

ggPMX standing report

/home/matt/src/nlmixr.examples/vignettes

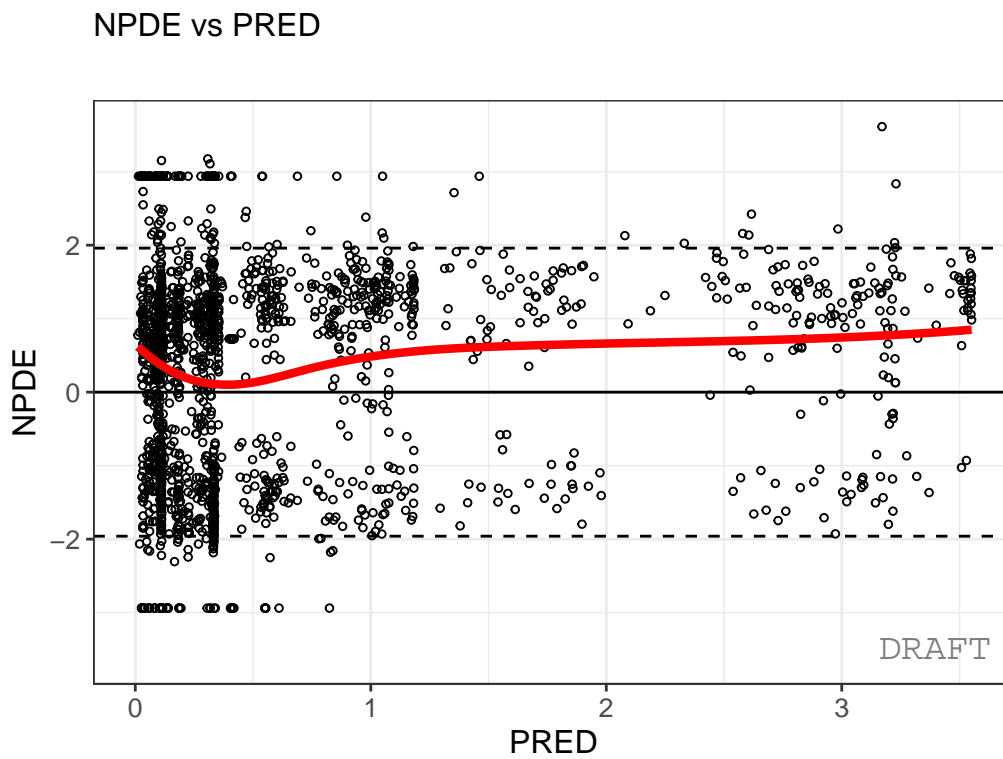
17 October, 2019

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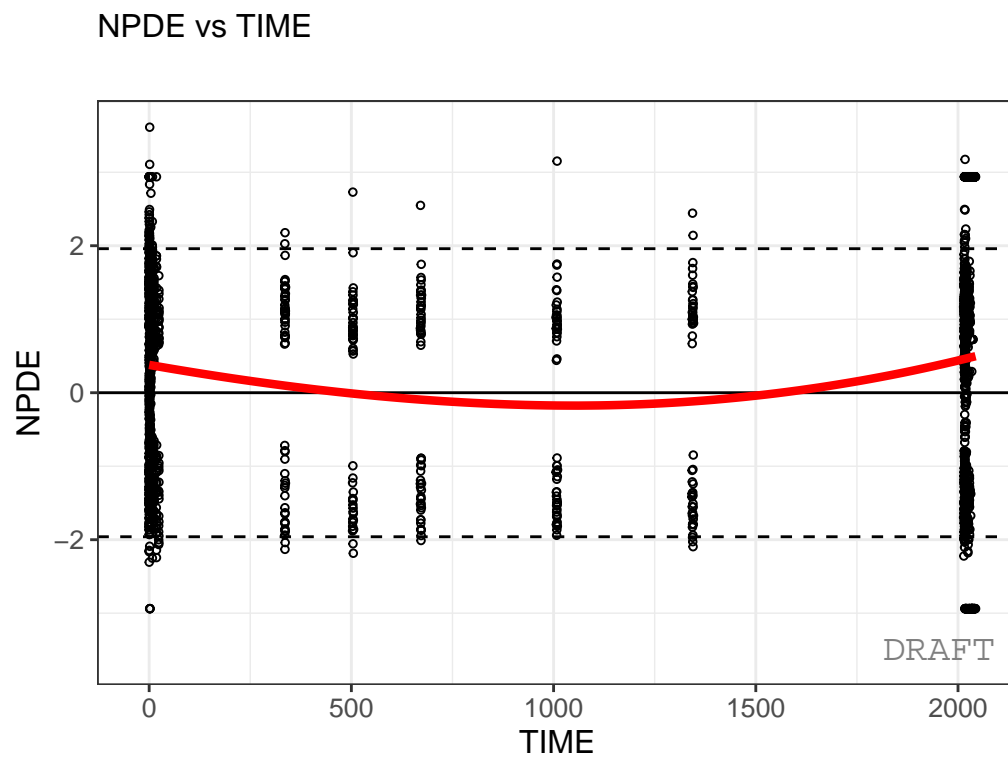
Key model diagnostics

NPDE vs PRED



Source: /home/matt/src/nlmixr.examples/vignettes/
ggpmx_GOF/npde_pred-1

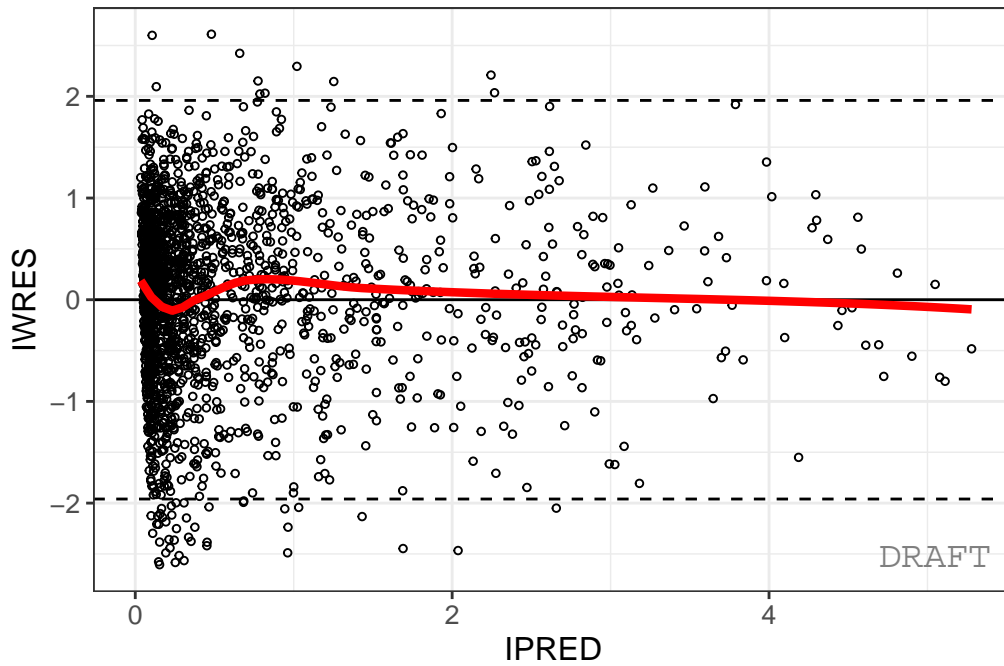
NPDE vs TIME



Source: /home/matt/src/nlmixr.examples/vignettes/
ggpmx_GOF/npde_time-2

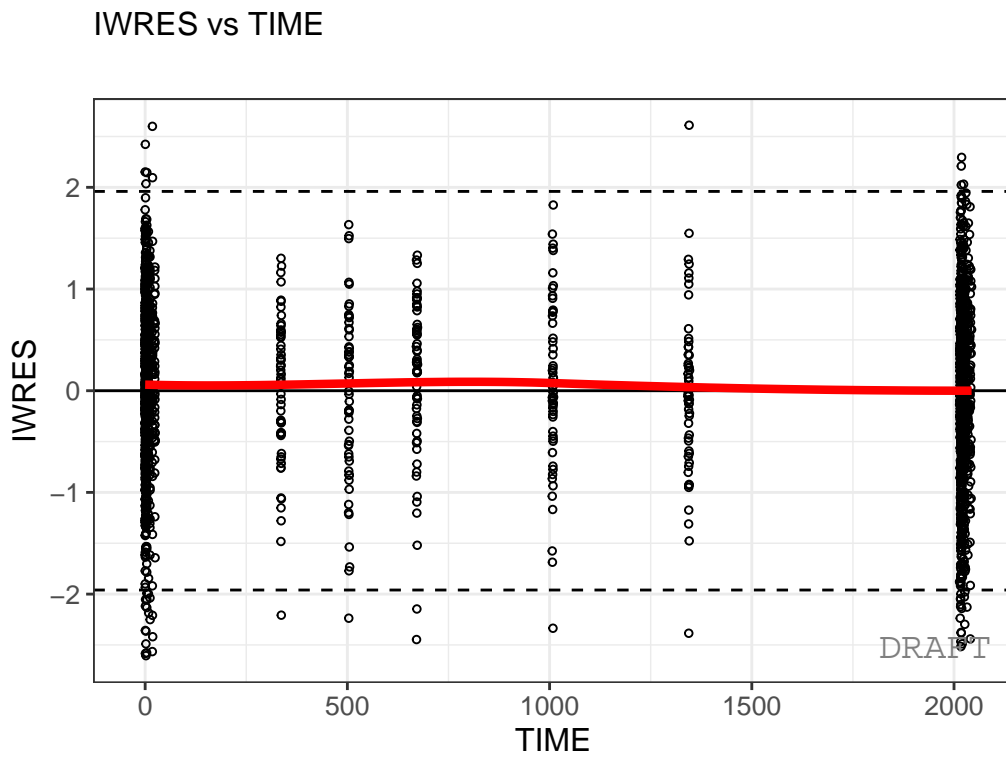
IWRES vs IPRED

IWRES vs IPRED



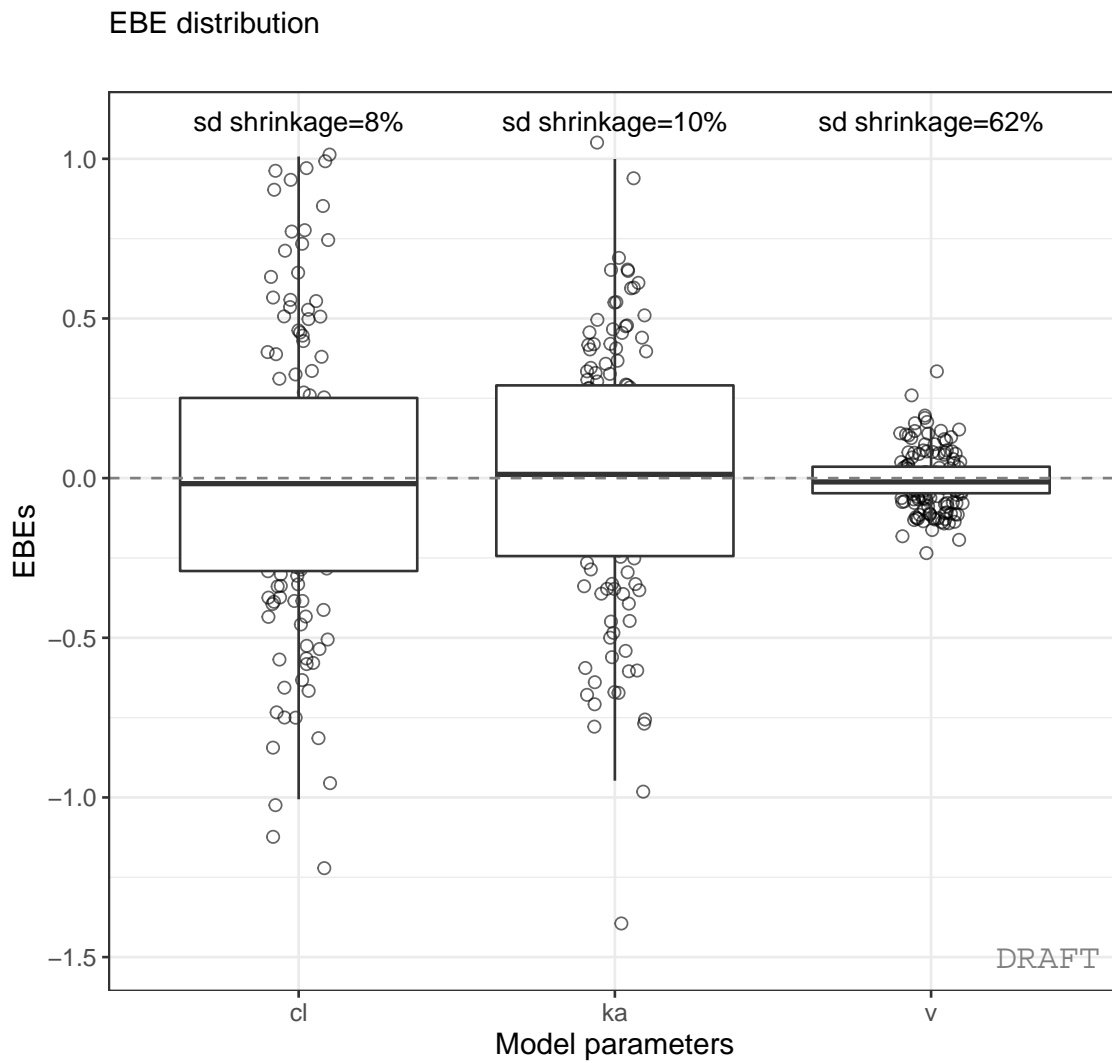
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ggpmx_GOF/iwres_ipred-3

IWRES vs TIME



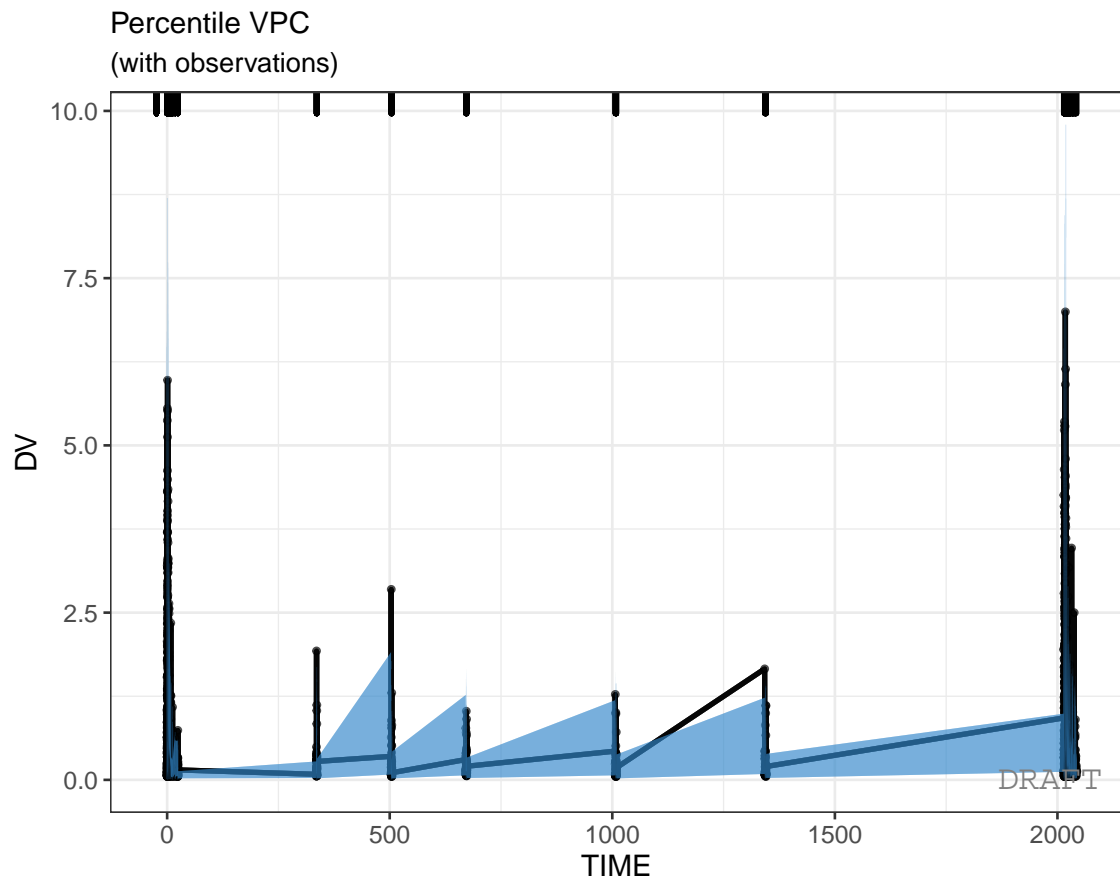
Source: /home/matt/src/nlmixr.examples/vignettes/
ggpmx_GOF/iwres_time-4

Distribution of random effects



Source: /home/matt/src/nlmixr.examples/vignettes/
ggpmx_GOF/eta_box-5

VPC

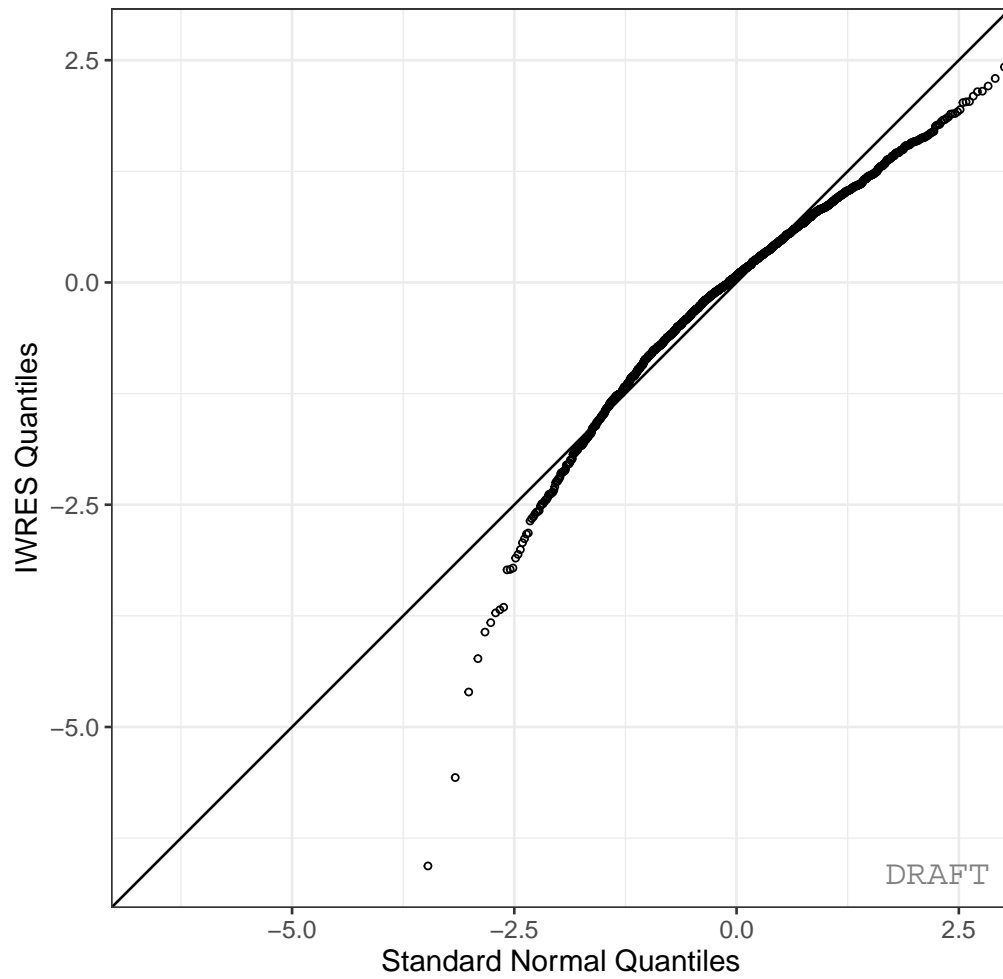


Source: /home/matt/src/nlmixr.examples/vignettes/
ggpmx_GOF/pmx_vpc-6

Supplementary diagnostics

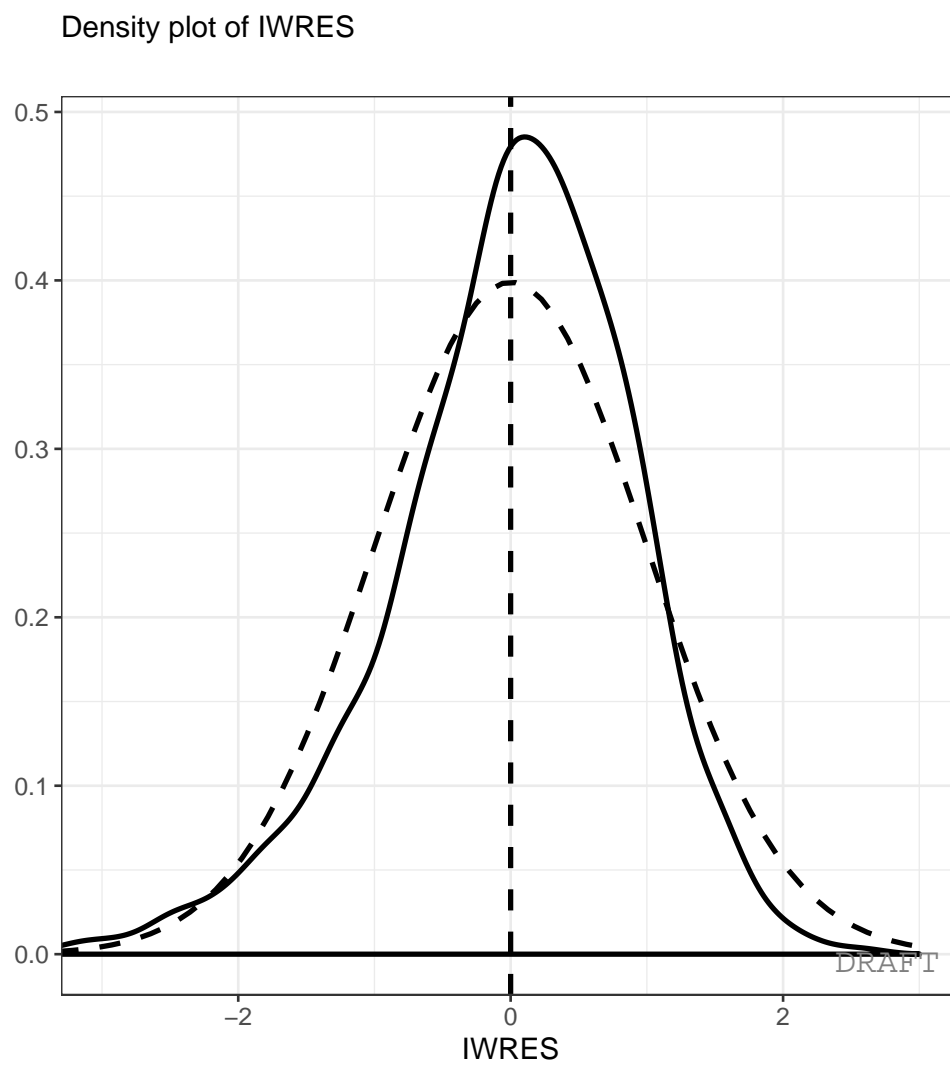
Distribution of IWRES

QQ plot of IWRES



Source: /home/matt/src/nlmixr.examples/vignettes/
ggpmx_GOF/iwres_qq-7

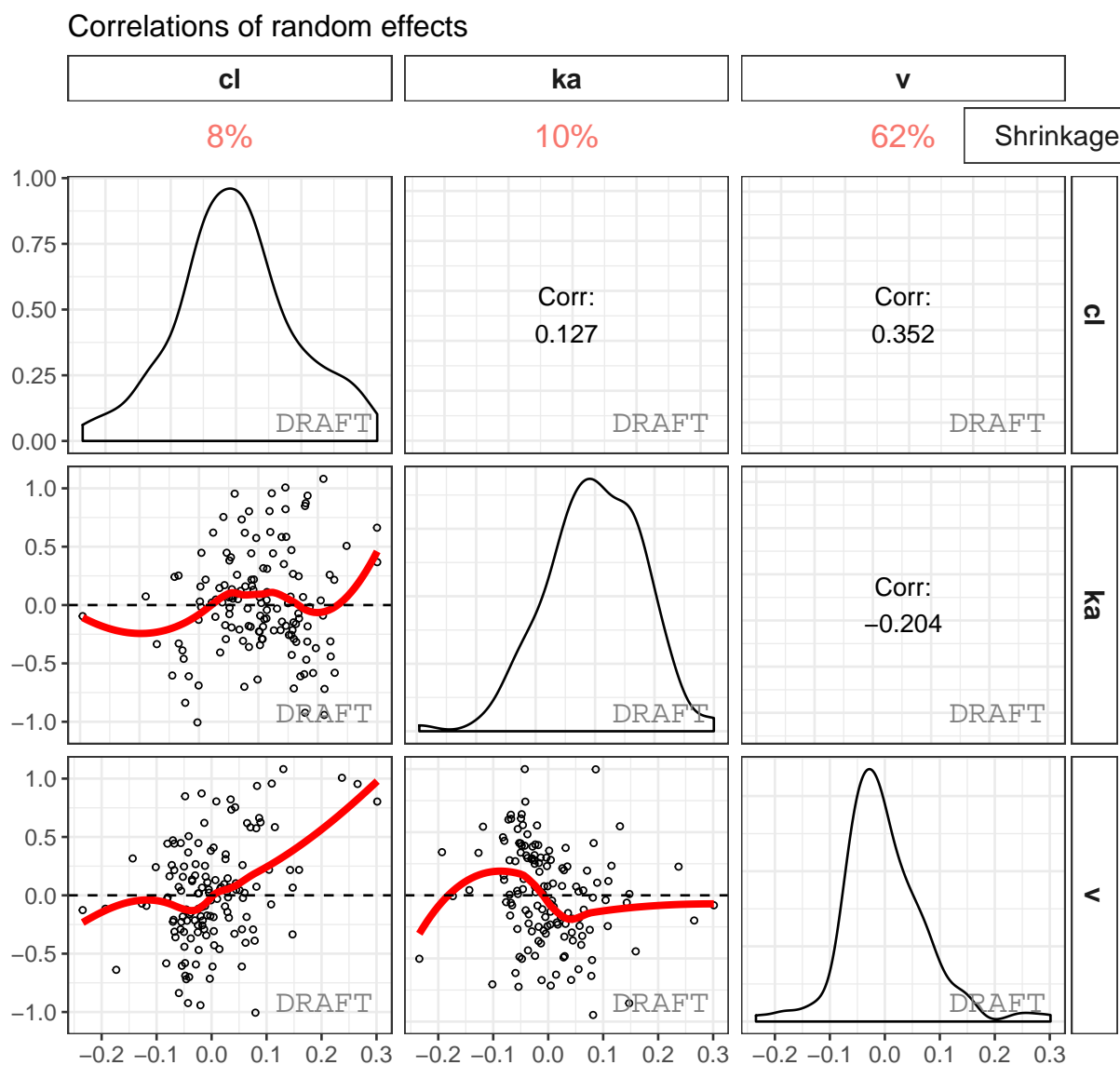
Distribution of IWRES



Source: /home/matt/src/nlmixr.examples/vignettes/
ggpmx_GOF/iwres_dens-8

EBE-based diagnostics

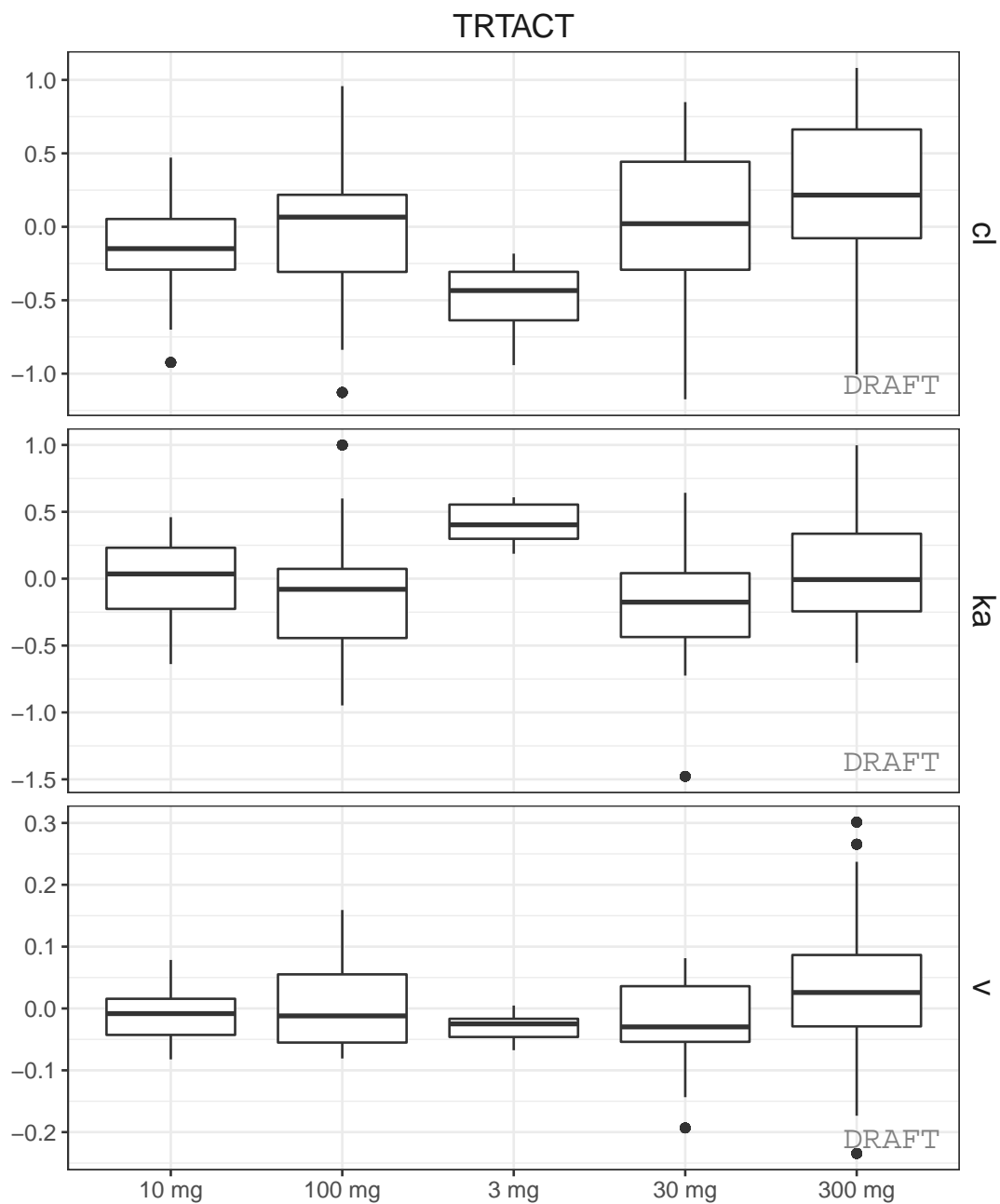
Distribution and correlation of EBEs



Source: /home/matt/src/nlmixr.examples/vignettes/
ggpmx_GOF/eta_matrix-9

EBE vs discrete covariates

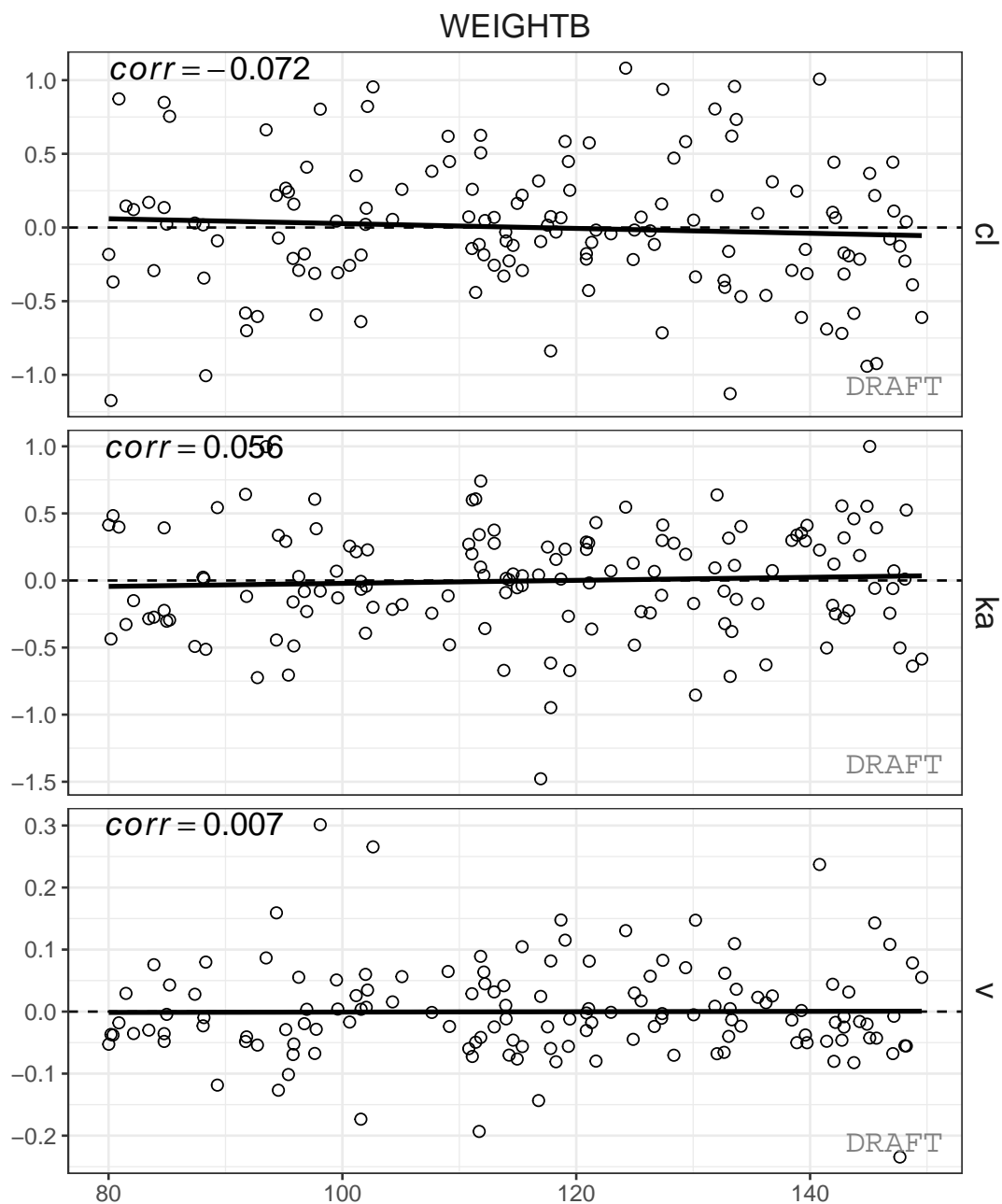
EBE vs. covariates



Source: /home/matt/src/nlmixr.examples/vignettes/
ggpmx_GOF/eta_cats-10

EBE vs continuous covariates

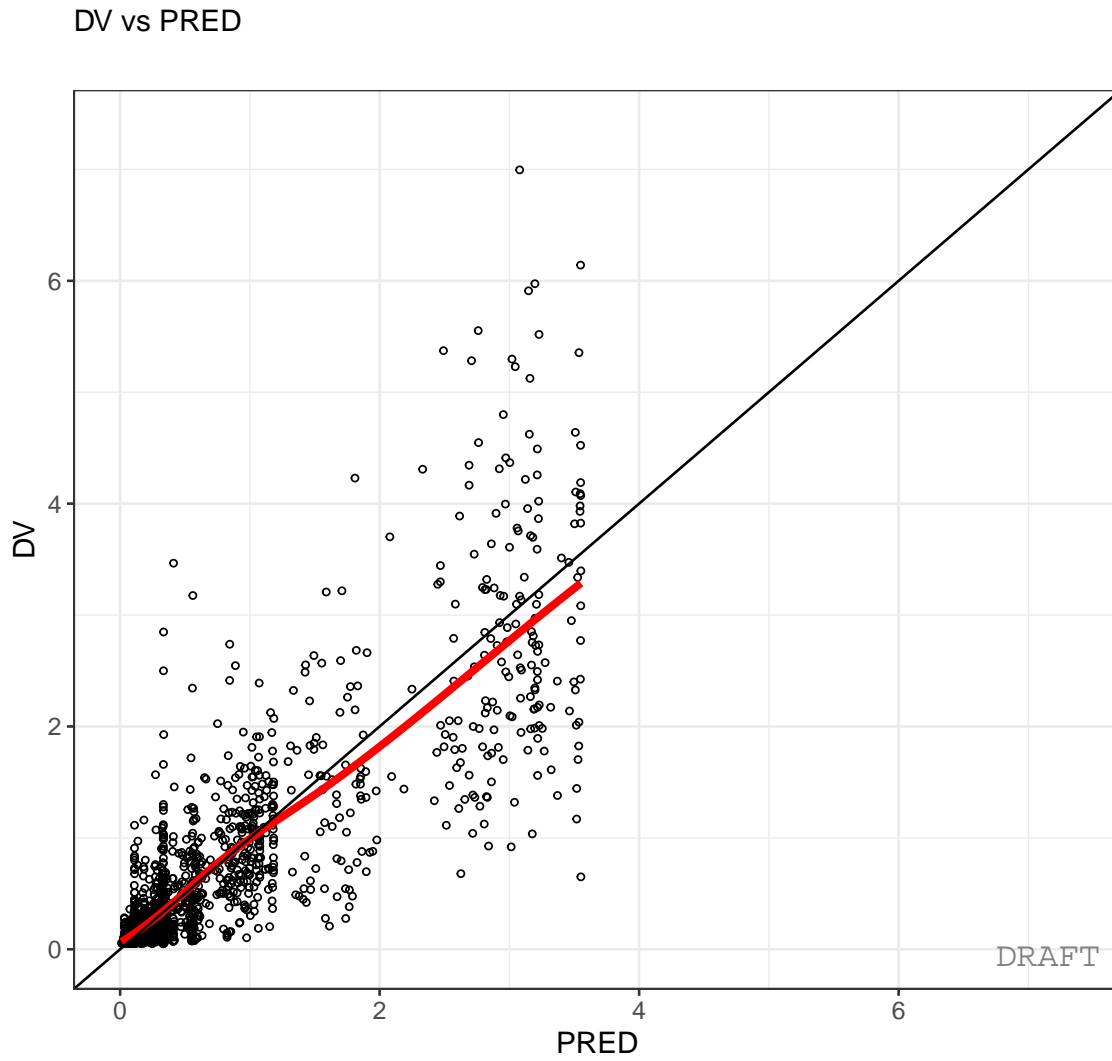
EBE vs. covariates



Source: /home/matt/src/nlmixr.examples/vignettes/
ggpmx_GOF/eta_conts-11

Observations vs predictions

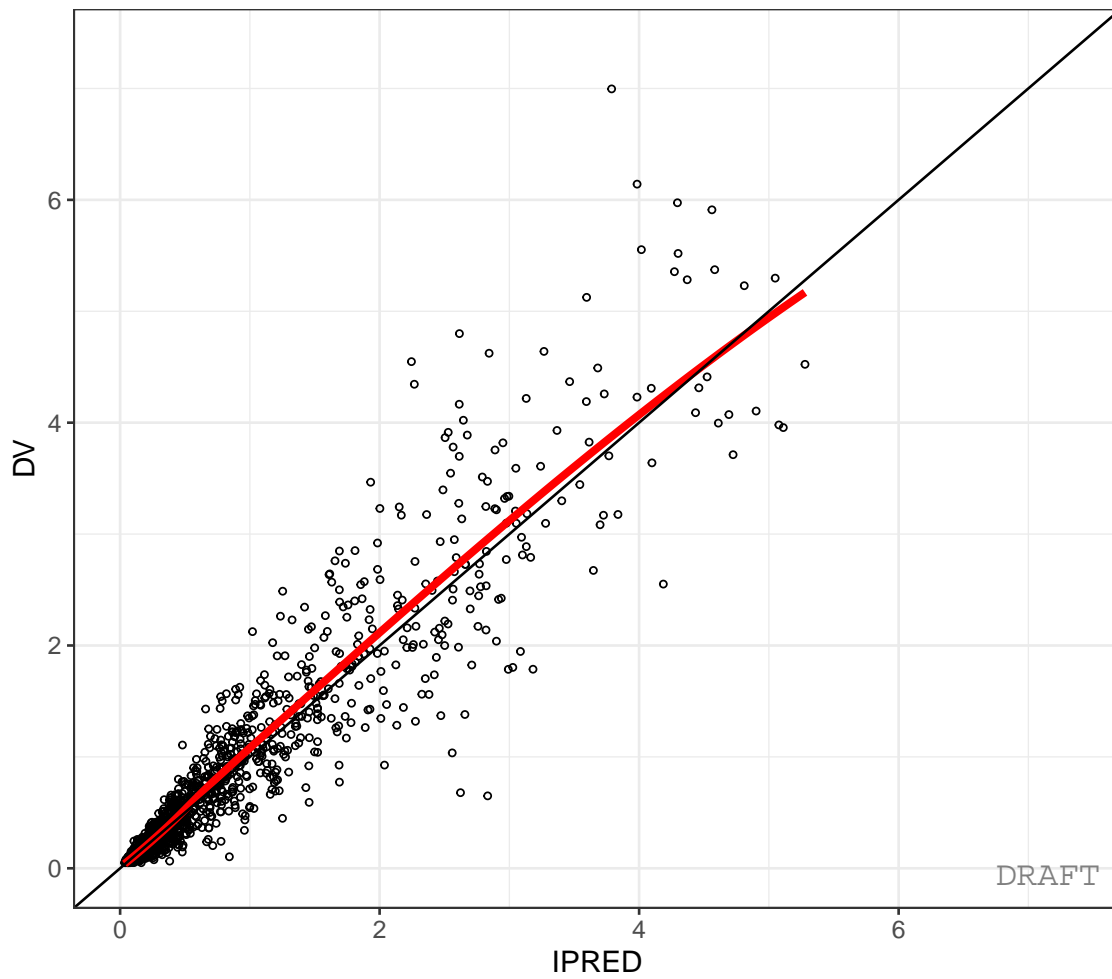
DV vs PRED



Source: /home/matt/src/nlmixr.examples/vignettes/
ggpmx_GOF/dv_pred-12

DV vs IPRED

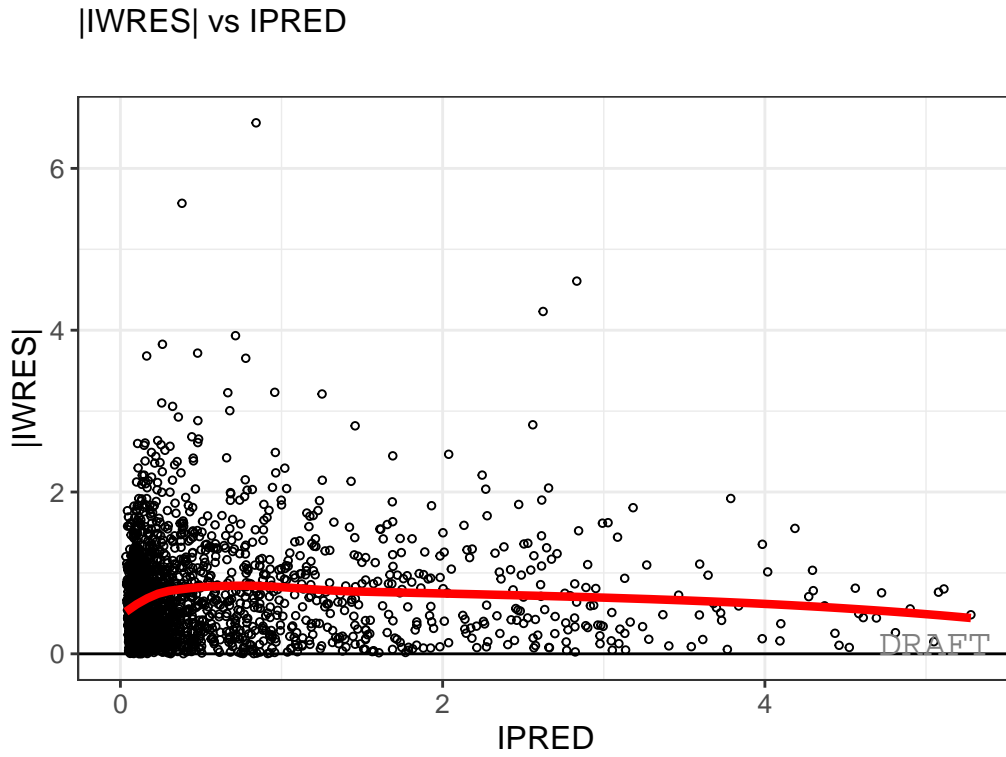
DV vs IPRED



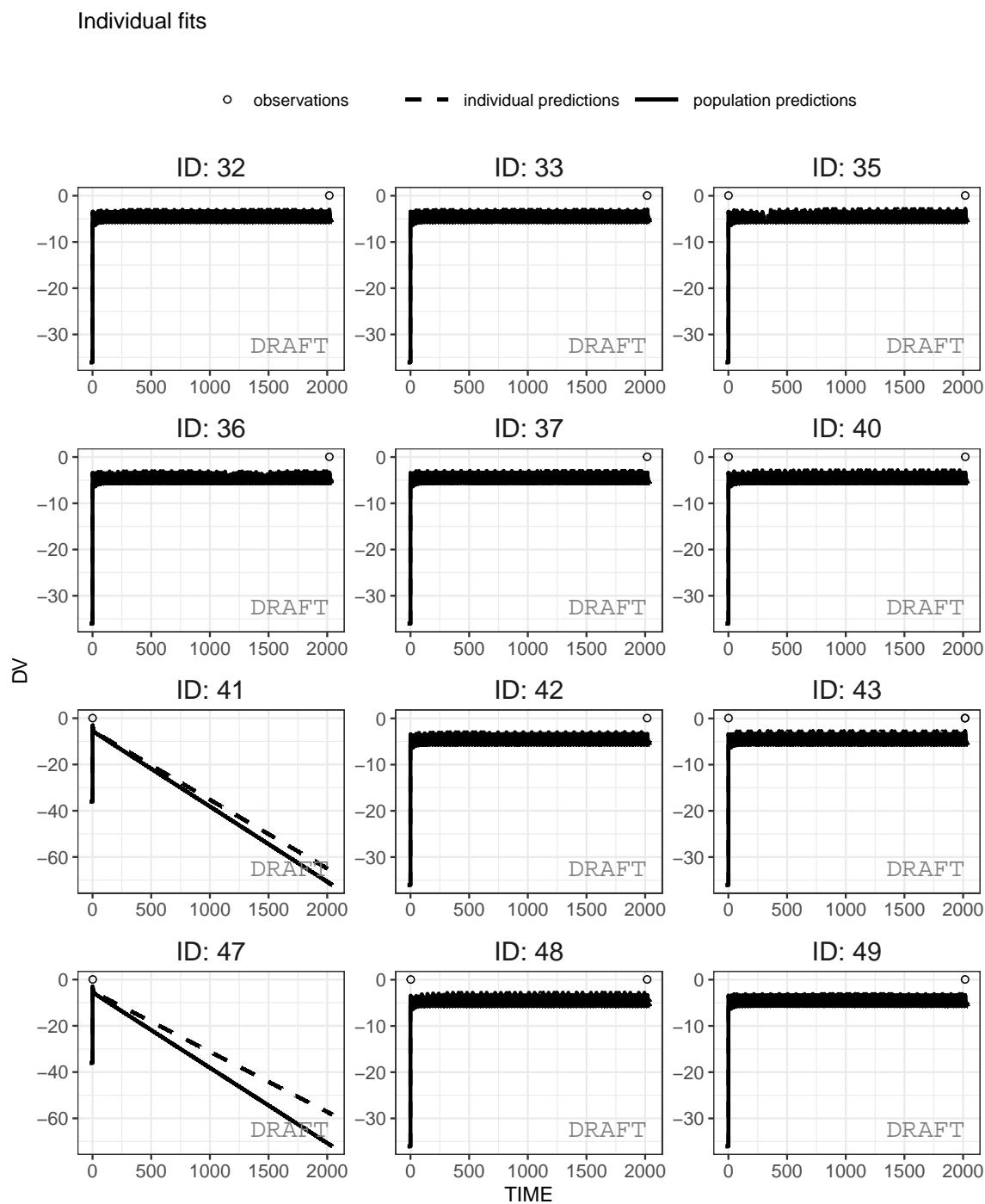
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ggpmx_GOF/dv_ipred-13

Residual plots

|IWRES| vs IPRED



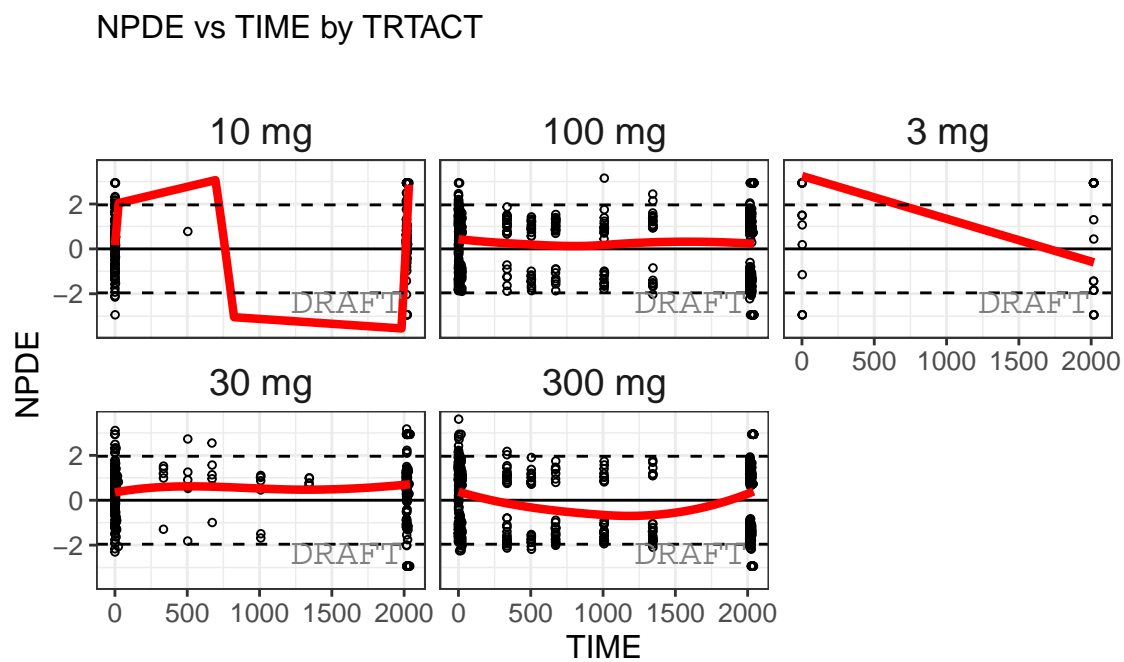
Individual plots (selection)



Source: /home/matt/src/nlmixr.examples/vignettes/
ggpmx_GOF/indiv-15

Stratified key diagnostics

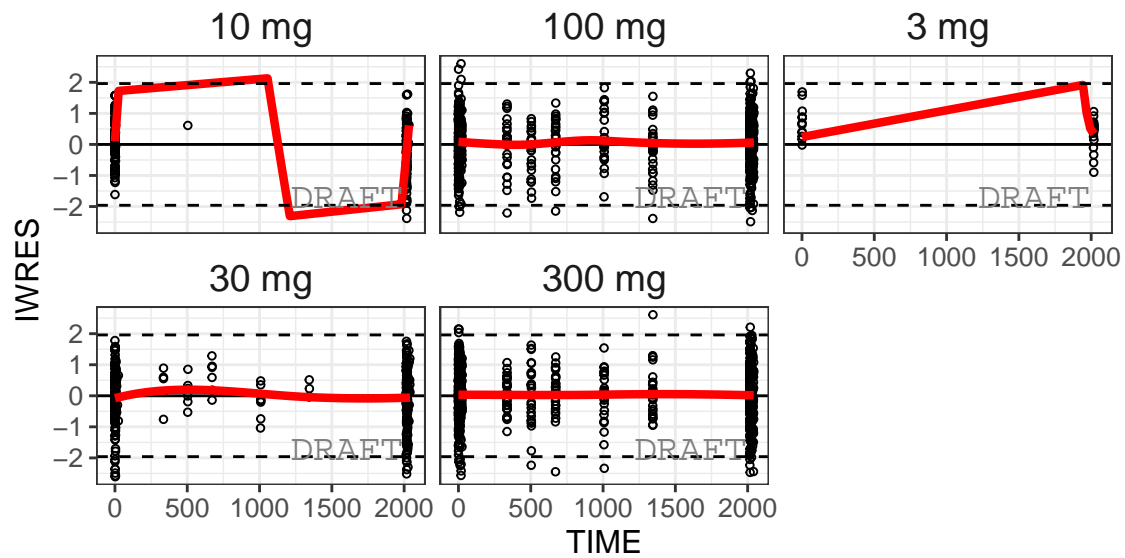
NPDE vs TIME by categorical covariates



Source: /home/matt/src/nlmixr.examples/vignettes/
ggpmx_GOF/npde_time-16

IWRES vs TIME by categorical covariates

IWRES vs TIME by TRTACT



Source: /home/matt/src/nlmixr.examples/vignettes/
ggpmx_GOF/iwres_time-17

VPC by categorical covariates

