

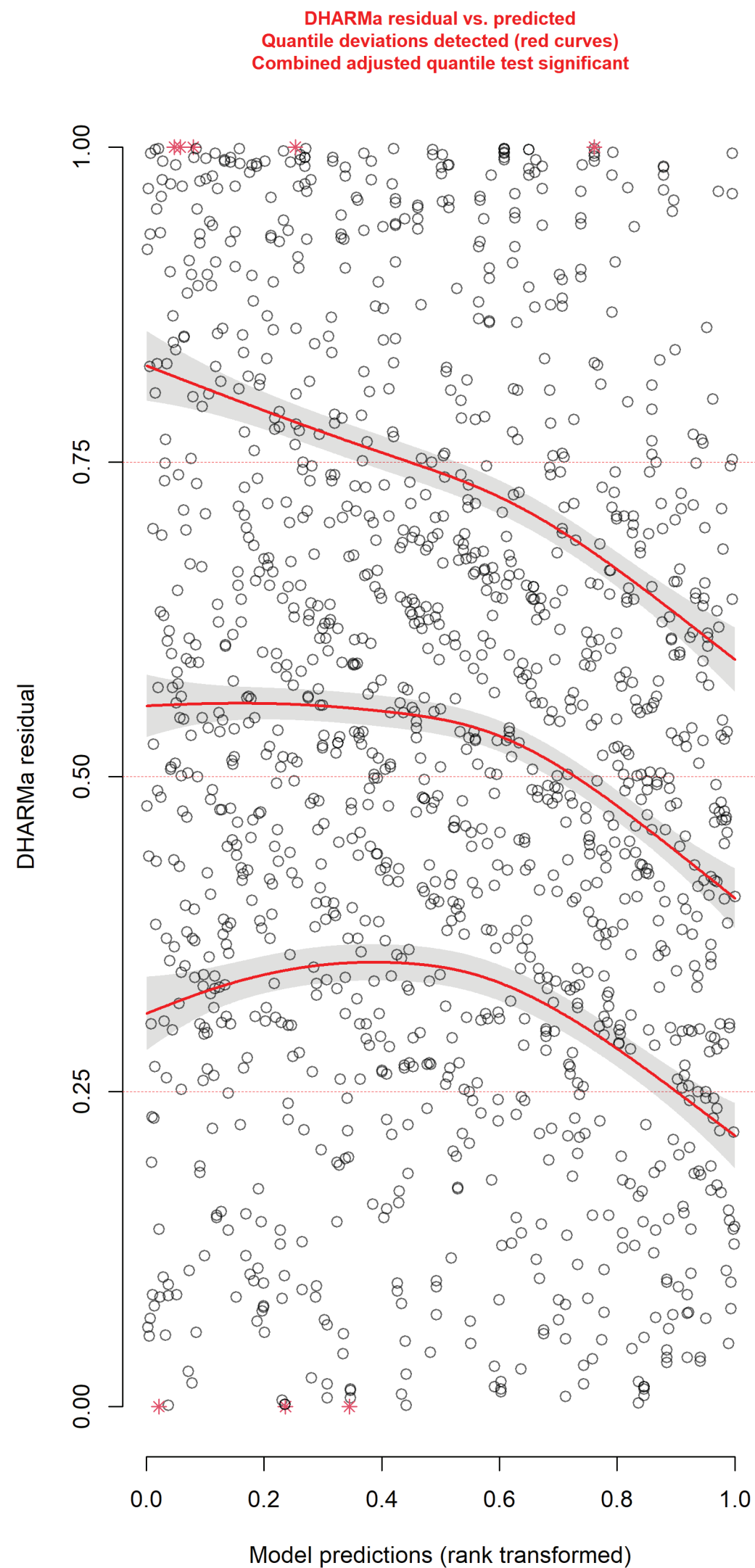
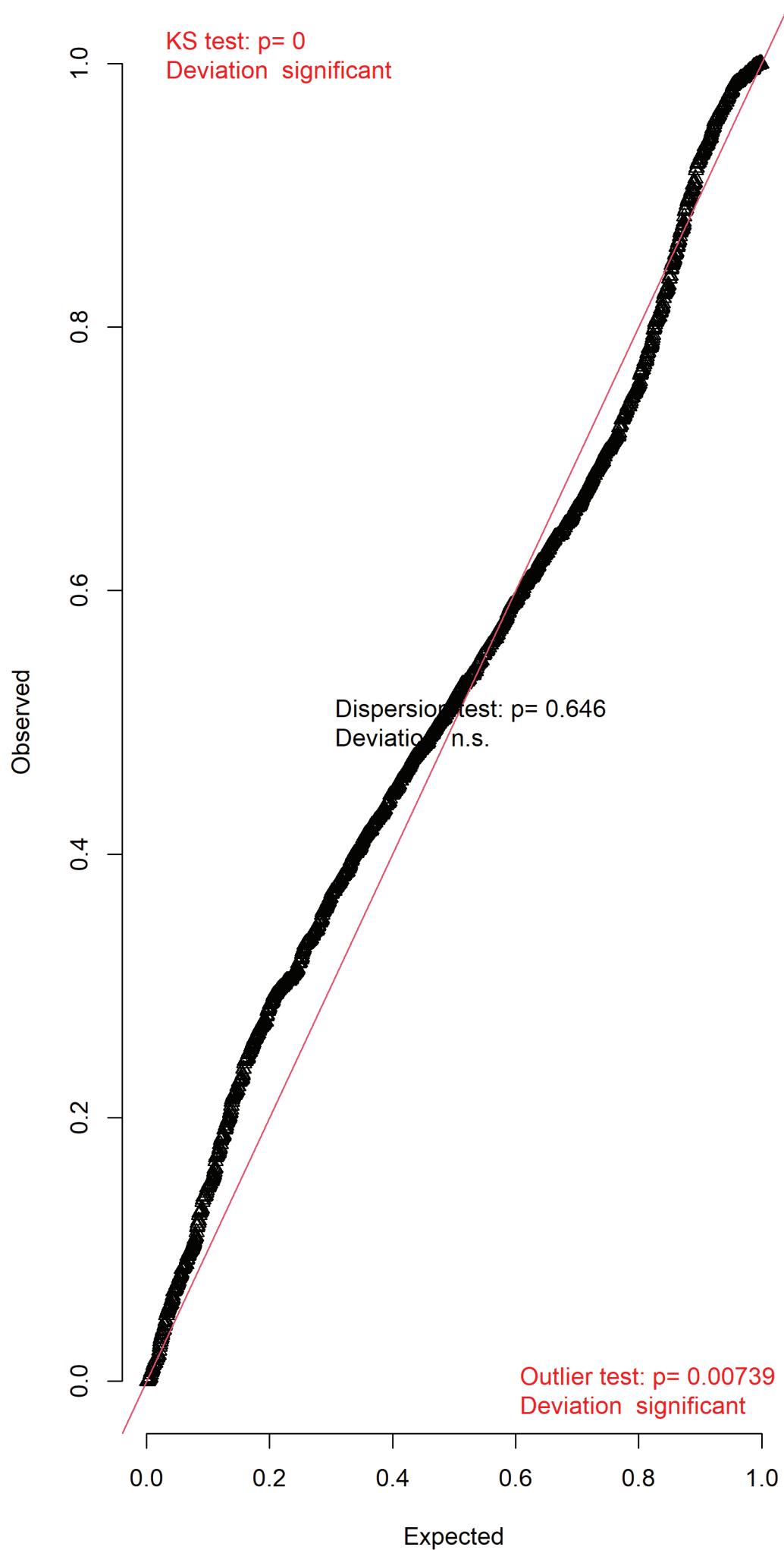
Supplementary Figure 5: Residuals Plots of Within-EJ Neighborhood Analysis Models

Quantile-Quantile (Q-Q) plots and residual vs. predicted value plots of model predictions implemented in the DHARMA R package v.0.4.7. Q-Q plots show dispersion test via SD of the residuals fitted vs. simulated values, as well as outlier test results. Red stars in the residual vs. predicted plots represent outliers. A. pH. B. logSPCOND. C. TEMP. D. DO.

A.

DHARMa residual

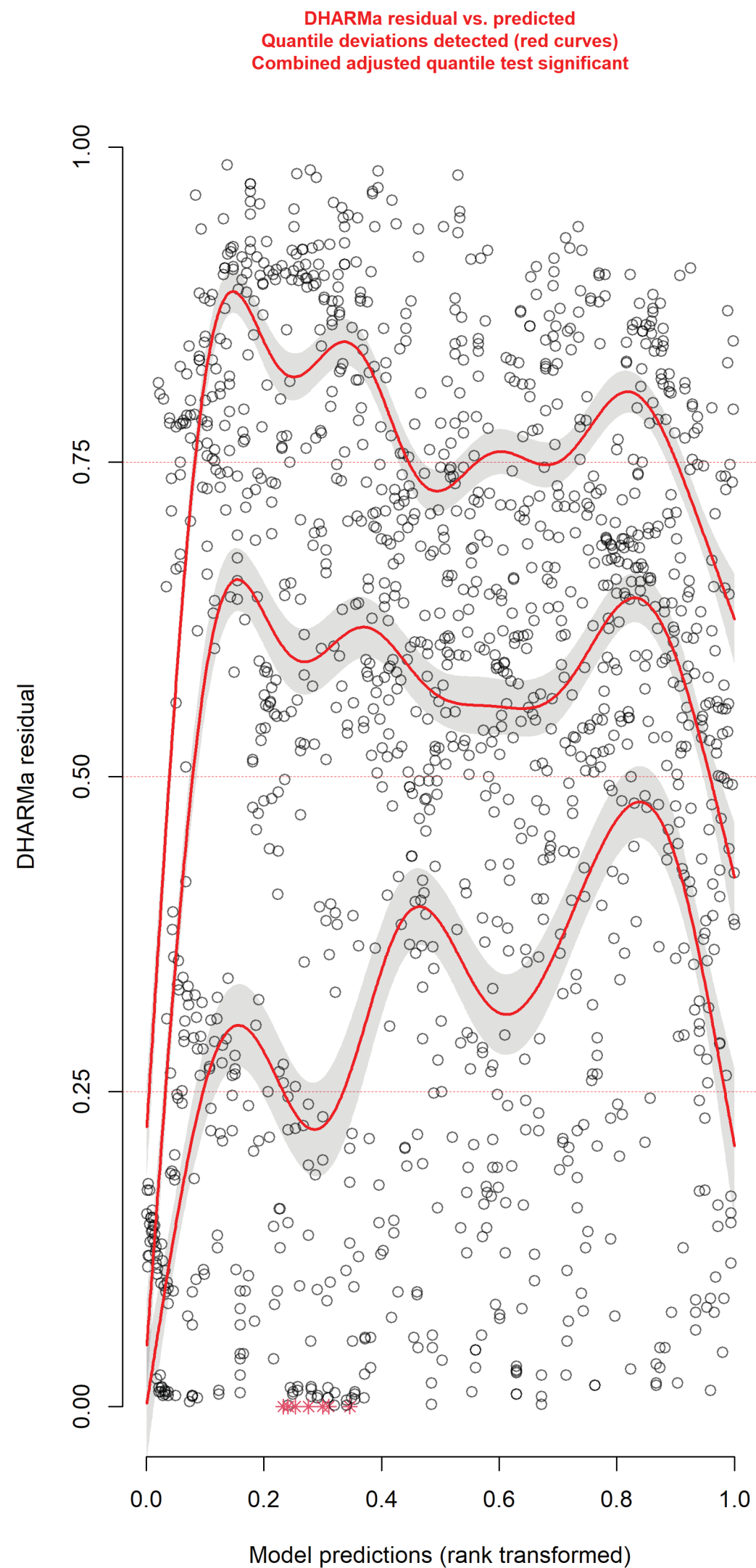
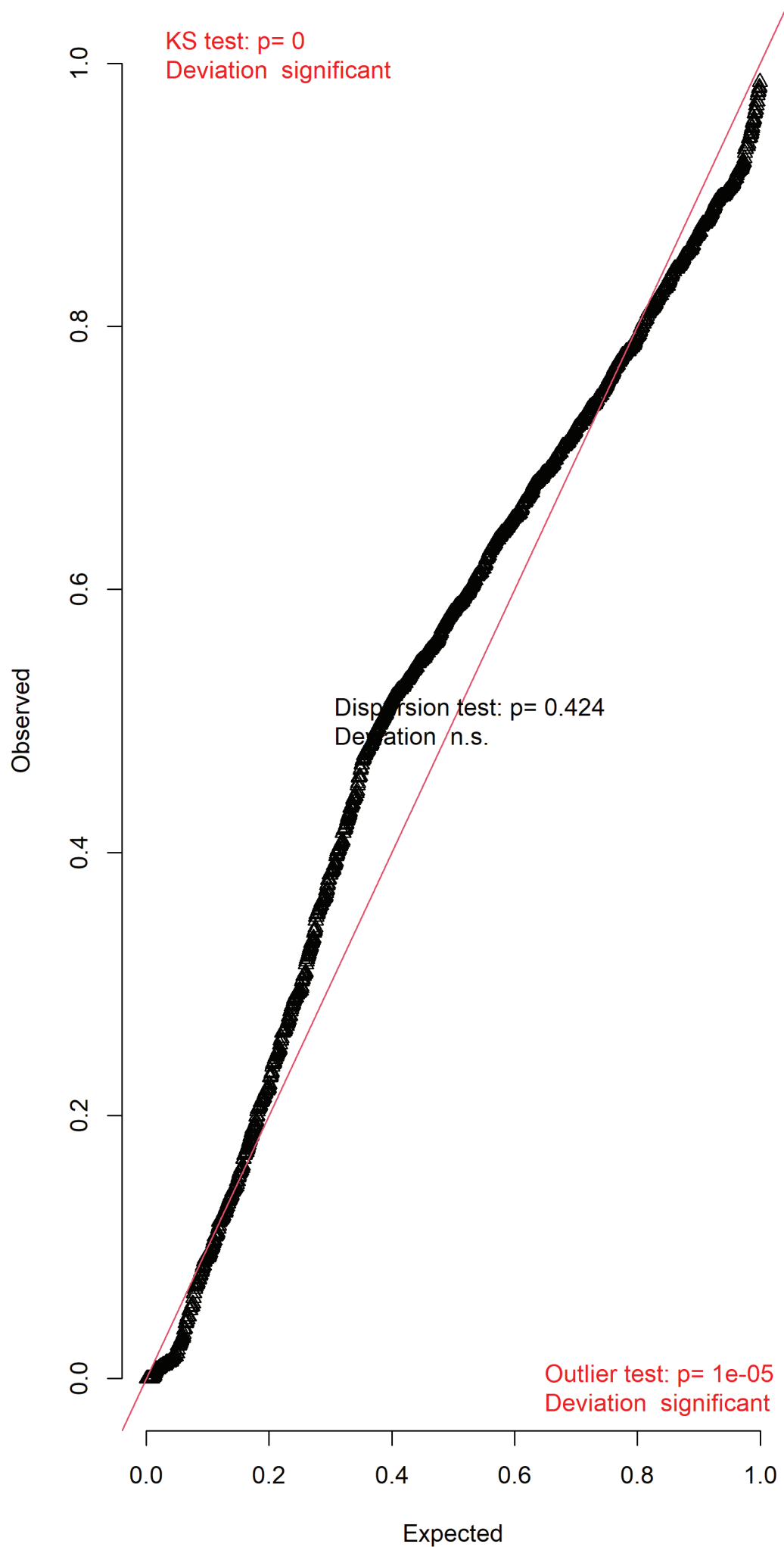
QQ plot residuals



B.

DHARMA residual

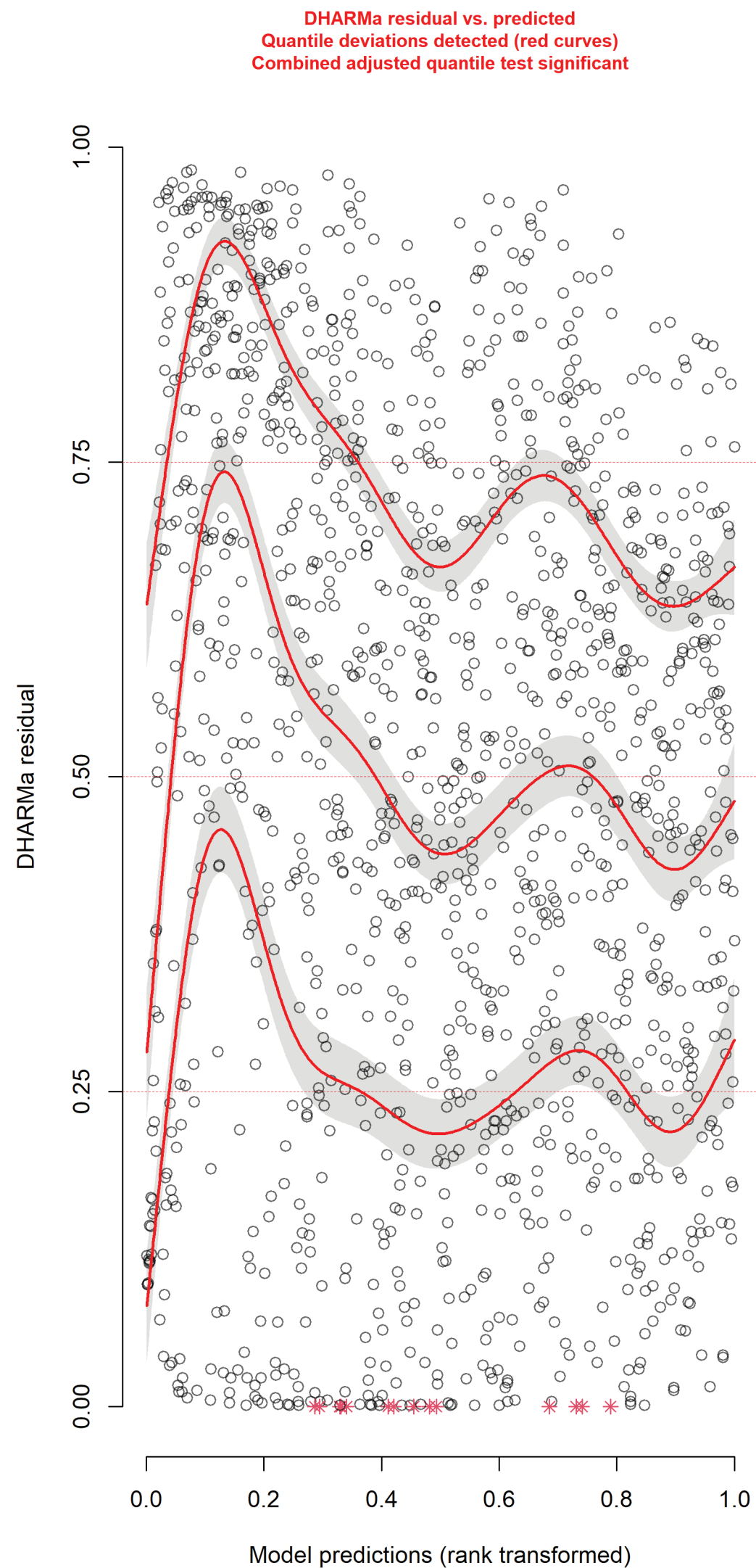
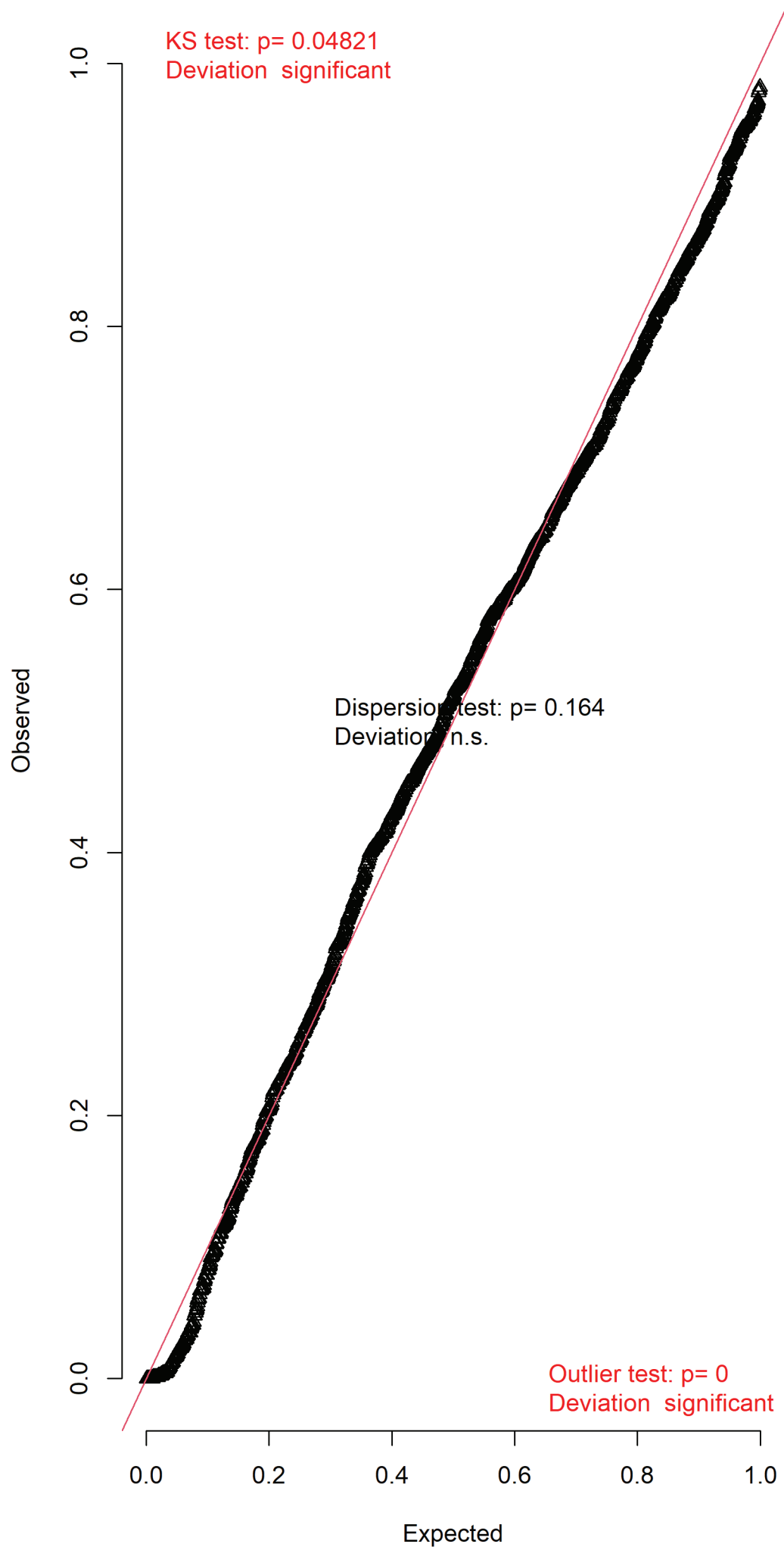
QQ plot residuals



C.

DHARMA residual

QQ plot residuals



D.

DHARMa residual

QQ plot residuals

