Posterior Predictive Check Model-predicted lines should resemble observed data line 0.06 0.04 Density 0.02 0.00 80 90 100 110 120 130 log1p(abdomen) Observed data — Model-predicted data

Homogeneity of Variance Reference line should be flat and horizontal

1.6 √|Std. residuals 1.2 0.8 0.4 0.0 4.5 4.6 4.7

Fitted values

Collinearity

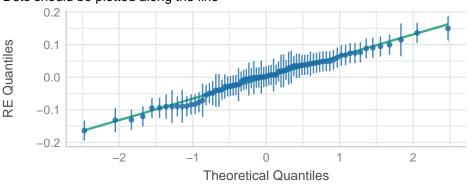
High collinearity (VIF) may inflate parameter uncertainty



Low (< 5)

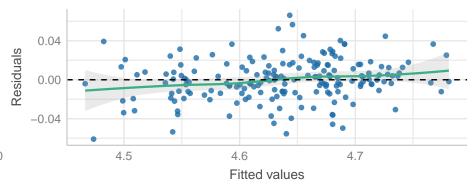
Normality of Random Effects (record_id)

Dots should be plotted along the line



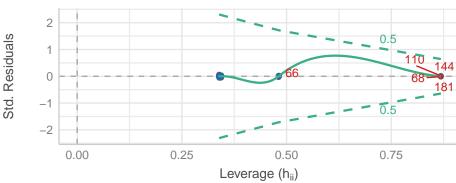
Linearity

Reference line should be flat and horizontal



Influential Observations

Points should be inside the contour lines



Normality of Residuals

