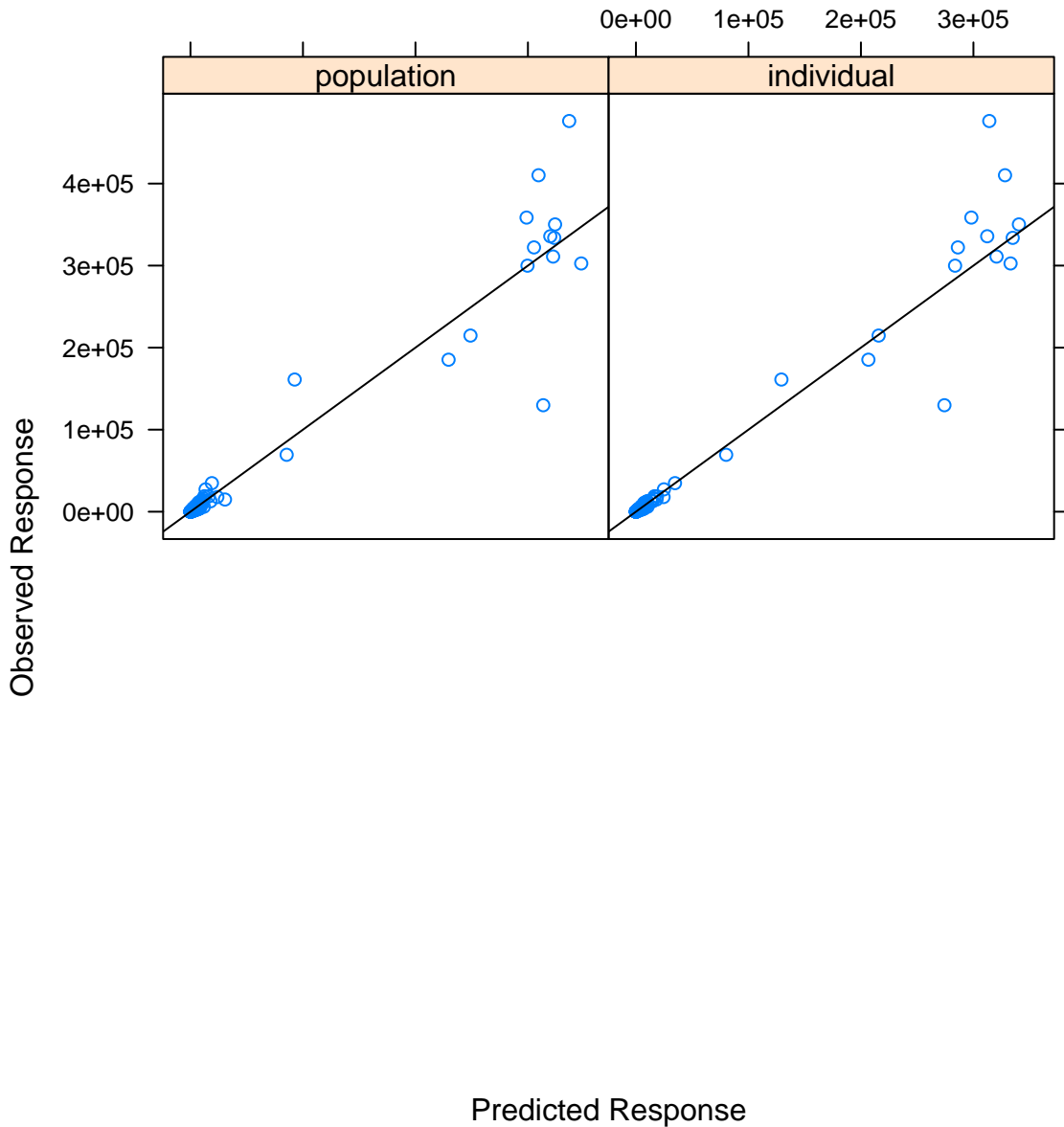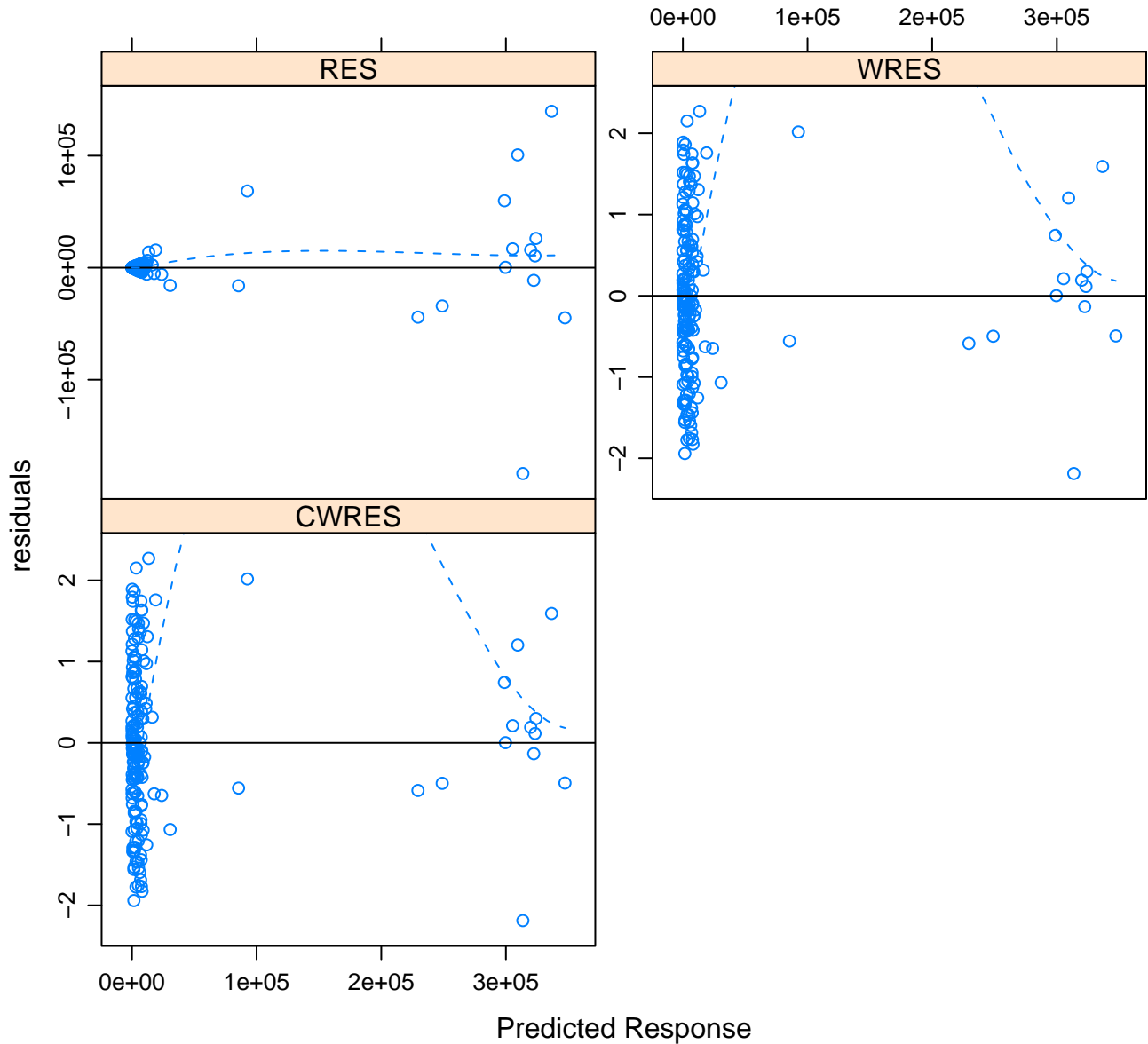**Model 2**
Observed vs. Predicted for female data
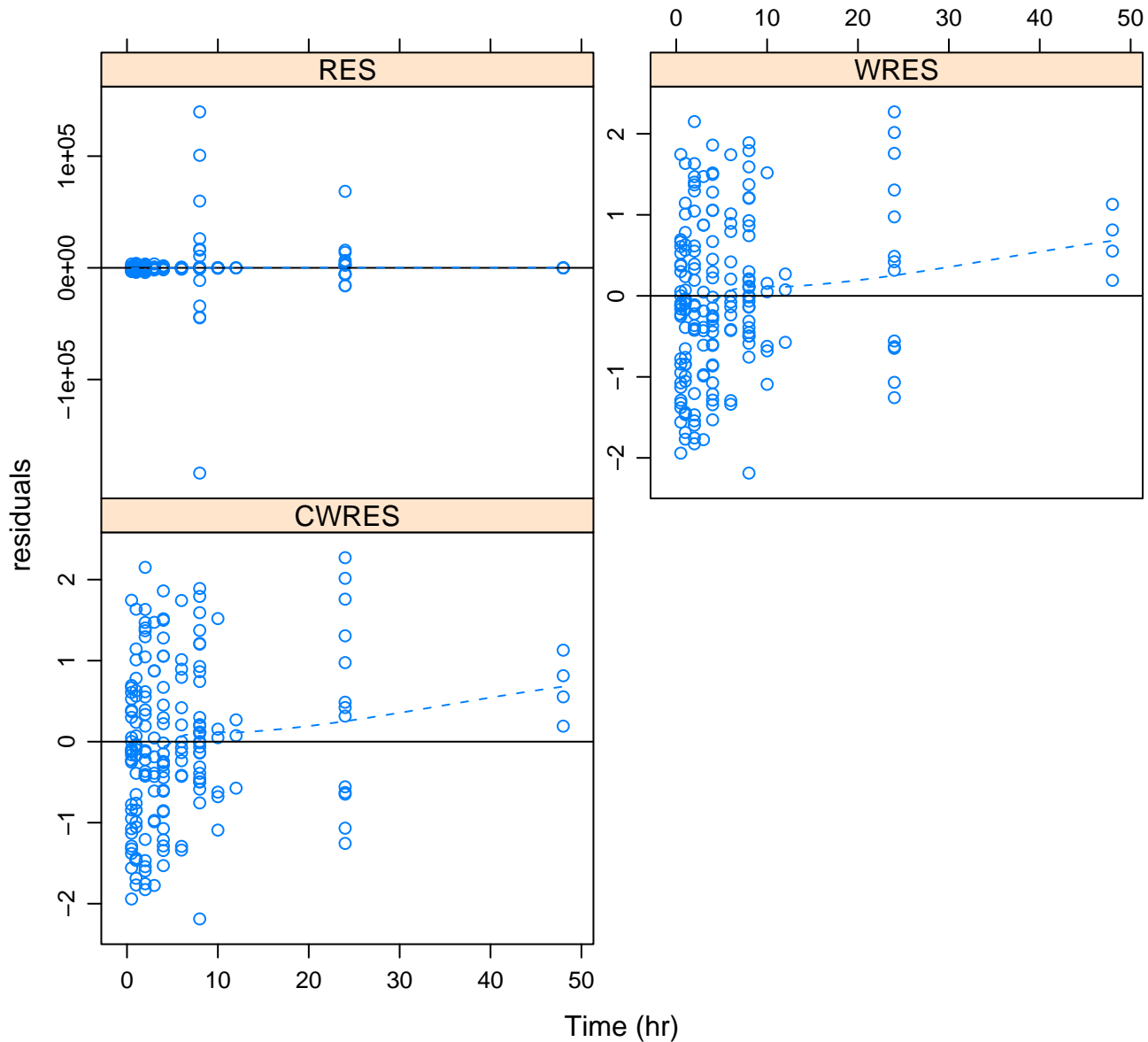
Model 2
Residuals vs. Predicted for female data
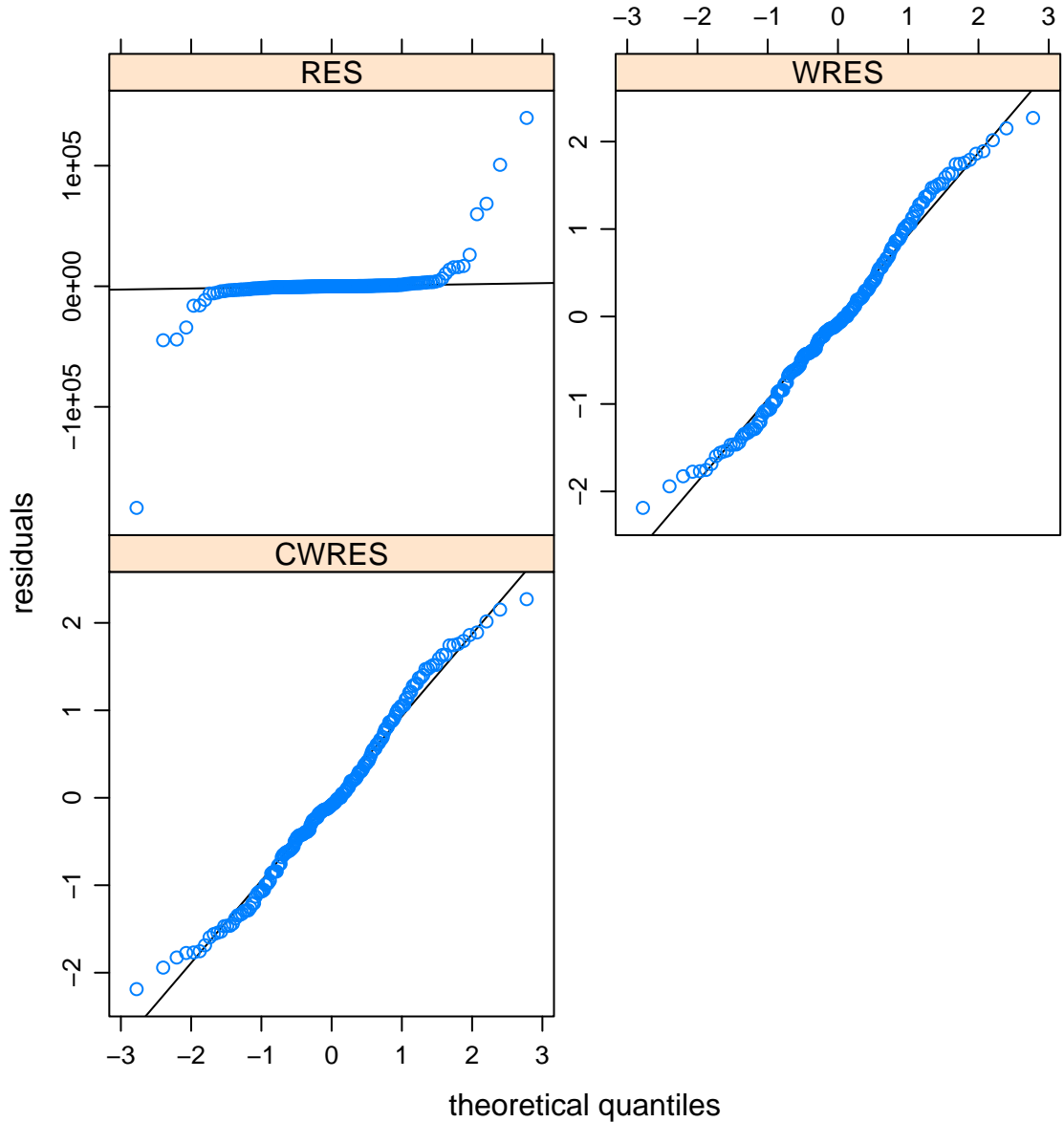
Model 2
Residuals vs. Time for female data
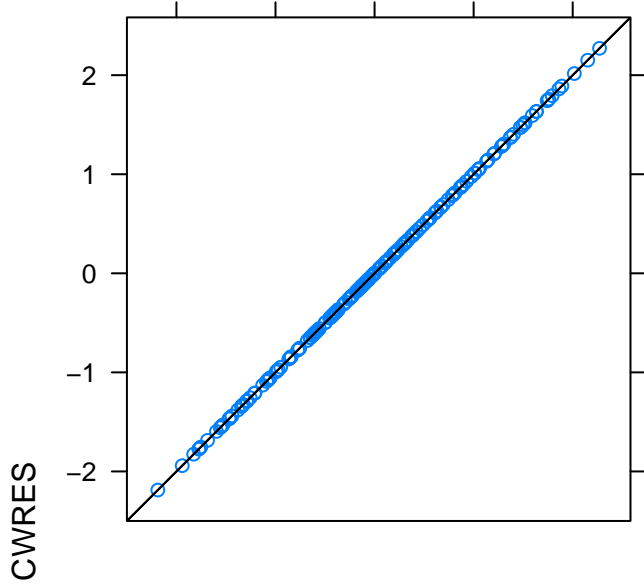
Model 2
Normal Q–Q Plot Residuals for female data
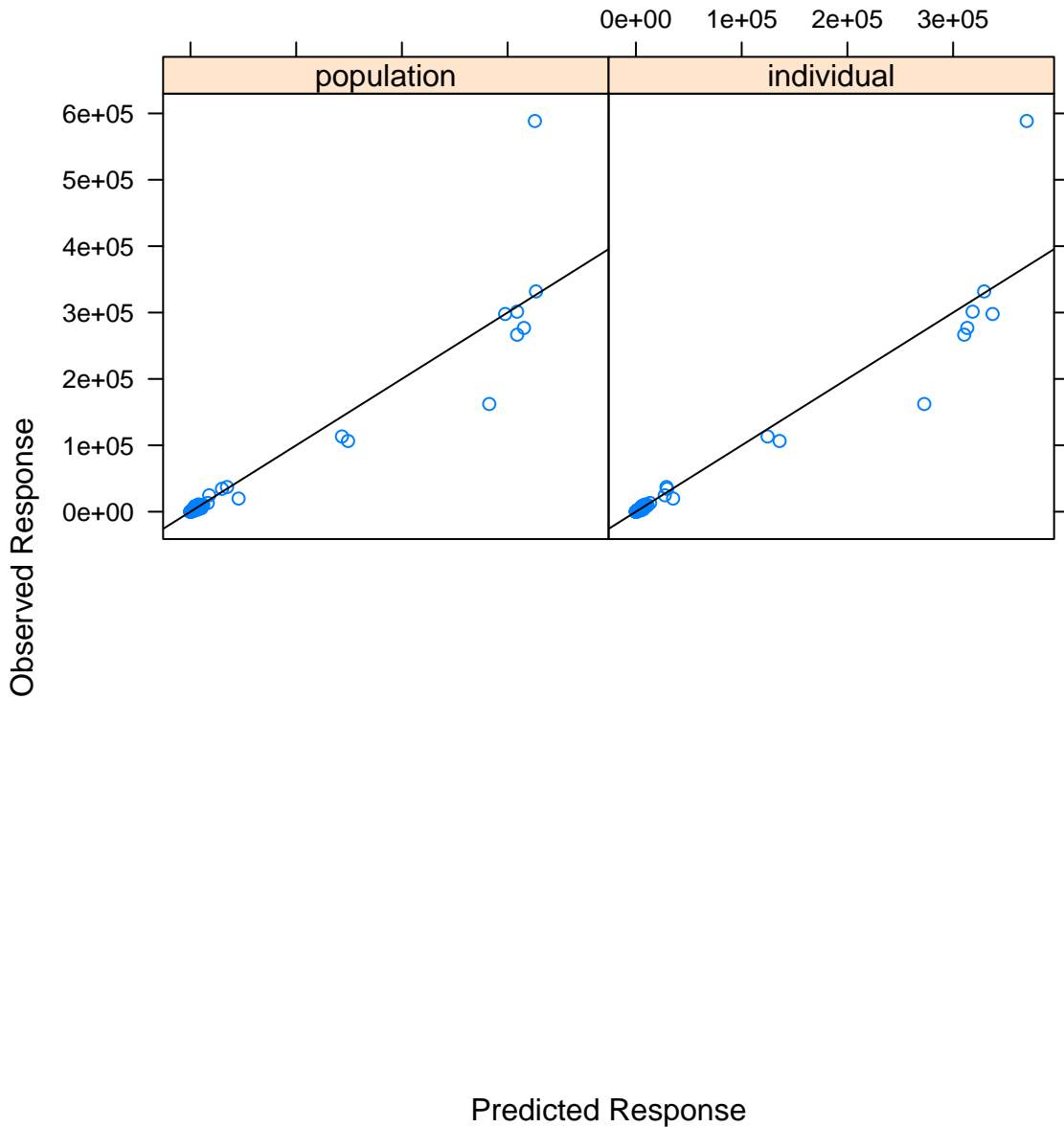
Model 2
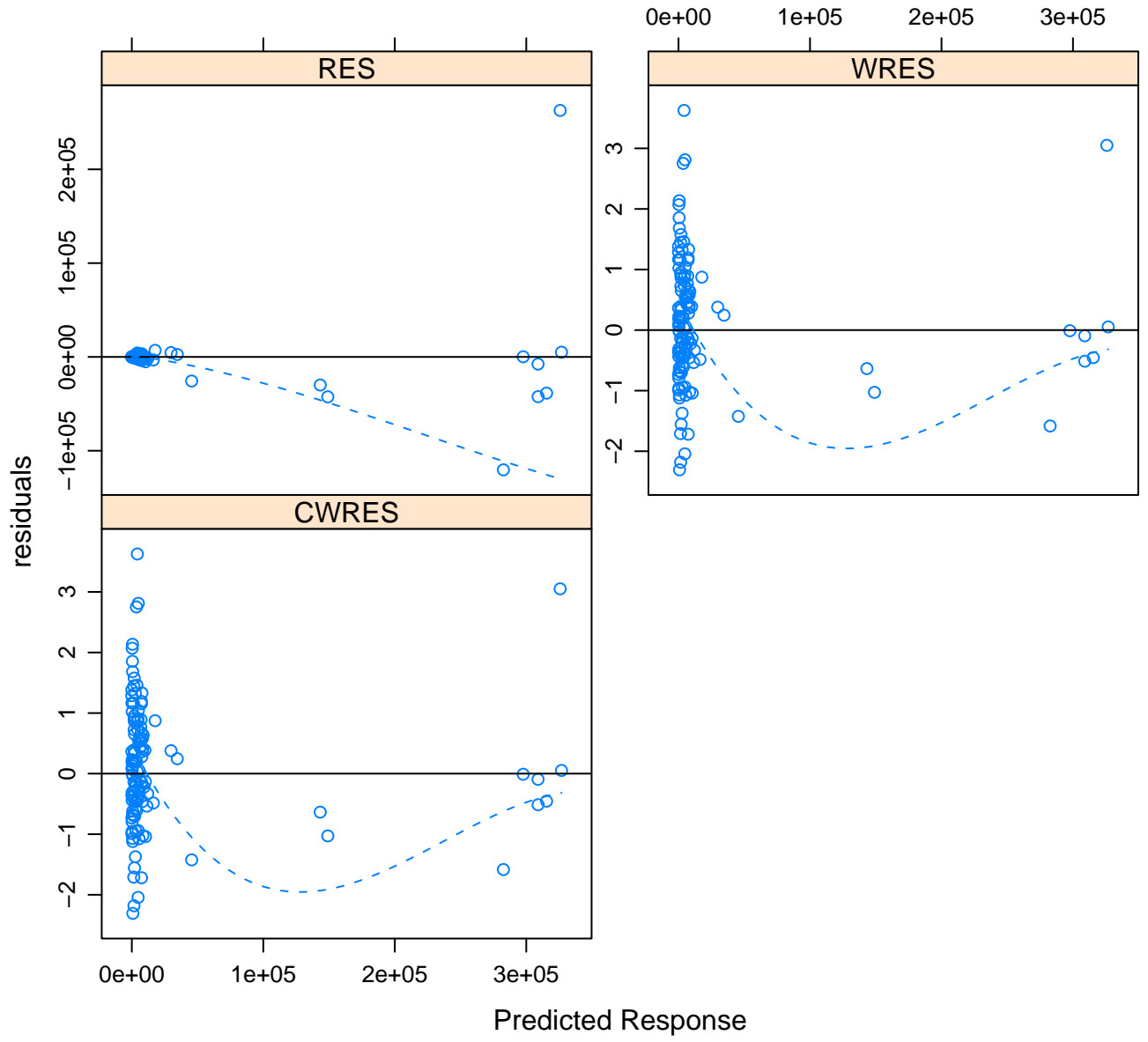**Q−Q Plot of CWRES vs. WRES for female data**

Model 2
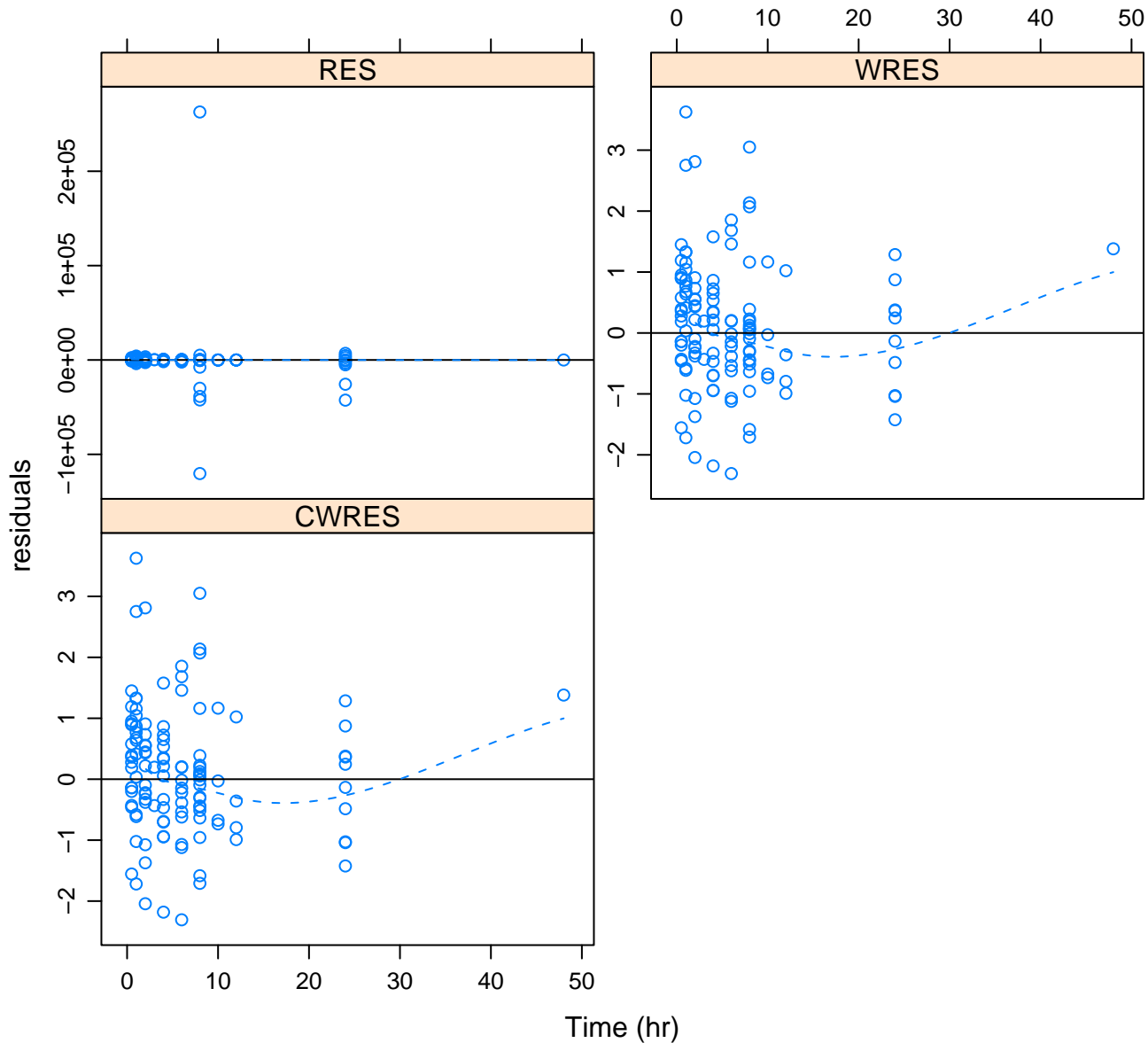**Observed vs. Predicted for male data**

Model 2
Residuals vs. Predicted for male data
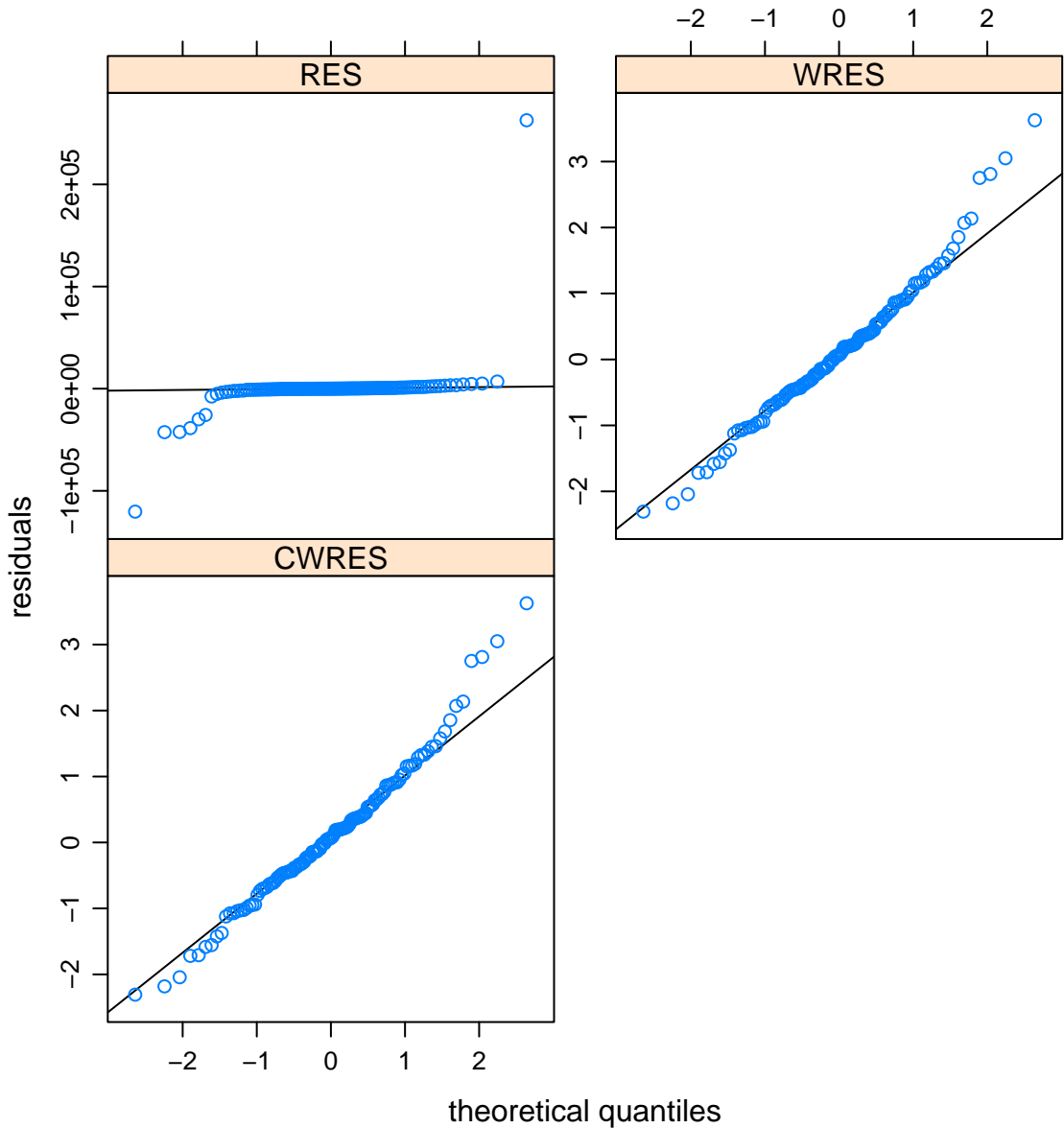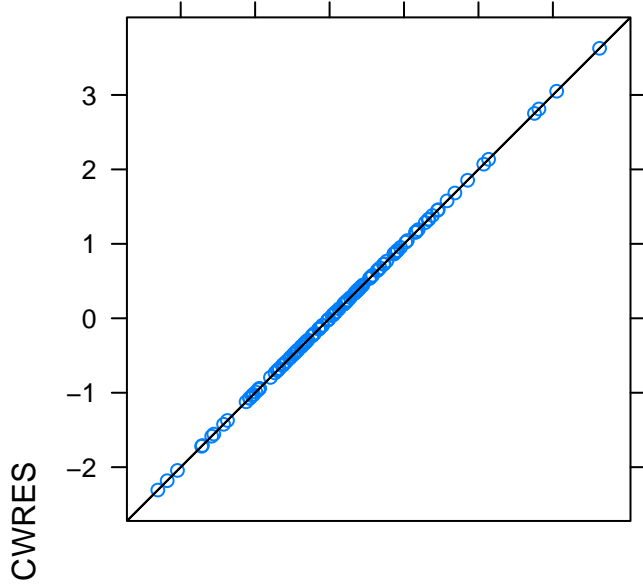
Model 2
Residuals vs. Time for male data

Model 2
Normal Q–Q Plot Residuals for male data
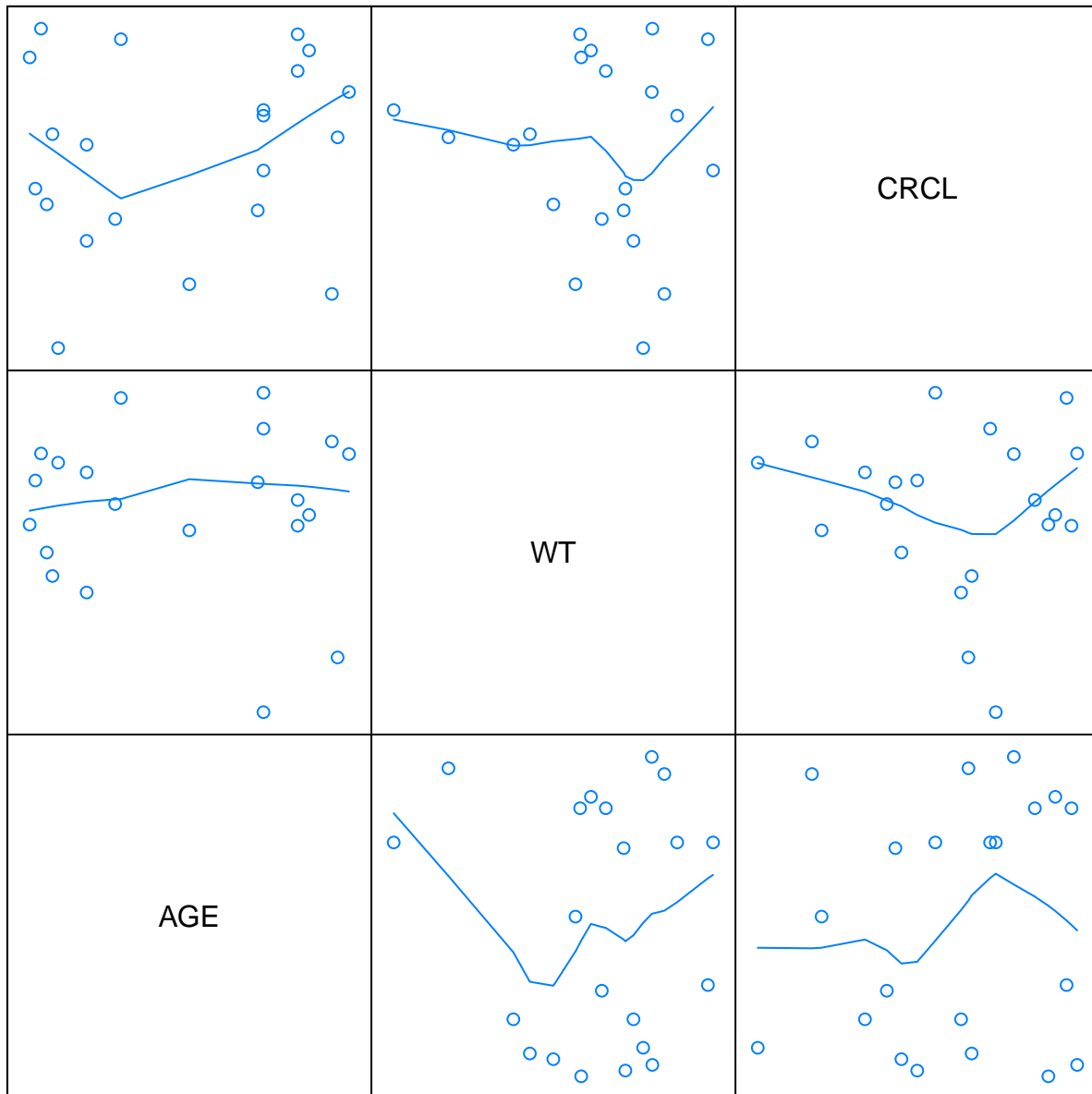
Model 2
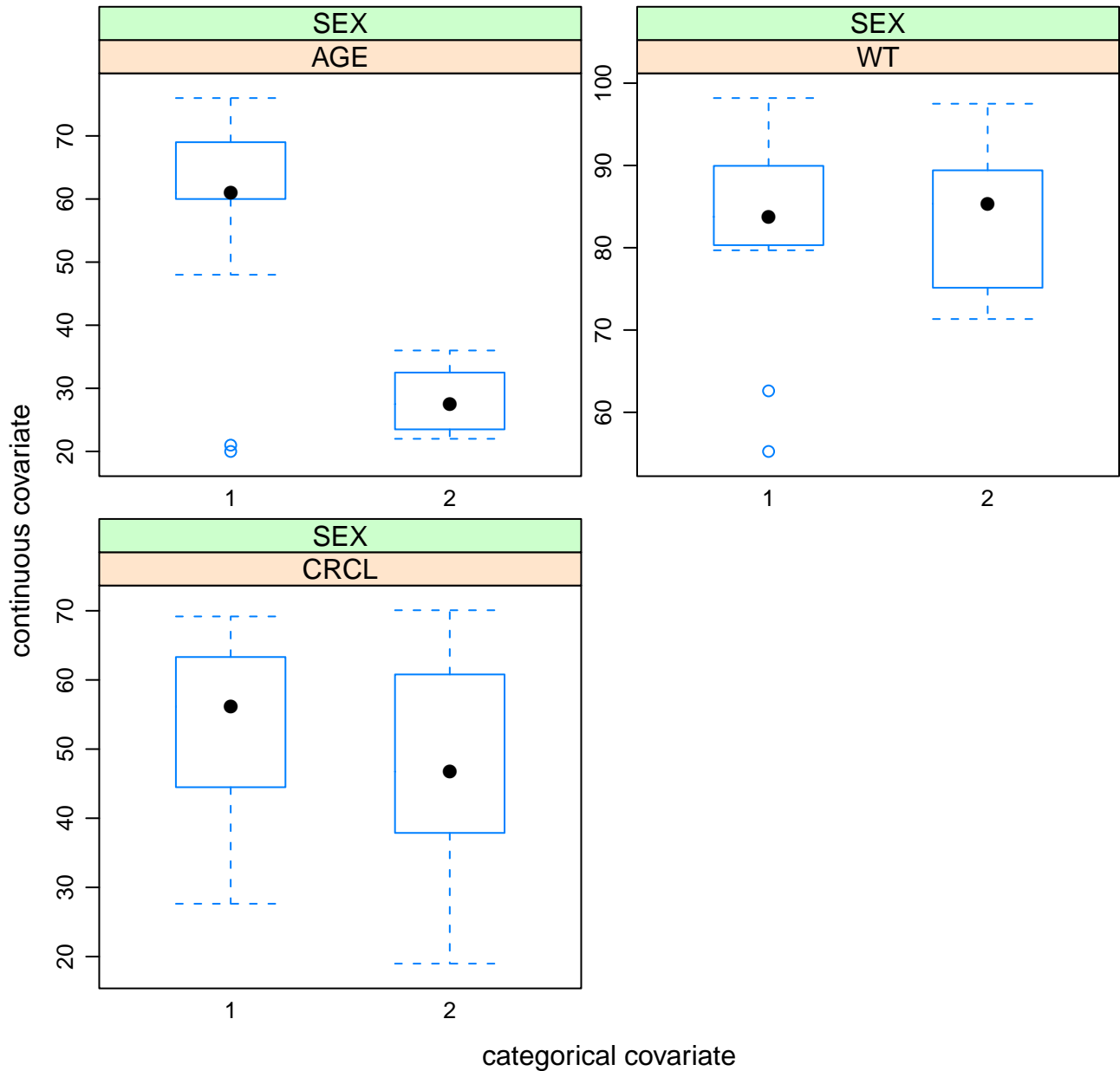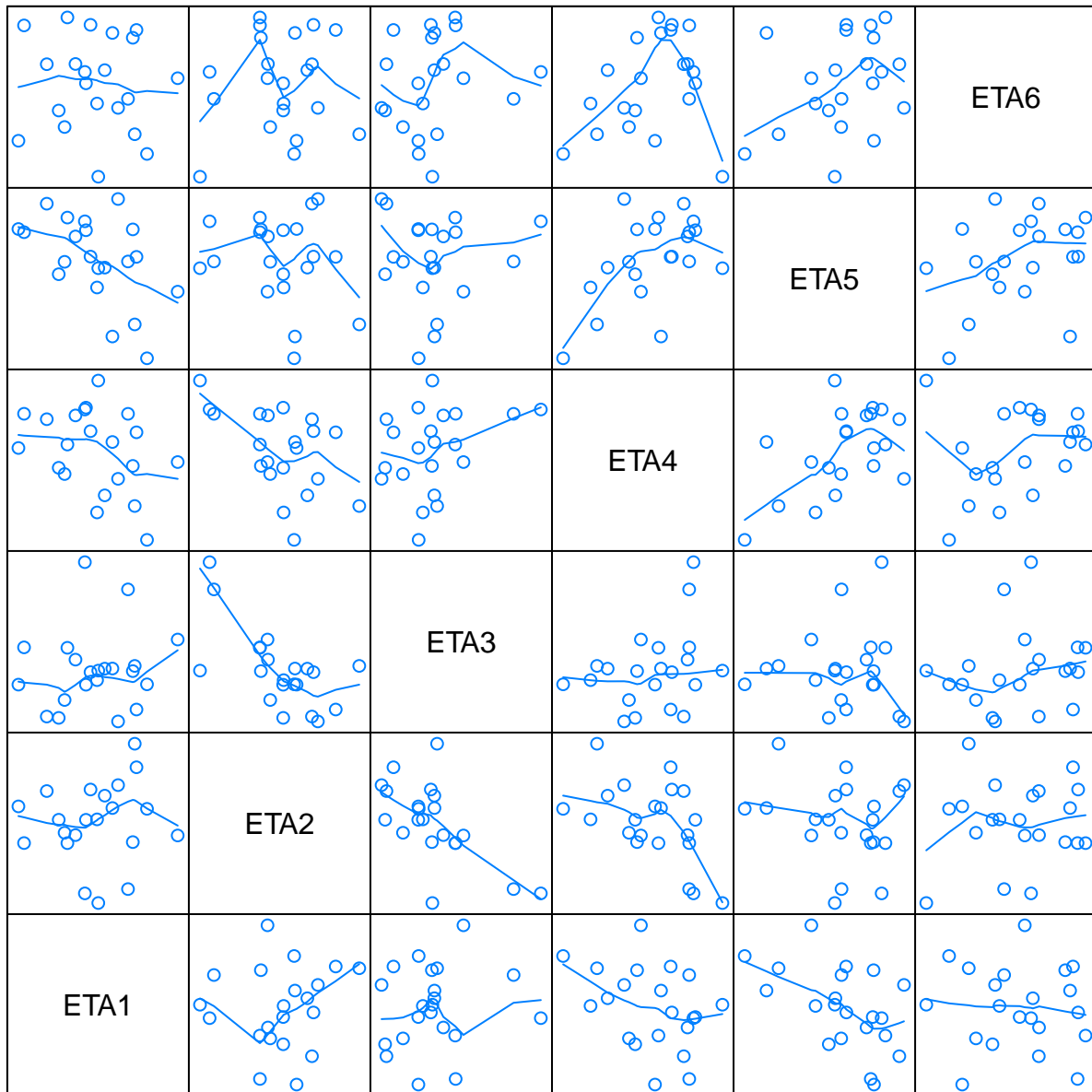**Q–Q Plot of CWRES vs. WRES for male data**
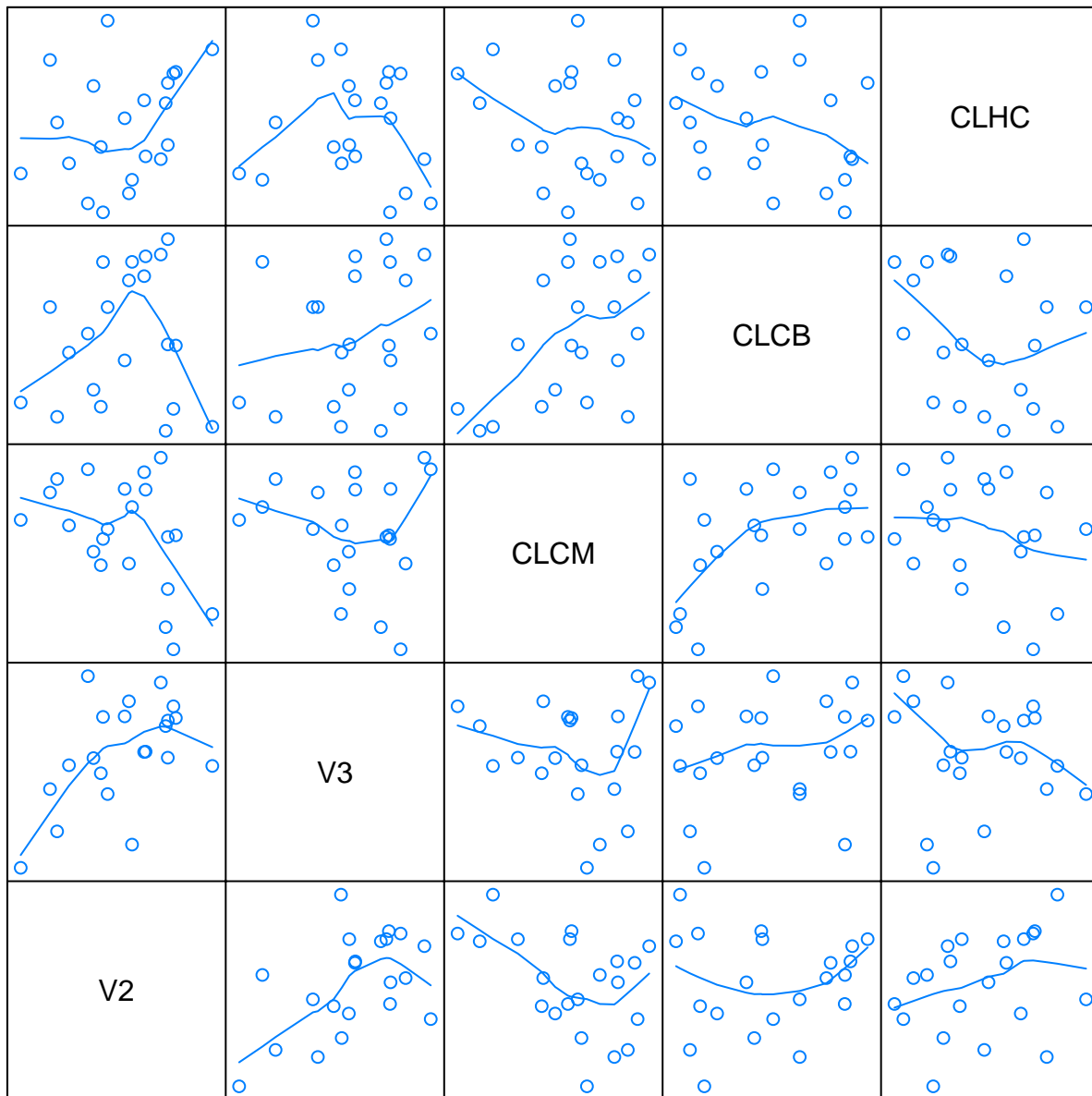
CWRES

WRES

Covariate Scatterplots
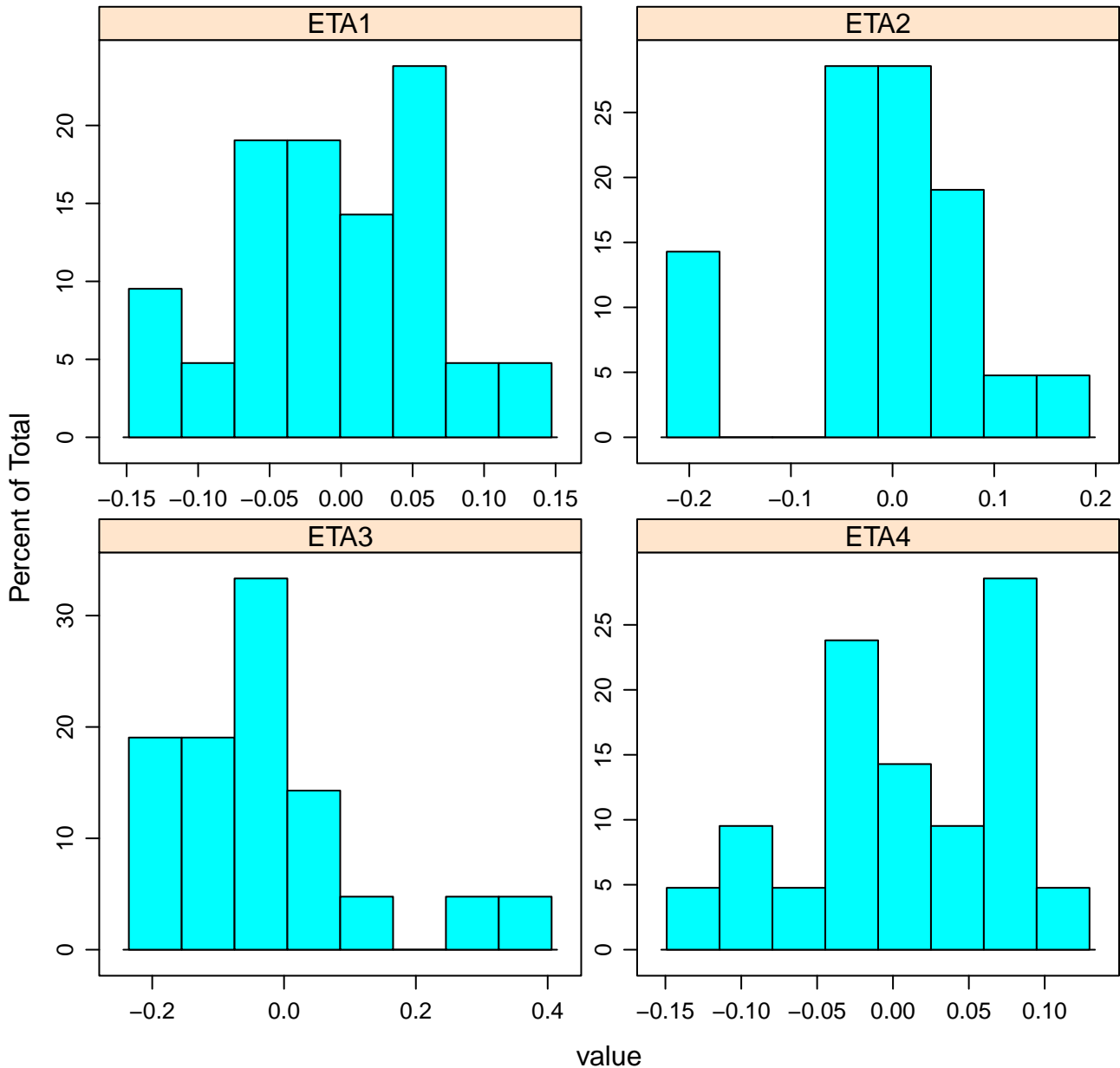
Continuous Covariates vs. Categorical Covariates
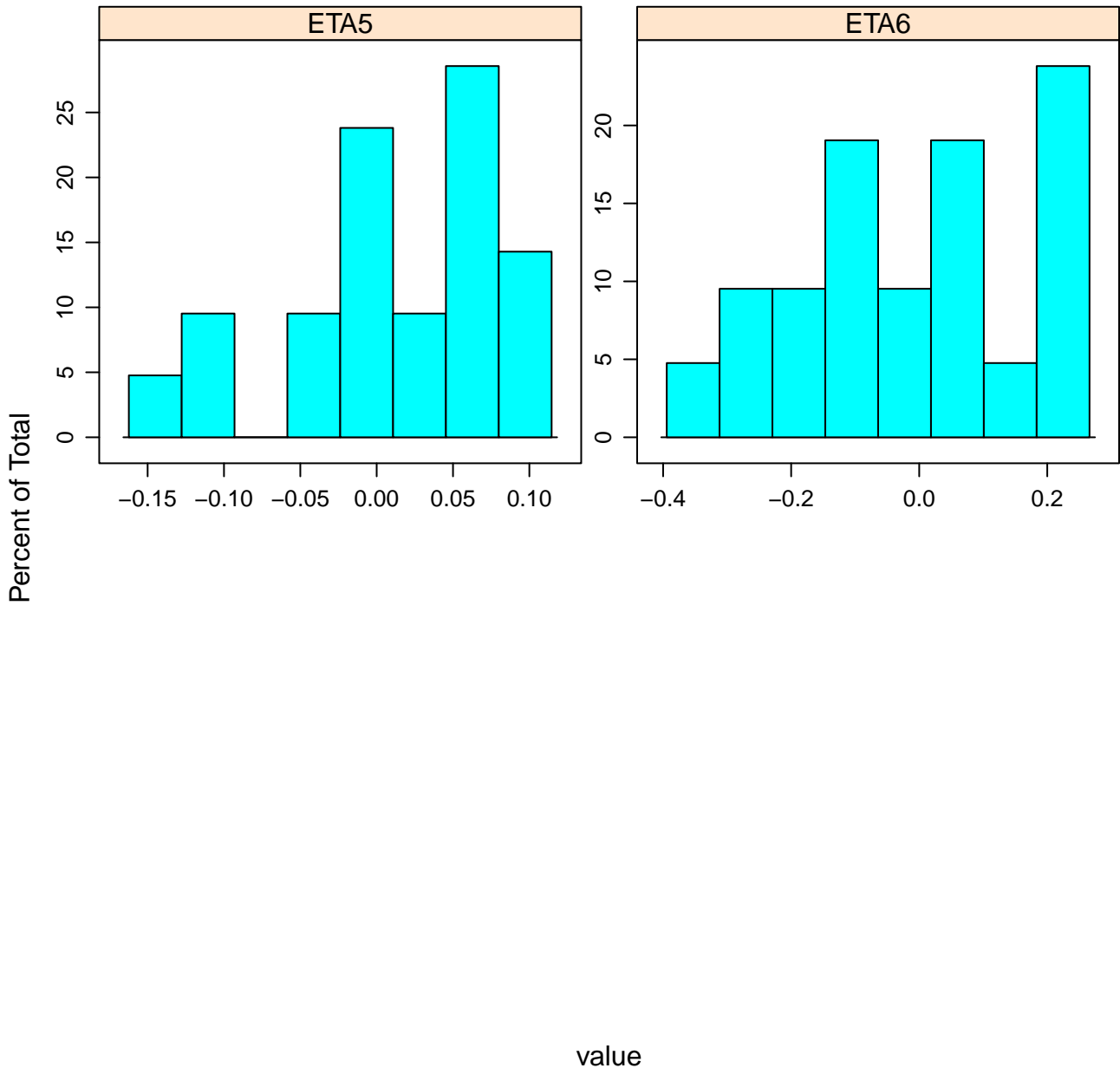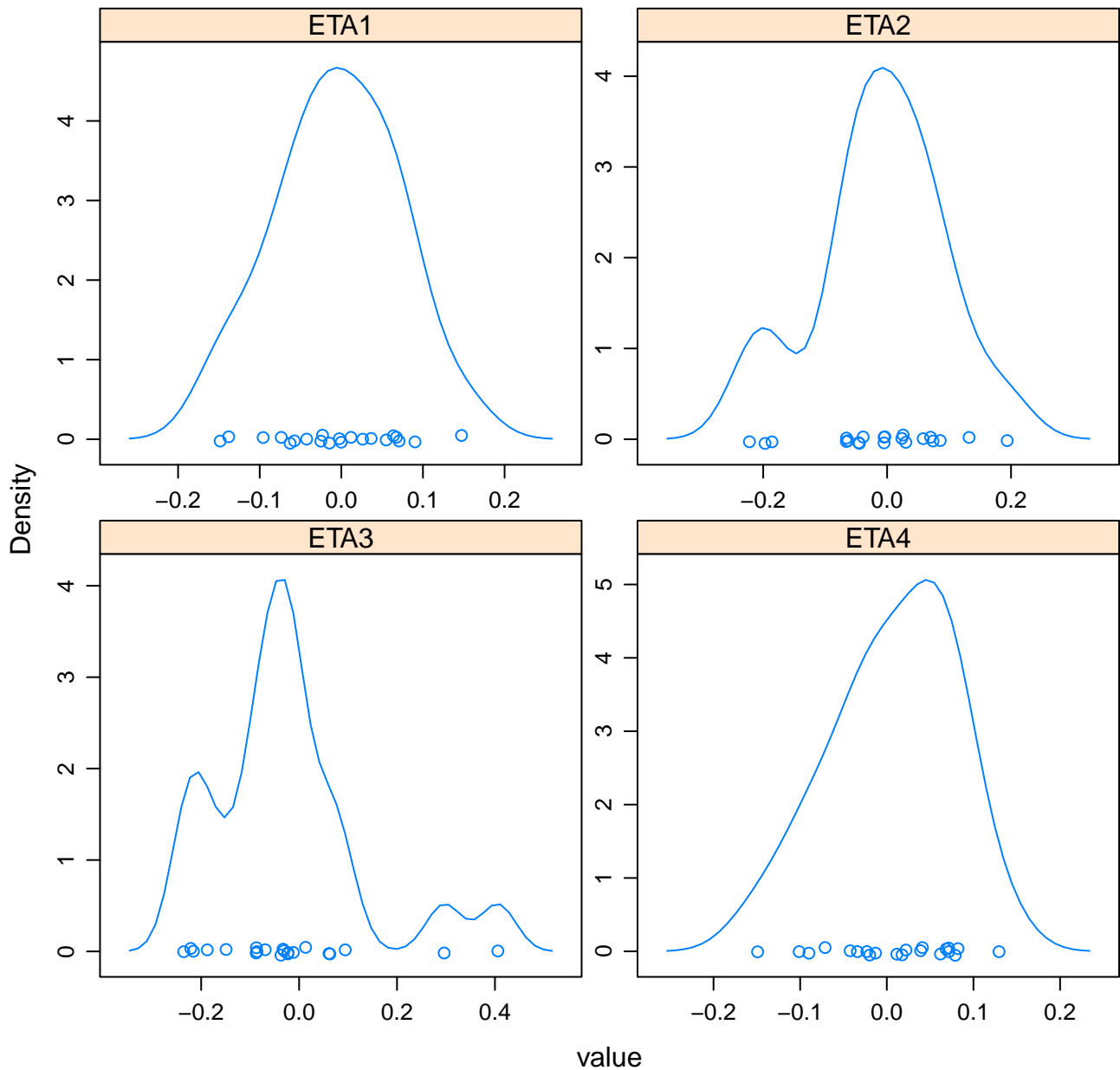
ETA Scatterplots

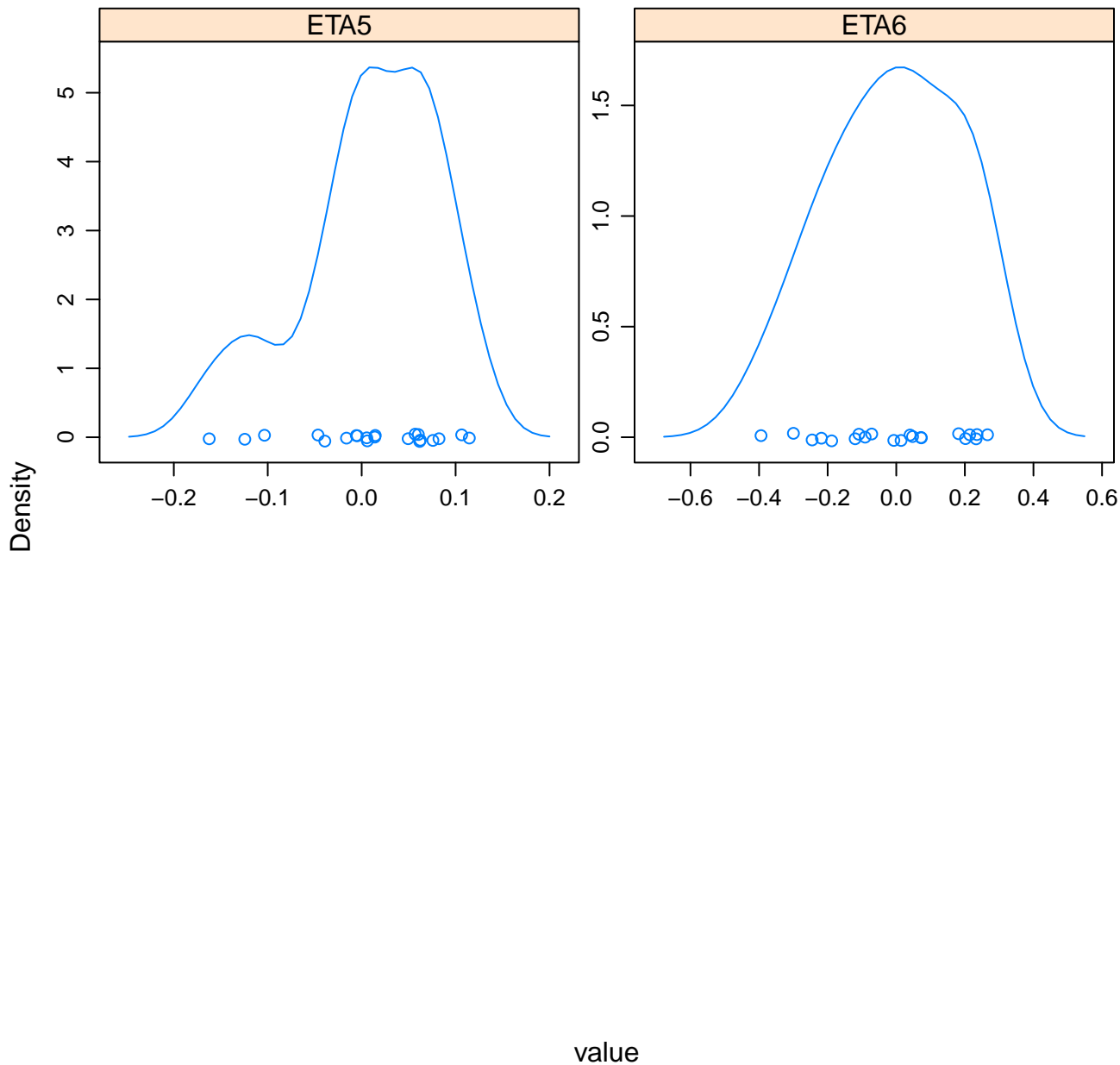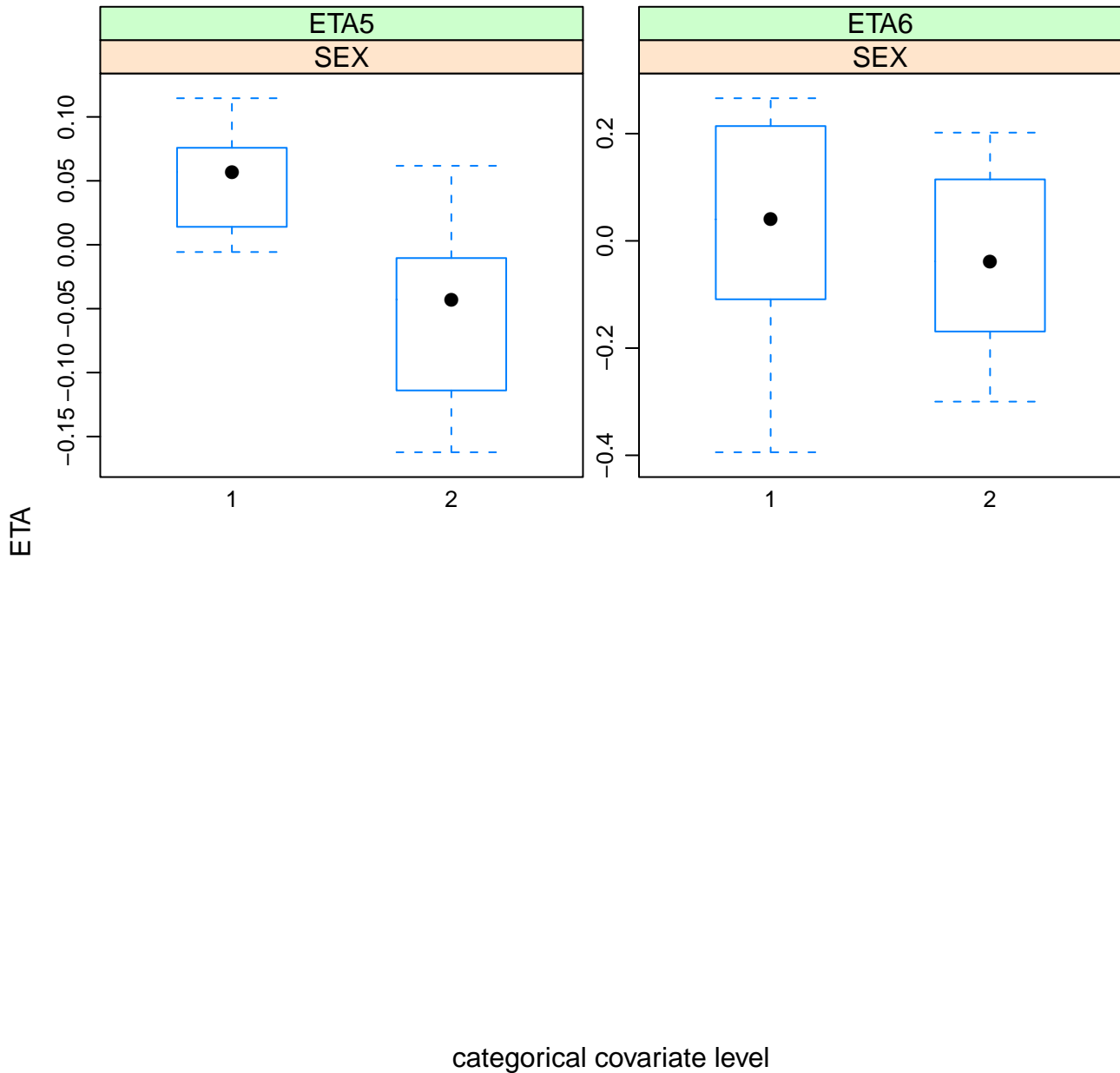# Parameter Scatterplots

Histograms of Etas
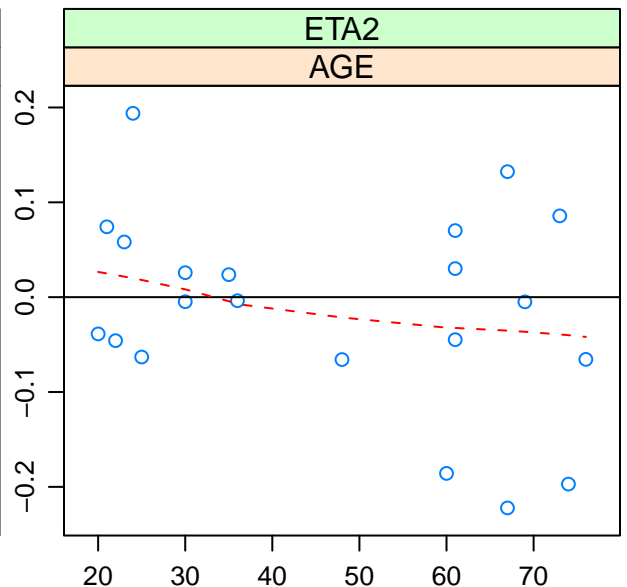
Histograms of Etas

Density of Etas

Density of Etas

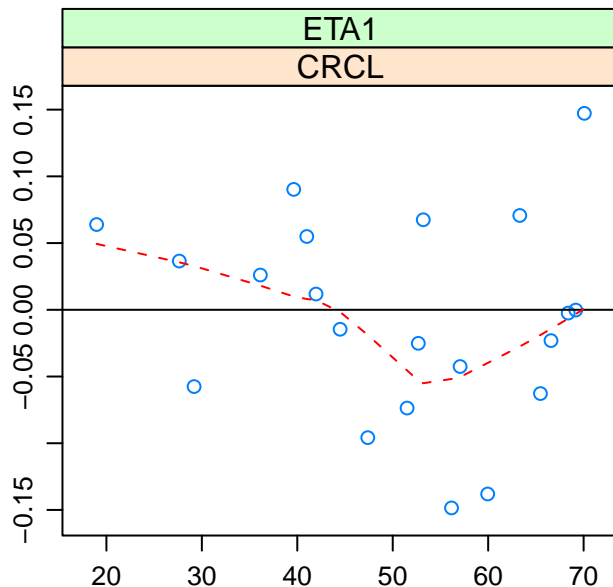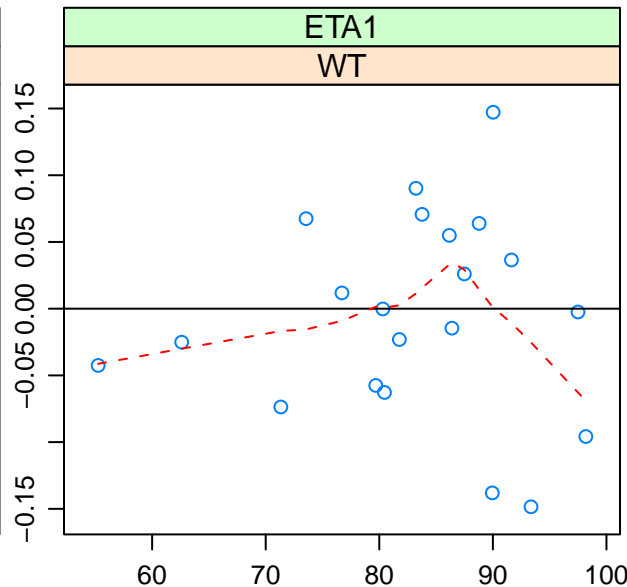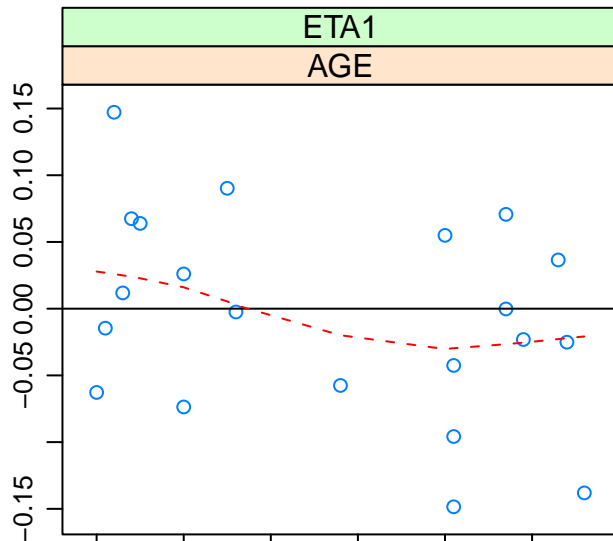**Boxplots of Etas by Categorical Covariate**
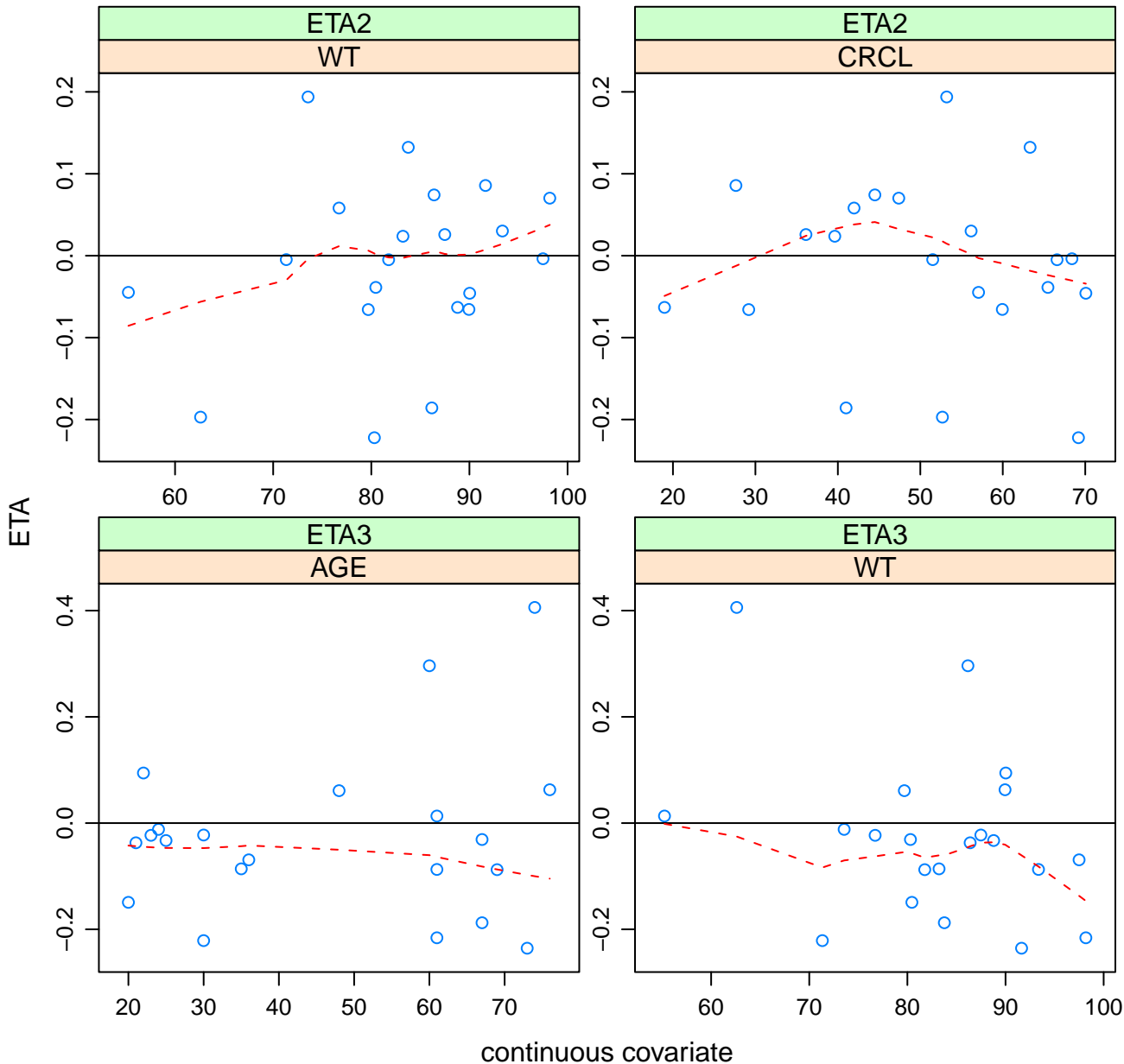
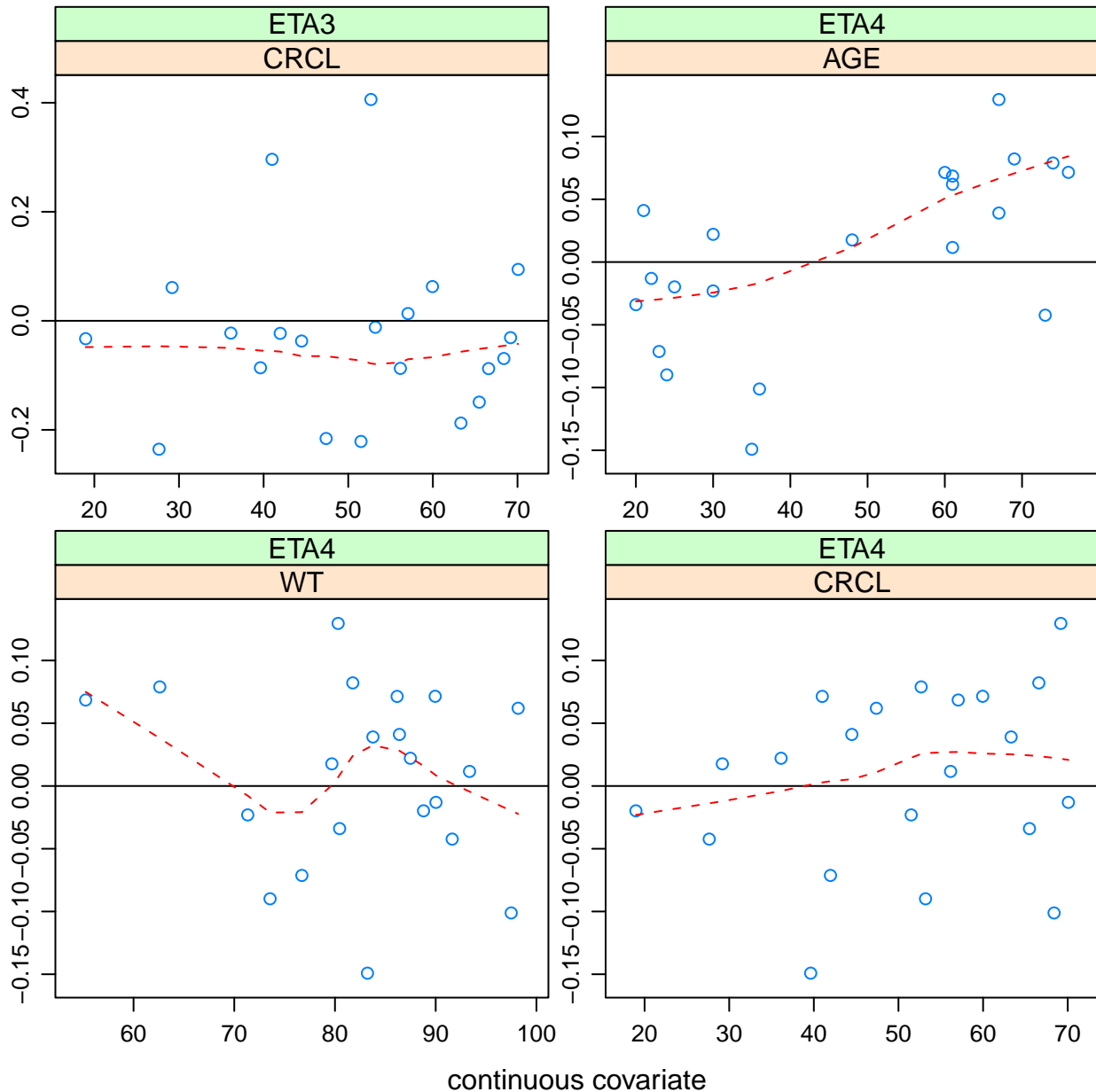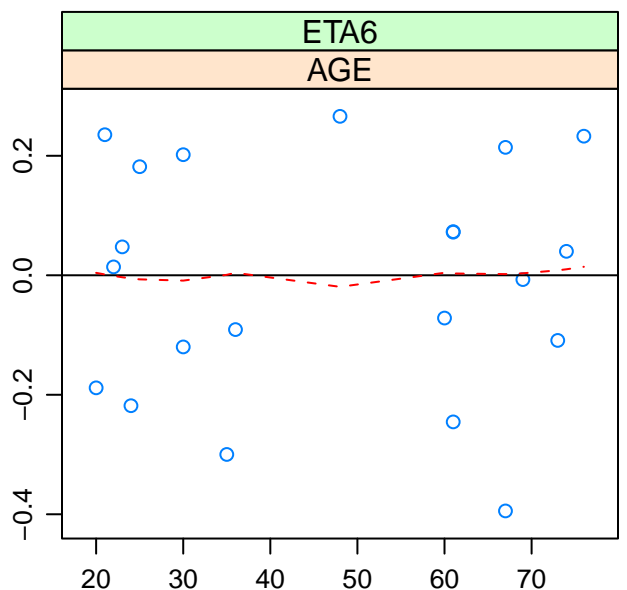**Boxplots of Etas by Categorical Covariate**
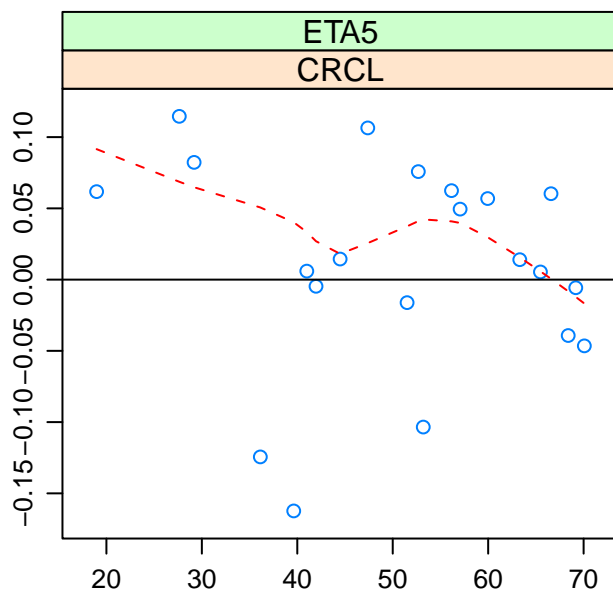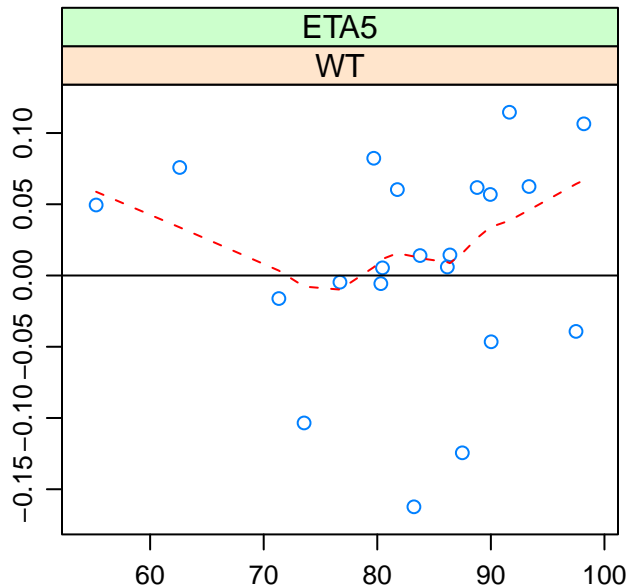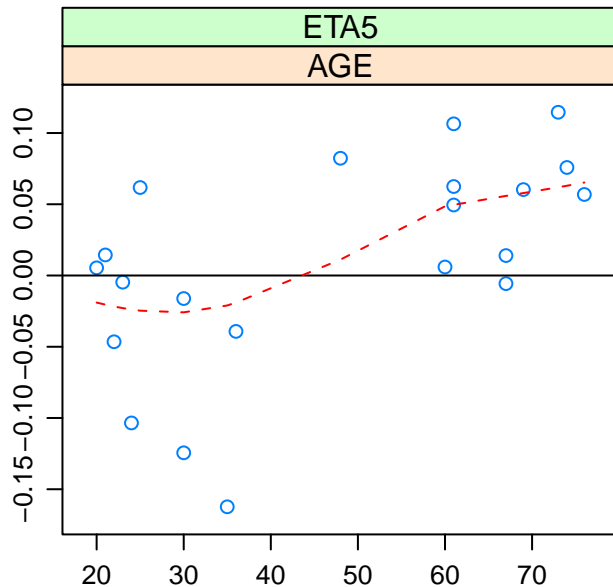
Etas vs. Continuous Covariates

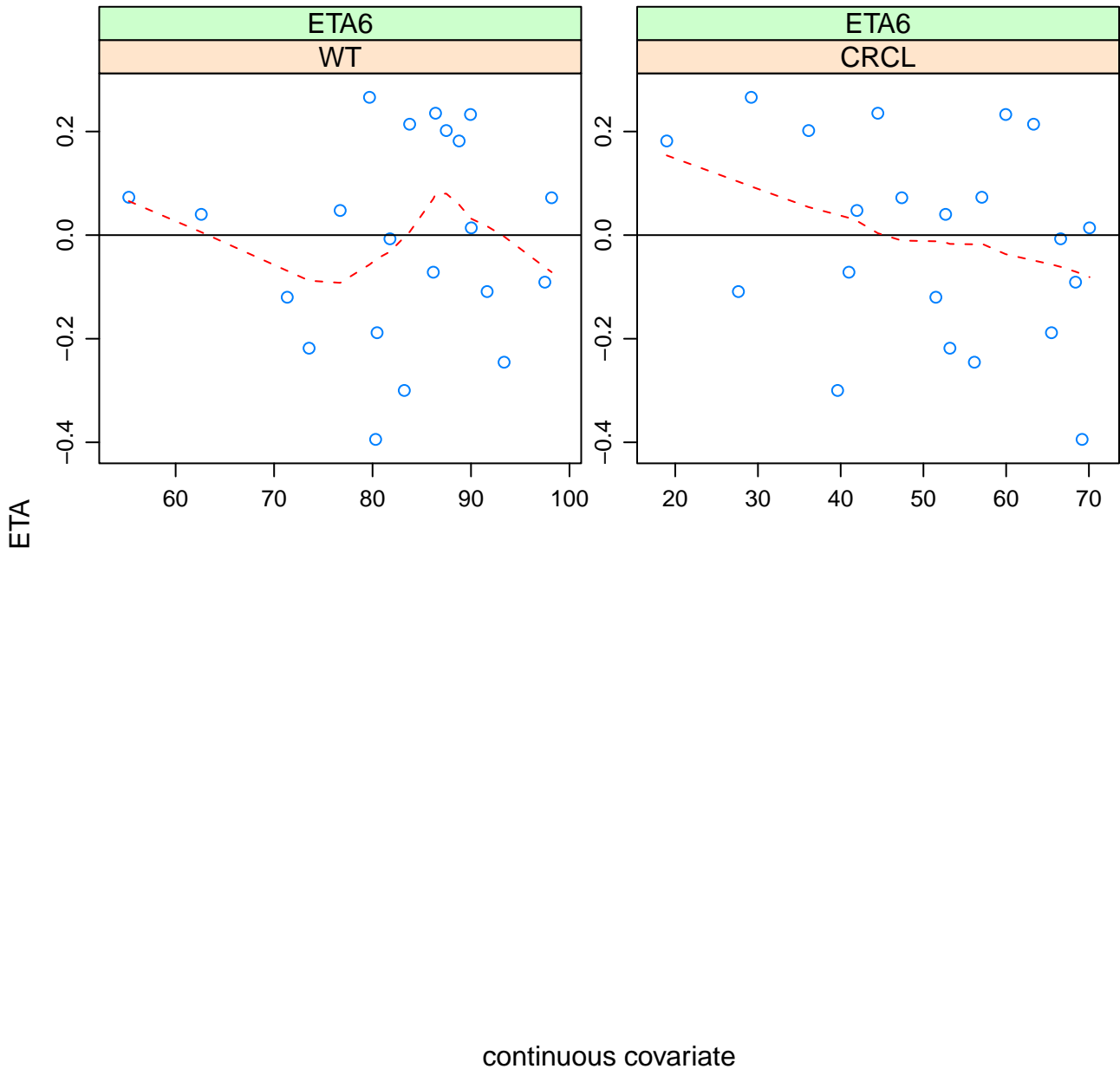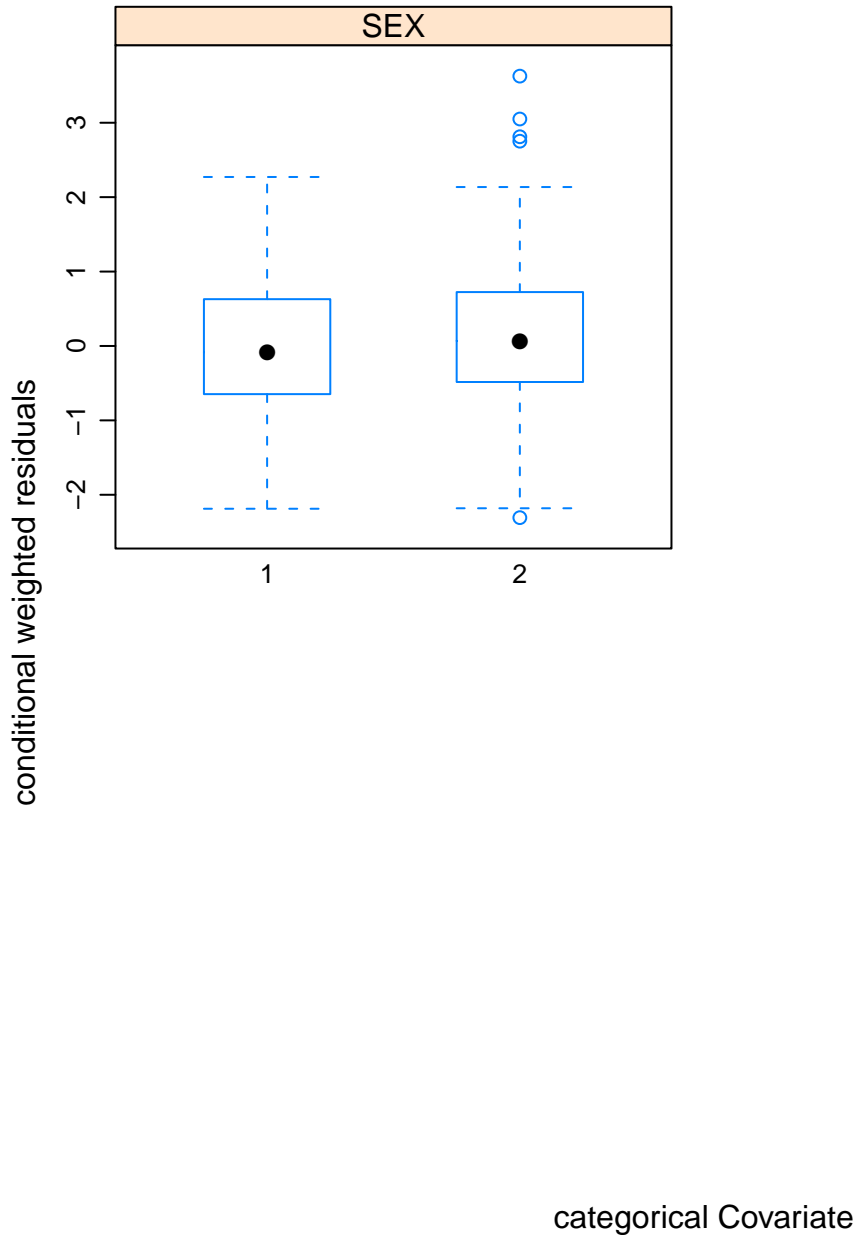# Etas vs. Continuous Covariates

Etas vs. Continuous Covariates

Etas vs. Continuous Covariates

Etas vs. Continuous Covariates

CWRES vs. Categorical Covariates

SEX

conditional weighted residuals

categorical Covariate

CWRES vs. Continuous Covariates