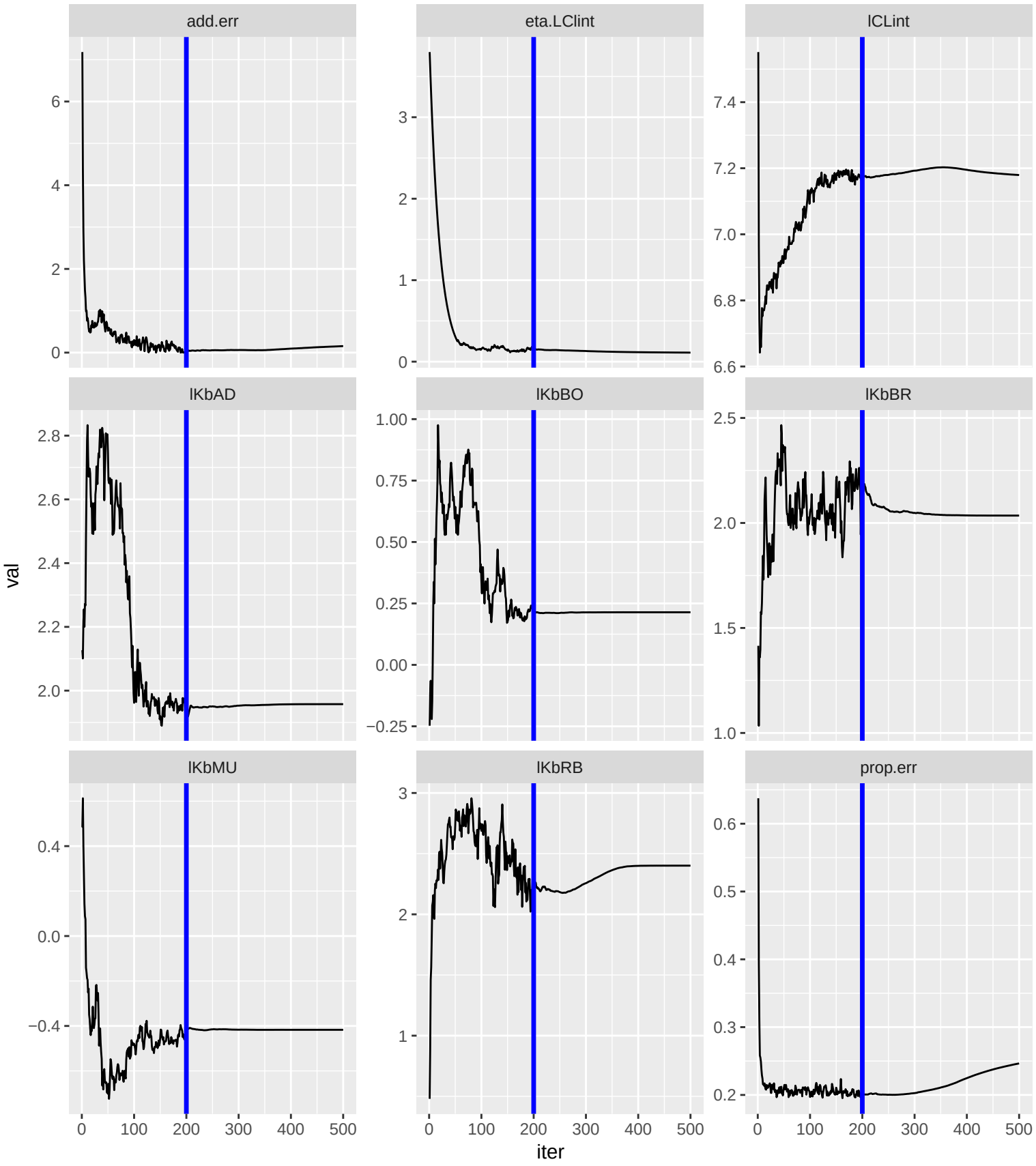
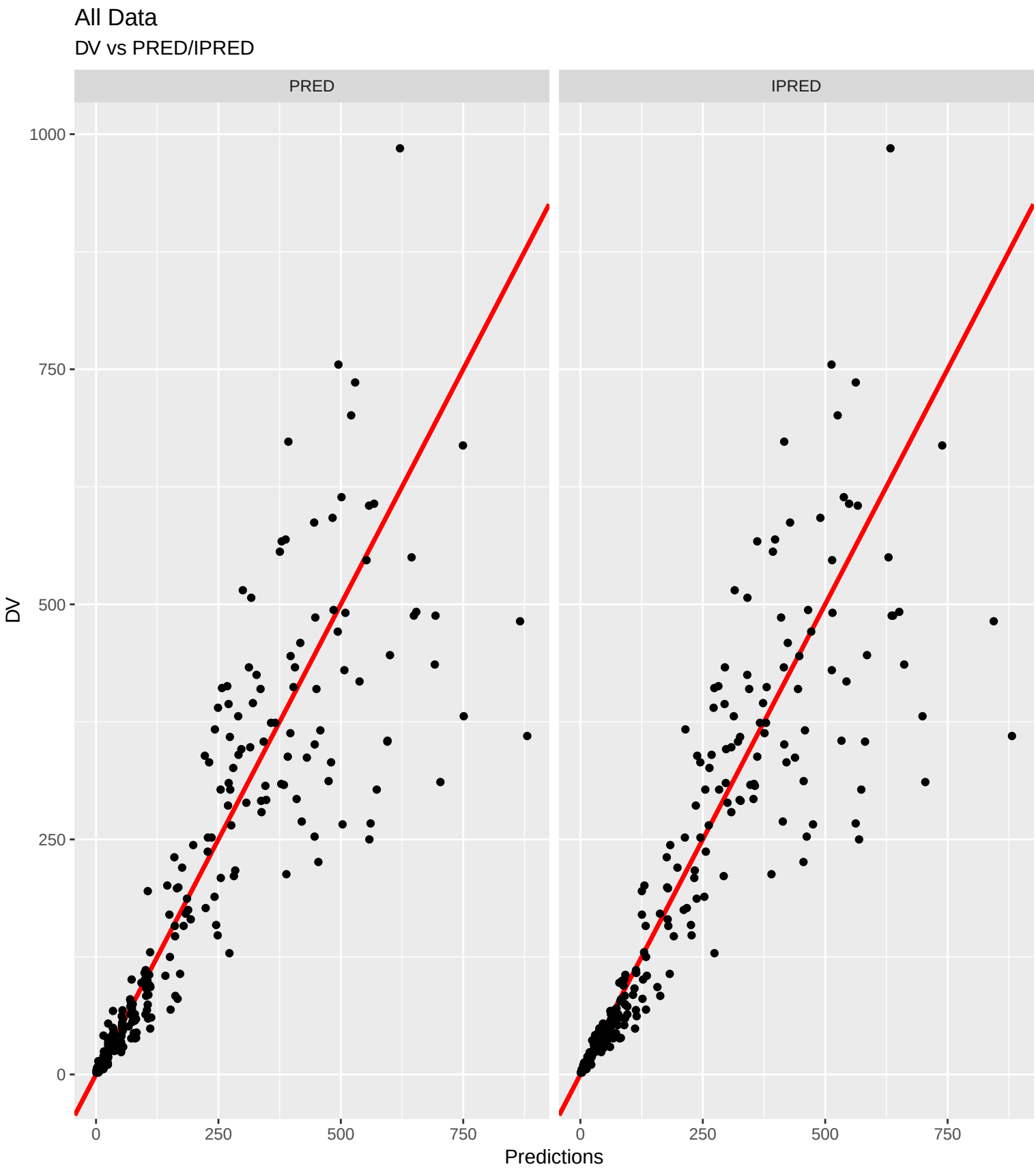
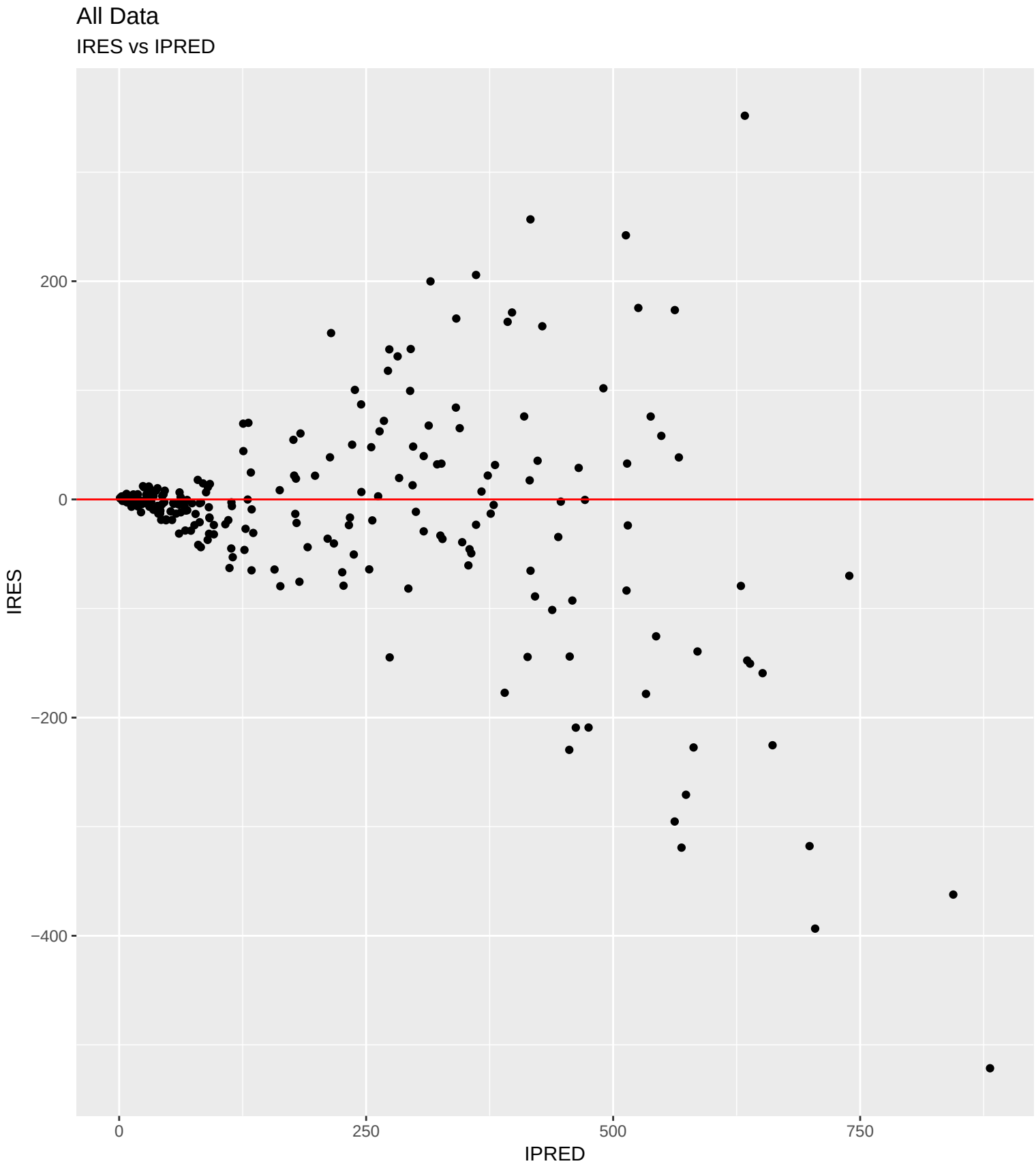
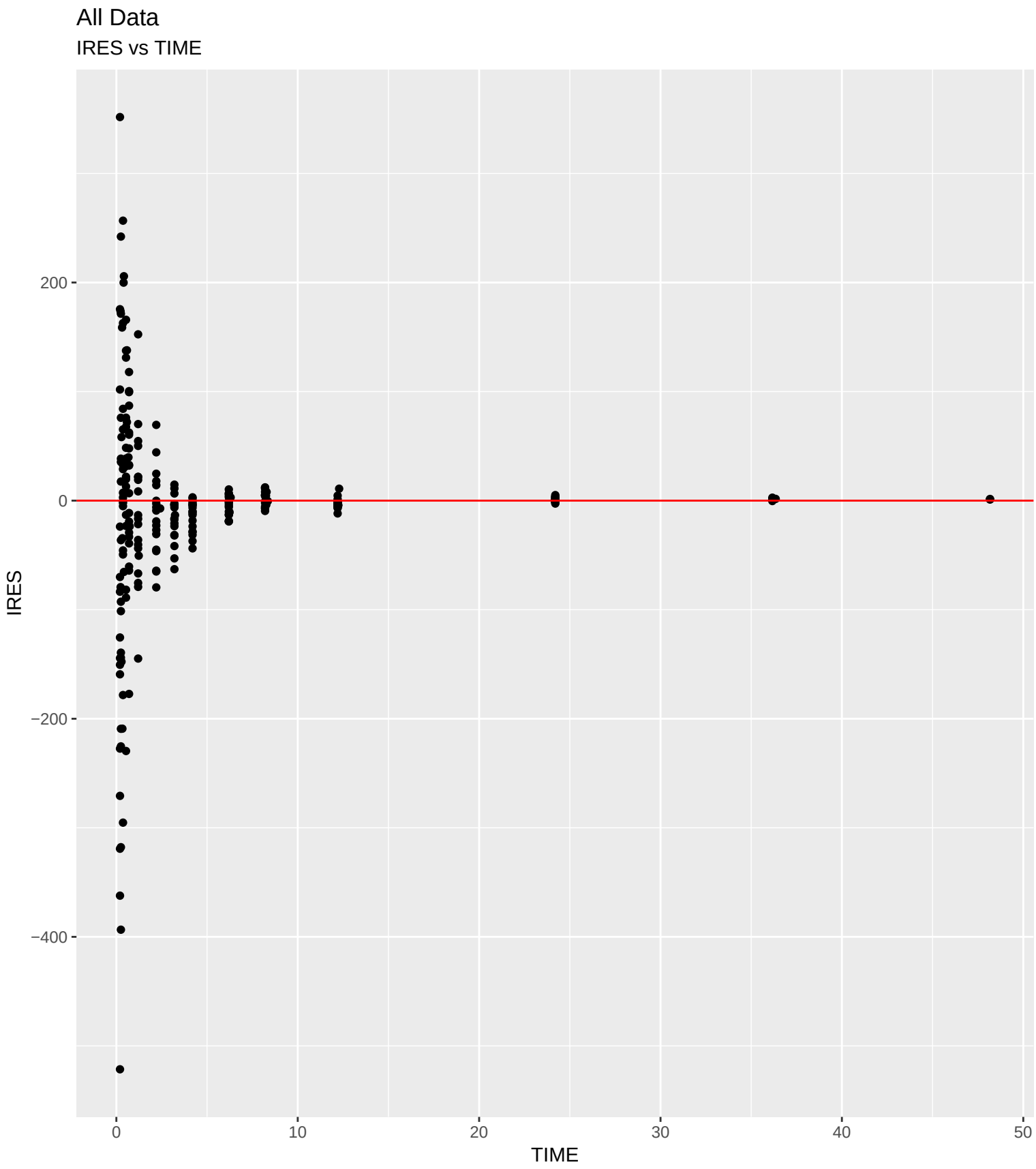
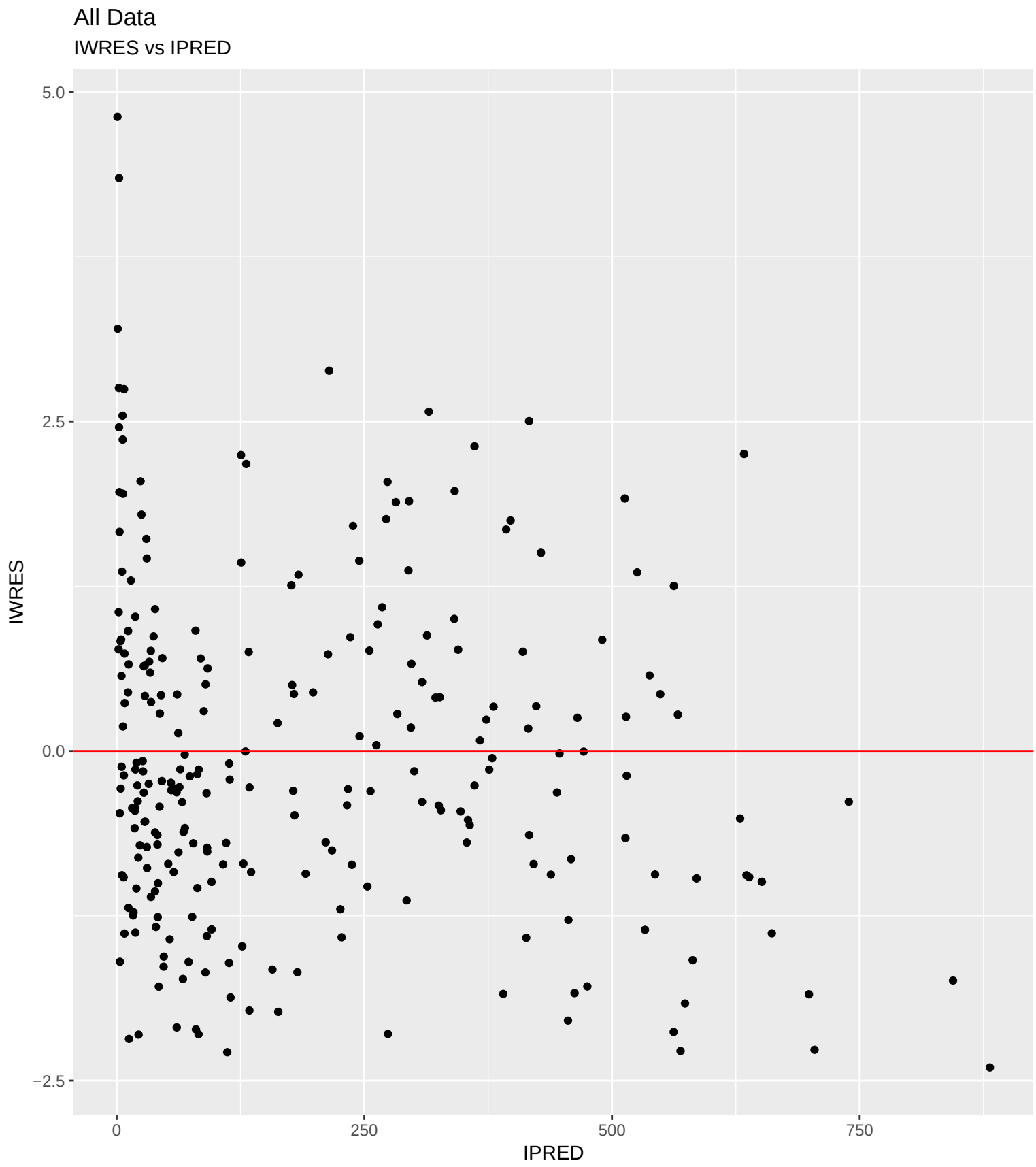
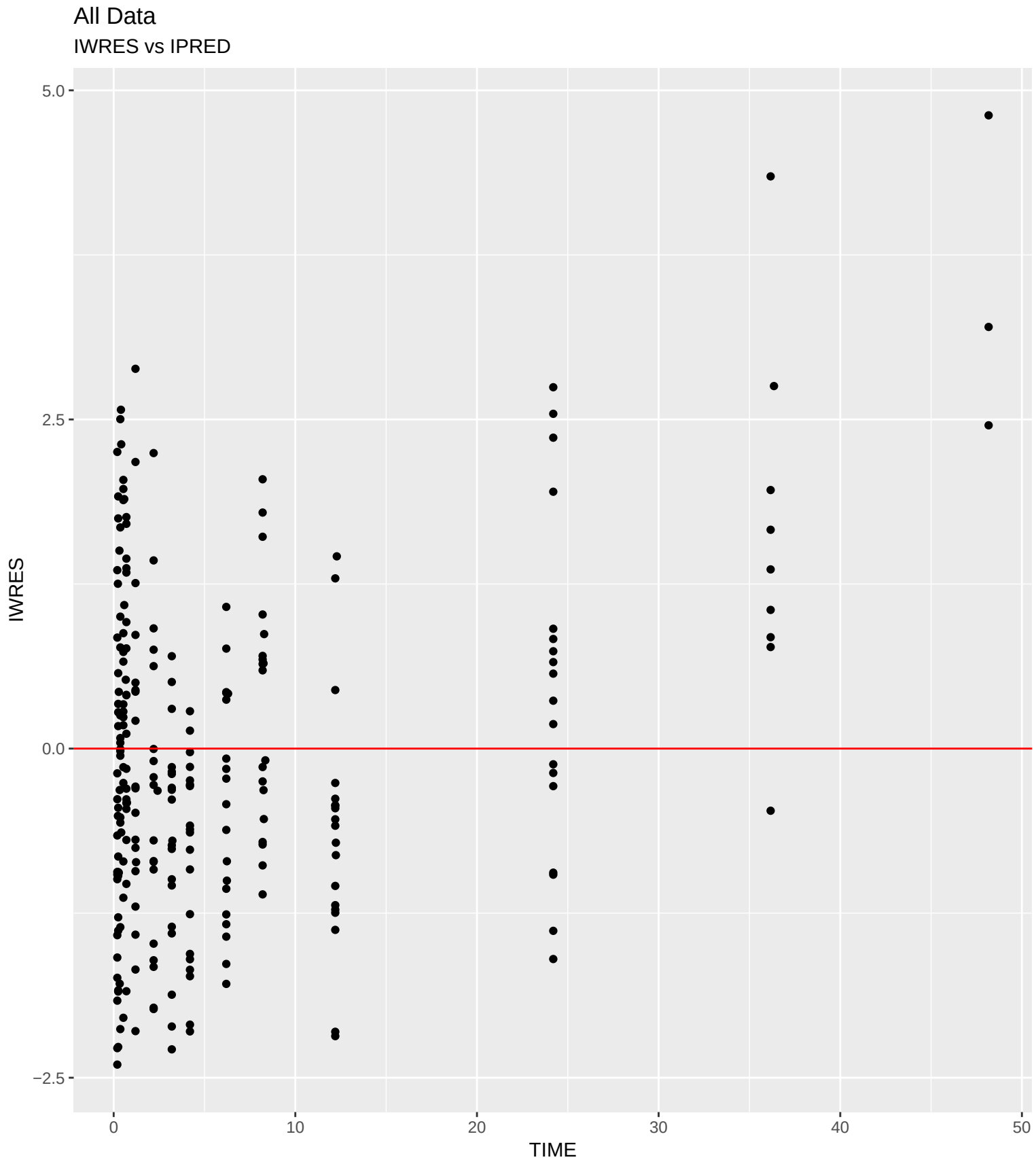

add.err
eta.LClint
lCLint
lKbAD
lKbBO
lKbBR
lKbMU
lKbRB
prop.err
val
iter
0
100
200
300
400
500

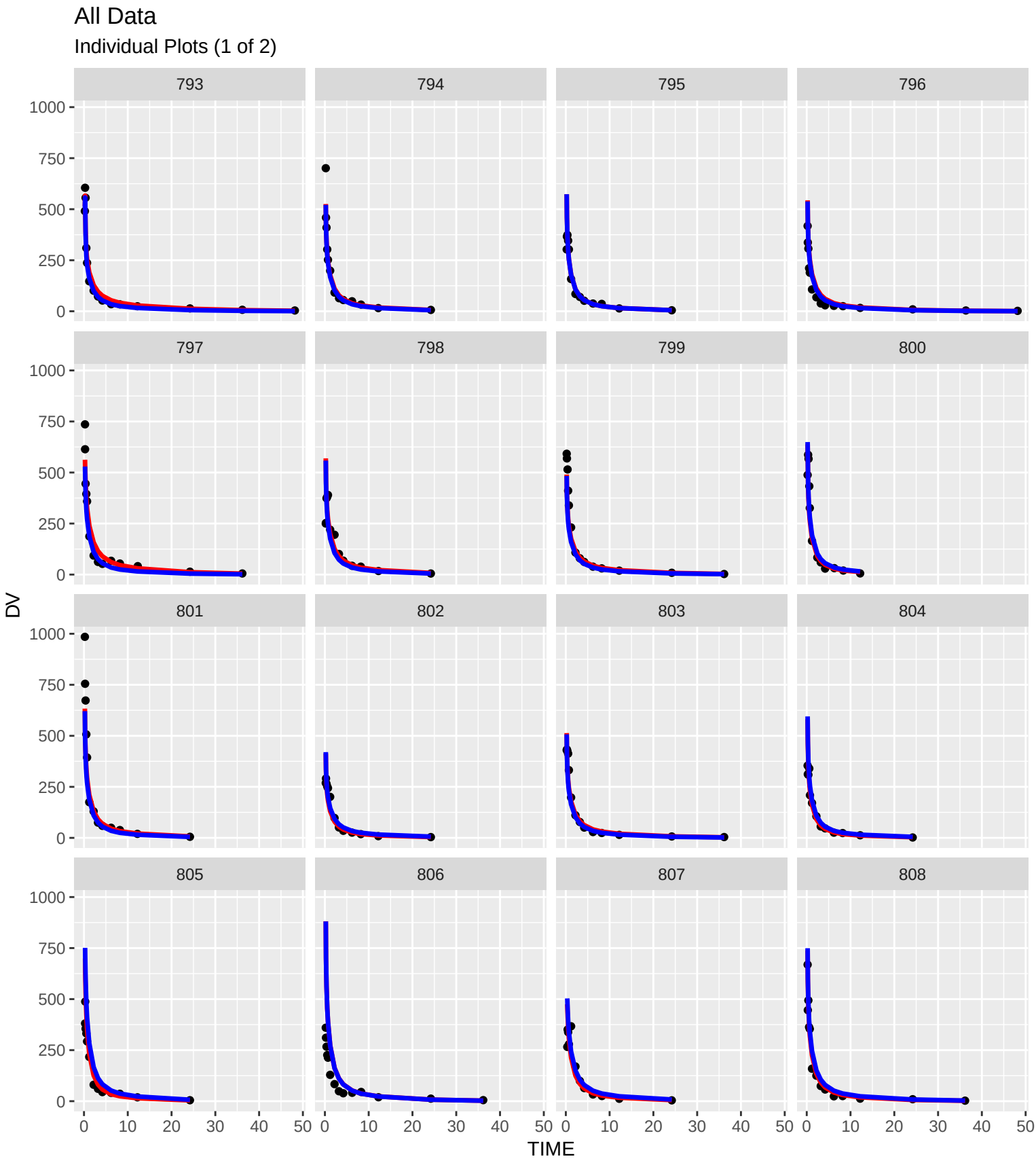

All Data
DV vs PRED/IPRED
PRED
IPRED
DV
1000
750
500
250
0
0
250
500
750
Predictions


All Data
IRES vs IPRED
200
0
−200
−400
IRES
0
250
500
750
IPRED


All Data
IRES vs TIME
200
0
−200
−400
IRES
0
10
20
30
40
50
TIME

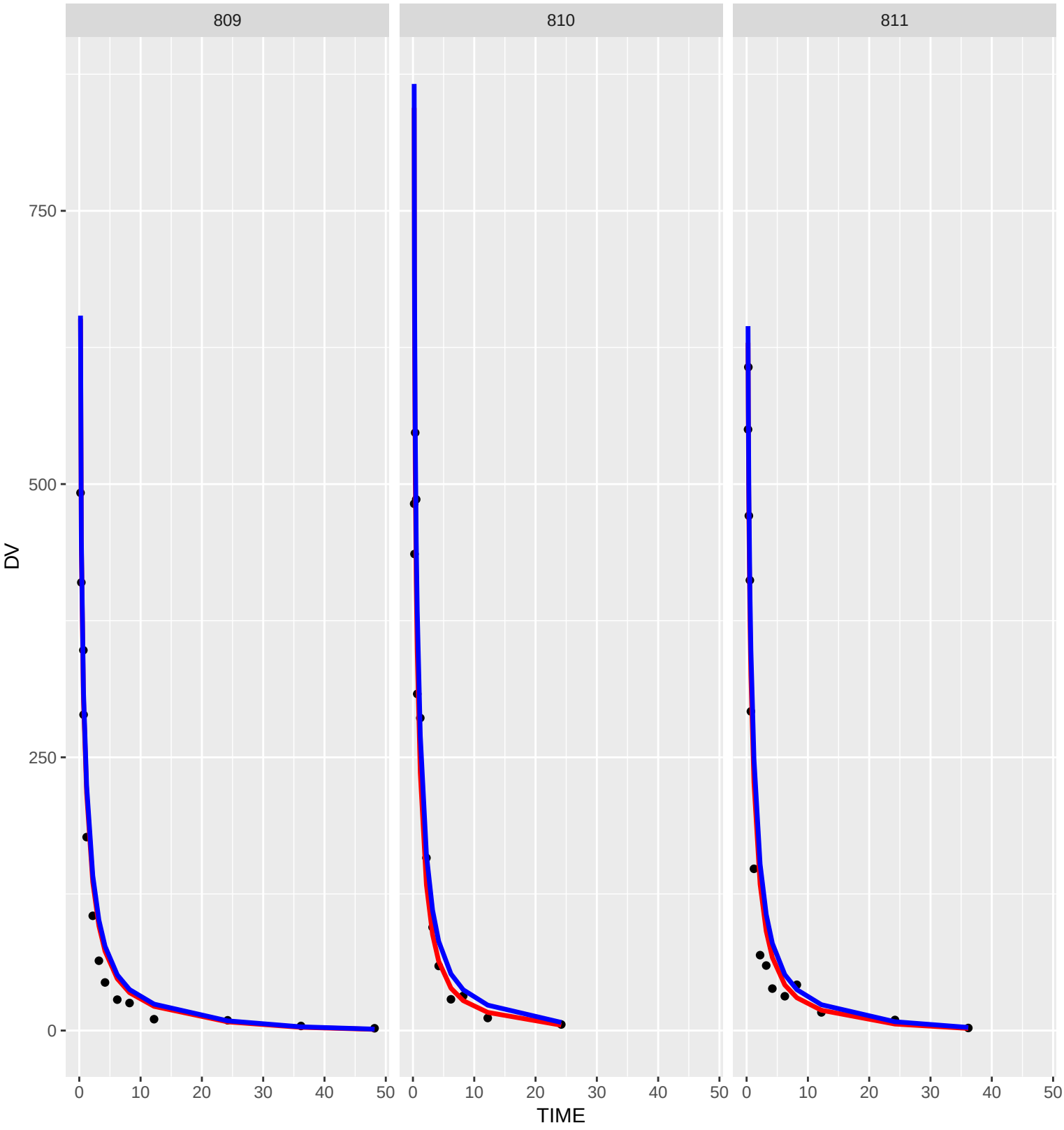

All Data
IWRES vs IPRED
5.0
2.5
0.0
−2.5
IWRES
0
250
500
750
IPRED

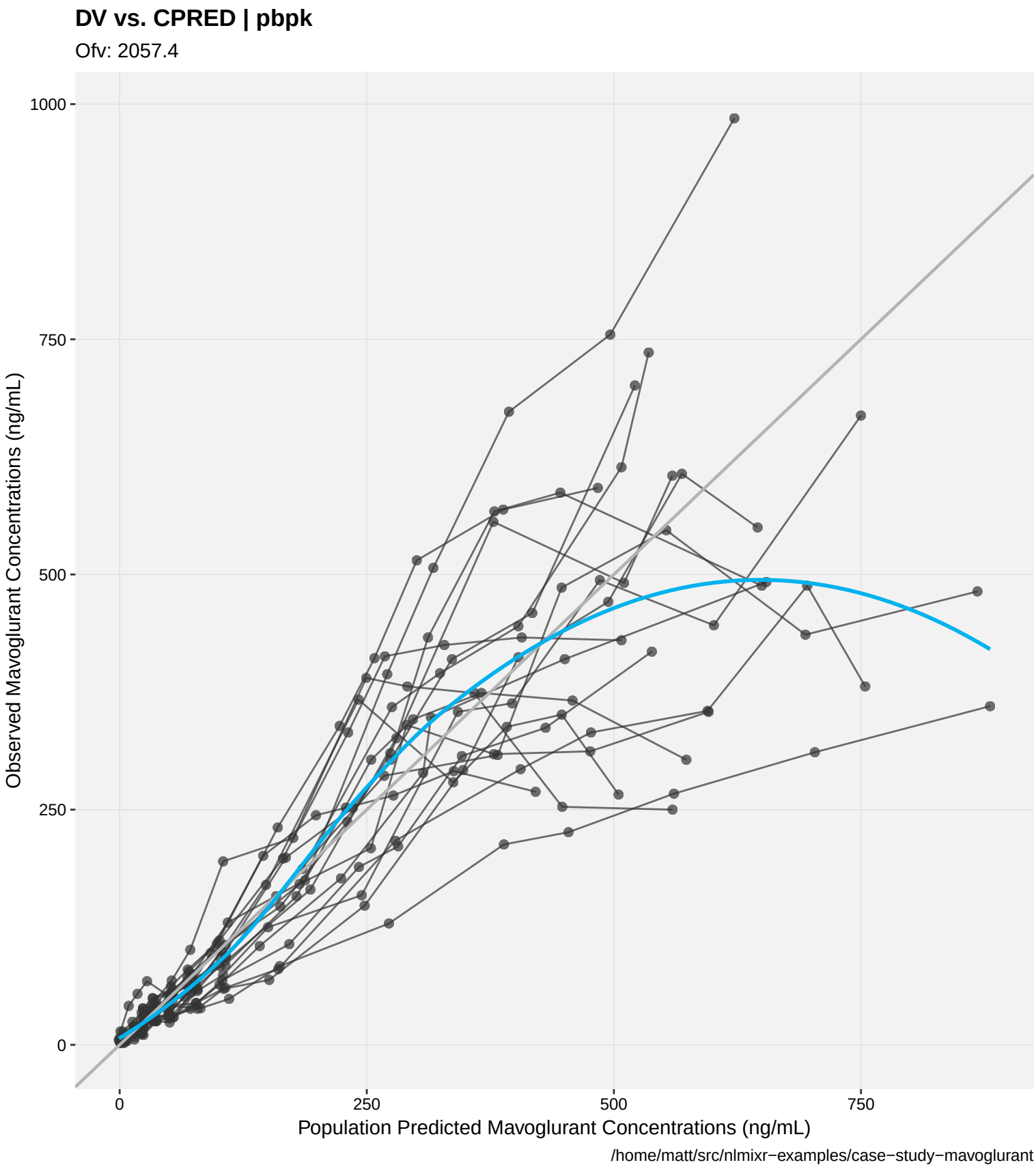

All Data
IWRES vs IPRED
5.0
2.5
0.0
−2.5
IWRES
0
10
20
30
40
50
TIME

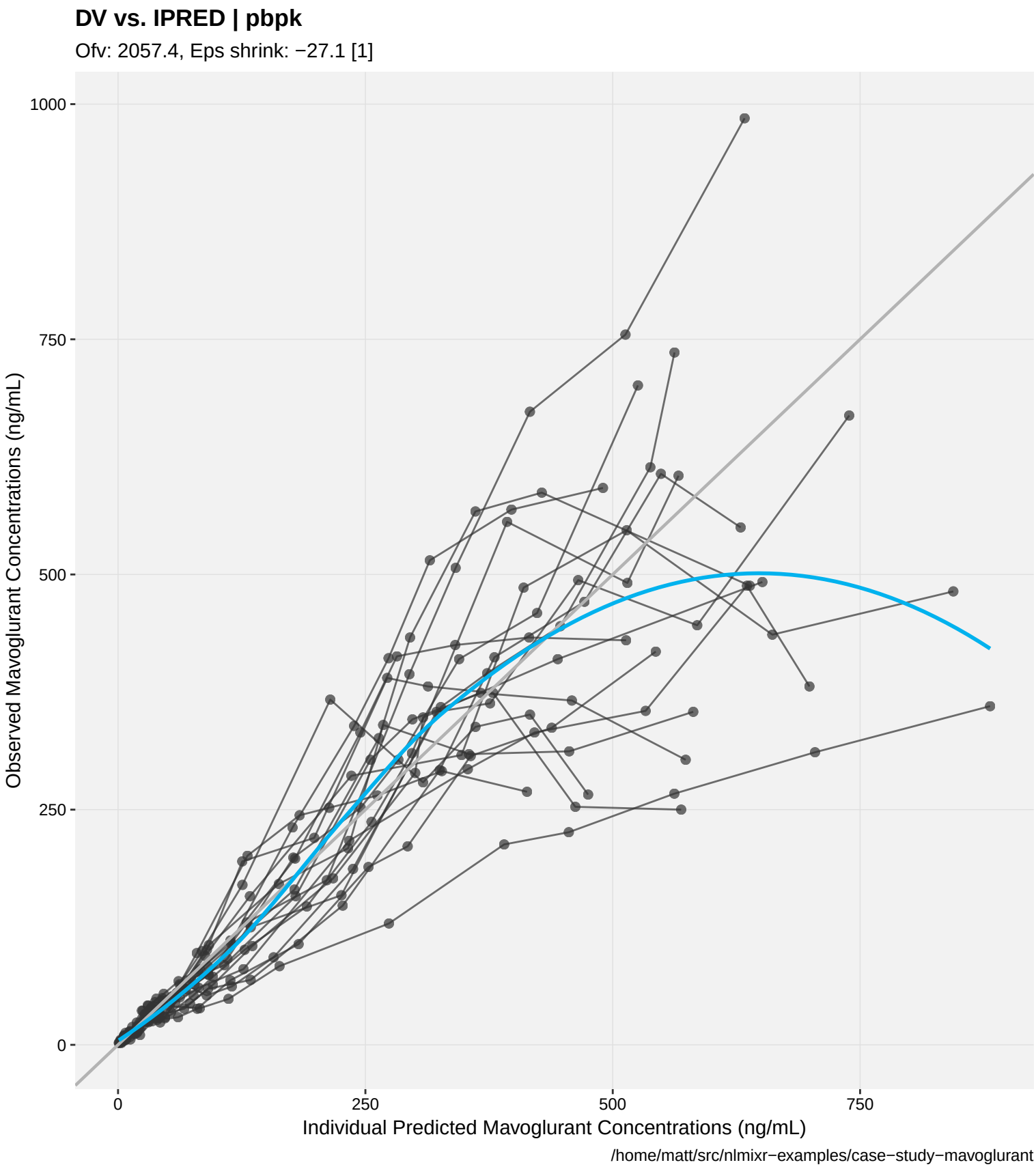

All Data
Individual Plots (1 of 2)
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
DV
TIME
0
250
500
750
1000
0
10
20
30
40
50

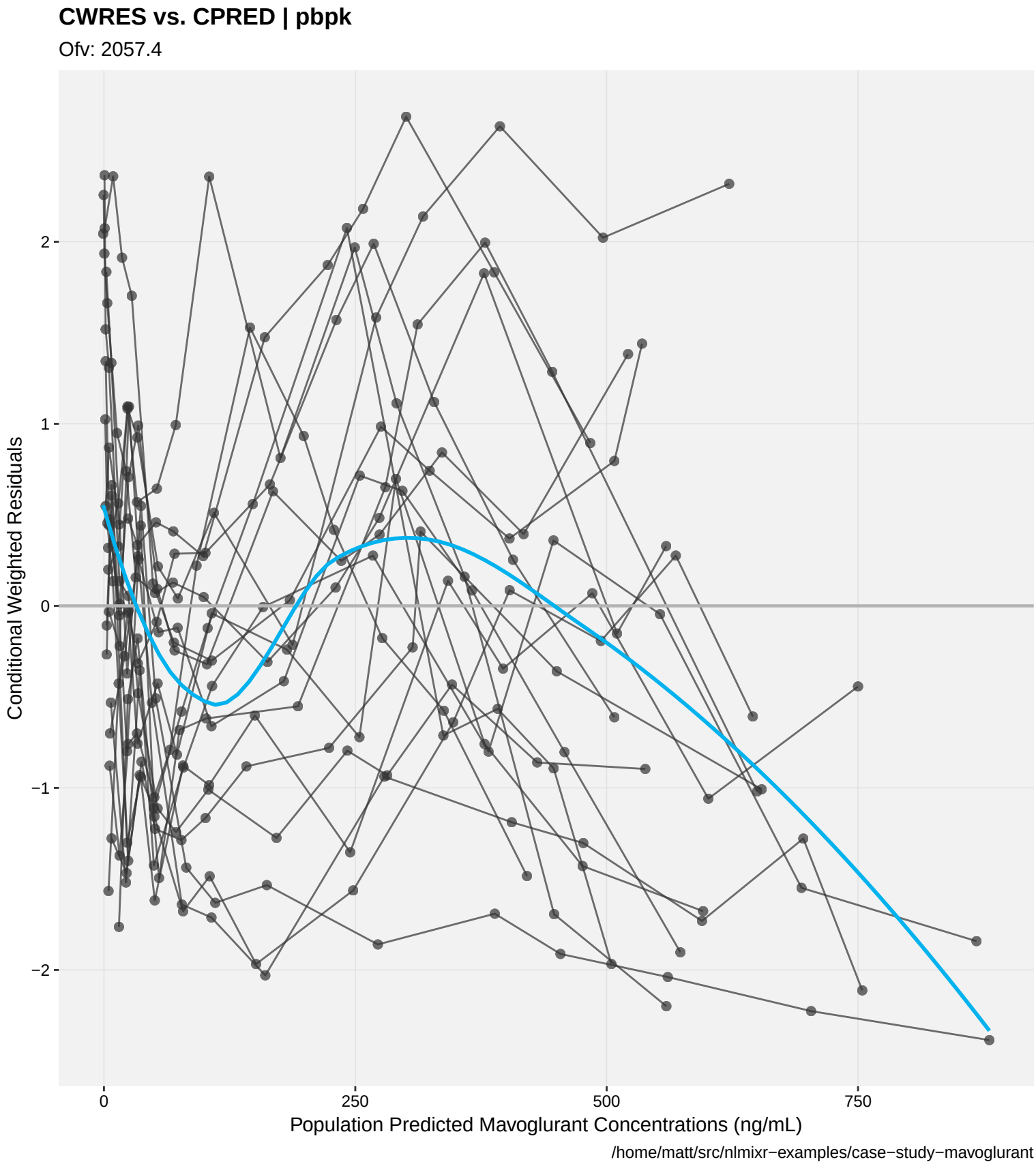
All Data

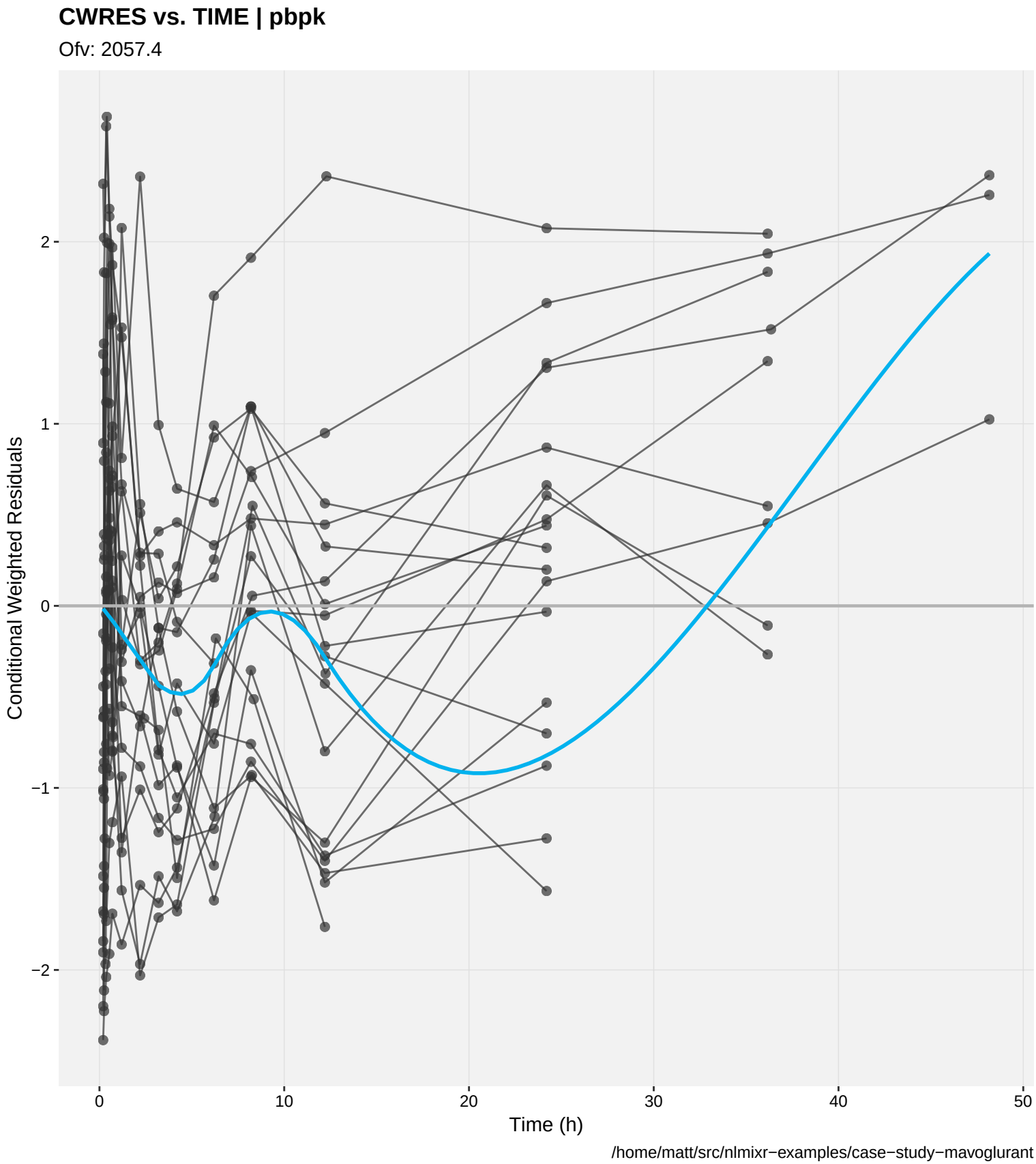
Individual Plots (2 of 2)




DV vs. CPRED | pbpk
Ofv: 2057.4
1000
750
500
250
0
Observed Mavoglurant Concentrations (ng/mL)
0
250
500
750
Population Predicted Mavoglurant Concentrations (ng/mL)
/home/matt/src/nlmixr−examples/case−study−mavoglurant

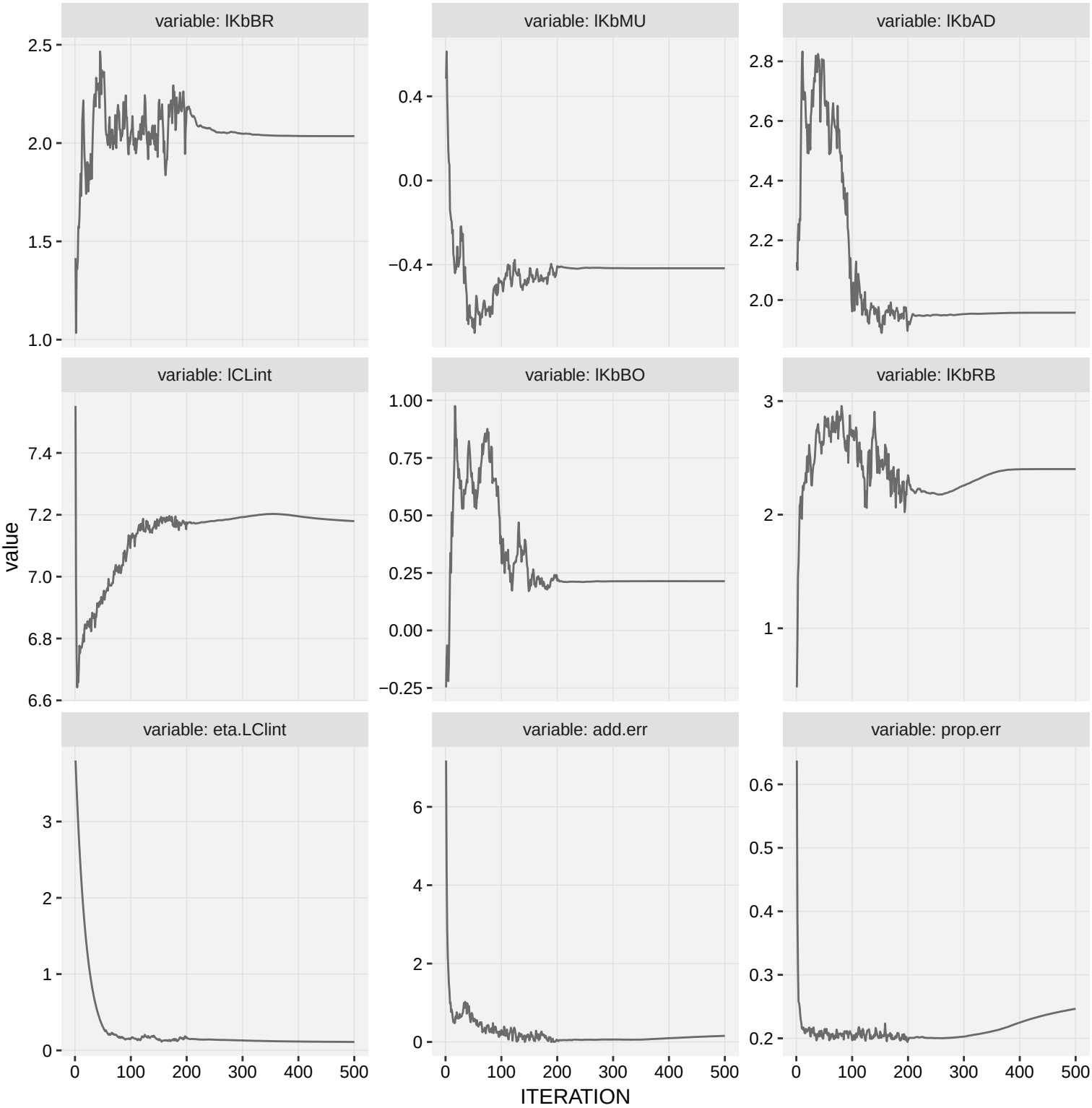

DV vs. IPRED | pbpk
Ofv: 2057.4, Eps shrink: −27.1 [1]
1000
750
500
250
0
Observed Mavoglurant Concentrations (ng/mL)
0
250
500
750
Individual Predicted Mavoglurant Concentrations (ng/mL)
/home/matt/src/nlmixr−examples/case−study−mavoglurant


CWRES vs. CPRED | pbpk
Ofv: 2057.4
Conditional Weighted Residuals
2
1
0
−1
−2
0
250
500
750
Population Predicted Mavoglurant Concentrations (ng/mL)
/home/matt/src/nlmixr−examples/case−study−mavoglurant

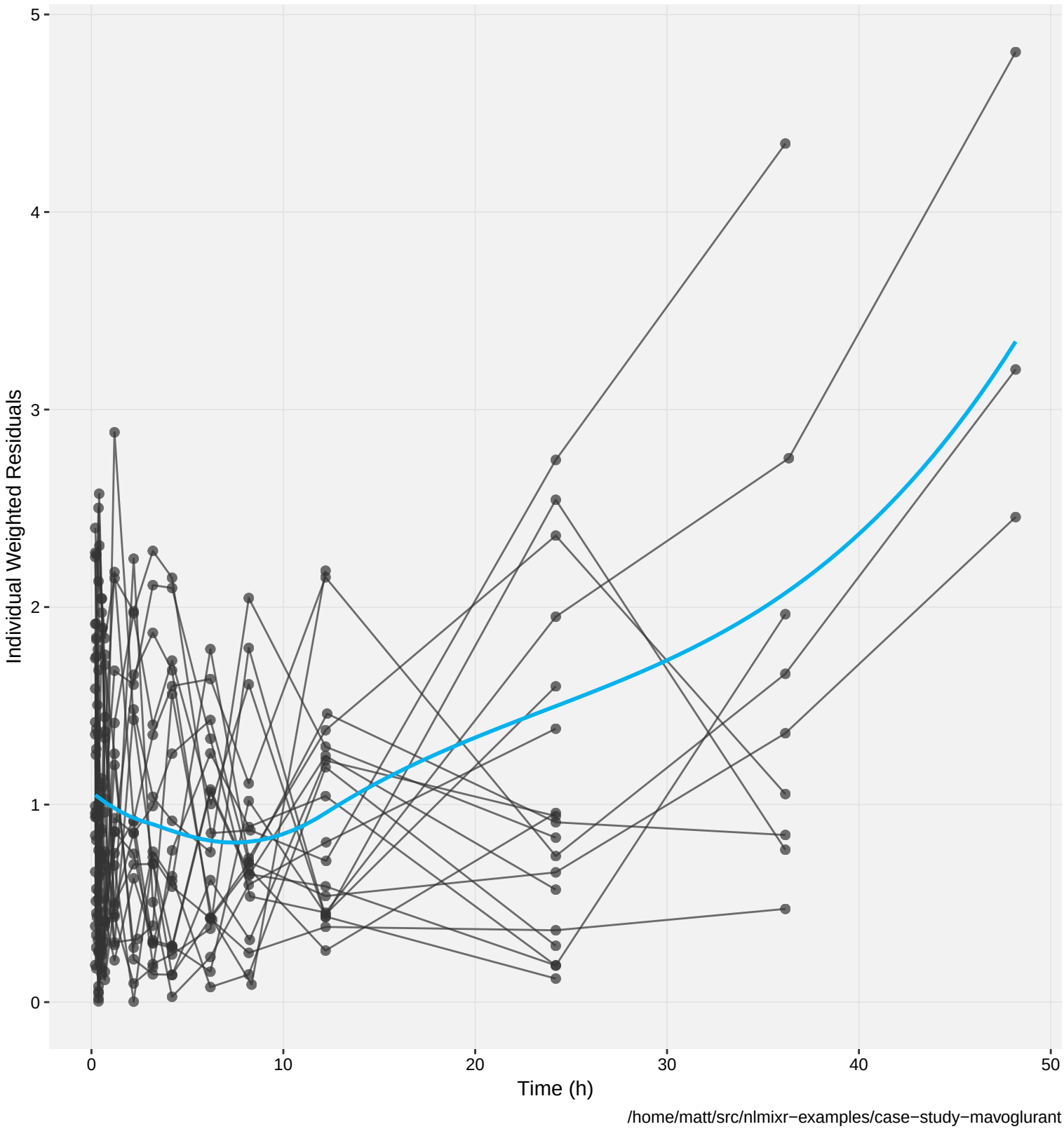

CWRES vs. TIME | pbpk
Ofv: 2057.4
Conditional Weighted Residuals
2
1
0
−1
−2
0
10
20
30
40
50
Time (h)
/home/matt/src/nlmixr−examples/case−study−mavoglurant

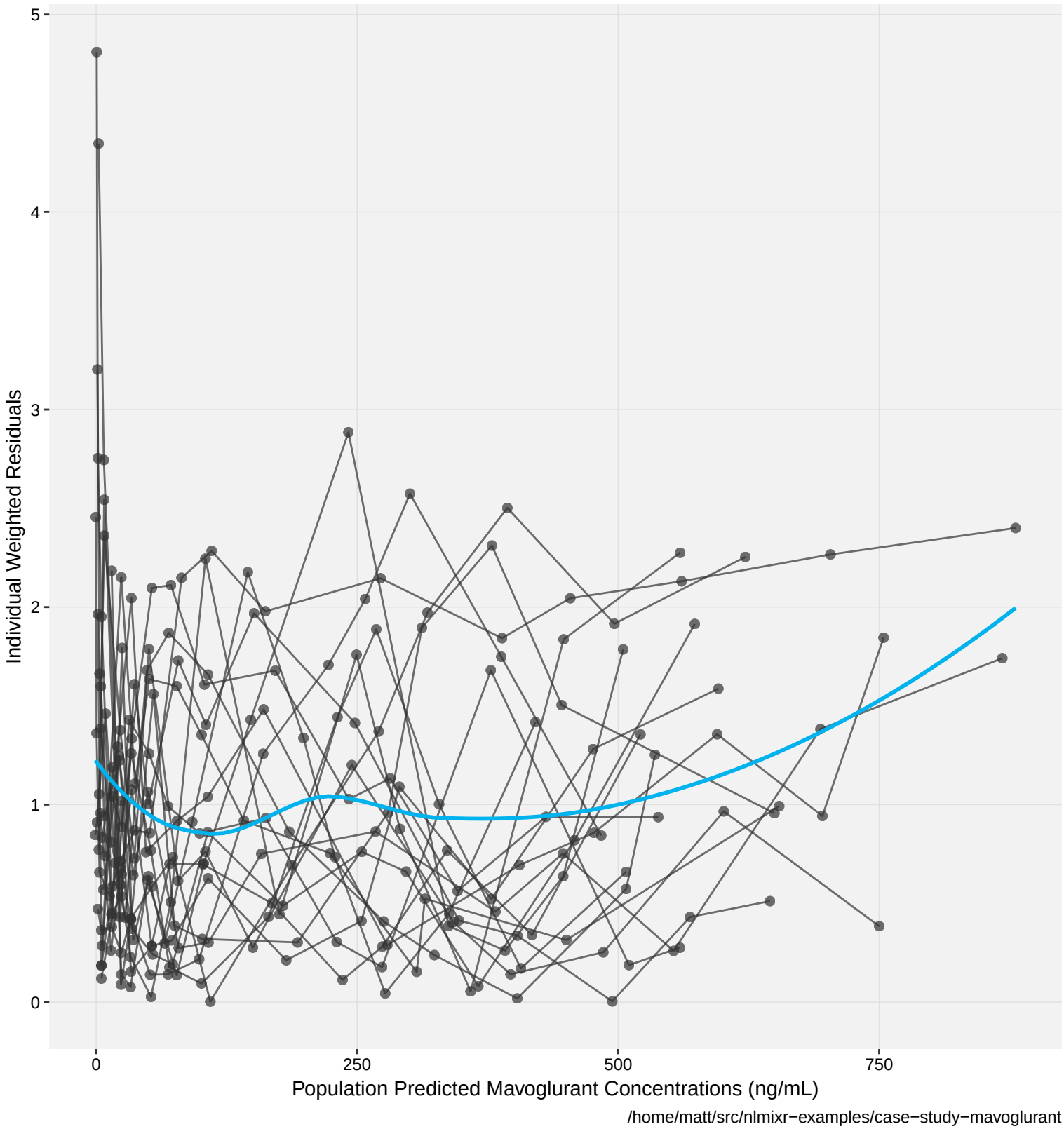
Parameter value vs. ITERATION | pbpk

Method: SAEM, minimization time: 0.3
Termination message: na



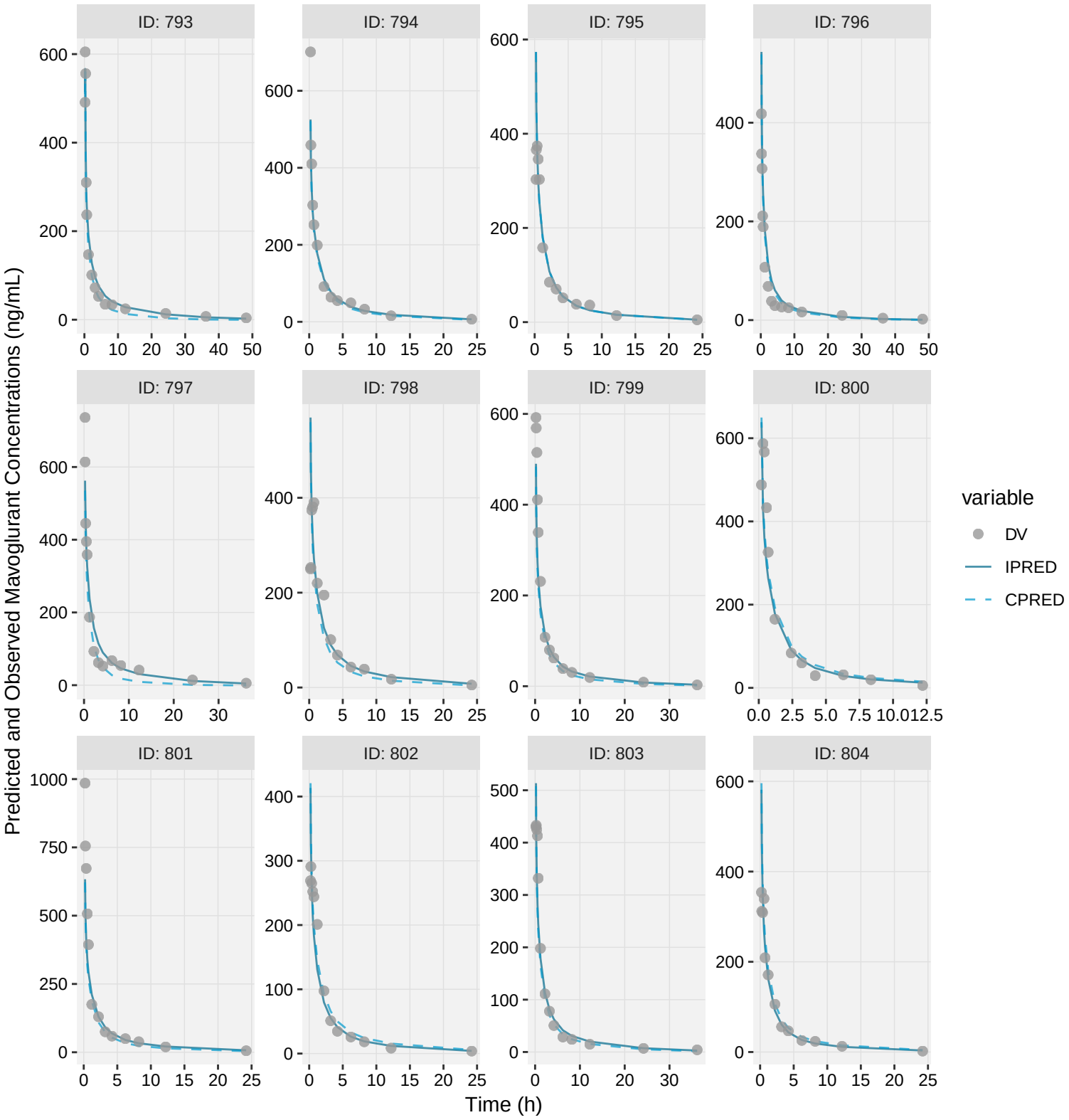
/home/matt/src/nlmixr−examples/case−study−mavoglurant


abs(IWRES) vs. TIME | pbpk
Ofv: 2057.4
Individual Weighted Residuals
Time (h)
0
1
2
3
4
5
0
10
20
30
40
50
/home/matt/src/nlmixr−examples/case−study−mavoglurant


abs(IWRES) vs. CPRED | pbpk
Ofv: 2057.4
Individual Weighted Residuals
0
1
2
3
4
5
0
250
500
750
Population Predicted Mavoglurant Concentrations (ng/mL)
/home/matt/src/nlmixr−examples/case−study−mavoglurant

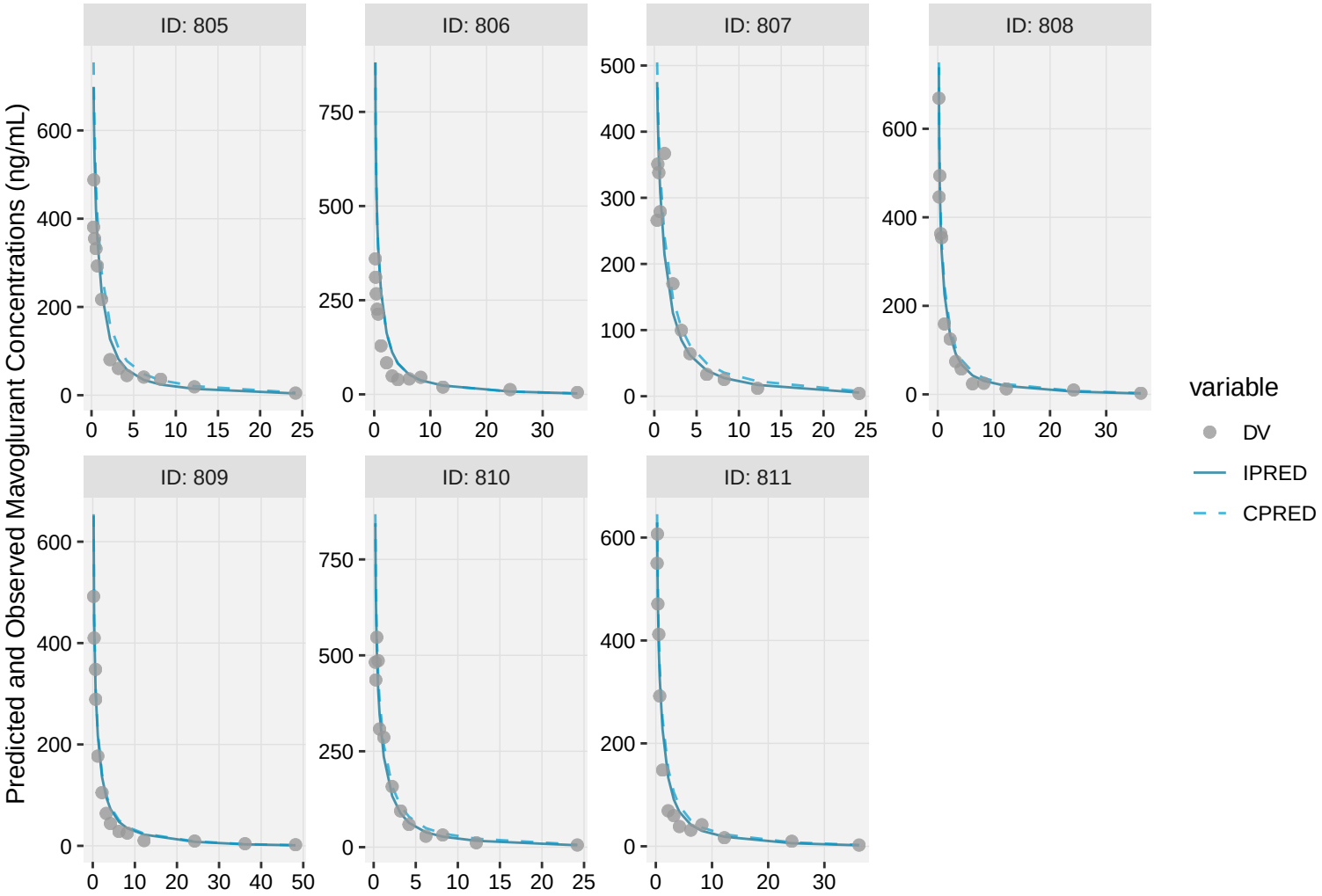
Individual plots | pbpk

Ofv: 2057.4, Eps shrink: −27.1 [1]

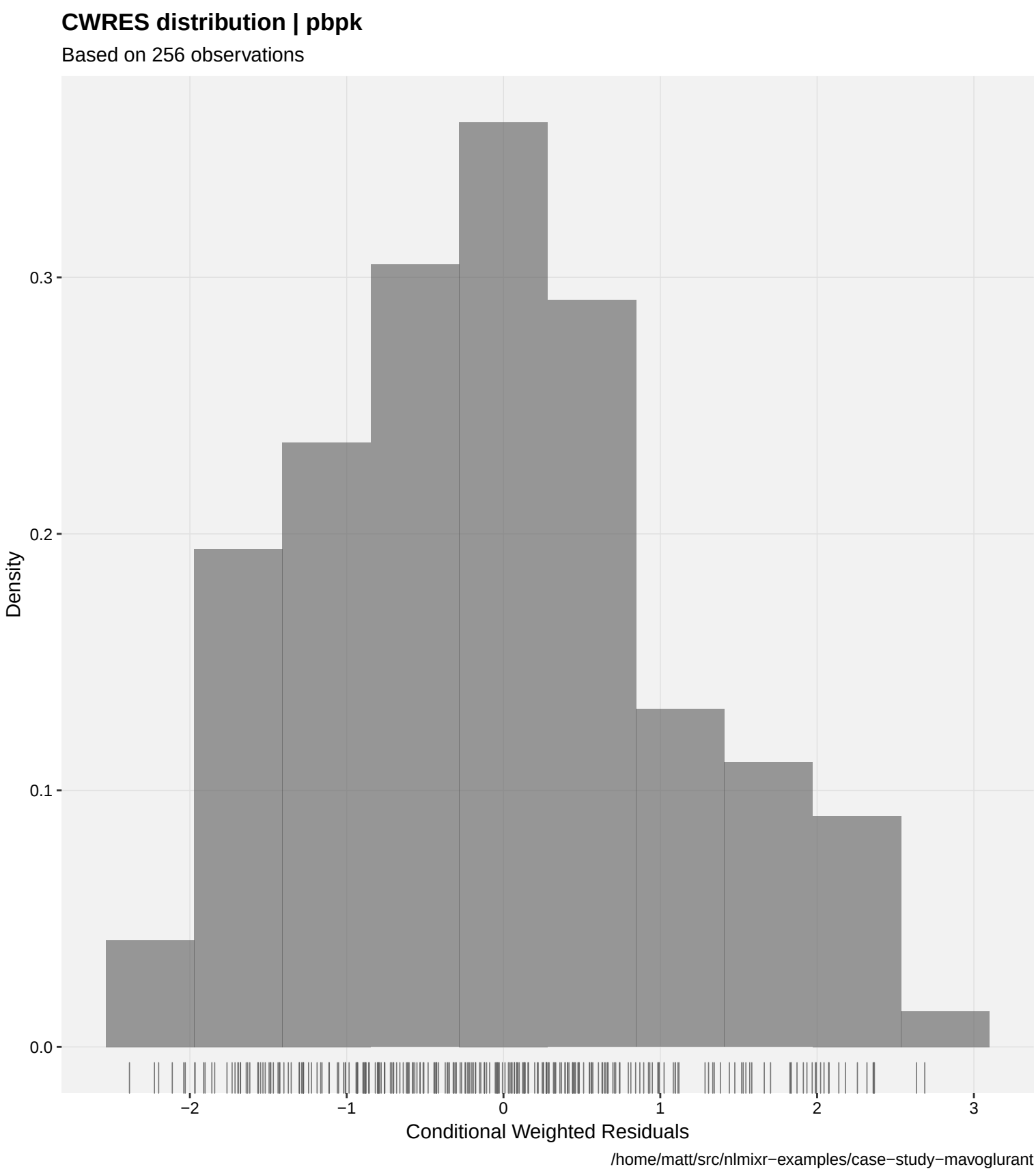


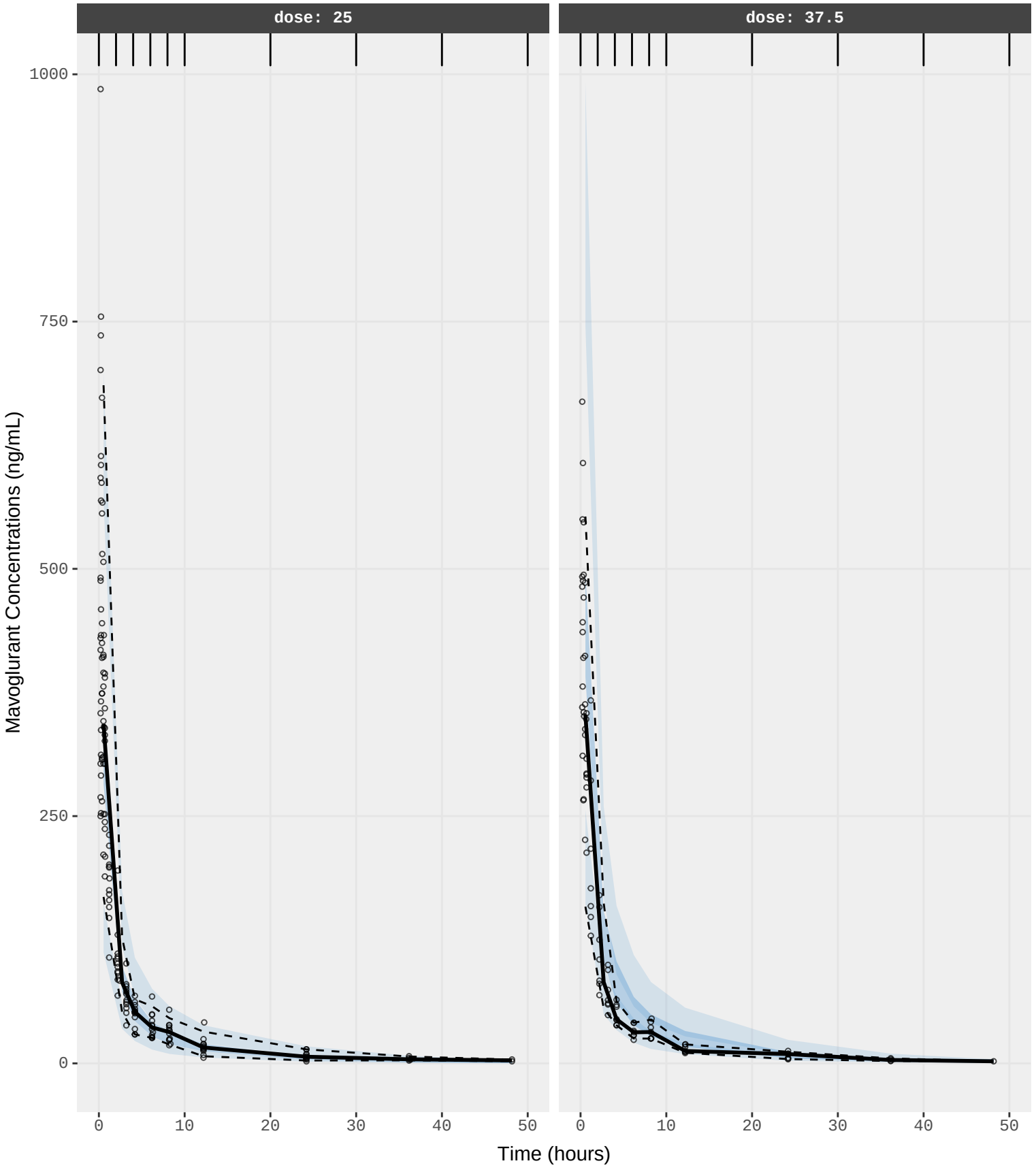
Individual plots | pbpk

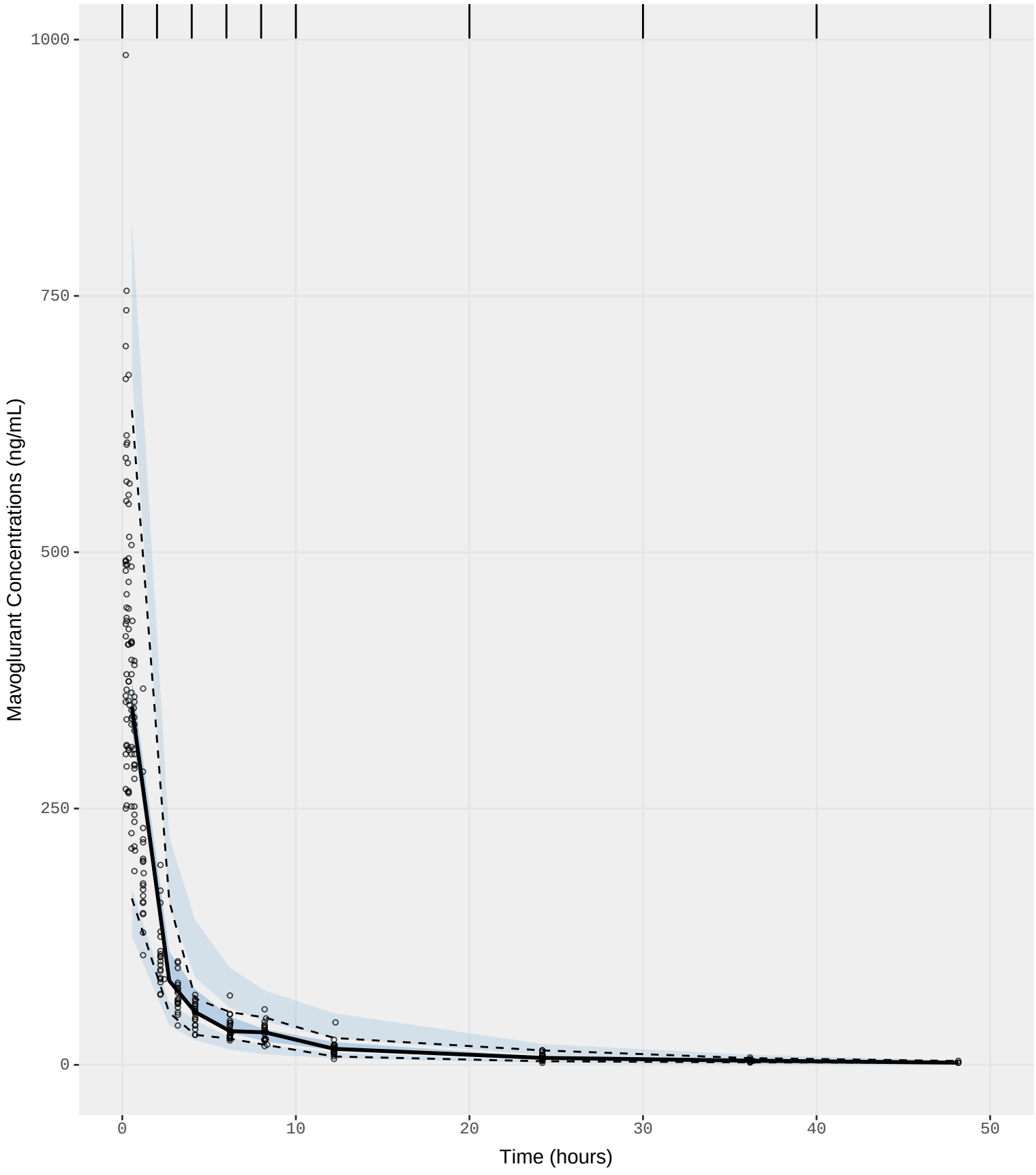
Ofv: 2057.4, Eps shrink: −27.1 [1]



Time (h)


CWRES distribution | pbpk
Based on 256 observations
Density
0.0
0.1
0.2
0.3
−2
−1
0
1
2
3
Conditional Weighted Residuals
/home/matt/src/nlmixr−examples/case−study−mavoglurant


dose: 25
dose: 37.5
1000
750
500
250
0
Mavoglurant Concentrations (ng/mL)
0
10
20
30
40
50
Time (hours)


1000
750
500
250
0
Mavoglurant Concentrations (ng/mL)
0
10
20
30
40
50
Time (hours)