

ggPMX standing report

/home/matt/src/nlmixr/vignettes

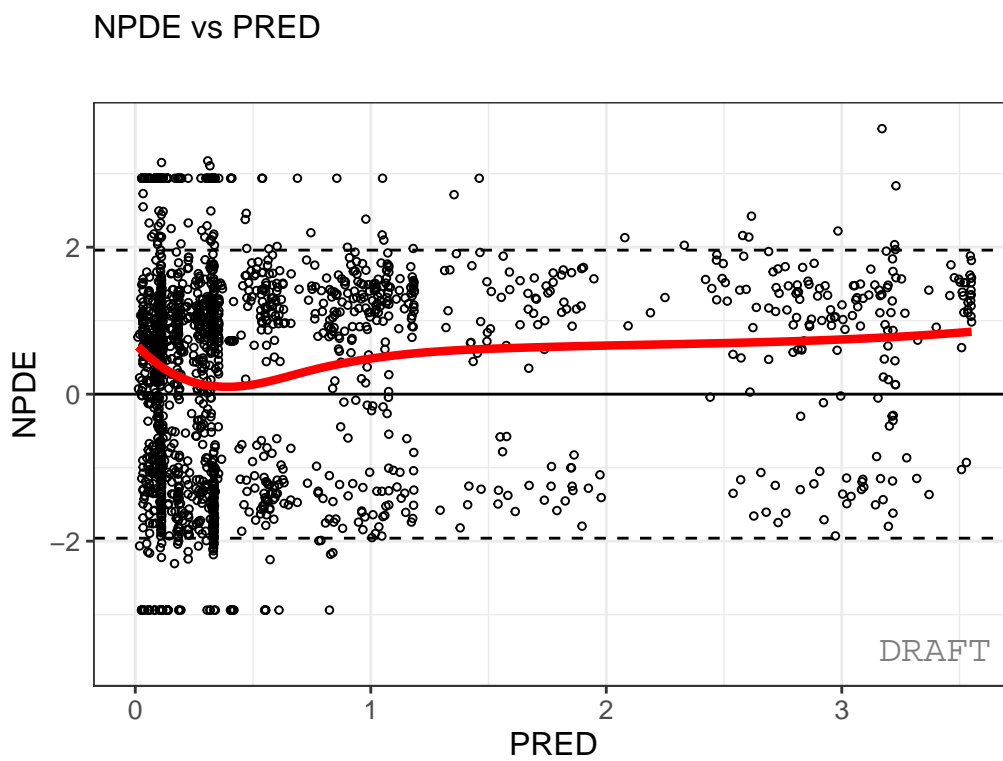
18 October, 2019

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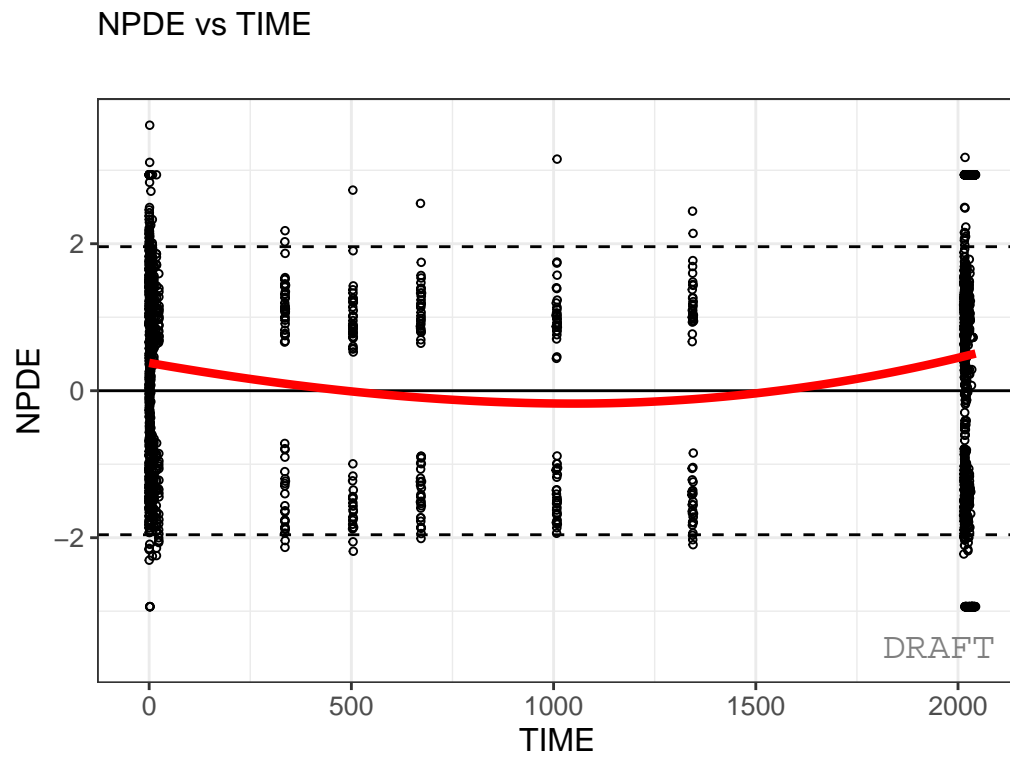
Key model diagnostics

NPDE vs PRED



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

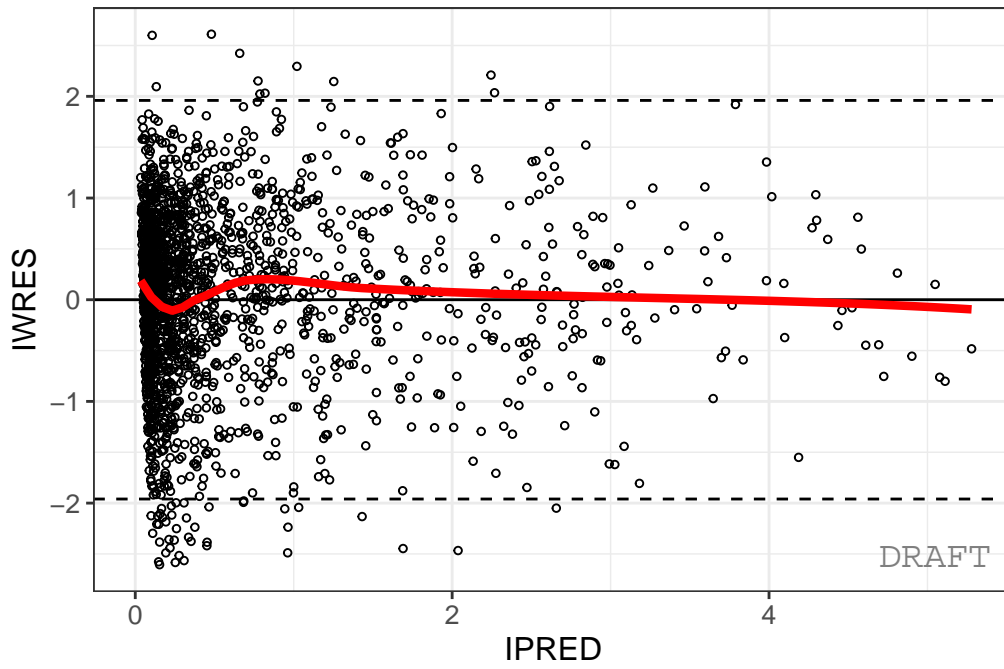
NPDE vs TIME



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

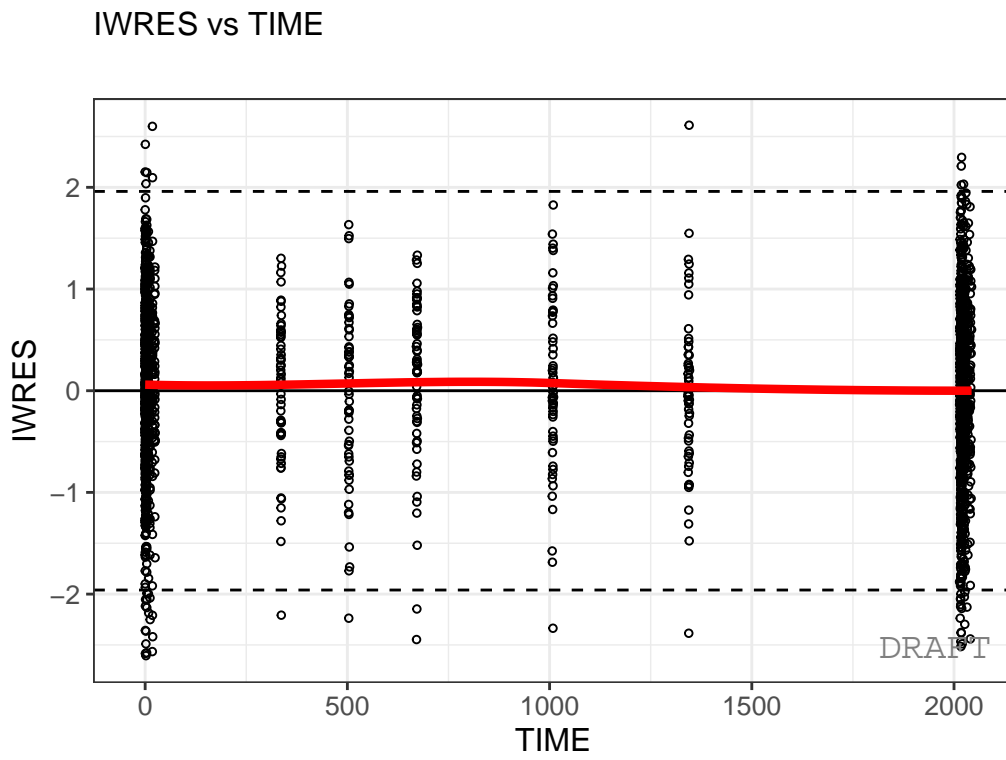
IWRES vs IPRED

IWRES vs IPRED



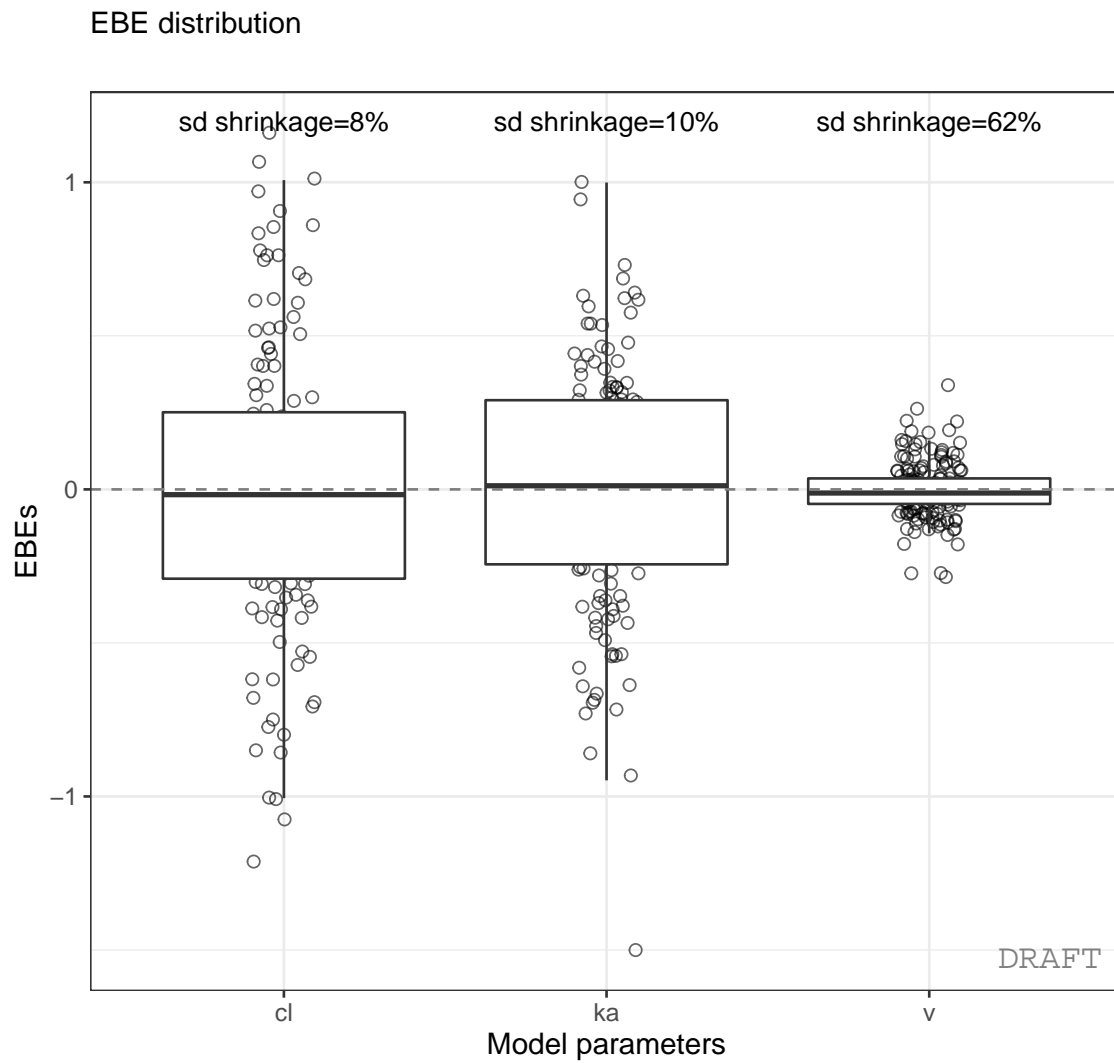
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iwres_ipred-3

IWRES vs TIME

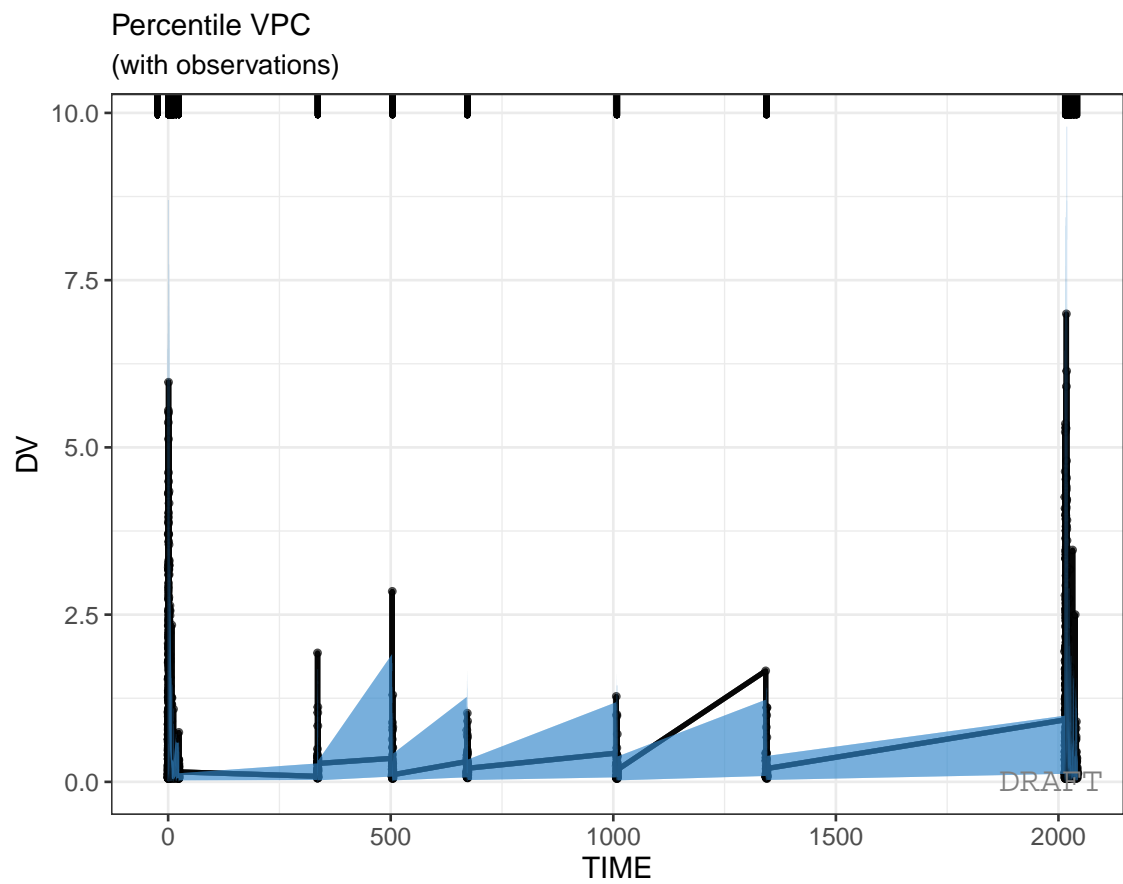


Source: /home/matt/src/nlmixr/vignettes/ggpmx_GOF/
iwres_time-4

Distribution of random effects



VPC

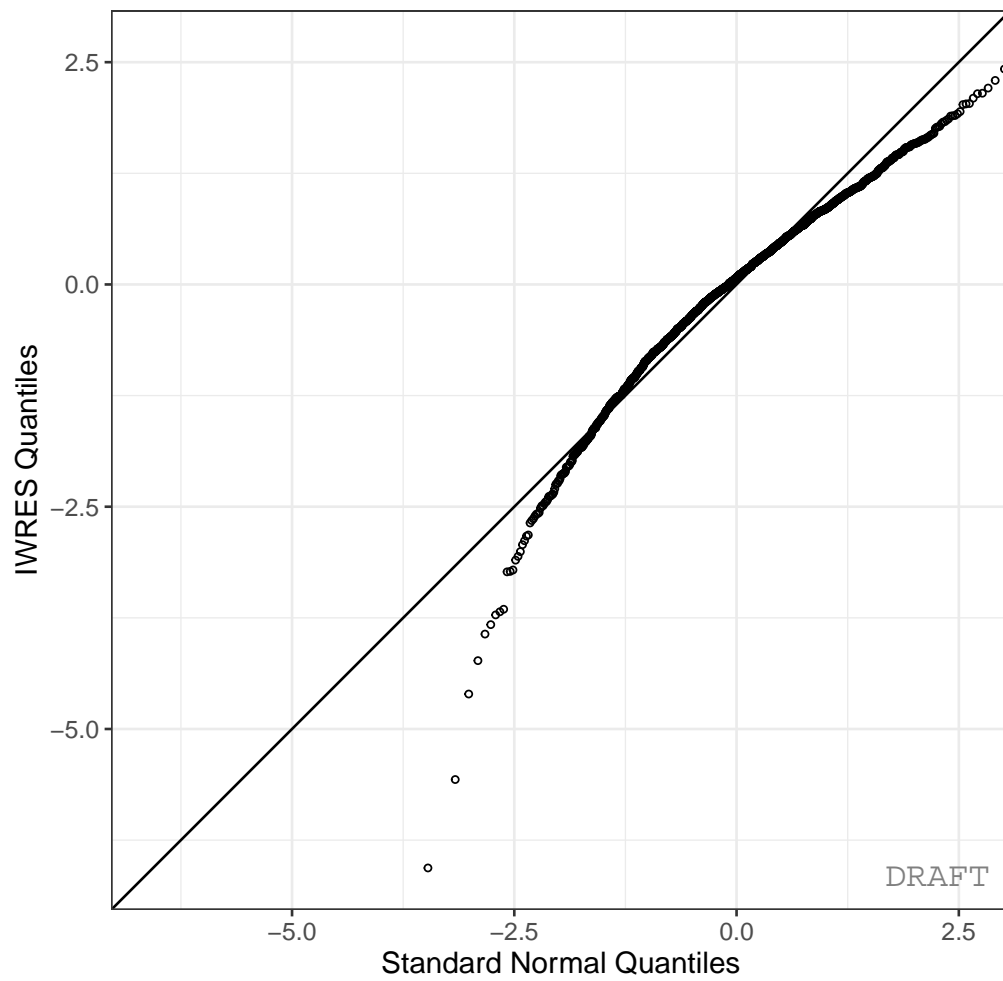


Source: /home/matt/src/nlmixr/vignettes/ggpmx_GOF/
pmx_vpc-6

Supplementary diagnostics

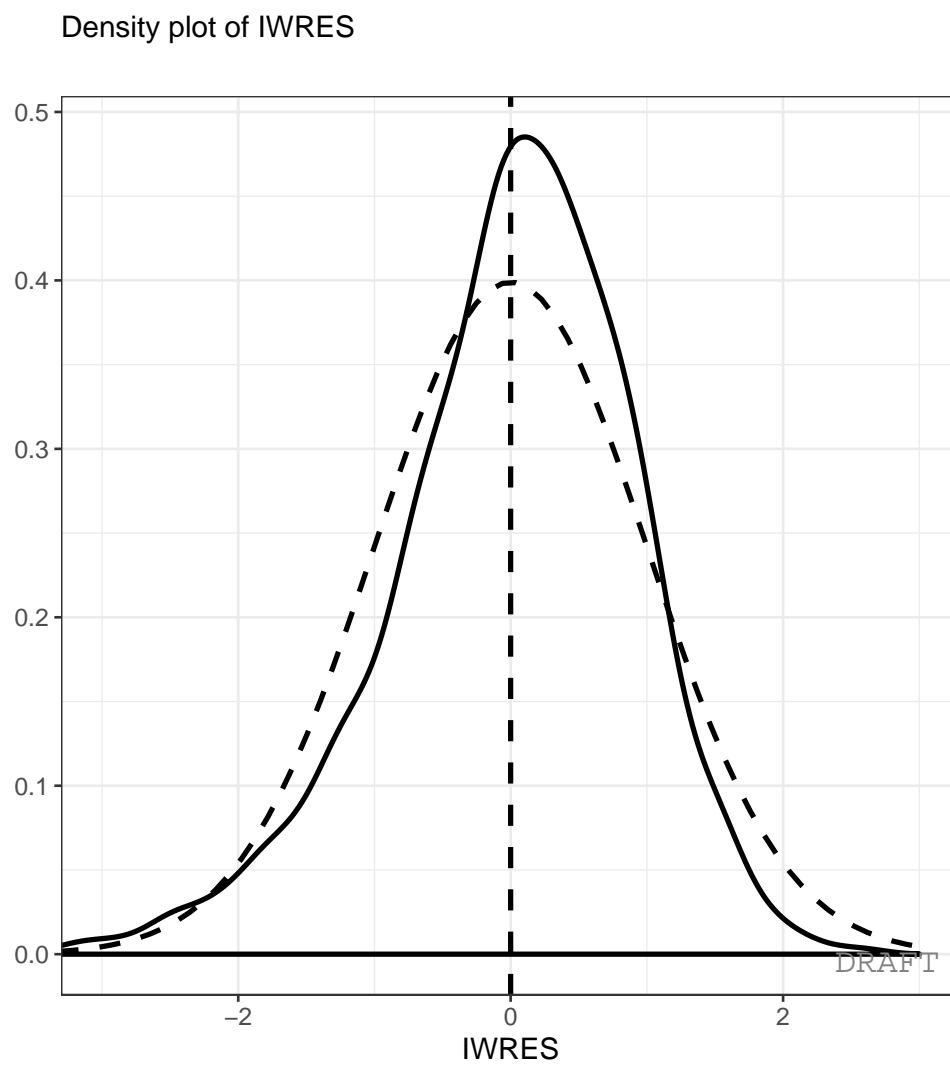
Distribution of IWRES

QQ plot of IWRES



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

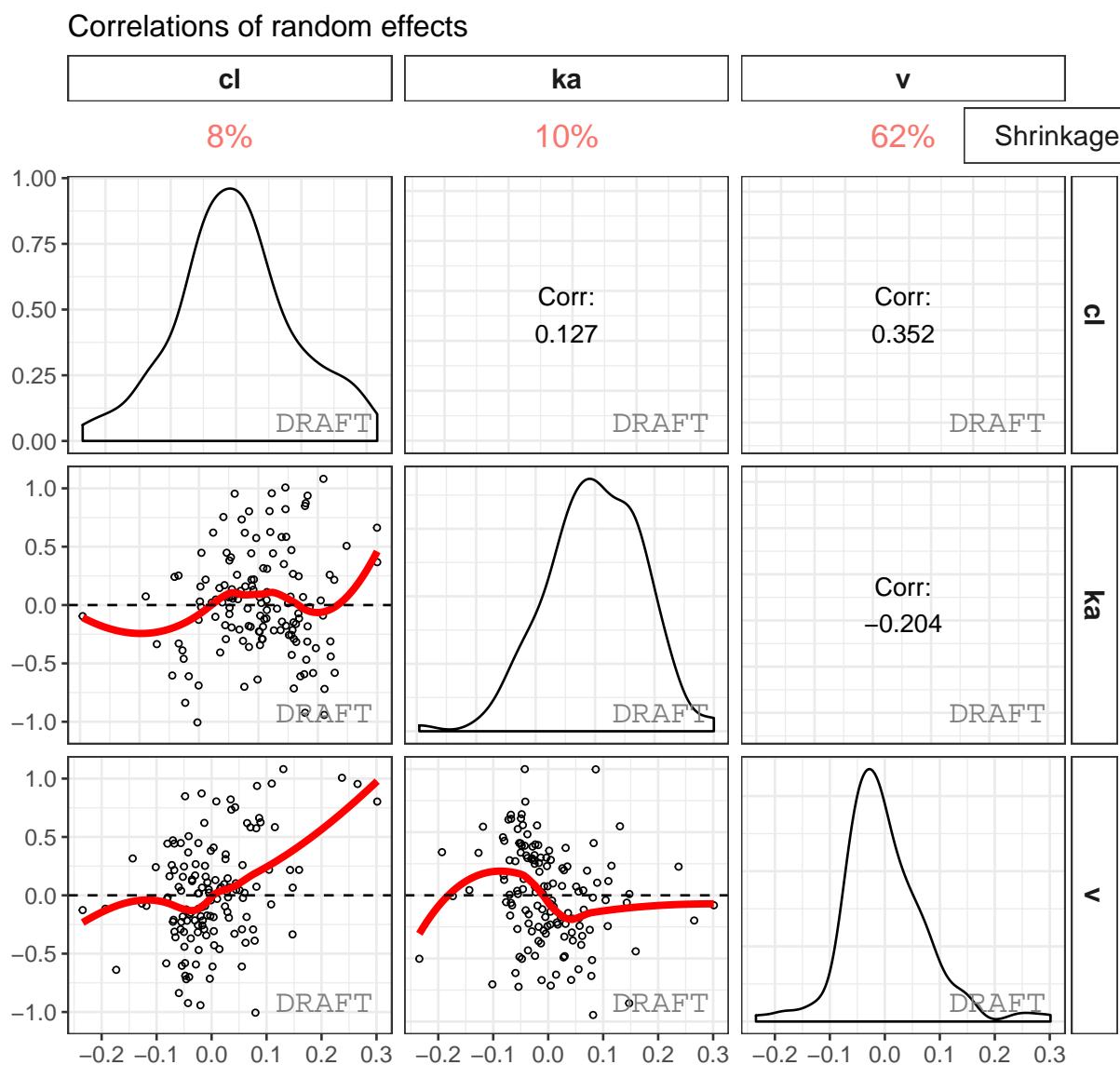
Distribution of IWRES



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

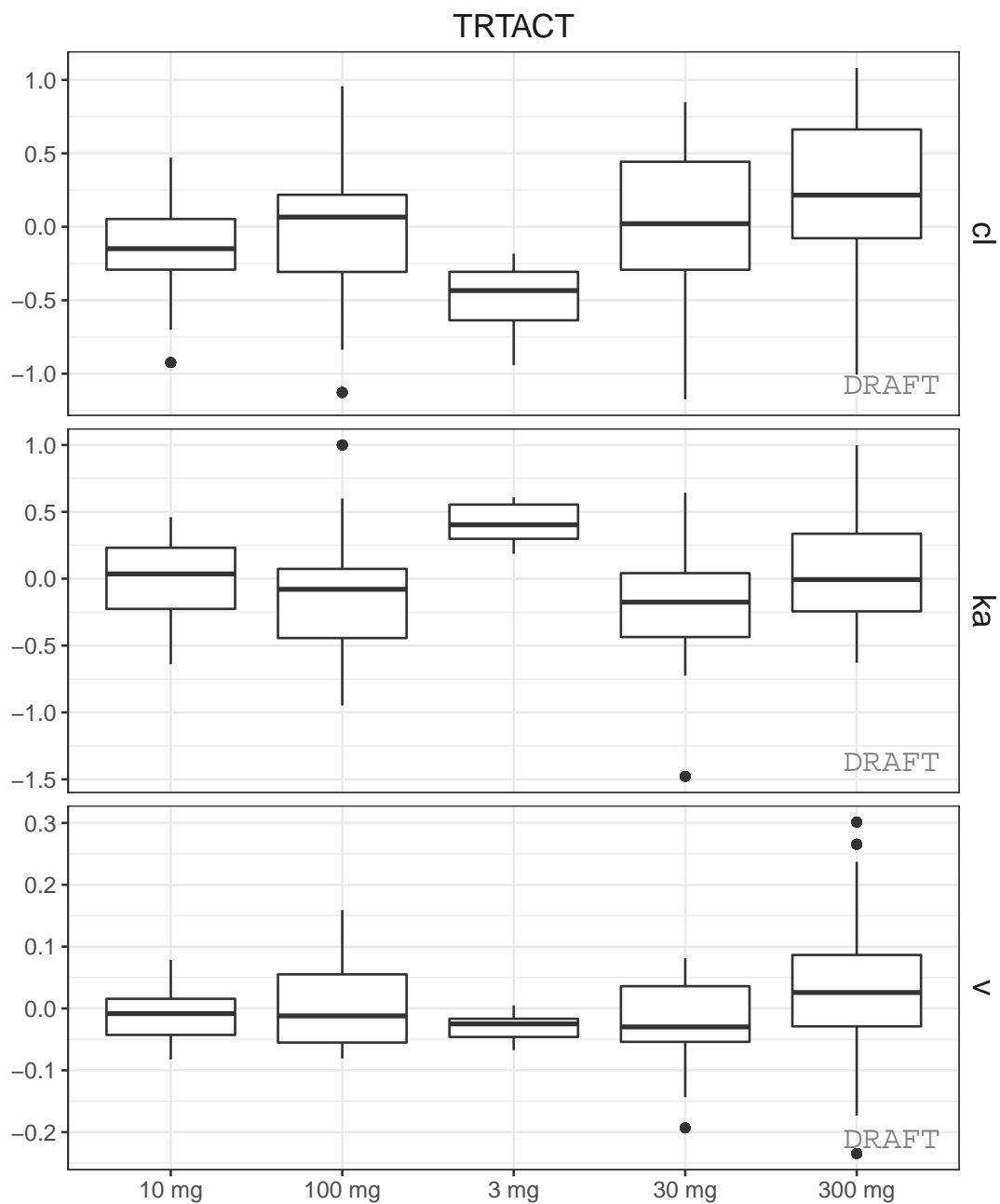
EBE-based diagnostics

Distribution and correlation of EBEs



EBE vs discrete covariates

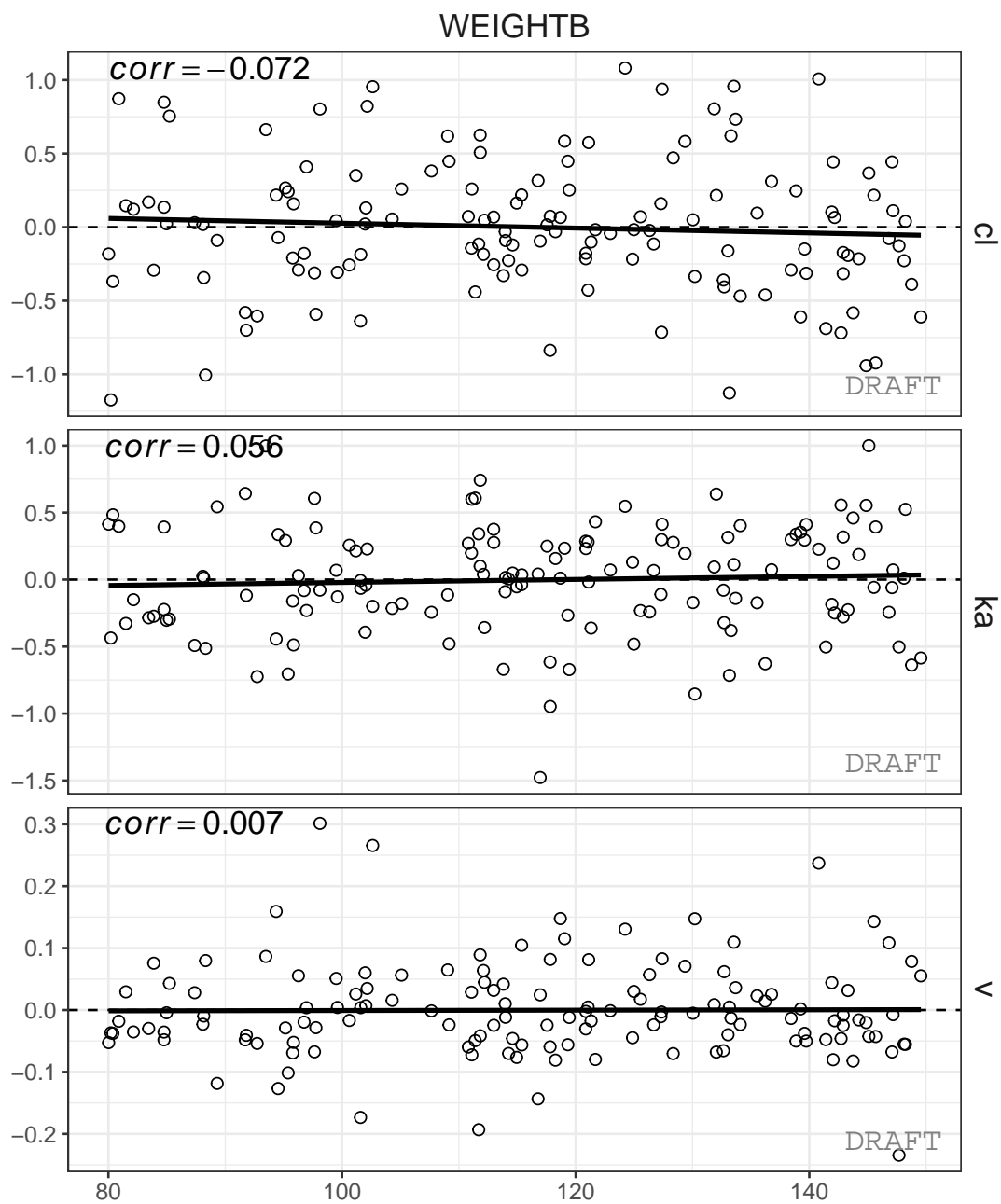
EBE vs. covariates



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

EBE vs continuous covariates

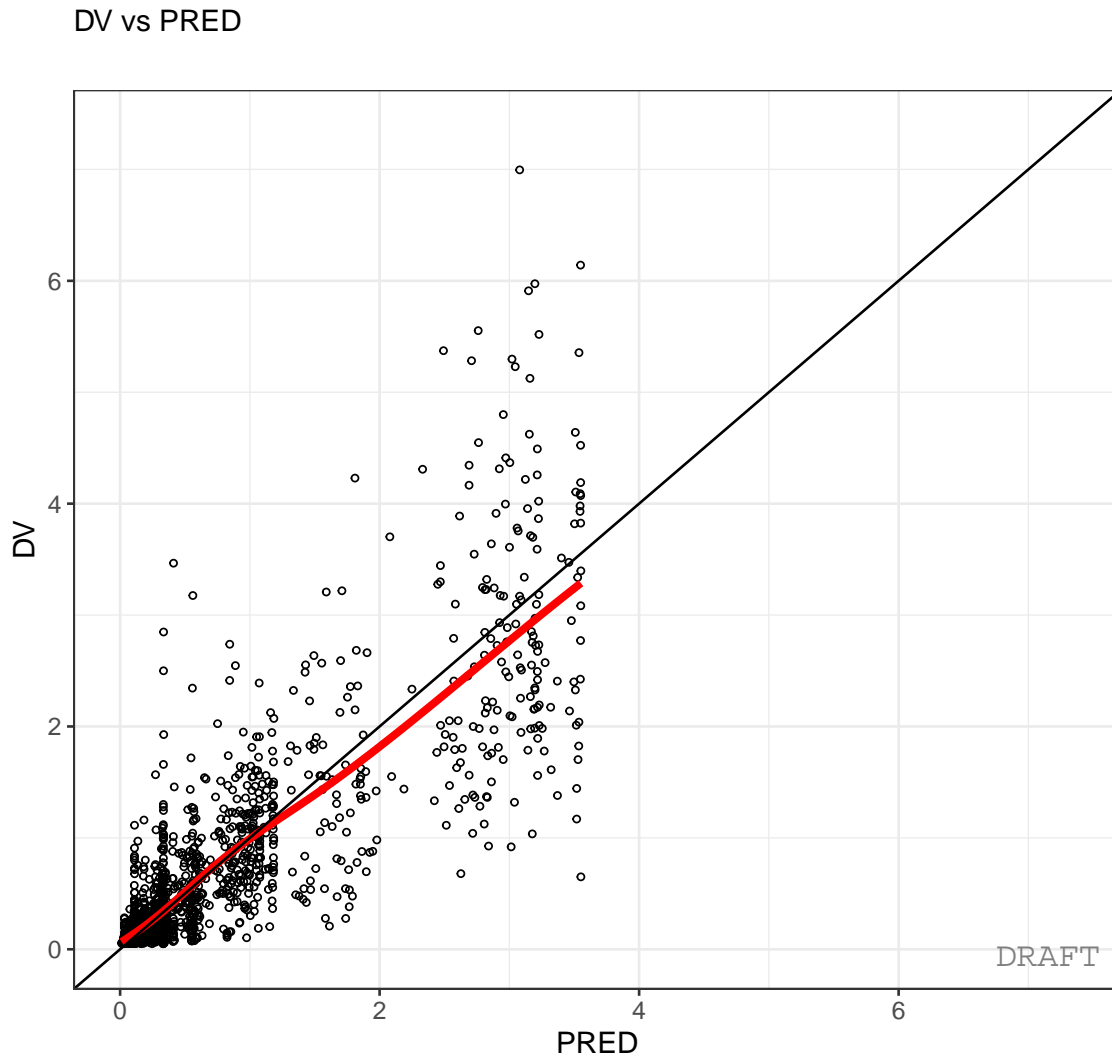
EBE vs. covariates



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

Observations vs predictions

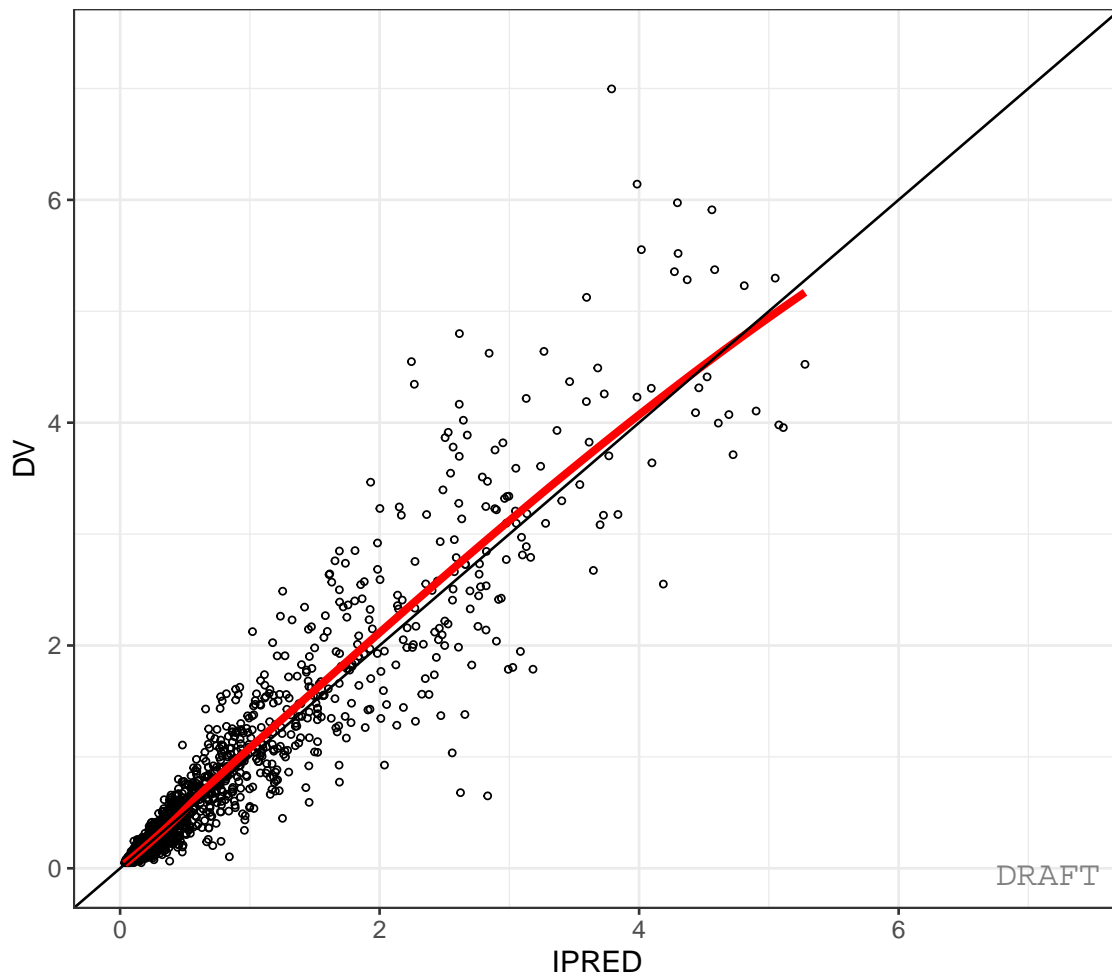
DV vs PRED



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

DV vs IPRED

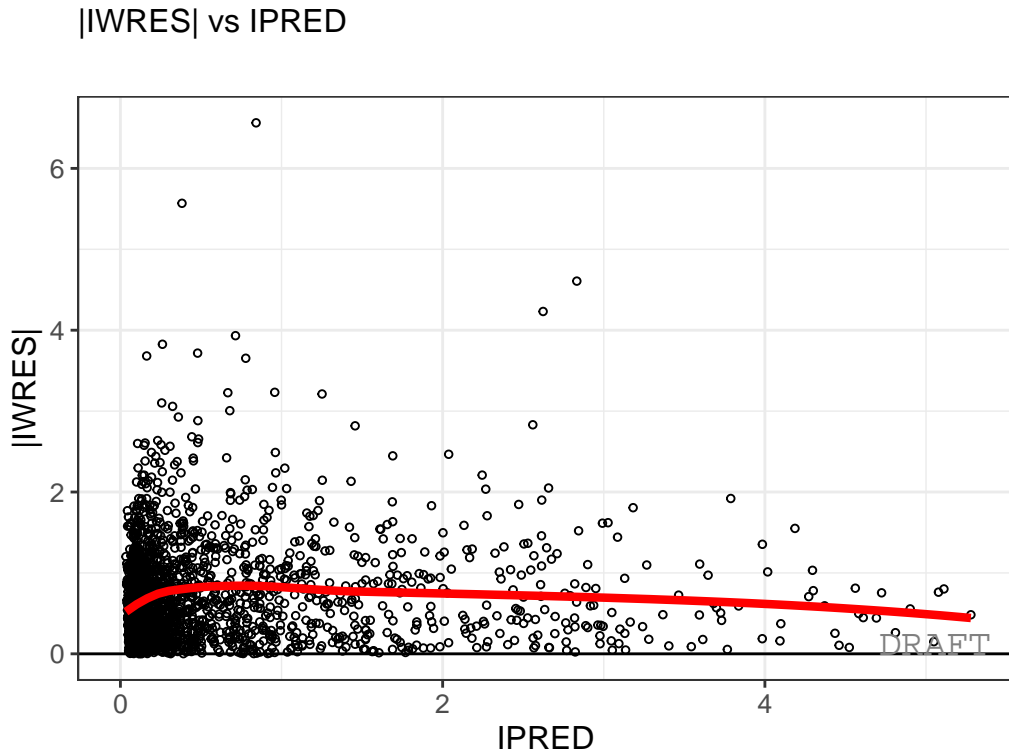
DV vs IPRED



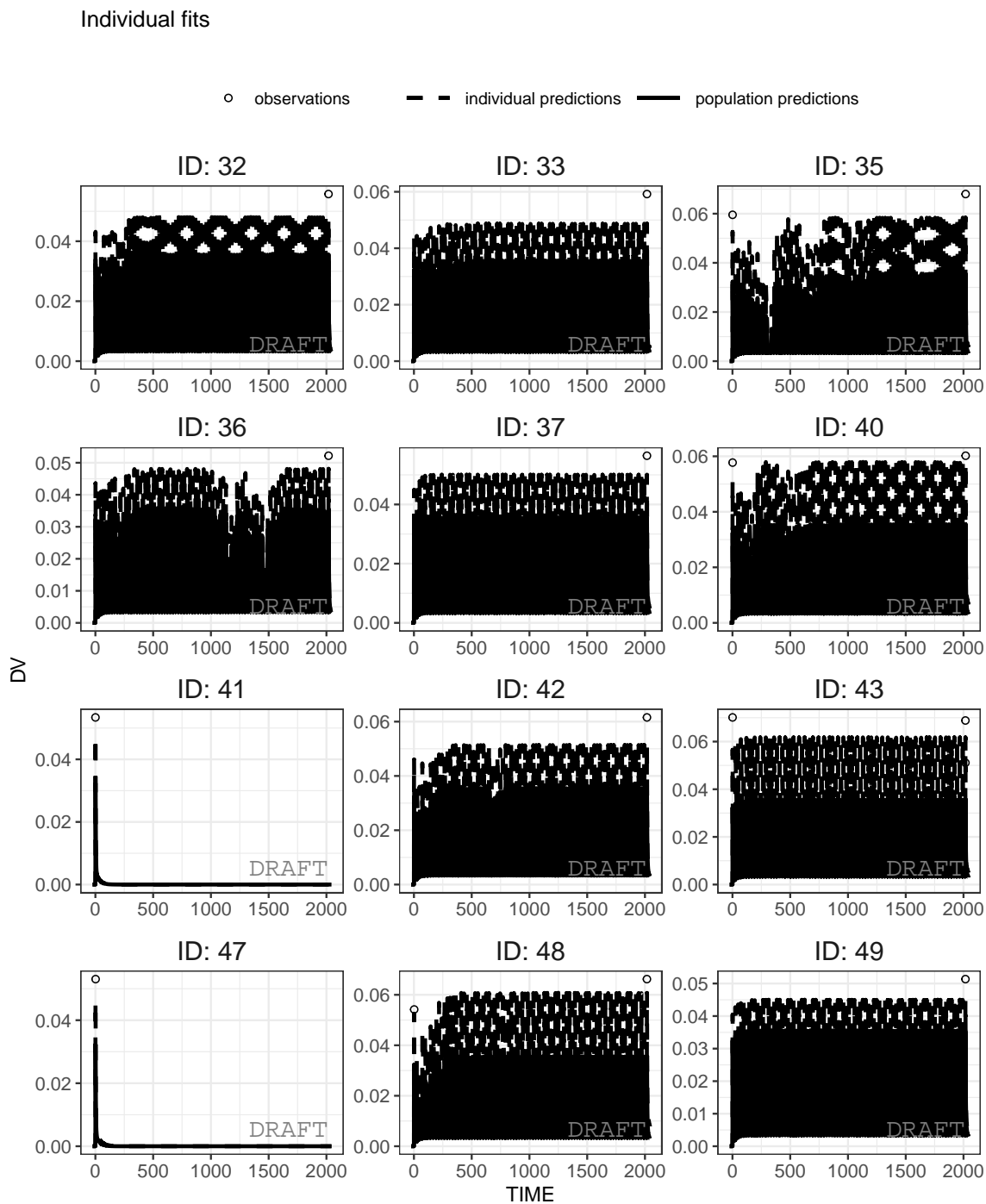
Source: /home/matt/src/nlmixr/vignettes/ggpmx_GOF/
dv_ipred-13

Residual plots

$|IWRES|$ vs IPRED

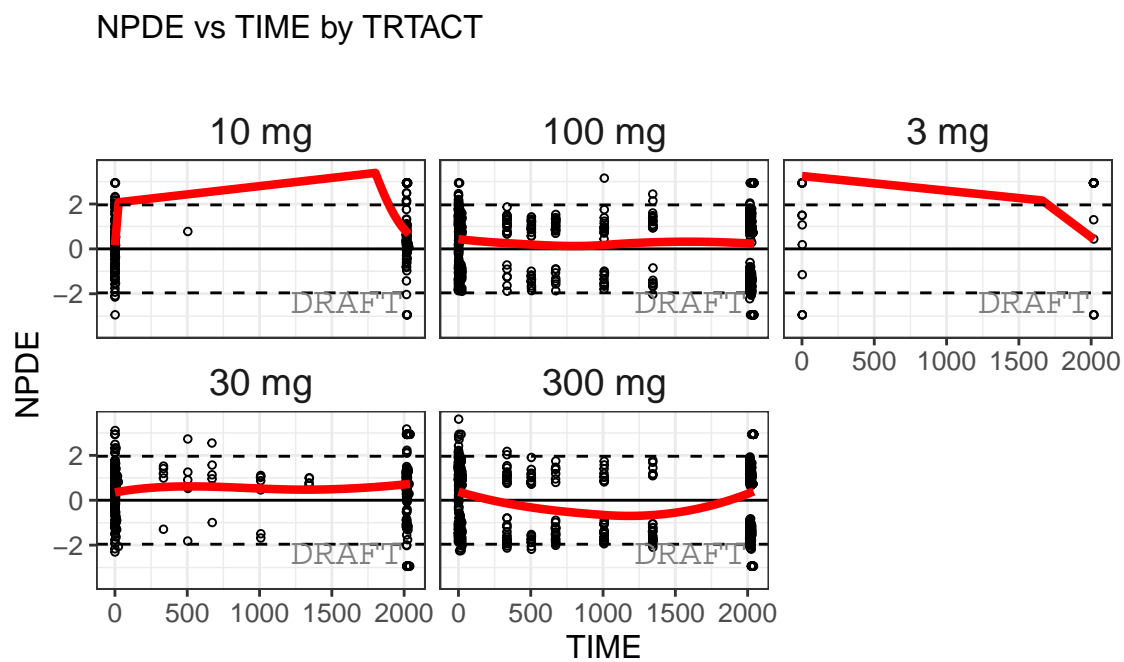


Individual plots (selection)



Stratified key diagnostics

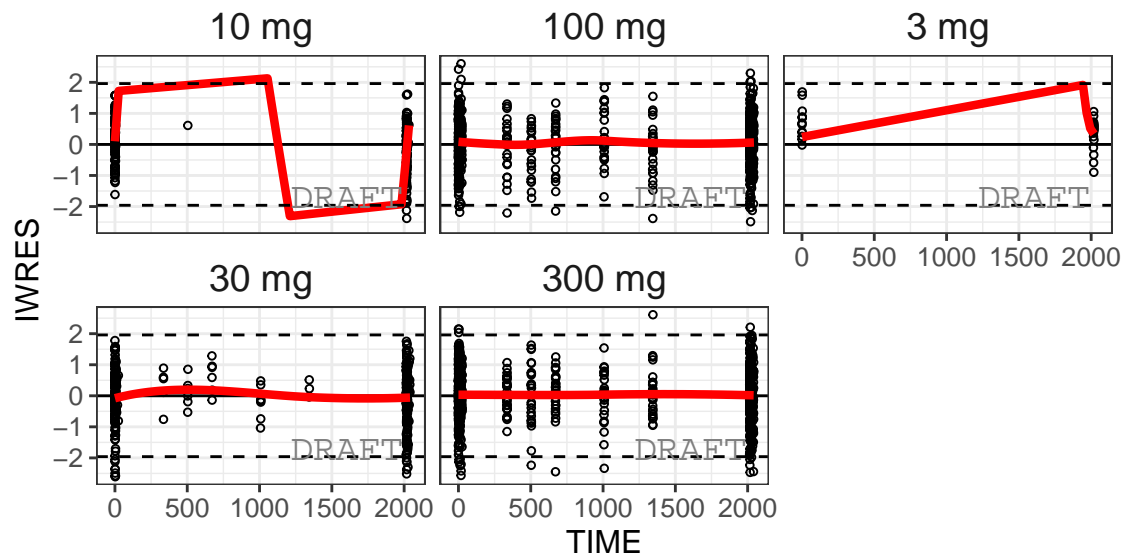
NPDE vs TIME by categorical covariates



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

IWRES vs TIME by categorical covariates

IWRES vs TIME by TRTACT



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

VPC by categorical covariates

