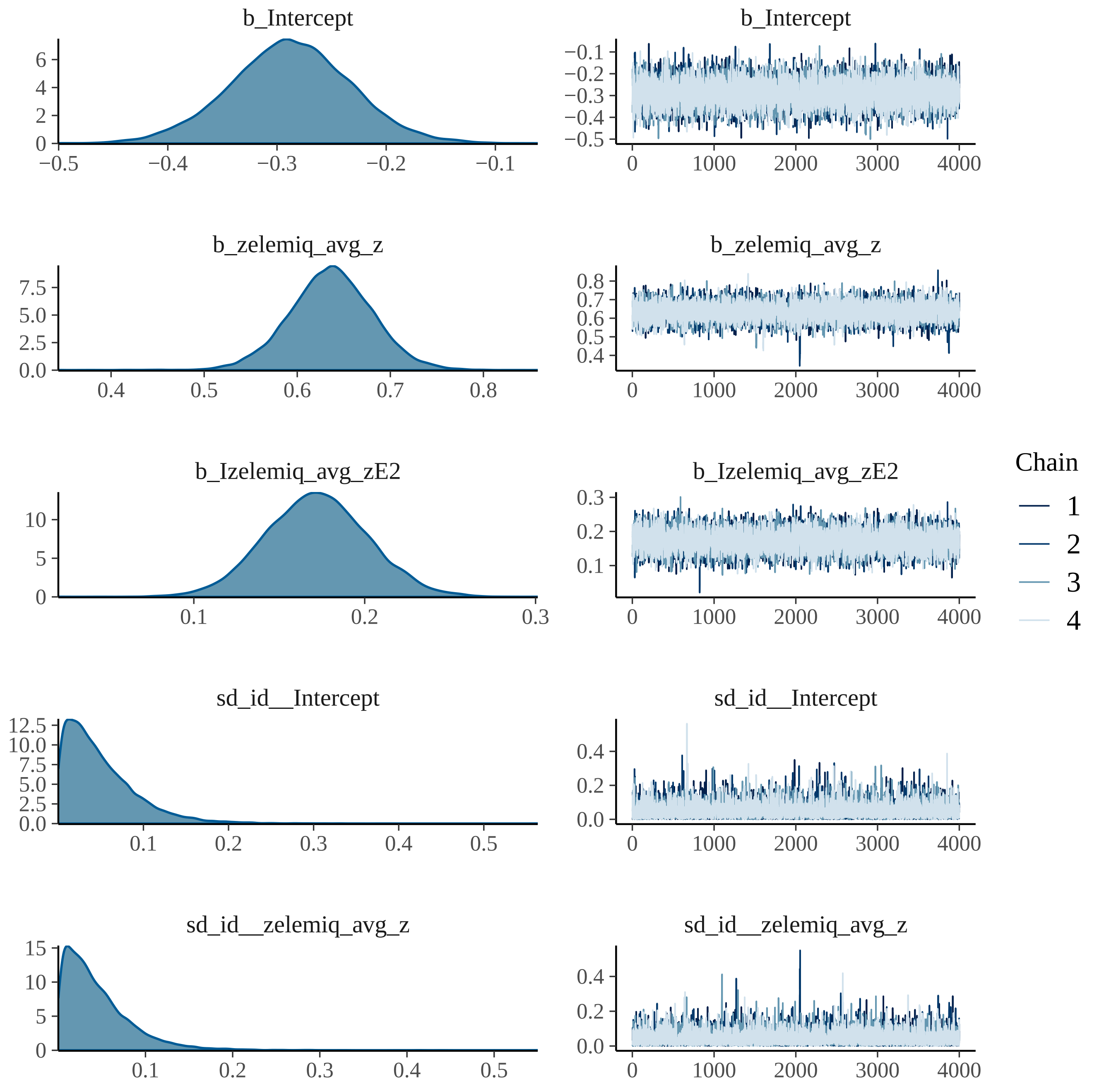
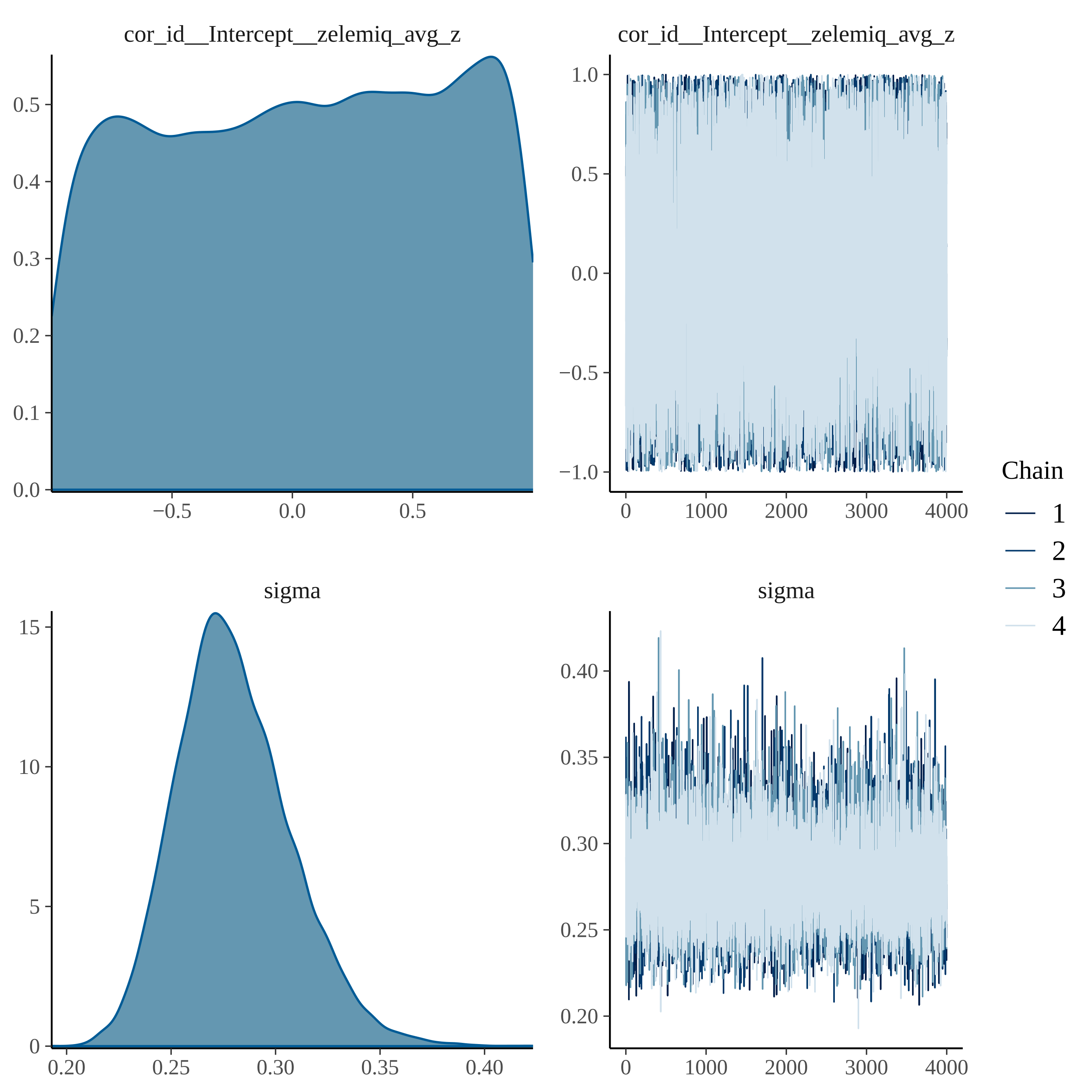
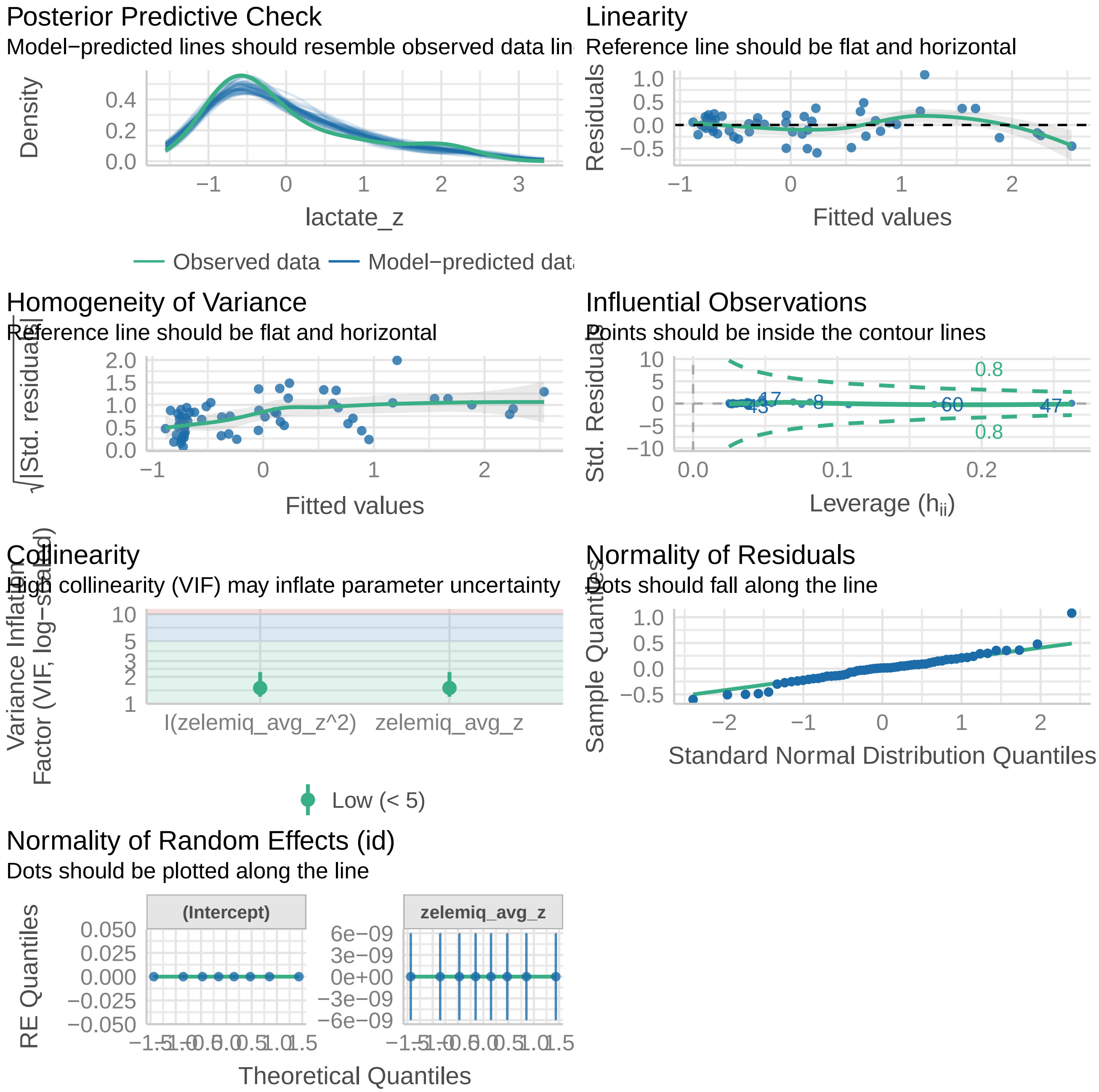

b_Intercept
b_Intercept
b_zelemiq_avg_z
b_zelemiq_avg_z
b_Izelemiq_avg_zE2
b_Izelemiq_avg_zE2
sd_id__Intercept
sd_id__Intercept
sd_id__zelemiq_avg_z
sd_id__zelemiq_avg_z
Chain
1
2
3
4
−0.5 −0.4 −0.3 −0.2 −0.1
0.4 0.5 0.6 0.7 0.8
0.1 0.2 0.3
0.1 0.2 0.3 0.4 0.5
0 1000 2000 3000 4000


cor_id__Intercept__zelemiq_avg_z
cor_id__Intercept__zelemiq_avg_z
sigma
sigma
Chain
1
2
3
4



Posterior Predictive Check
Model−predicted lines should resemble observed data lin
Density
lactate_z
Observed data
Model−predicted dat
Linearity
Reference line should be flat and horizontal
Residuals
Fitted values
Homogeneity of Variance
Reference line should be flat and horizontal
√|Std. residuals|
Fitted values
Influential Observations
Points should be inside the contour lines
Std. Residuals
Leverage (h_{ii})
0.8
43
47
8
60
47
Collinearity
High collinearity (VIF) may inflate parameter uncertainty
Variance Inflation Factor (VIF, log−scaled)
I(zelemiq_avg_z^2)
zelemiq_avg_z
Low (< 5)
Normality of Residuals
Dots should fall along the line
Sample Quantiles
Standard Normal Distribution Quantiles
Normality of Random Effects (id)
Dots should be plotted along the line
(Intercept)
zelemiq_avg_z
RE Quantiles
Theoretical Quantiles