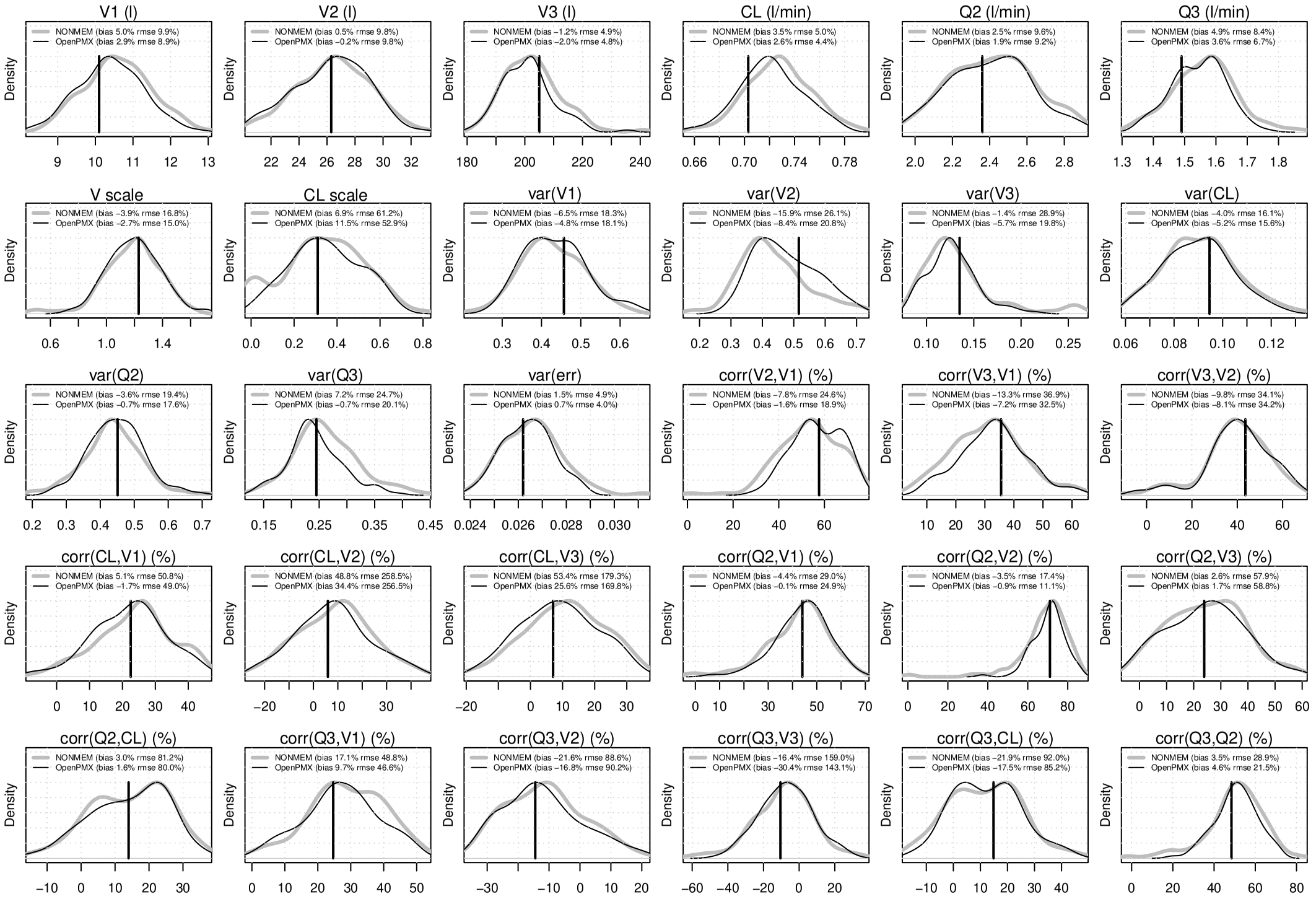
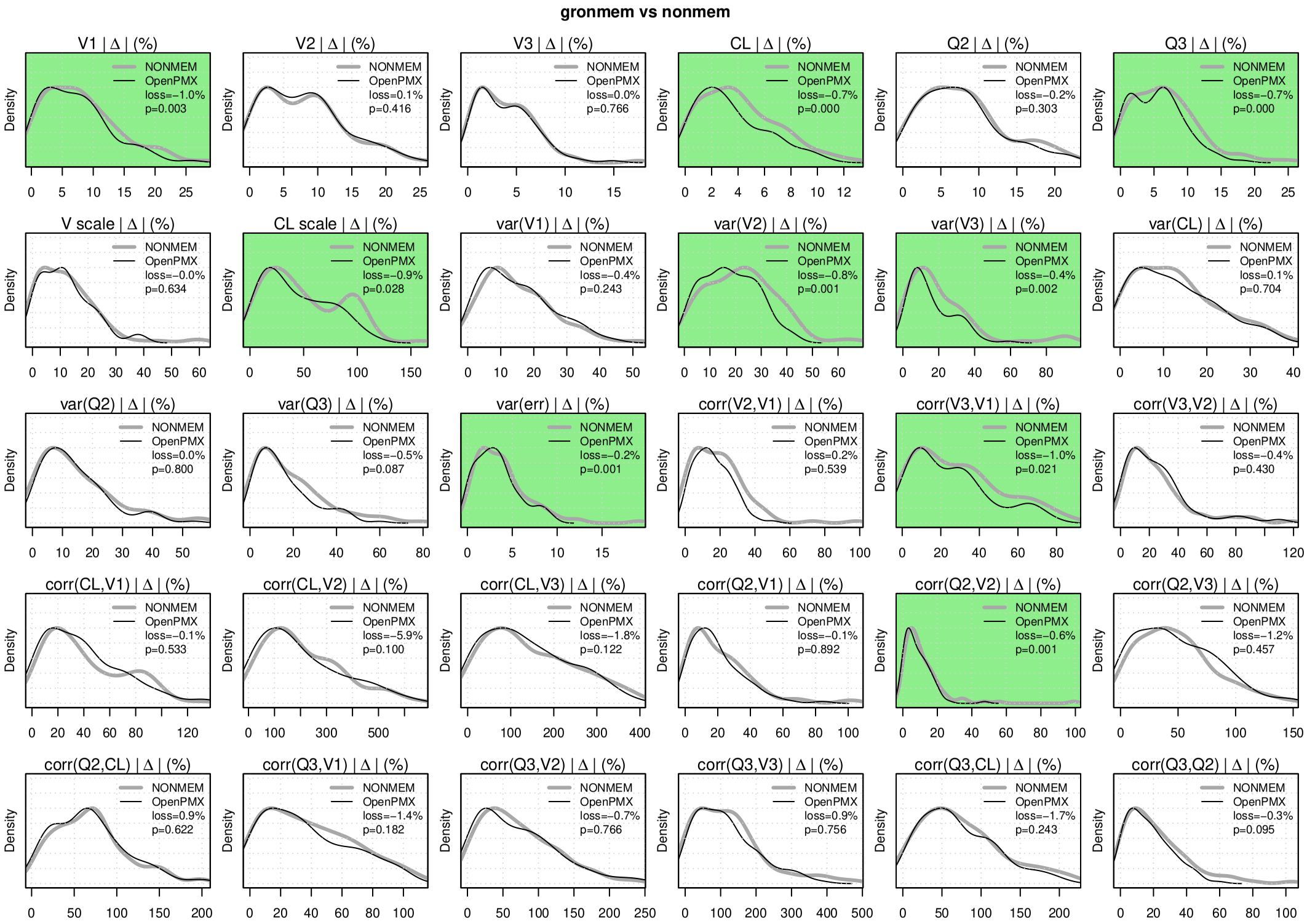
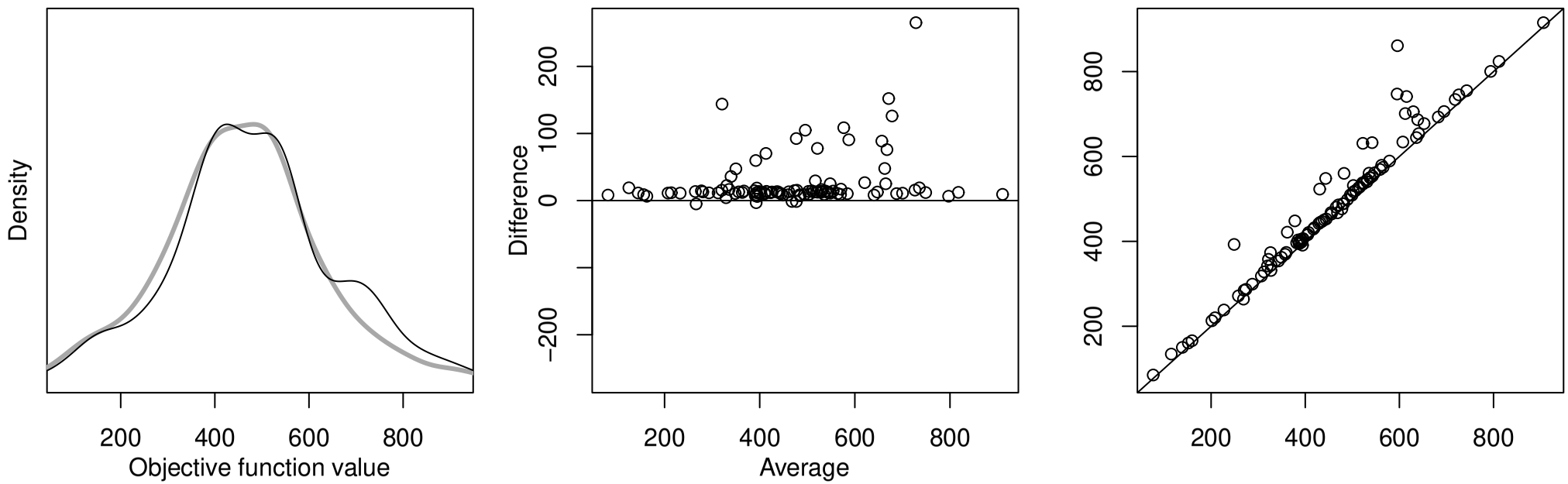

V1 (l)
NONMEM (bias 5.0% rmse 9.9%)
OpenPMX (bias 2.9% rmse 8.9%)
V2 (l)
NONMEM (bias 0.5% rmse 9.8%)
OpenPMX (bias −0.2% rmse 9.8%)
V3 (l)
NONMEM (bias −1.2% rmse 4.9%)
OpenPMX (bias −2.0% rmse 4.8%)
CL (l/min)
NONMEM (bias 3.5% rmse 5.0%)
OpenPMX (bias 2.6% rmse 4.4%)
Q2 (l/min)
NONMEM (bias 2.5% rmse 9.6%)
OpenPMX (bias 1.9% rmse 9.2%)
Q3 (l/min)
NONMEM (bias 4.9% rmse 8.4%)
OpenPMX (bias 3.6% rmse 6.7%)
V scale
NONMEM (bias −3.9% rmse 16.8%)
OpenPMX (bias −2.7% rmse 15.0%)
CL scale
NONMEM (bias 6.9% rmse 61.2%)
OpenPMX (bias 11.5% rmse 52.9%)
var(V1)
NONMEM (bias −6.5% rmse 18.3%)
OpenPMX (bias −4.8% rmse 18.1%)
var(V2)
NONMEM (bias −15.9% rmse 26.1%)
OpenPMX (bias −8.4% rmse 20.8%)
var(V3)
NONMEM (bias −1.4% rmse 28.9%)
OpenPMX (bias −5.7% rmse 19.8%)
var(CL)
NONMEM (bias −4.0% rmse 16.1%)
OpenPMX (bias −5.2% rmse 15.6%)
var(Q2)
NONMEM (bias −3.6% rmse 19.4%)
OpenPMX (bias −0.7% rmse 17.6%)
var(Q3)
NONMEM (bias 7.2% rmse 24.7%)
OpenPMX (bias −0.7% rmse 20.1%)
var(err)
NONMEM (bias 1.5% rmse 4.9%)
OpenPMX (bias 0.7% rmse 4.0%)
corr(V2,V1) (%)
NONMEM (bias −7.8% rmse 24.6%)
OpenPMX (bias −1.6% rmse 18.9%)
corr(V3,V1) (%)
NONMEM (bias −13.3% rmse 36.9%)
OpenPMX (bias −7.2% rmse 32.5%)
corr(V3,V2) (%)
NONMEM (bias −9.8% rmse 34.1%)
OpenPMX (bias −8.1% rmse 34.2%)
corr(CL,V1) (%)
NONMEM (bias 5.1% rmse 50.8%)
OpenPMX (bias −1.7% rmse 49.0%)
corr(CL,V2) (%)
NONMEM (bias 48.8% rmse 258.5%)
OpenPMX (bias 34.4% rmse 256.5%)
corr(CL,V3) (%)
NONMEM (bias 53.4% rmse 179.3%)
OpenPMX (bias 25.6% rmse 169.8%)
corr(Q2,V1) (%)
NONMEM (bias −4.4% rmse 29.0%)
OpenPMX (bias −0.1% rmse 24.9%)
corr(Q2,V2) (%)
NONMEM (bias −3.5% rmse 17.4%)
OpenPMX (bias −0.9% rmse 11.1%)
corr(Q2,V3) (%)
NONMEM (bias 2.6% rmse 57.9%)
OpenPMX (bias 1.7% rmse 58.8%)
corr(Q2,CL) (%)
NONMEM (bias 3.0% rmse 81.2%)
OpenPMX (bias 1.6% rmse 80.0%)
corr(Q3,V1) (%)
NONMEM (bias 17.1% rmse 48.8%)
OpenPMX (bias 9.7% rmse 46.6%)
corr(Q3,V2) (%)
NONMEM (bias −21.6% rmse 88.6%)
OpenPMX (bias −16.8% rmse 90.2%)
corr(Q3,V3) (%)
NONMEM (bias −16.4% rmse 159.0%)
OpenPMX (bias −30.4% rmse 143.1%)
corr(Q3,CL) (%)
NONMEM (bias −21.9% rmse 92.0%)
OpenPMX (bias −17.5% rmse 85.2%)
corr(Q3,Q2) (%)
NONMEM (bias 3.5% rmse 28.9%)
OpenPMX (bias 4.6% rmse 21.5%)
Density


gronmem vs nonmem
V1 | Δ | (%)
NONMEM
OpenPMX
loss=−1.0%
p=0.003
V2 | Δ | (%)
NONMEM
OpenPMX
loss=0.1%
p=0.416
V3 | Δ | (%)
NONMEM
OpenPMX
loss=0.0%
p=0.766
CL | Δ | (%)
NONMEM
OpenPMX
loss=−0.7%
p=0.000
Q2 | Δ | (%)
NONMEM
OpenPMX
loss=−0.2%
p=0.303
Q3 | Δ | (%)
NONMEM
OpenPMX
loss=−0.7%
p=0.000
V scale | Δ | (%)
NONMEM
OpenPMX
loss=−0.0%
p=0.634
CL scale | Δ | (%)
NONMEM
OpenPMX
loss=−0.9%
p=0.028
var(V1) | Δ | (%)
NONMEM
OpenPMX
loss=−0.4%
p=0.243
var(V2) | Δ | (%)
NONMEM
OpenPMX
loss=−0.8%
p=0.001
var(V3) | Δ | (%)
NONMEM
OpenPMX
loss=−0.4%
p=0.002
var(CL) | Δ | (%)
NONMEM
OpenPMX
loss=0.1%
p=0.704
var(Q2) | Δ | (%)
NONMEM
OpenPMX
loss=0.0%
p=0.800
var(Q3) | Δ | (%)
NONMEM
OpenPMX
loss=−0.5%
p=0.087
var(err) | Δ | (%)
NONMEM
OpenPMX
loss=−0.2%
p=0.001
corr(V2,V1) | Δ | (%)
NONMEM
OpenPMX
loss=0.2%
p=0.539
corr(V3,V1) | Δ | (%)
NONMEM
OpenPMX
loss=−1.0%
p=0.021
corr(V3,V2) | Δ | (%)
NONMEM
OpenPMX
loss=−0.4%
p=0.430
corr(CL,V1) | Δ | (%)
NONMEM
OpenPMX
loss=−0.1%
p=0.533
corr(CL,V2) | Δ | (%)
NONMEM
OpenPMX
loss=−5.9%
p=0.100
corr(CL,V3) | Δ | (%)
NONMEM
OpenPMX
loss=−1.8%
p=0.122
corr(Q2,V1) | Δ | (%)
NONMEM
OpenPMX
loss=−0.1%
p=0.892
corr(Q2,V2) | Δ | (%)
NONMEM
OpenPMX
loss=−0.6%
p=0.001
corr(Q2,V3) | Δ | (%)
NONMEM
OpenPMX
loss=−1.2%
p=0.457
corr(Q2,CL) | Δ | (%)
NONMEM
OpenPMX
loss=0.9%
p=0.622
corr(Q3,V1) | Δ | (%)
NONMEM
OpenPMX
loss=−1.4%
p=0.182
corr(Q3,V2) | Δ | (%)
NONMEM
OpenPMX
loss=−0.7%
p=0.766
corr(Q3,V3) | Δ | (%)
NONMEM
OpenPMX
loss=0.9%
p=0.756
corr(Q3,CL) | Δ | (%)
NONMEM
OpenPMX
loss=−1.7%
p=0.243
corr(Q3,Q2) | Δ | (%)
NONMEM
OpenPMX
loss=−0.3%
p=0.095
Density


OpenPMX vs NONMEM
Density
Objective function value
200
400
600
800
Difference
Average
200
100
0
−200
200
400
600
800
200
400
600
800