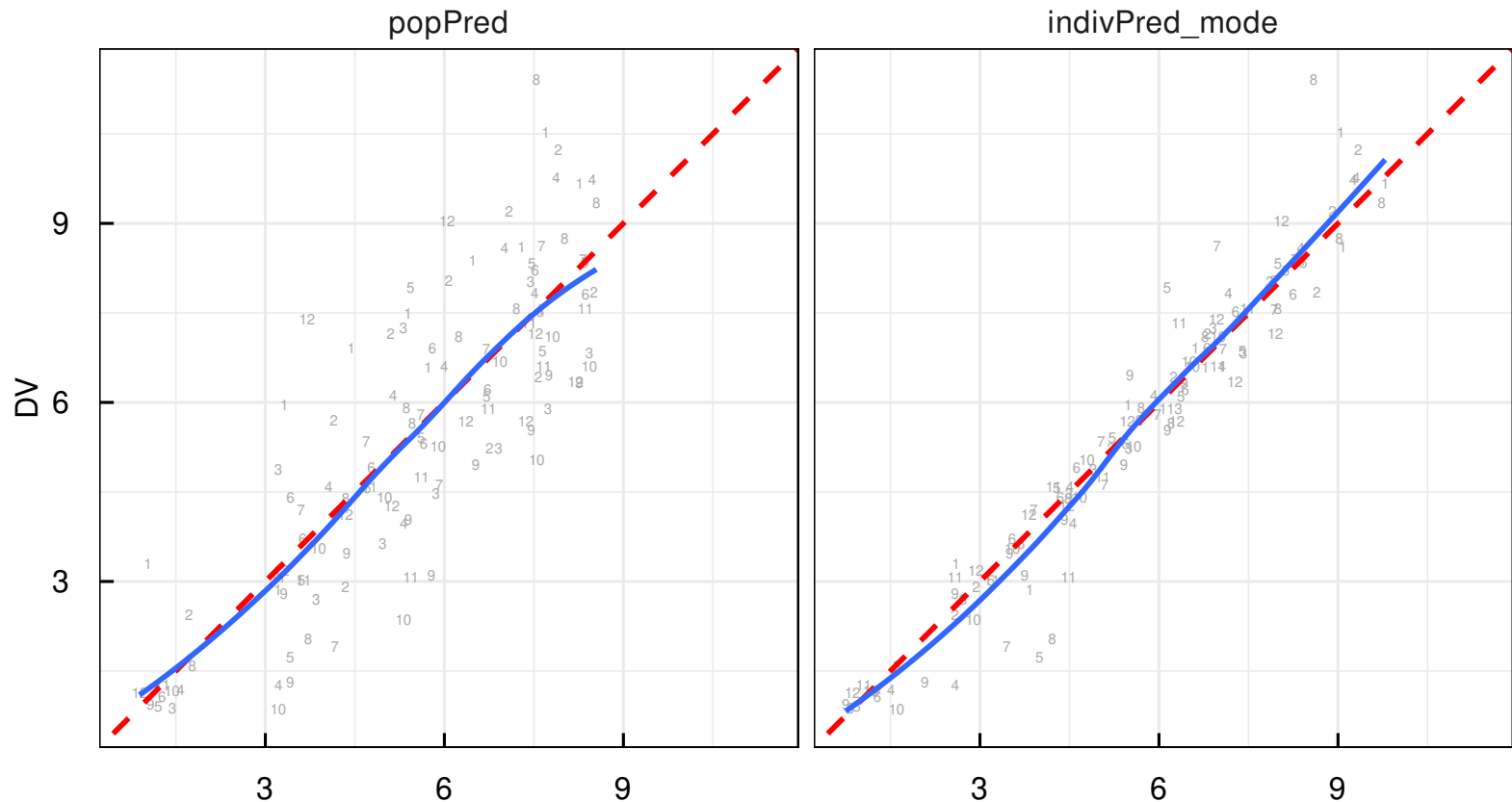


# Output № 1: Theophylline Concentration [ug/ml] Observation vs. Population and Individual Predictions

Linear Axes

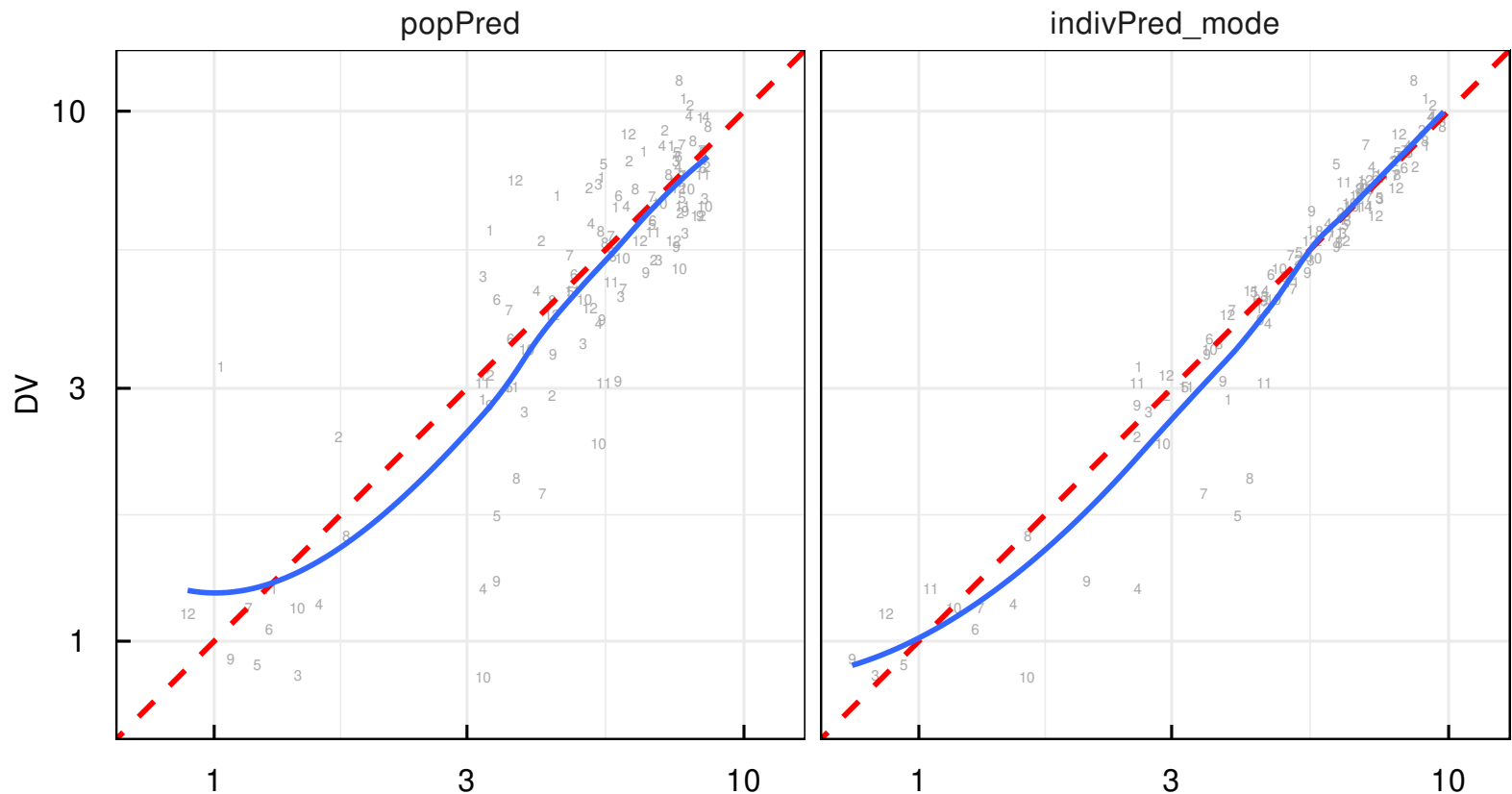


DV: dependent variable; popPred: population prediction; indivPred\_mode: individual prediction

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

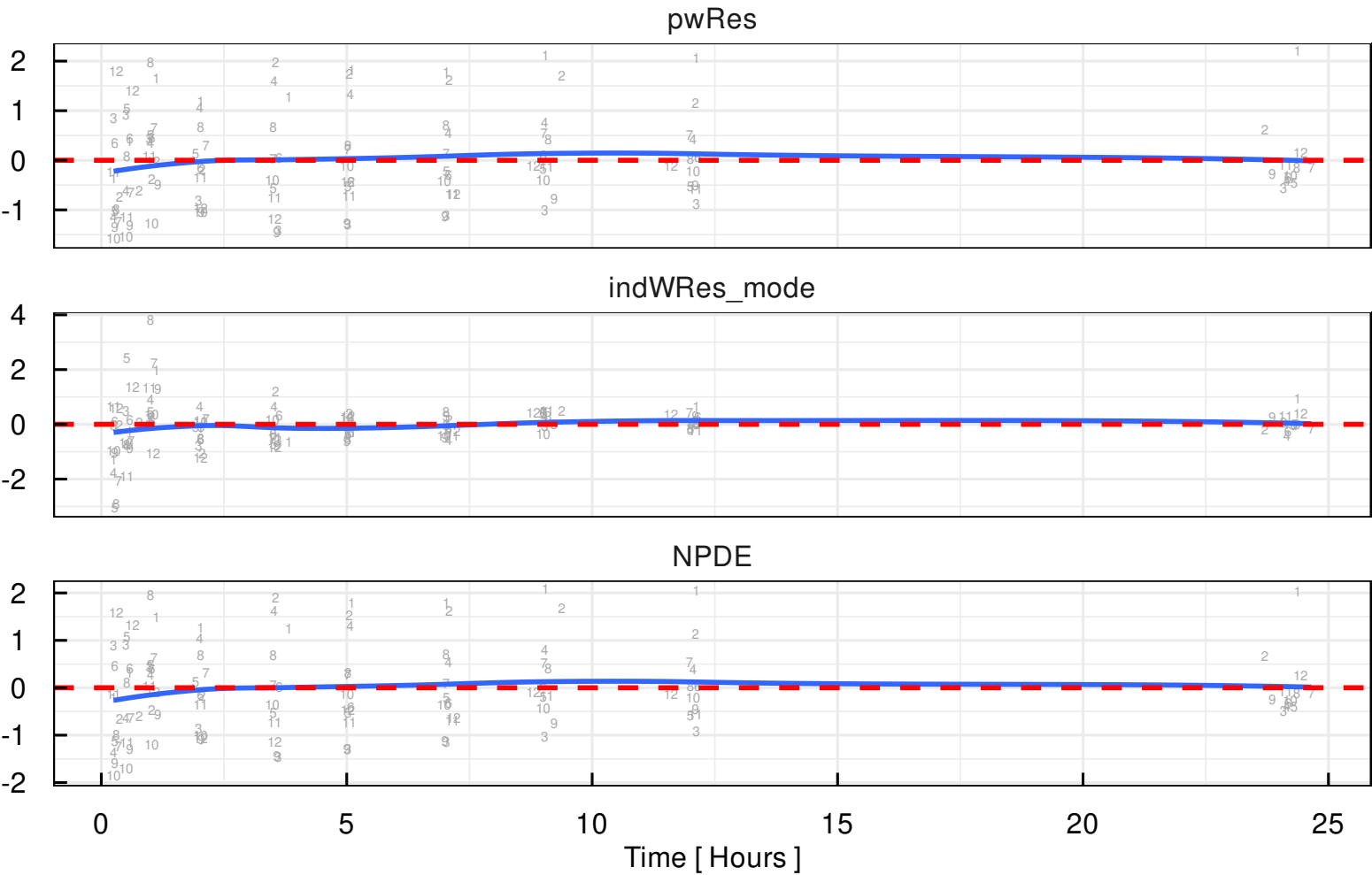
## Observation vs. Population and Individual Predictions

Log Axes (zero values plotted on axis)



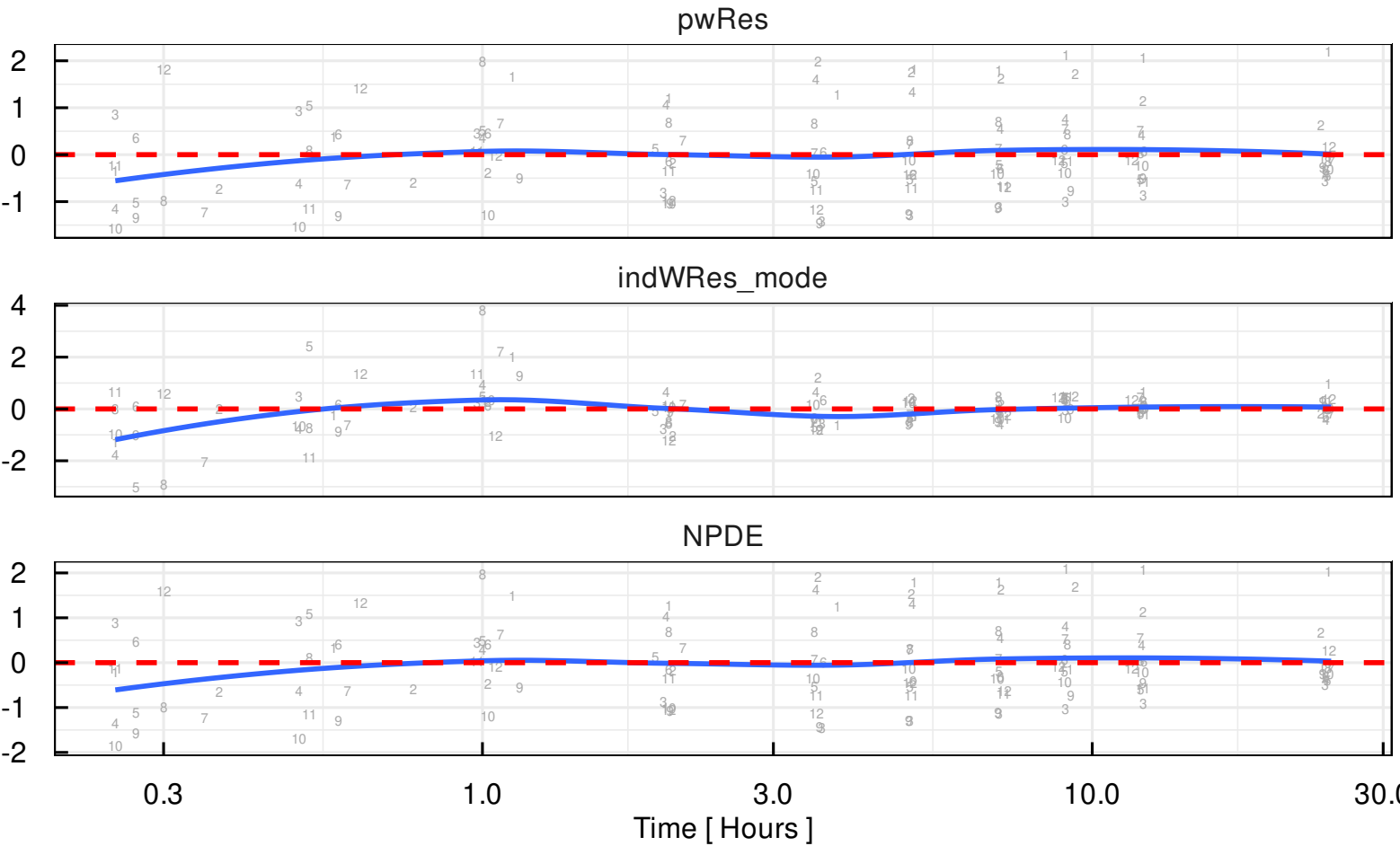
DV: dependent variable; popPred: population prediction; indivPred\_mode: individual prediction

Output № 1: Theophylline Concentration [ug/ml]  
Weighted Individual and Population Residuals and NPDE vs. Time



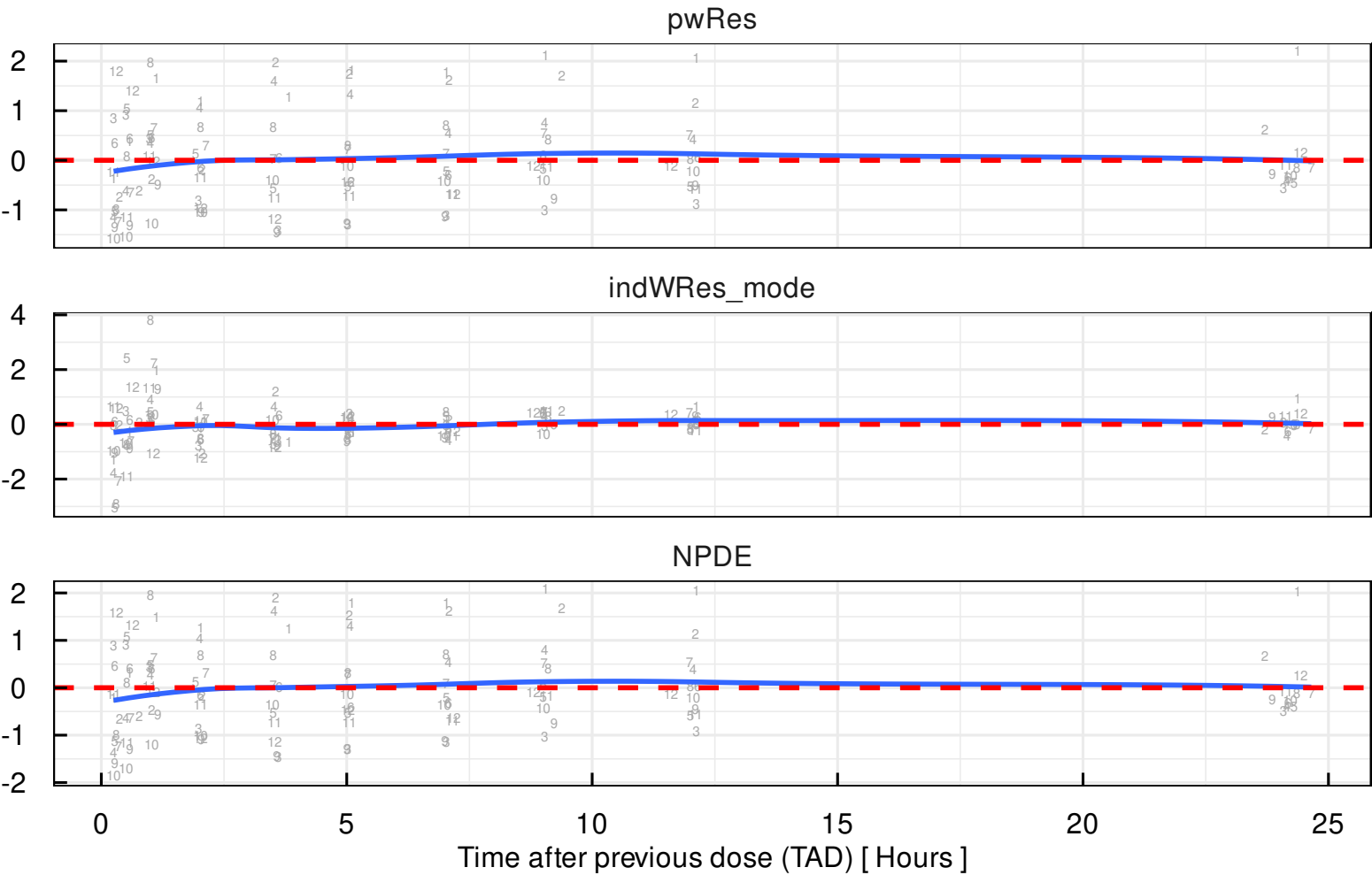
pwRes: population weighted residuals; indWRes\_mode: individual weighted residuals;  
NPDE: normalized prediction distribution error

Output № 1: Theophylline Concentration [ug/ml]  
Weighted Individual and Population Residuals and NPDE vs. 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

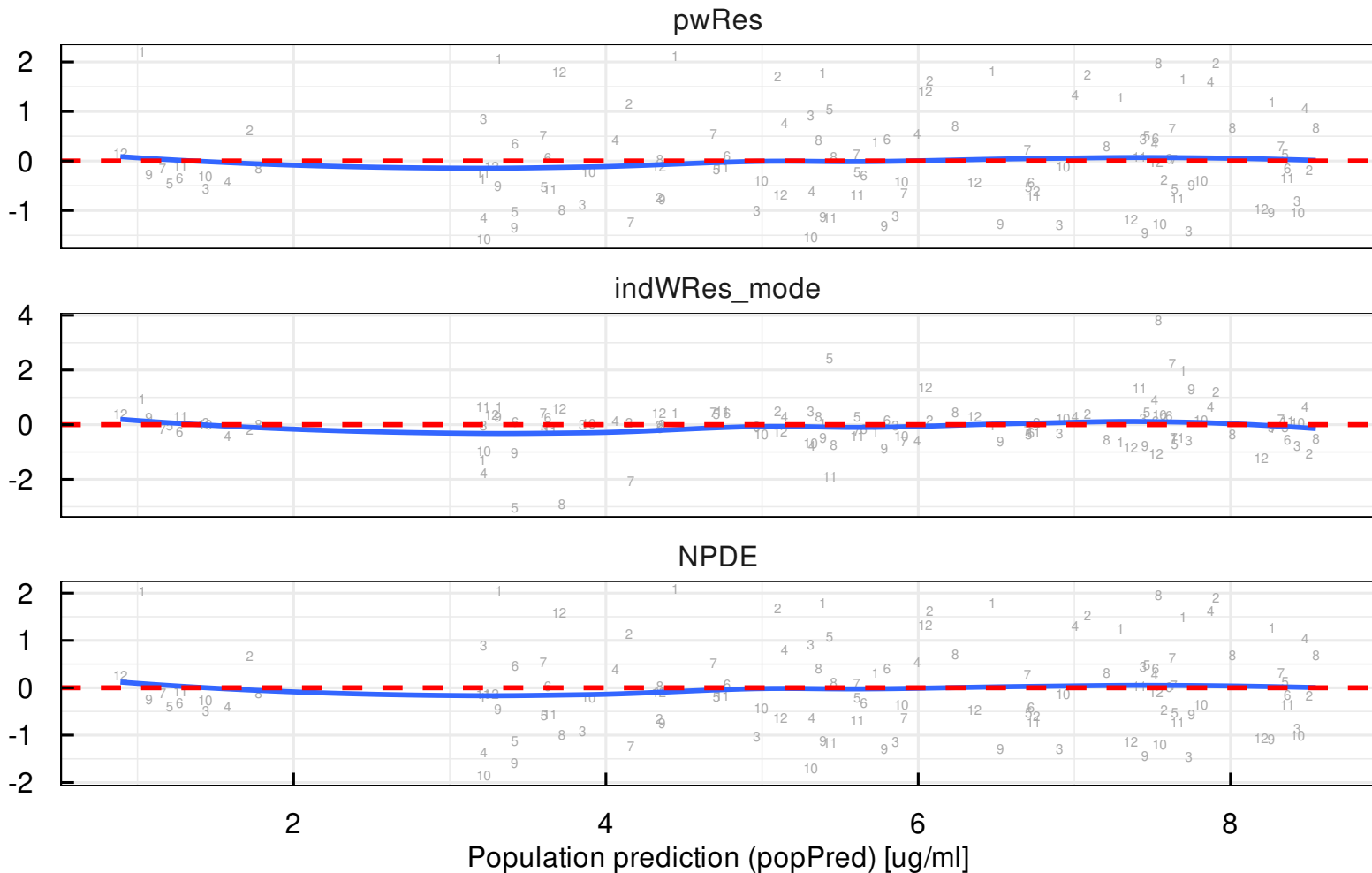
Output № 1: Theophylline Concentration [ug/ml]  
Weighted Individual and Population Residuals and NPDE vs. TAD



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

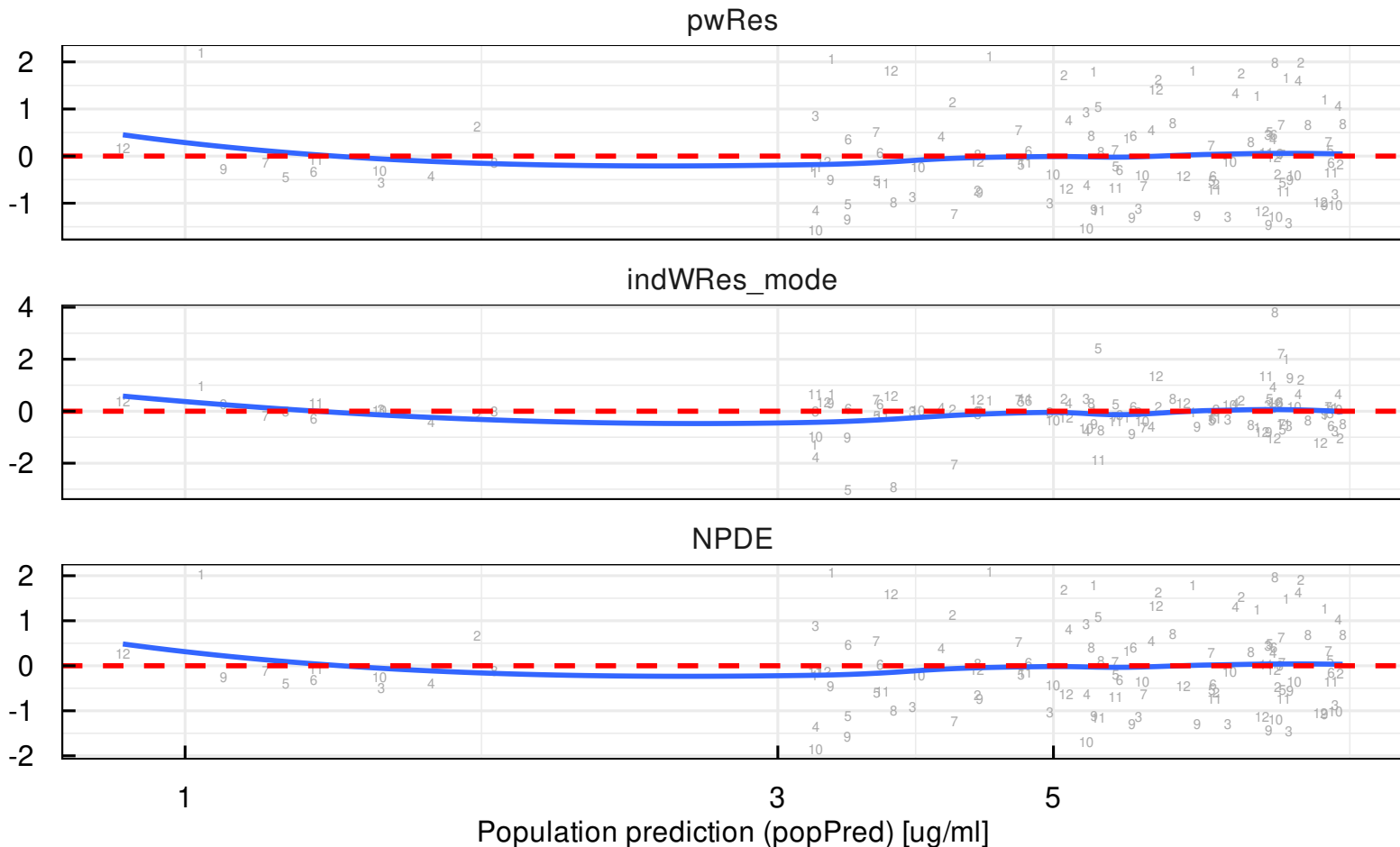


pwRes: population weighted residuals; indWRes\_mode: individual weighted residuals;  
NPDE: normalized prediction distribution error

# 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)

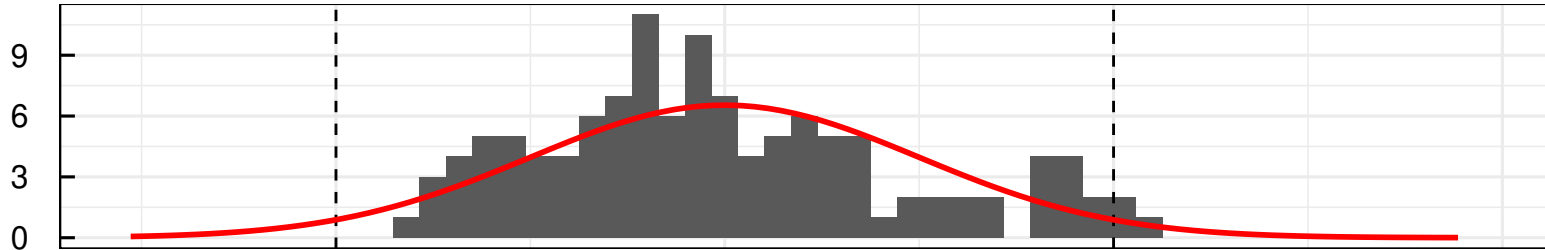


pwRes: population weighted residuals; indWRes\_mode: individual weighted residuals;  
NPDE: normalized prediction distribution error

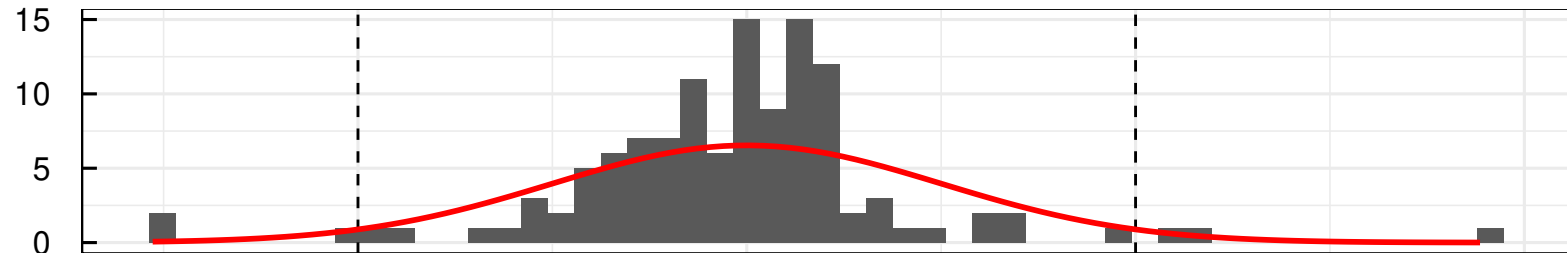
# Output № 1: Theophylline Concentration [ug/ml]

## Histograms of Residuals compared to Standard Normal

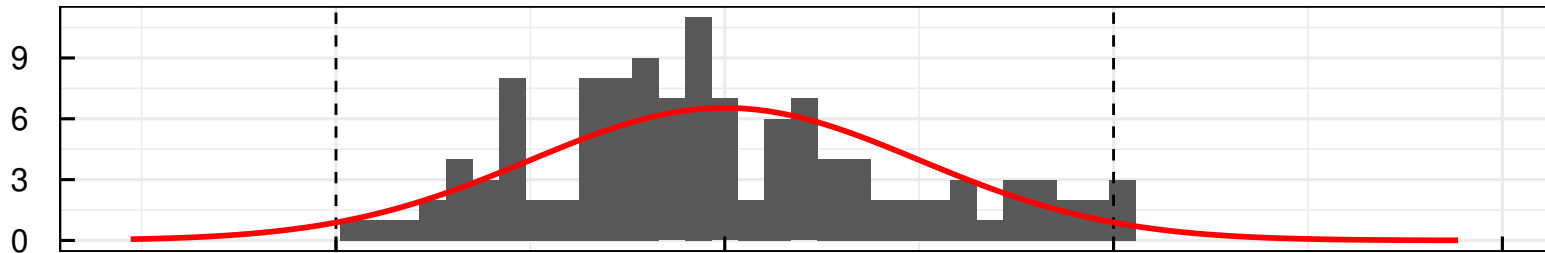
pwRes



indWRes\_mode



NPDE

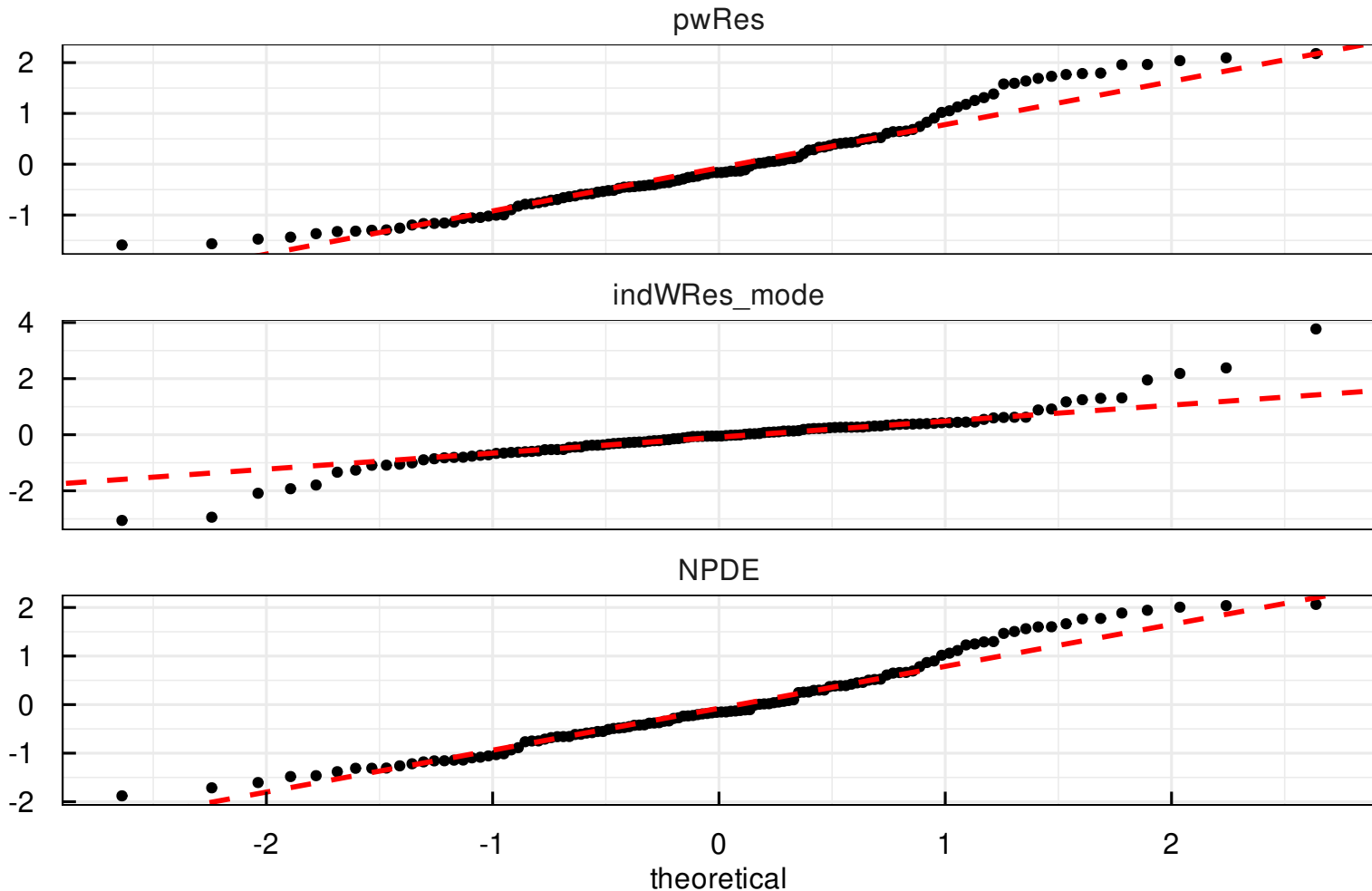


pwRes: population weighted residuals; indWRes\_mode: individual weighted residuals;  
NPDE: normalized prediction distribution error



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

## QQ-Plots of Residuals



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