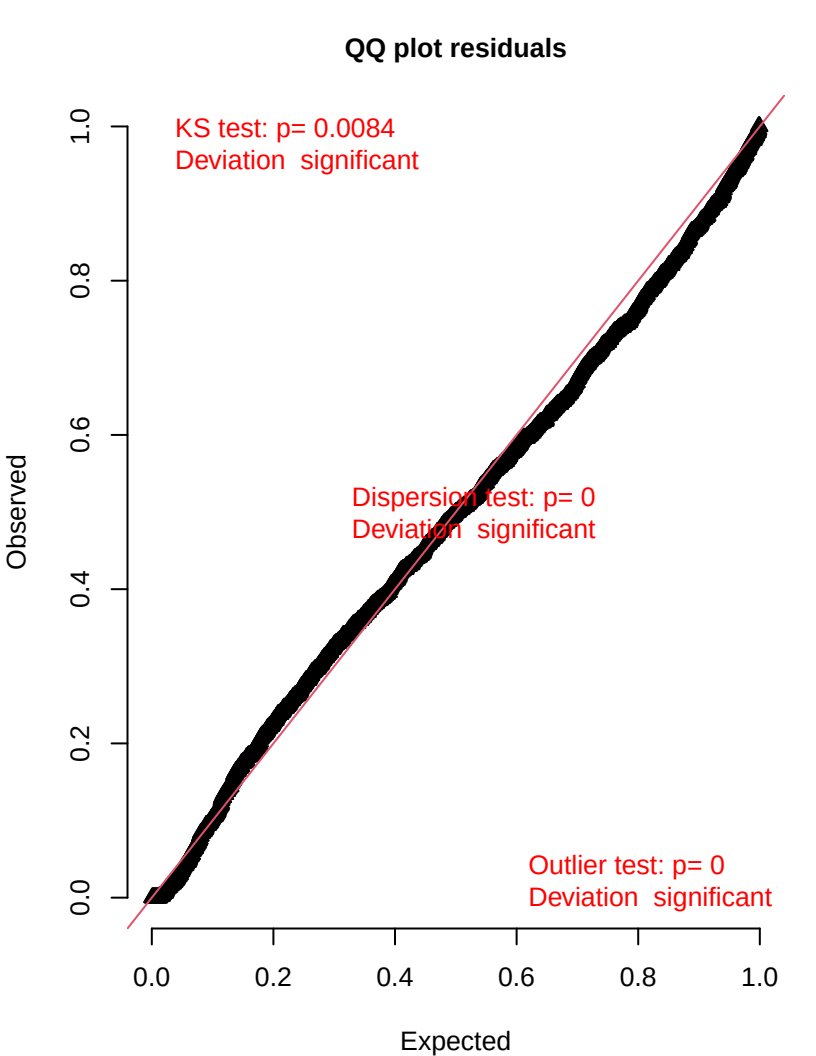
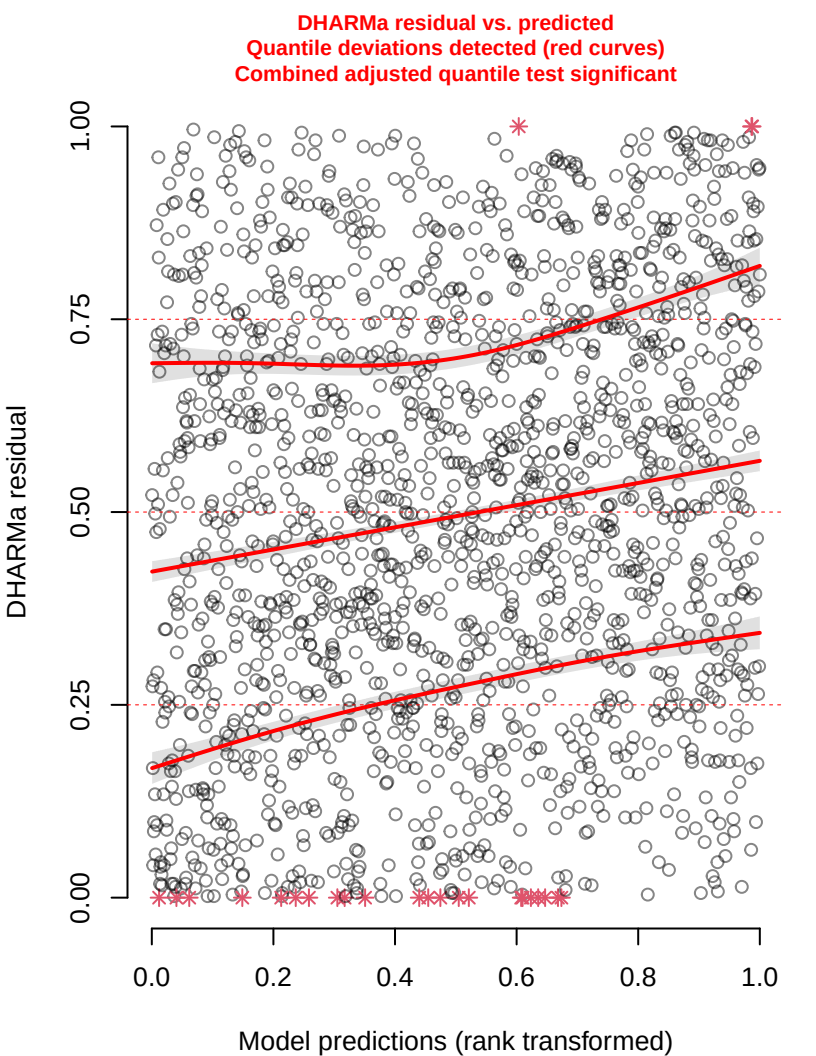
Model validation report

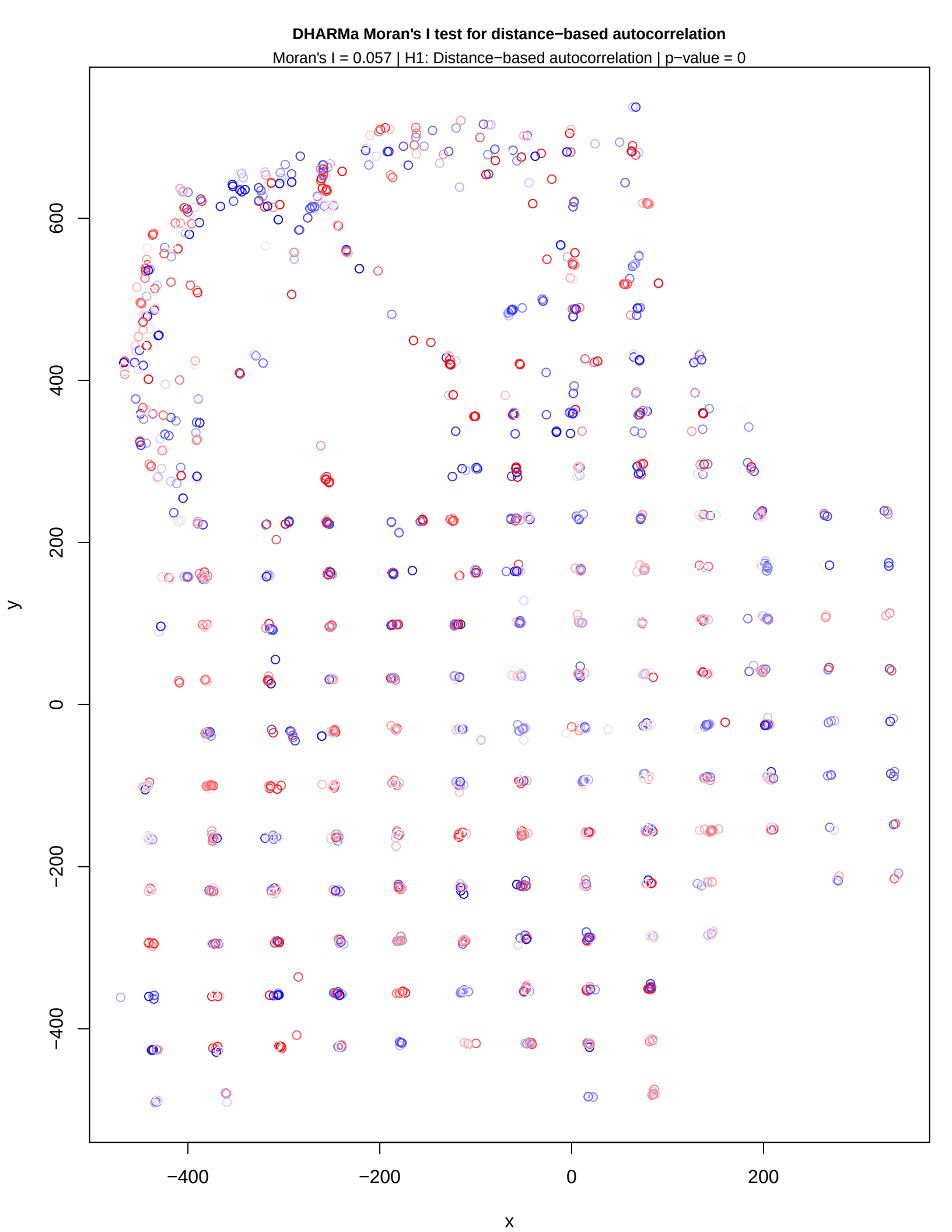
Model: fishing_Feve
Observations: 1753
Date: 2025−12−22

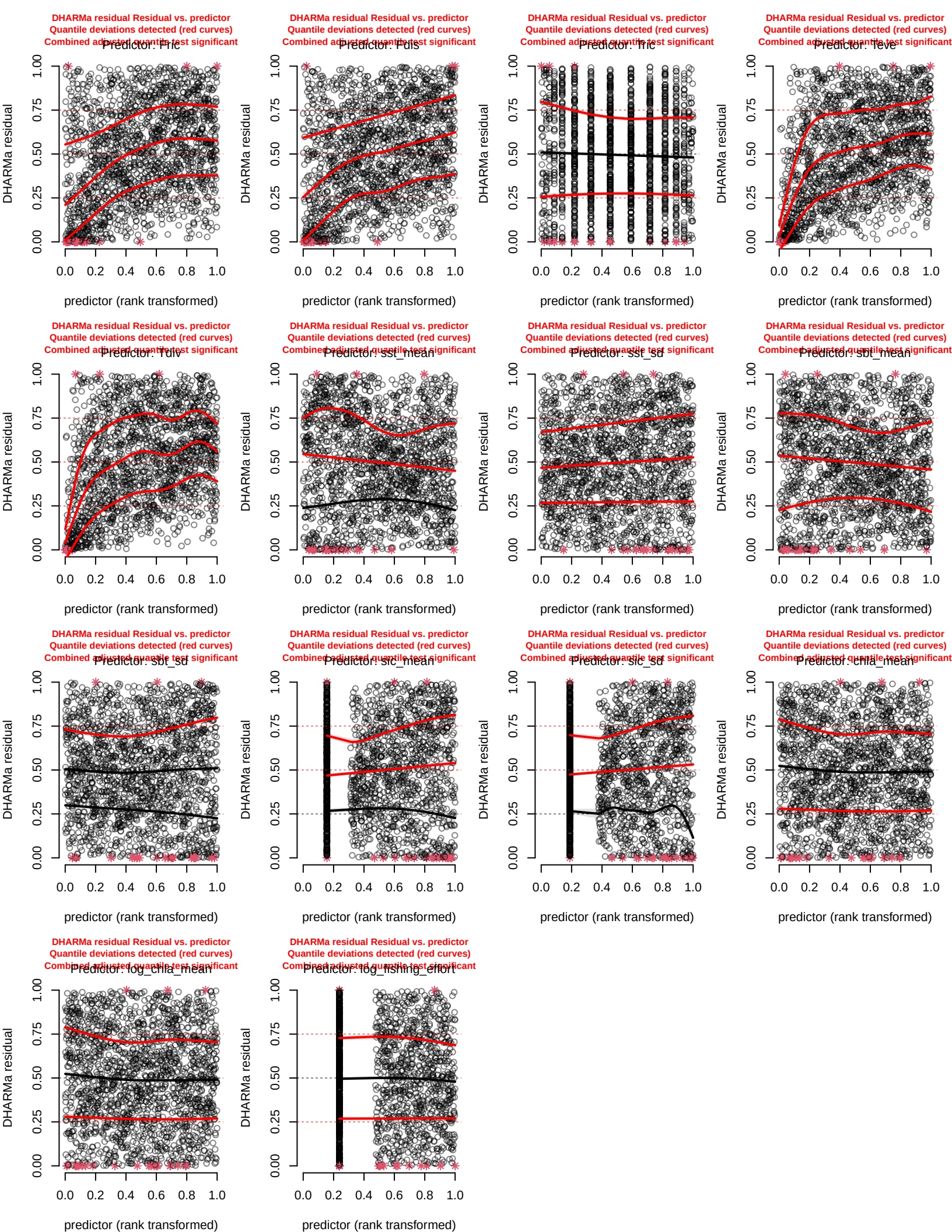

DHARMa nonparametric dispersion test via sd of residuals fitted vs. simulated
Frequency
0
5
10
15
20
0.70
0.75
0.80
0.85
0.90
Simulated values, red line = fitted model. p−value (two.sided) =


Outlier test significant
Frequency
0
10
20
30
40
50
0.0
0.2
0.4
0.6
0.8
1.0
Residuals (outliers are marked red)


QQ plot residuals
KS test: p= 0.0084
Deviation significant
Dispersion test: p= 0
Deviation significant
Outlier test: p= 0
Deviation significant
Observed
0.0
0.2
0.4
0.6
0.8
1.0
Expected


DHARMa residual vs. predicted
Quantile deviations detected (red curves)
Combined adjusted quantile test significant
DHARMa residual
0.00
0.25
0.50
0.75
1.00
0.0
0.2
0.4
0.6
0.8
1.0
Model predictions (rank transformed)


DHARMa Moran's I test for distance−based autocorrelation
Moran's I = 0.057 | H1: Distance−based autocorrelation | p−value = 0
y
600
400
200
0
−200
−400
−400
−200
0
200
x


DHARMa residual Residual vs. predictor
Quantile deviations detected (red curves)
Combined adjusted quantile test significant
Predictor: Tric
Predictor: Pdis
Predictor: Tric
Predictor: Teve
Predictor: Tdiv
Predictor: sst_mean
Predictor: sst_sd
Predictor: sbt_mean
Predictor: sbt_sd
Predictor: sic_mean
Predictor: sic_sd
Predictor: chla_mean
Predictor: log_chla_mean
Predictor: log_fishing_effort
DHARMa residual
predictor (rank transformed)
0.00
0.25
0.50
0.75
1.00
0.0
0.2
0.4
0.6
0.8
1.0