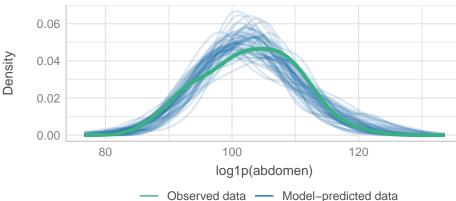
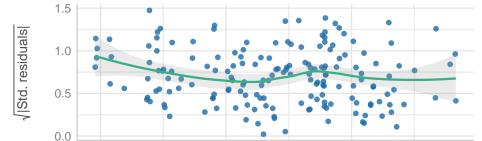
# Posterior Predictive Check Model–predicted lines should resemble observed data line 0.06



## Homogeneity of Variance Reference line should be flat and horizontal

4.5



4.6

Fitted values

4.7

## Collinearity

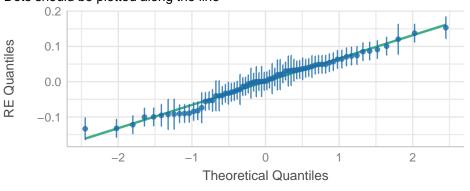
High collinearity (VIF) may inflate parameter uncertainty



Low (< 5)

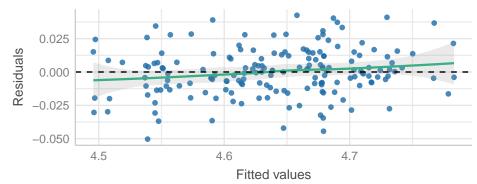
# Normality of Random Effects (record\_id)

Dots should be plotted along the line



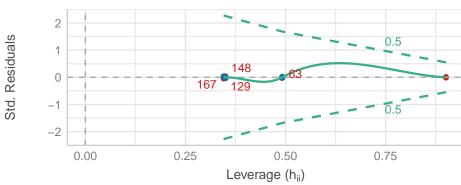
#### Linearity

Reference line should be flat and horizontal



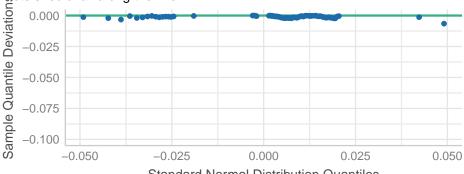
#### Influential Observations

Points should be inside the contour lines



## Normality of Residuals

Dots should fall along the line



Standard Normal Distribution Quantiles