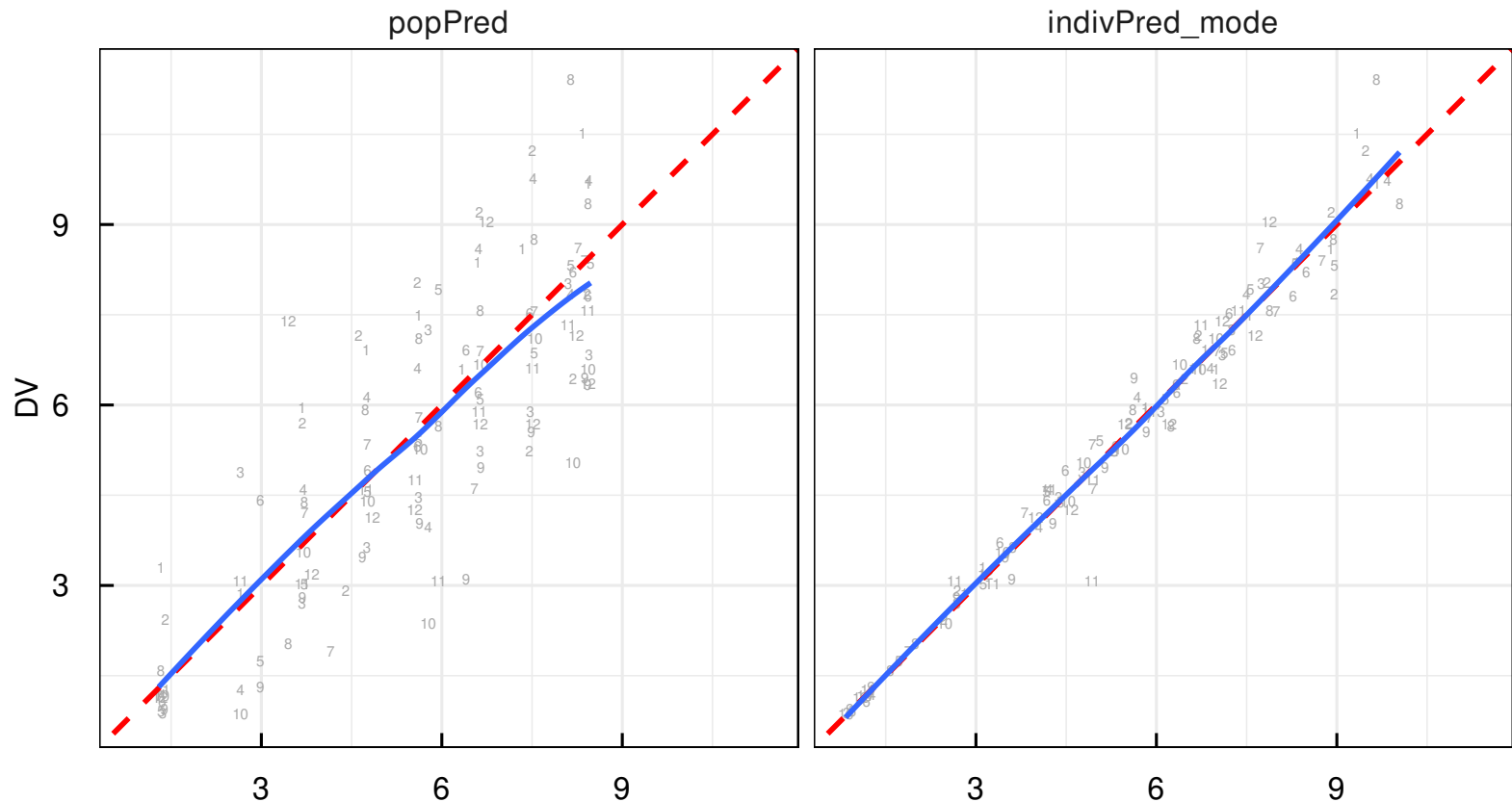


# Output № 1: Theophylline Concentration [ug/ml]

## Observation vs. Population and Individual Predictions

Linear Axes

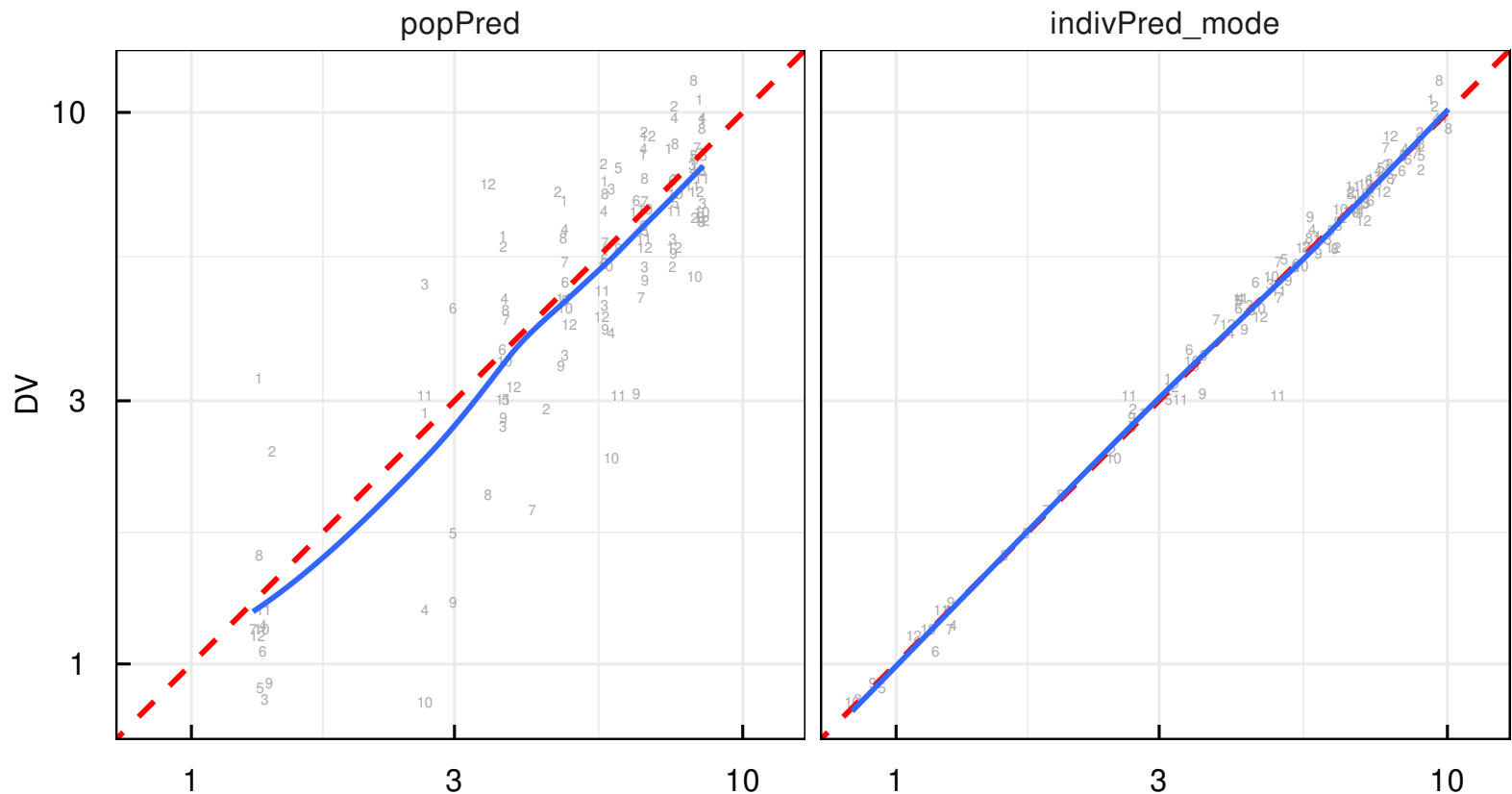


DV: dependent variable; popPred: population prediction; indivPred\_mode: individual prediction

# Output № 1: Theophylline Concentration [ug/ml]

## Observation vs. Population and Individual Predictions

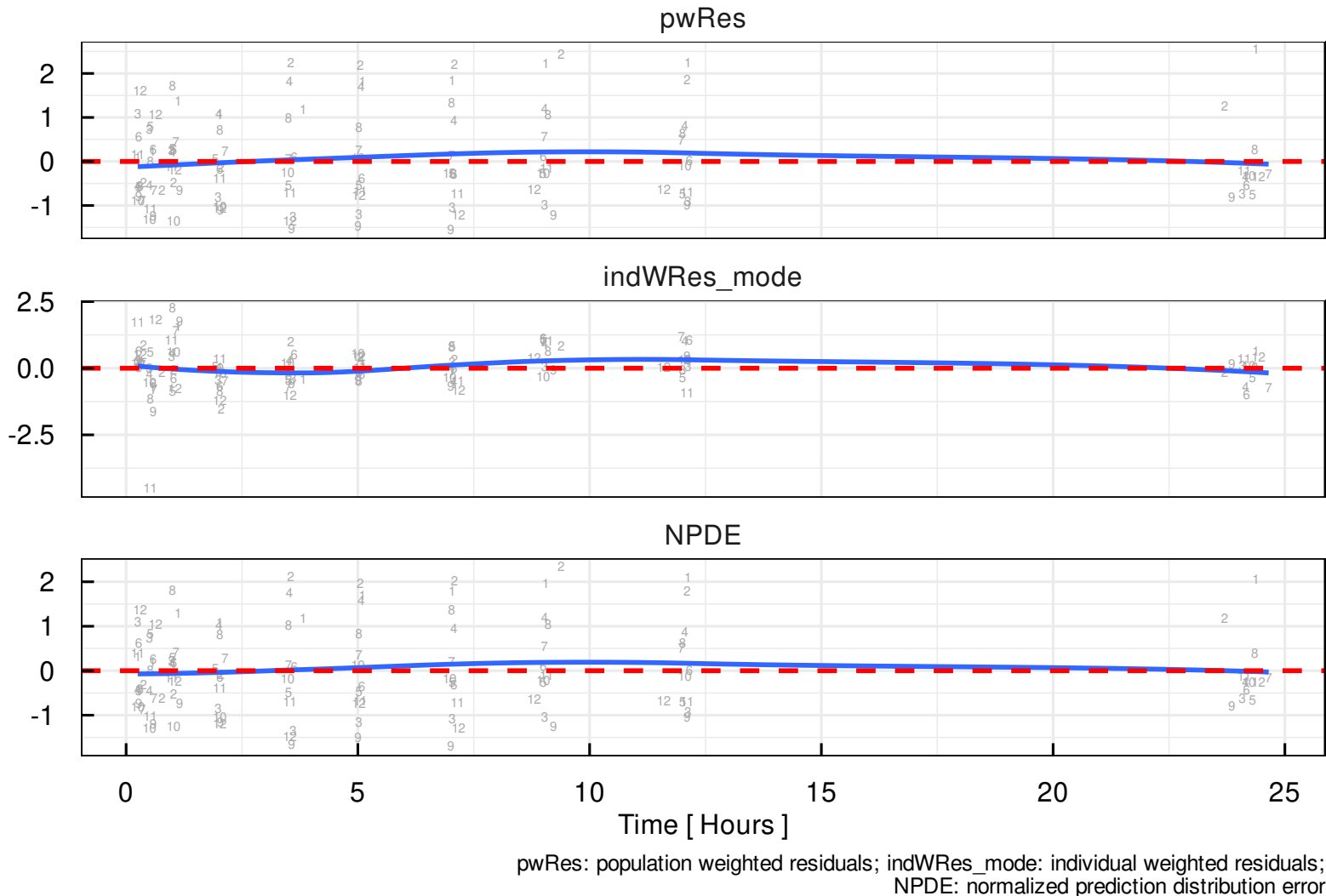
Log Axes (zero values plotted on axis)



DV: dependent variable; popPred: population prediction; indivPred\_mode: individual prediction

# Output № 1: Theophylline Concentration [ug/ml]

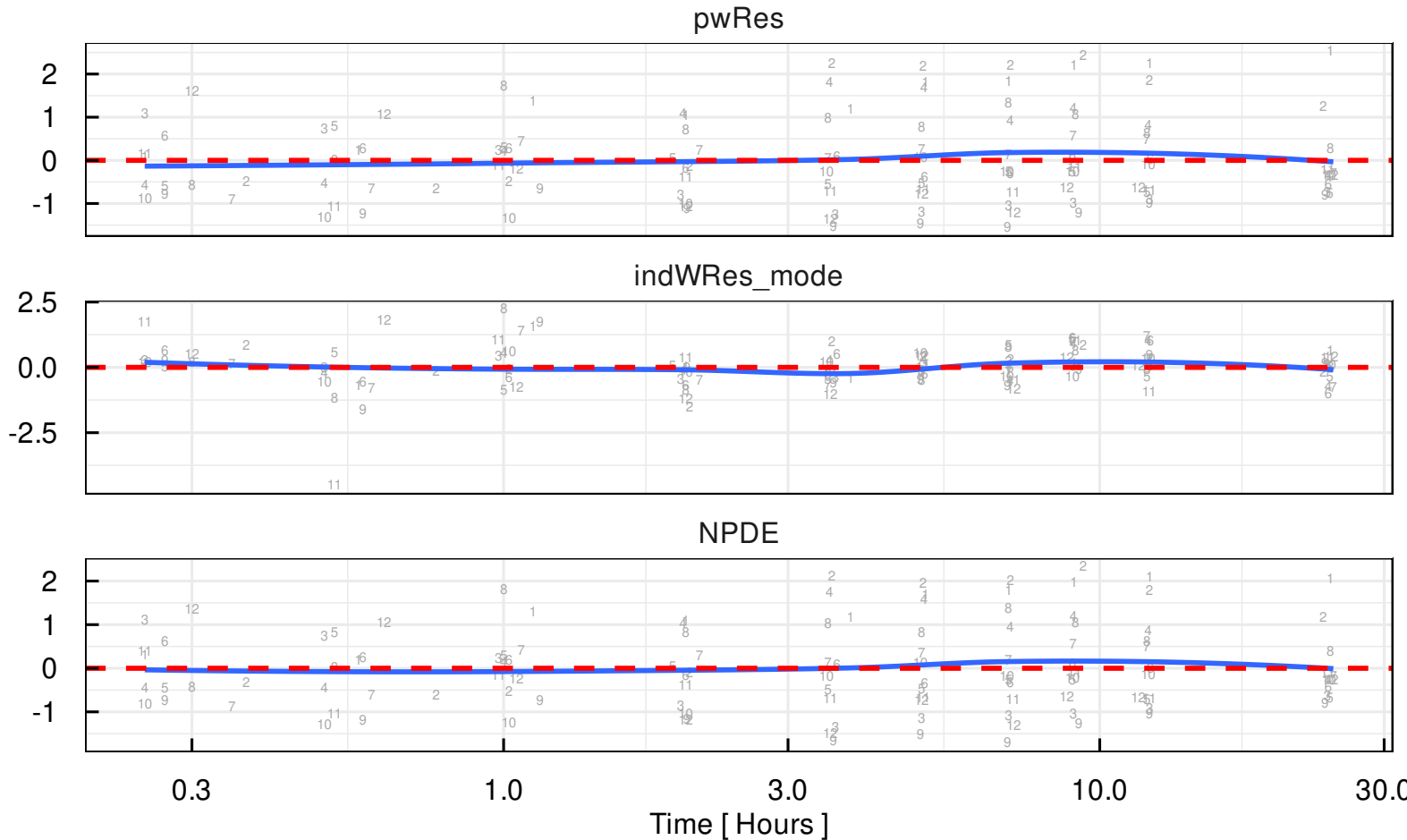
## Weighted Individual and Population Residuals and NPDE vs. Time



# Output № 1: Theophylline Concentration [ug/ml]

## Weighted Individual and Population Residuals and NPDE vs. Time

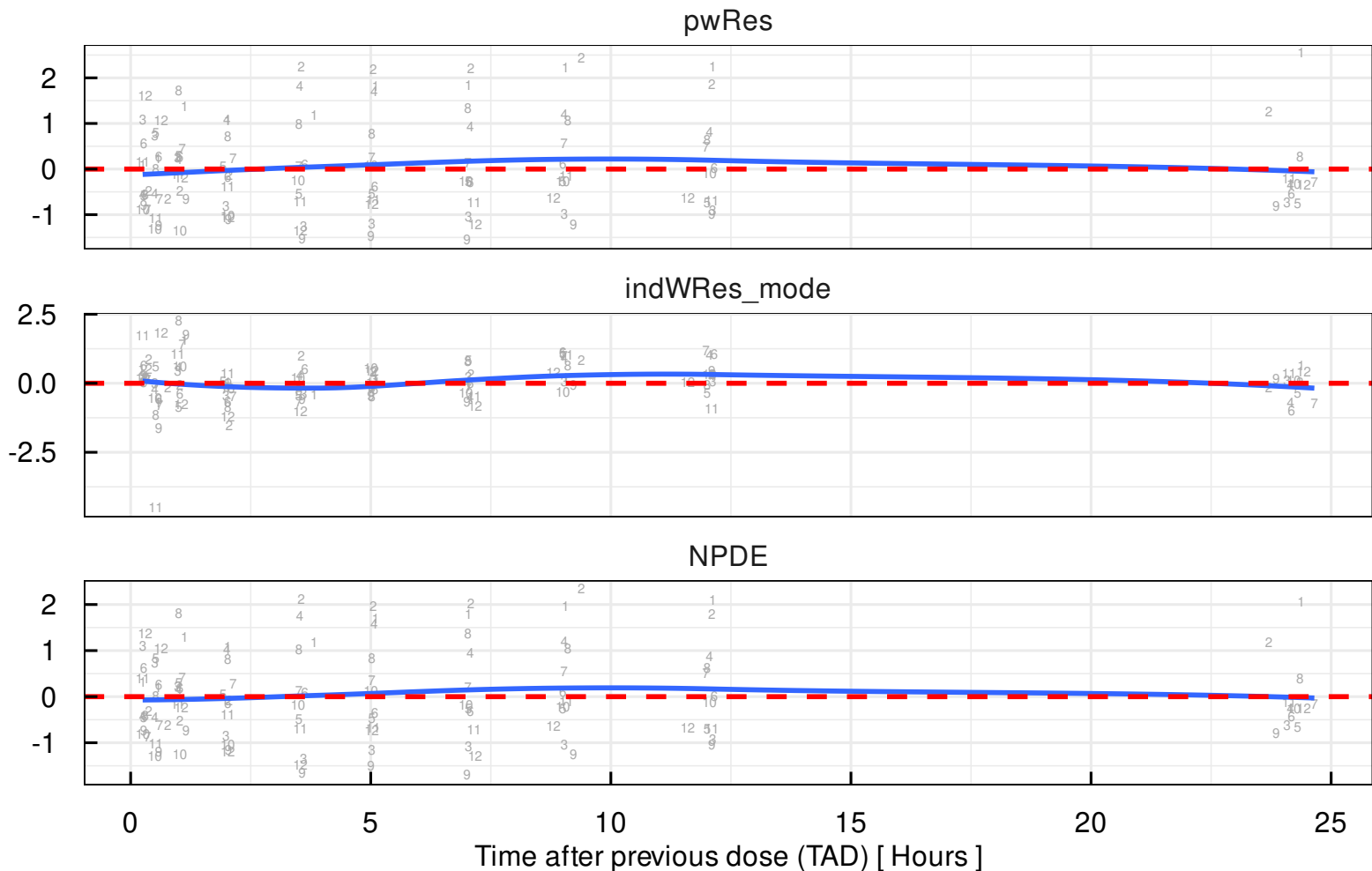
Log TIME axis (values for time = 0 plotted on axis)



pwRes: population weighted residuals; indWRes\_mode: individual weighted residuals;  
NPDE: normalized prediction distribution error

# Output № 1: Theophylline Concentration [ug/ml]

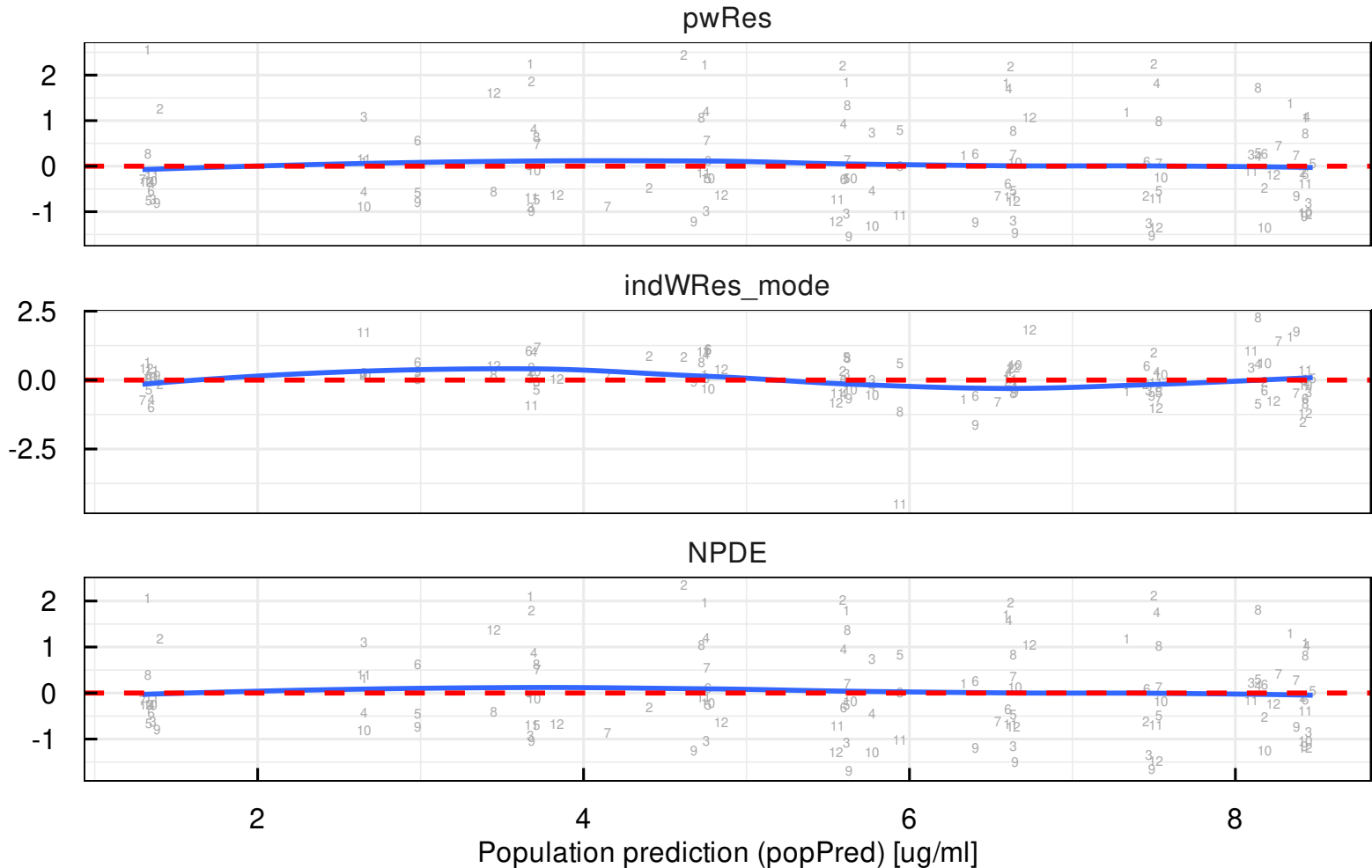
## Weighted Individual and Population Residuals and NPDE vs. TAD



pwRes: population weighted residuals; indWRes\_mode: individual weighted residuals;  
NPDE: normalized prediction distribution error

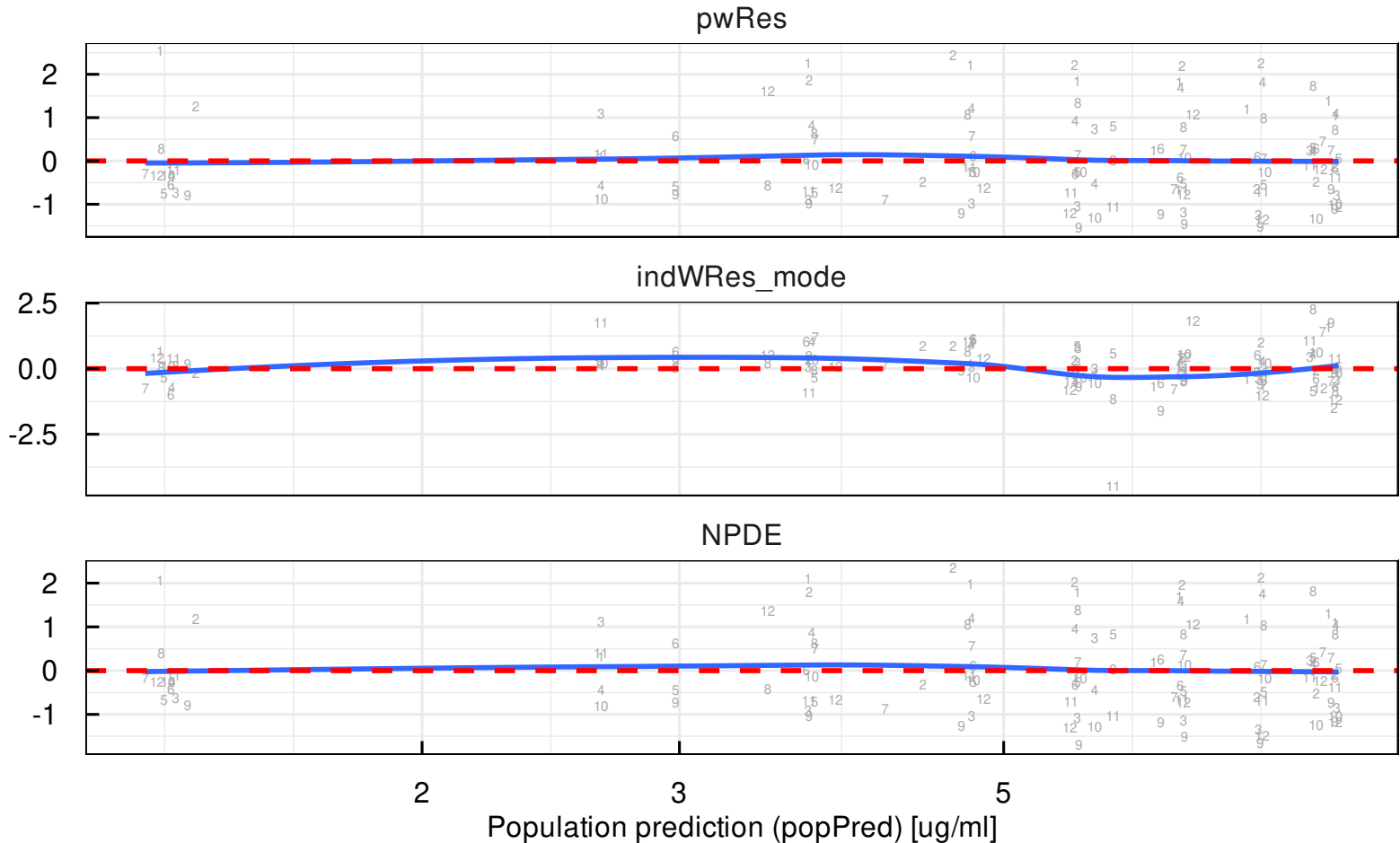
# Output № 1: Theophylline Concentration [ug/ml]

## Weighted Individual and Population Residuals and NPDE vs. Population Prediction



pwRes: population weighted residuals; indWRes\_mode: individual weighted residuals;  
NPDE: normalized prediction distribution error

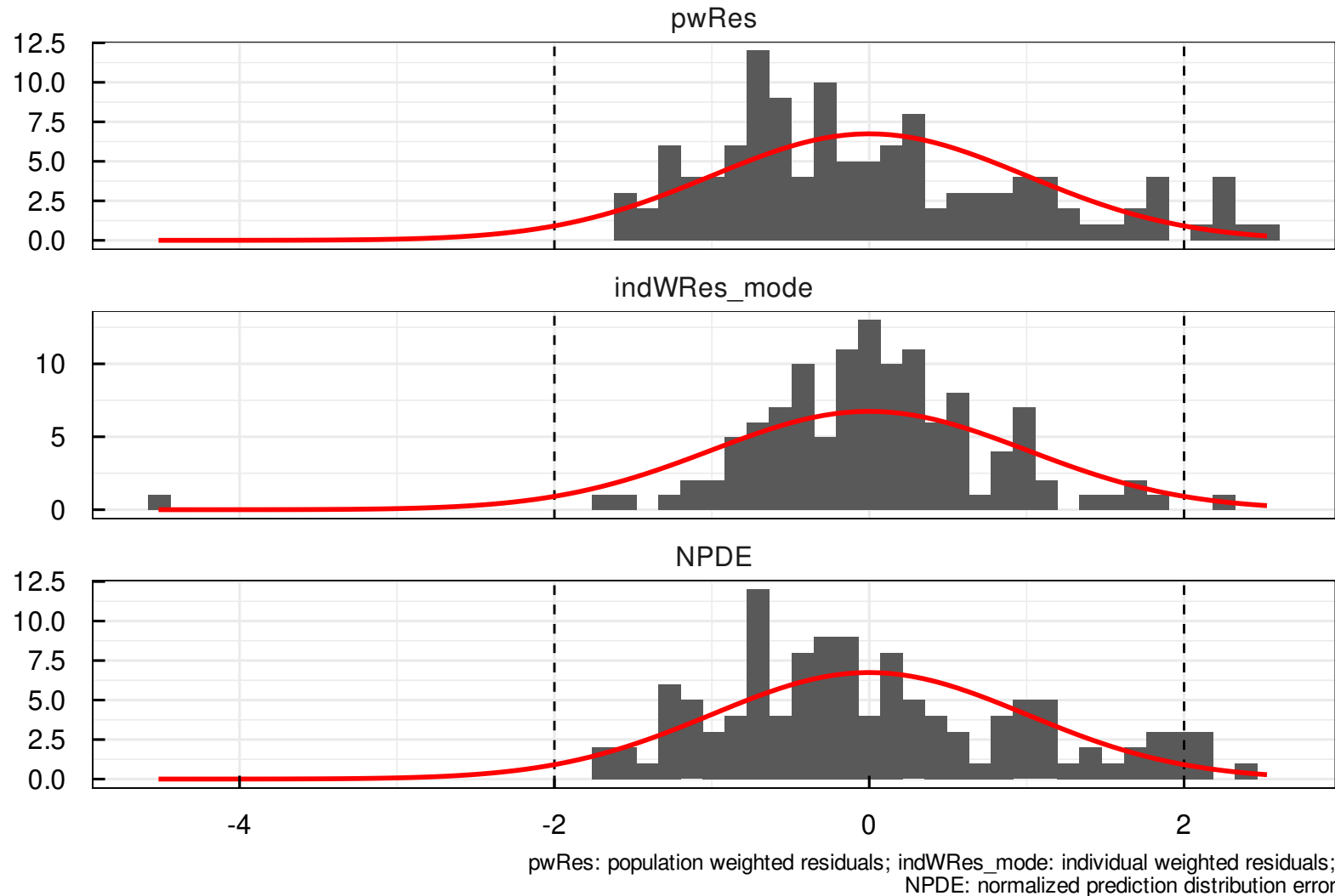
Output № 1: Theophylline Concentration [ug/ml]  
Weighted Individual and Population Residuals and NPDE vs. Population Prediction  
Log Prediction axis (values for prediction = 0 plotted on axis)



pwRes: population weighted residuals; indWRes\_mode: individual weighted residuals;  
NPDE: normalized prediction distribution error

# Output № 1: Theophylline Concentration [ug/ml]

## Histograms of Residuals compared to Standard Normal

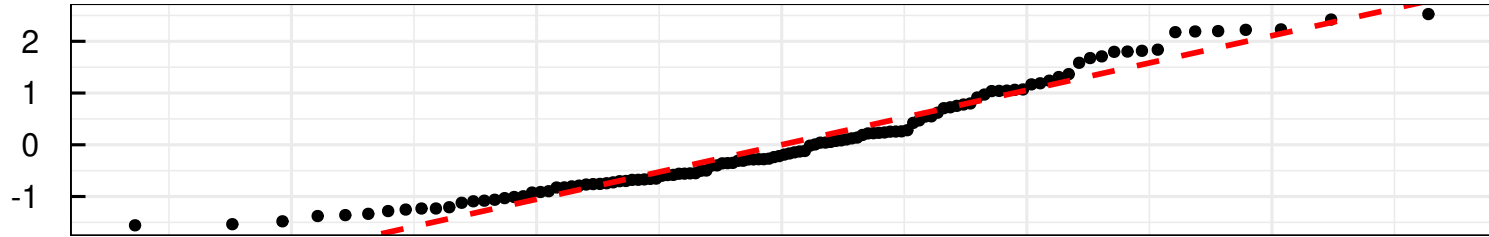




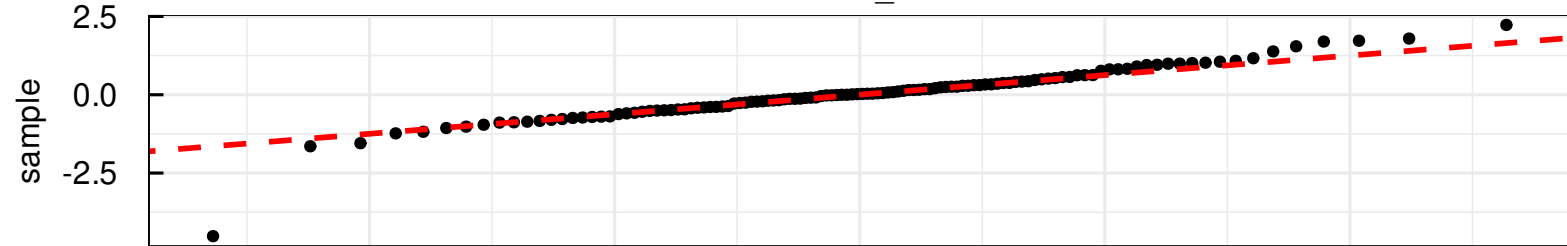
# Output № 1: Theophylline Concentration [ug/ml]

## QQ-Plots of Residuals

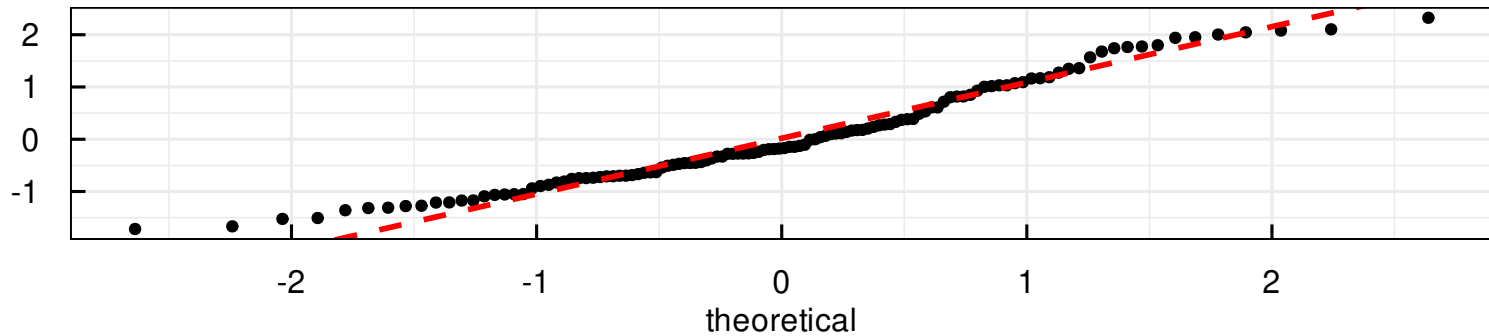
pwRes



indWRes\_mode



NPDE



pwRes: population weighted residuals; indWRes\_mode: individual weighted residuals;  
NPDE: normalized prediction distribution error