

**Figure S3.** Visual predictive check of the final covariate pharmacokinetic model. Dots represent prediction-corrected data. Solid black lines indicate observed median values, and dashed black lines indicate 5th and 95th percentiles of the observed data. Shaded areas indicate the 95% CIs around the prediction-corrected median values indicated by the solid blue line and 5th and 95th percentiles of the prediction indicated by red dashed lines.

