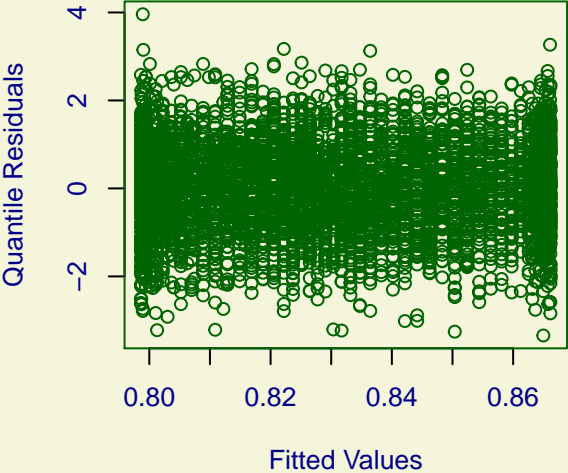
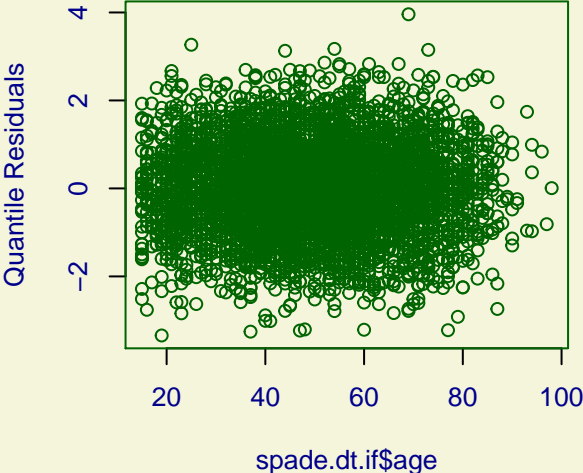


Diagnostic plot for Beta-Binomial model fit of
b12 in china_wom_b12 women age 15 – 98

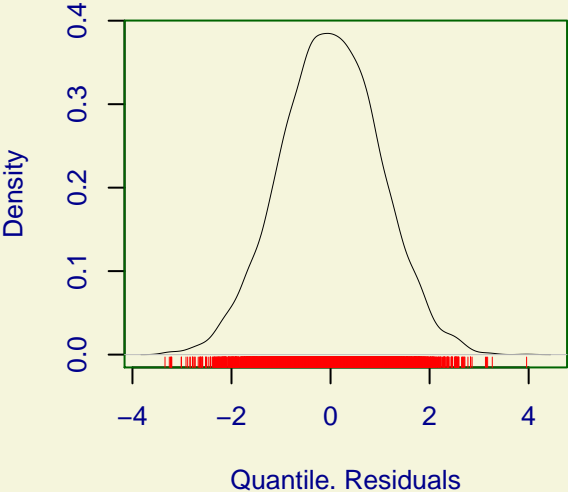
Against Fitted Values



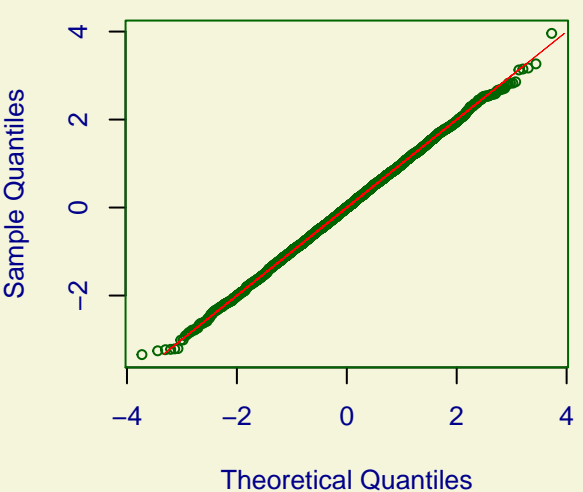
Against spade.dt.if\$age



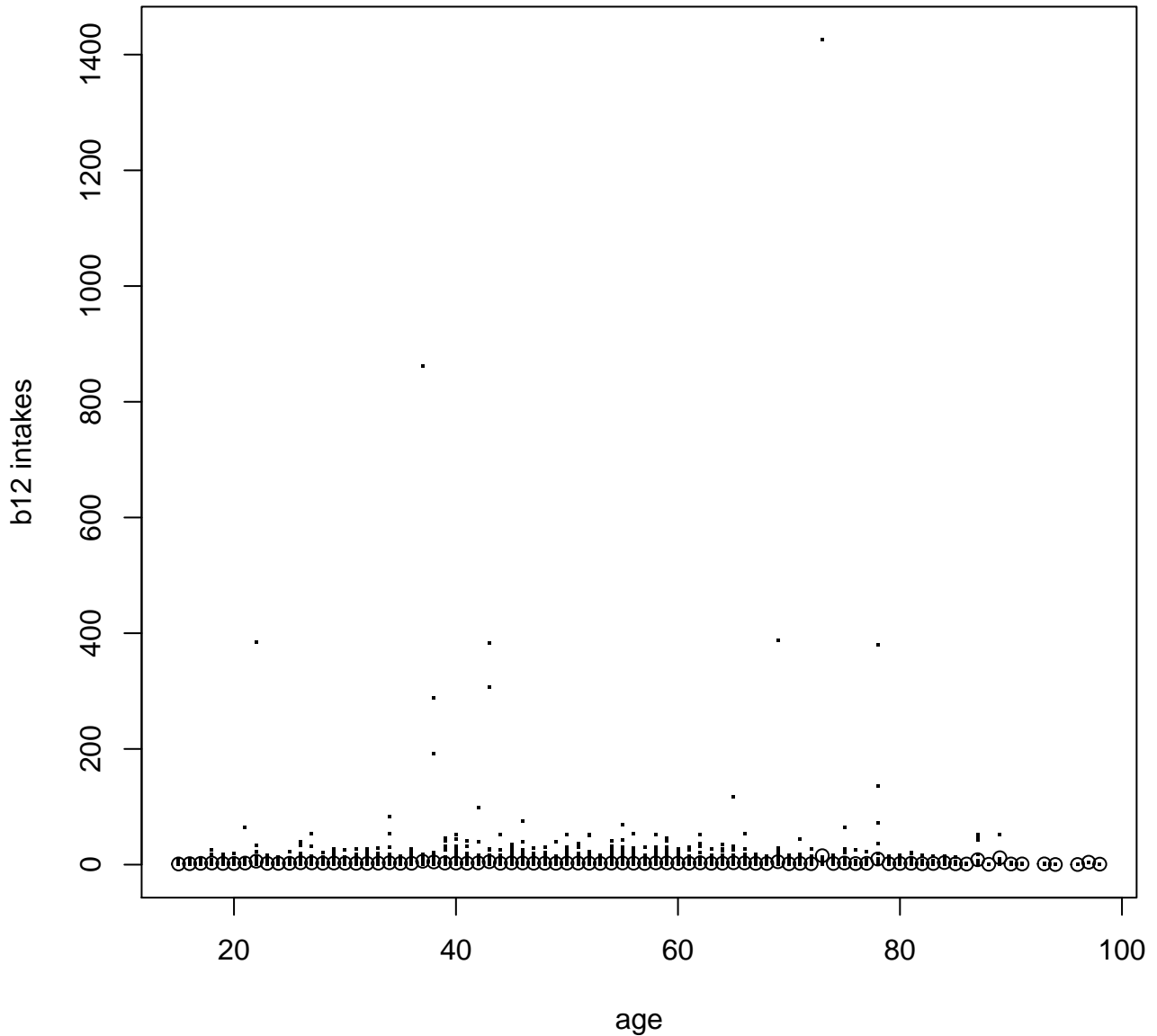
Density Estimate



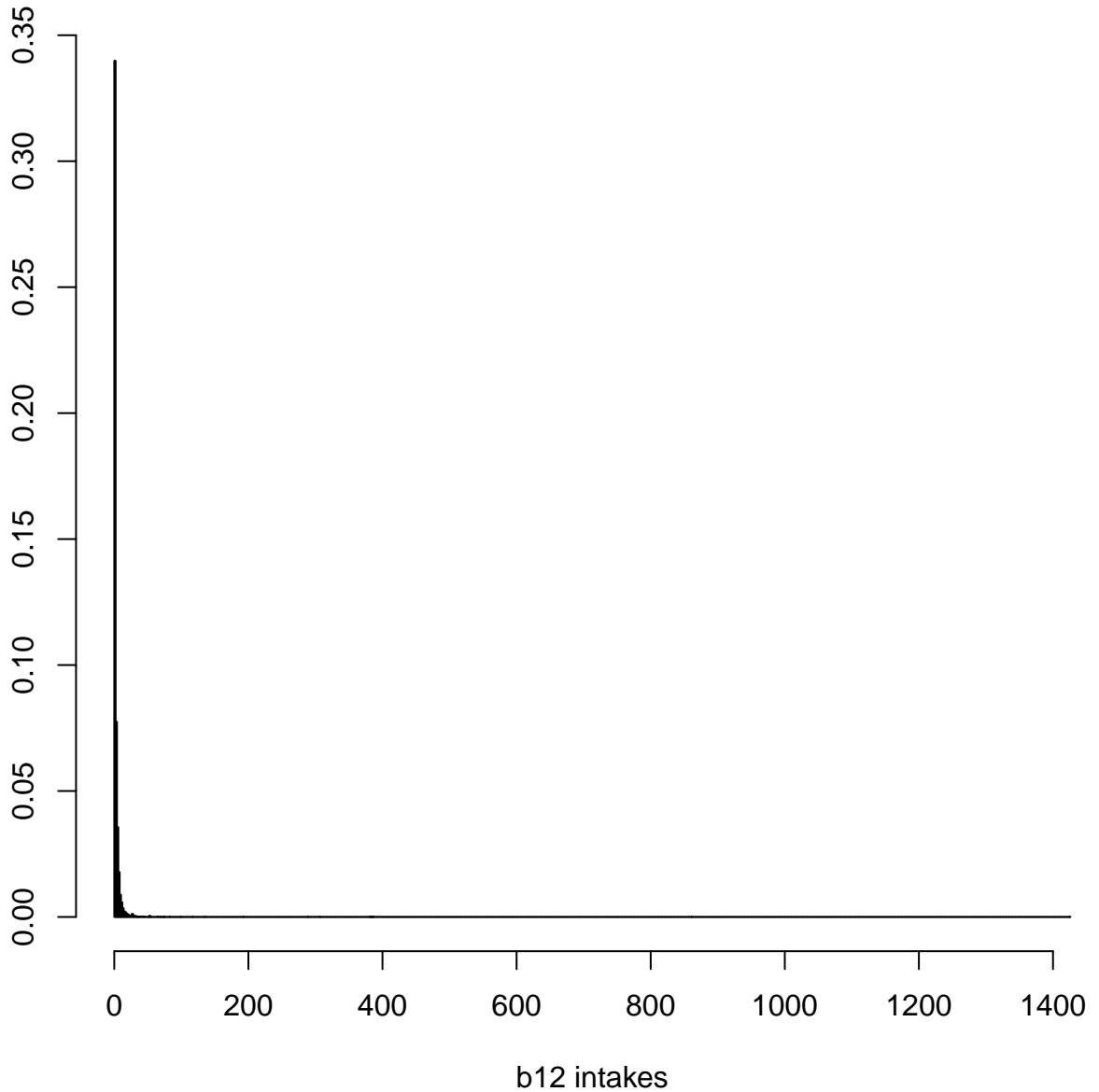
Normal Q-Q Plot



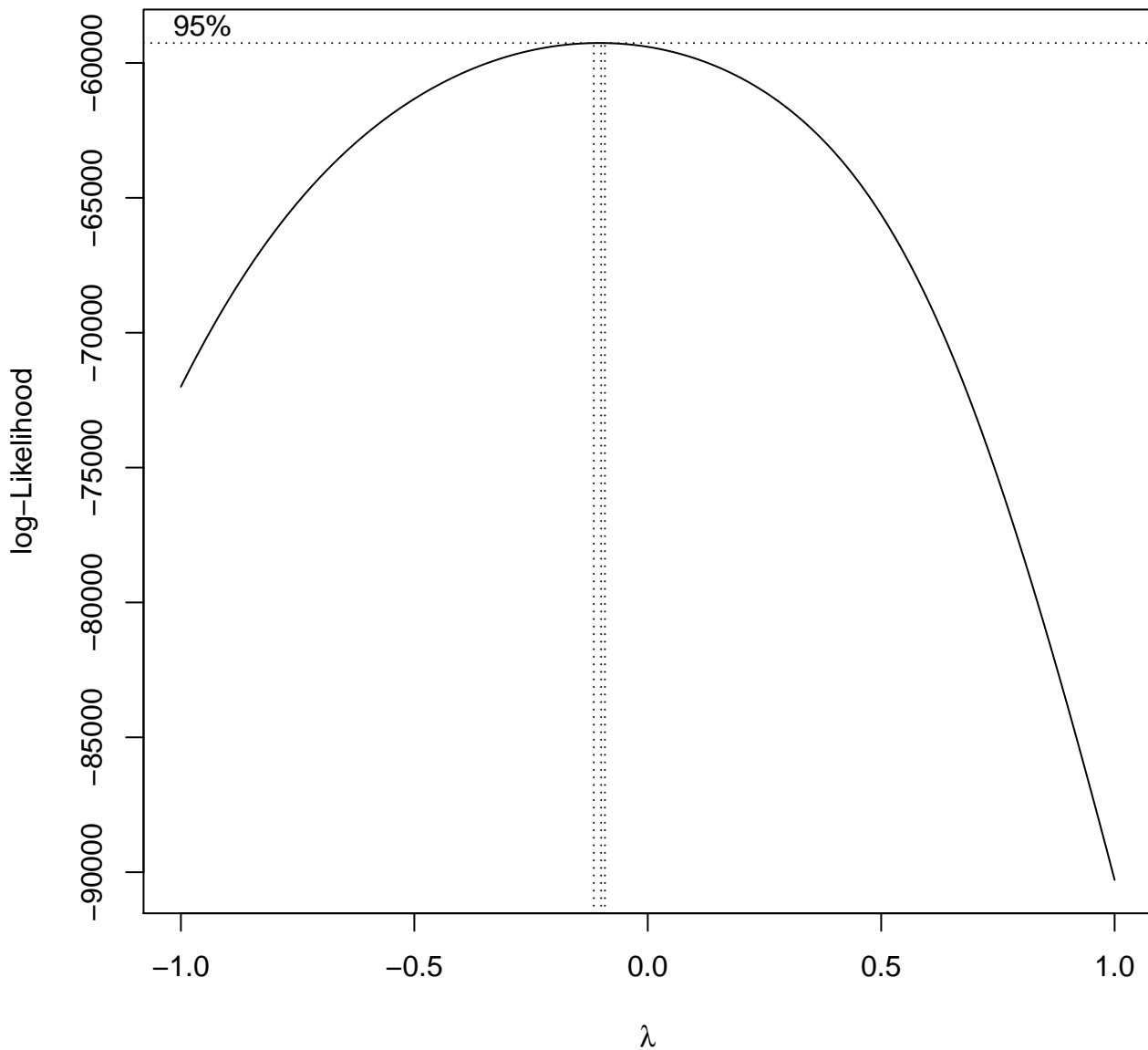
Original data for b12 in china_wom_b12
women ; age 15-98



Original data for b12 in china_wom_b12
women ; age 15–98

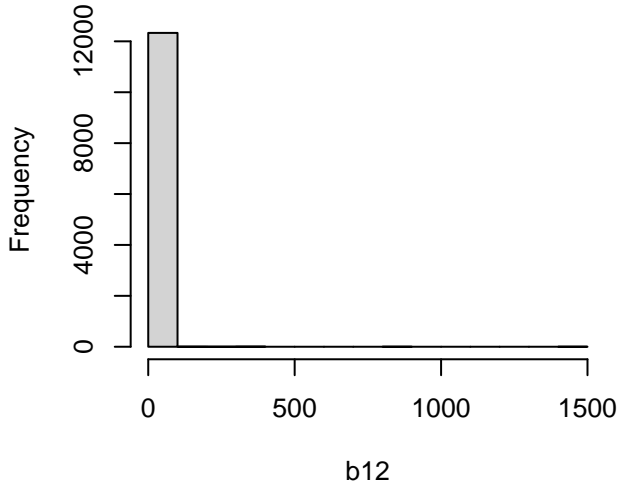


Box-Cox plot for original data for b12 in china_wom_b12
women ; age 15-98
 $\lambda = -0.104$ $(-0.11, -0.1)$

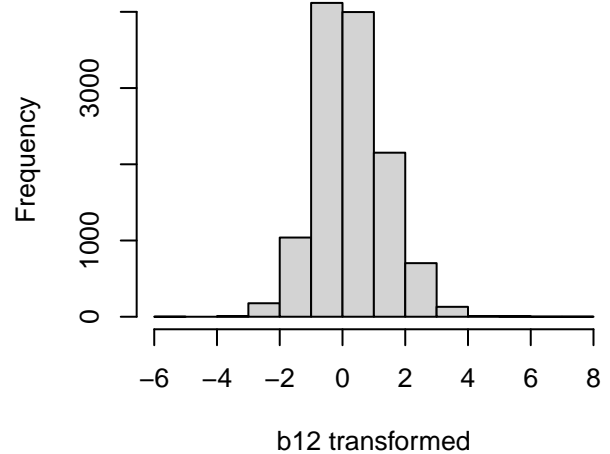


Diagnostic plots for b12 in china_wom_b12
women ; age 15–98

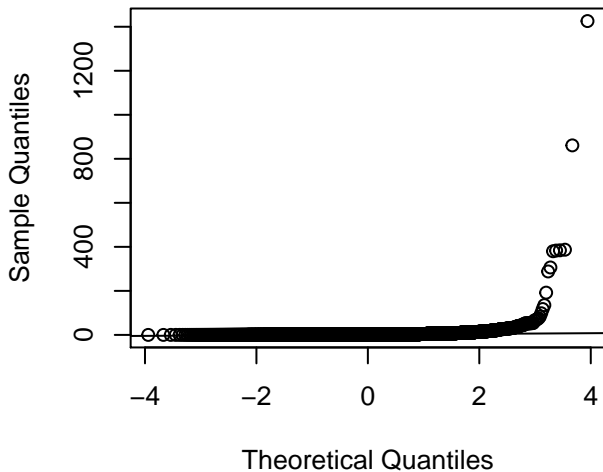
**Intakes before
Box–Cox trans.**



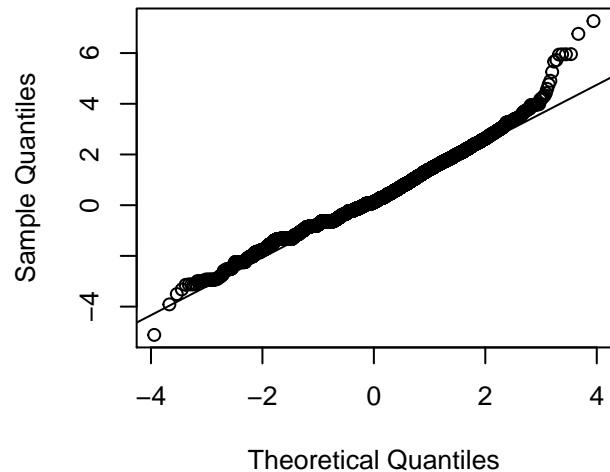
**Intakes after
Box–Cox trans.**



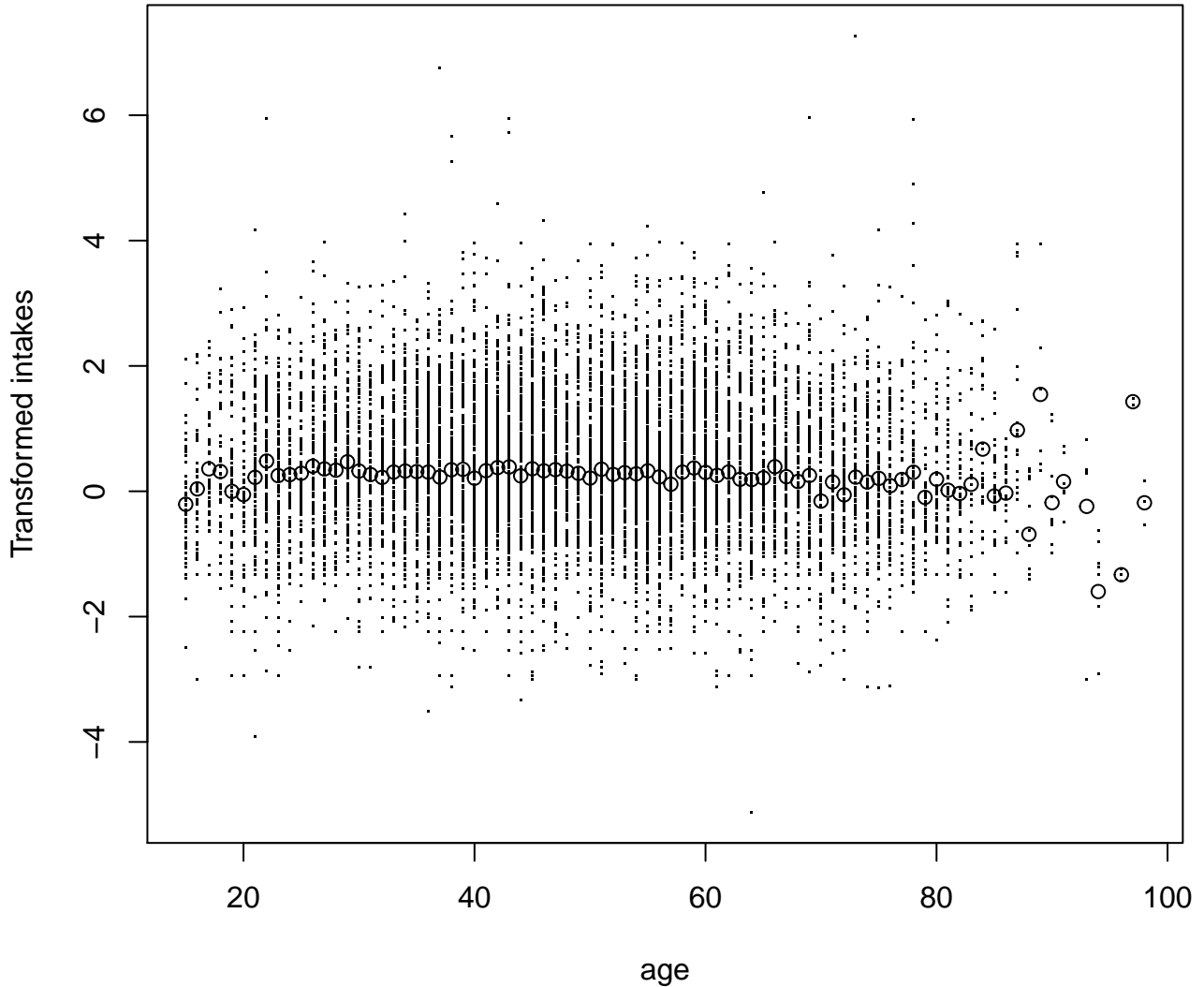
**Normal Q–Q plot
Original intakes**



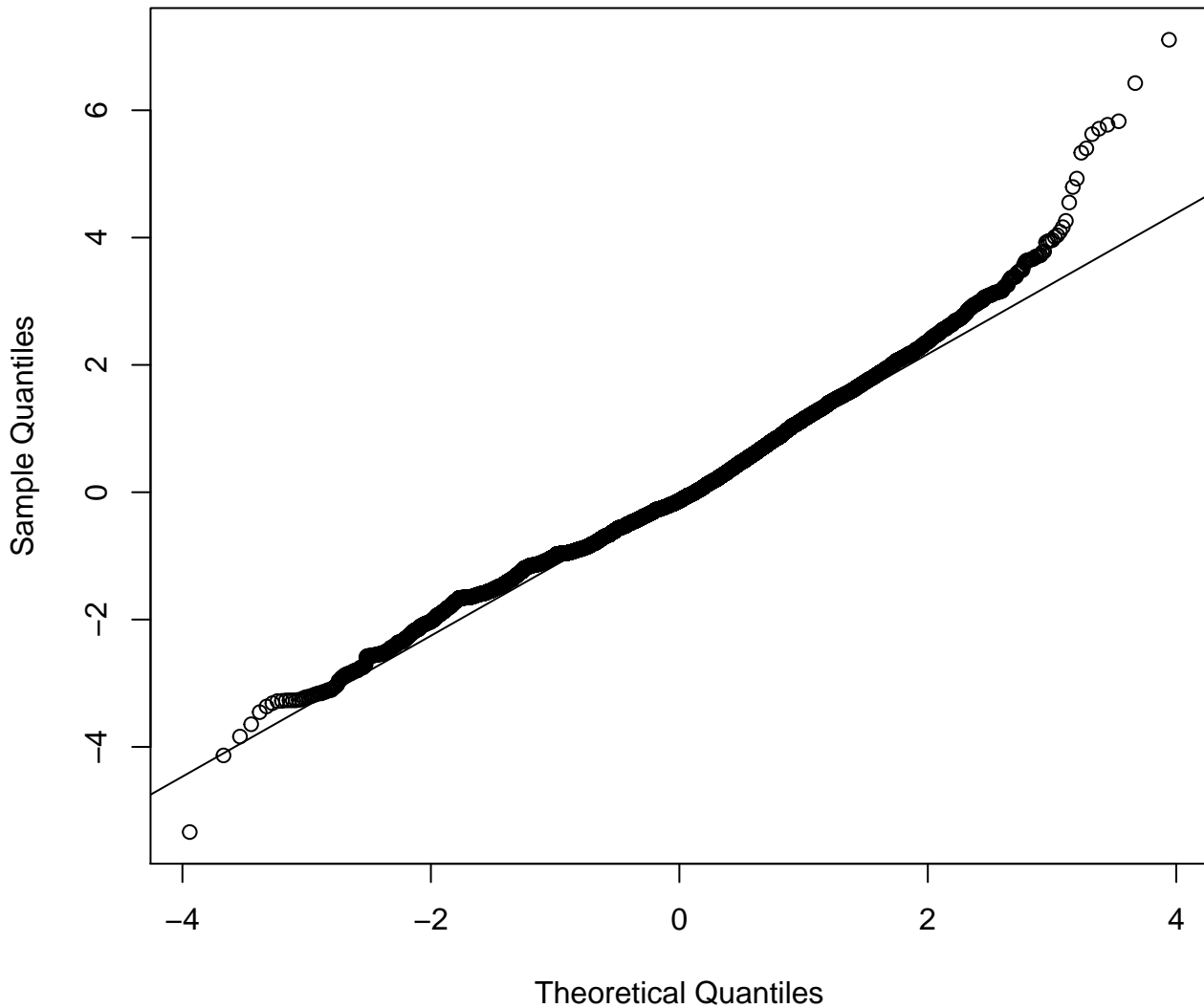
**BoxCox transformed intakes
lambda = 0**



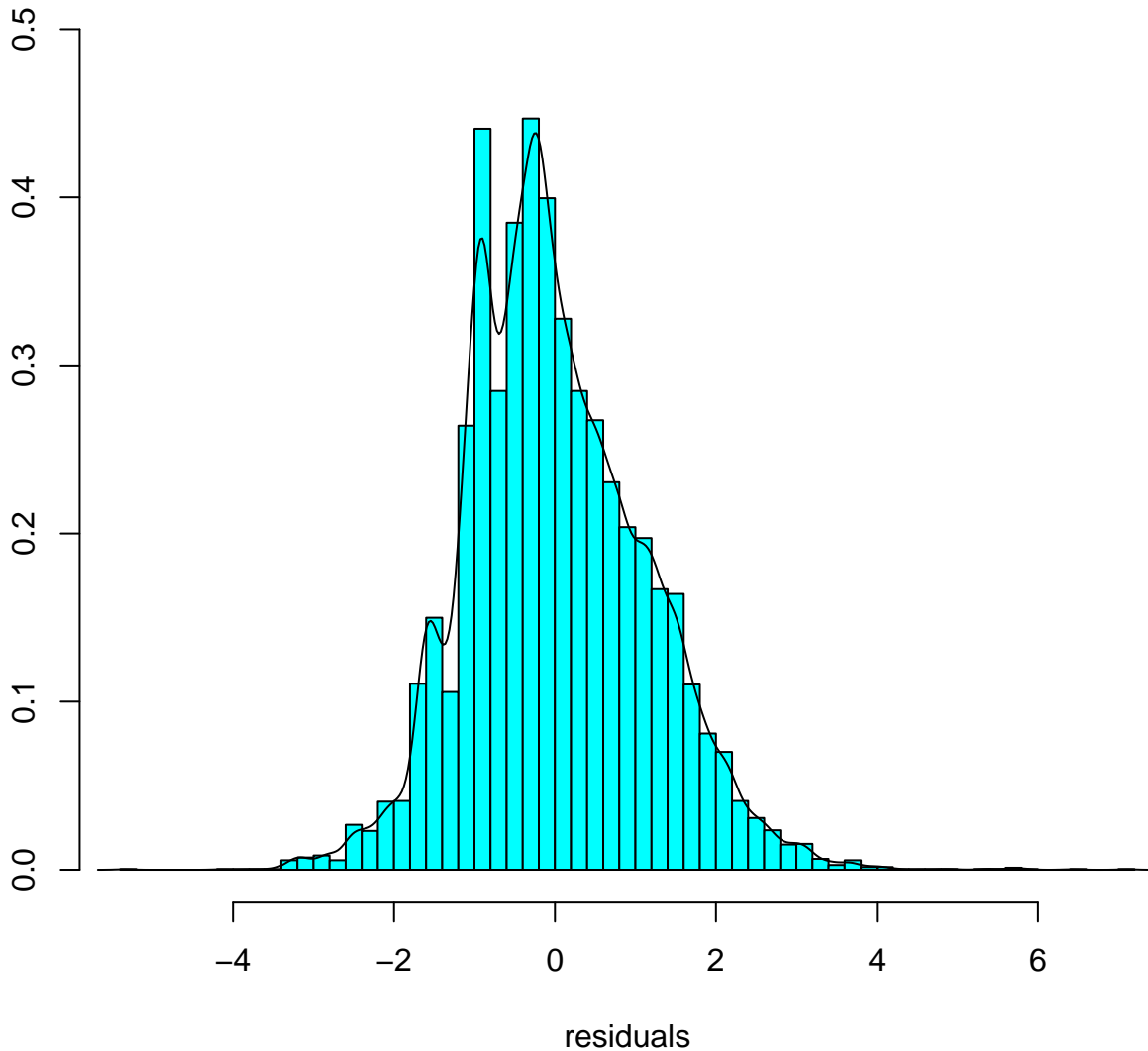
Transformed data for b12 in china_wom_b12
women ; age 15–98 lambda = 0



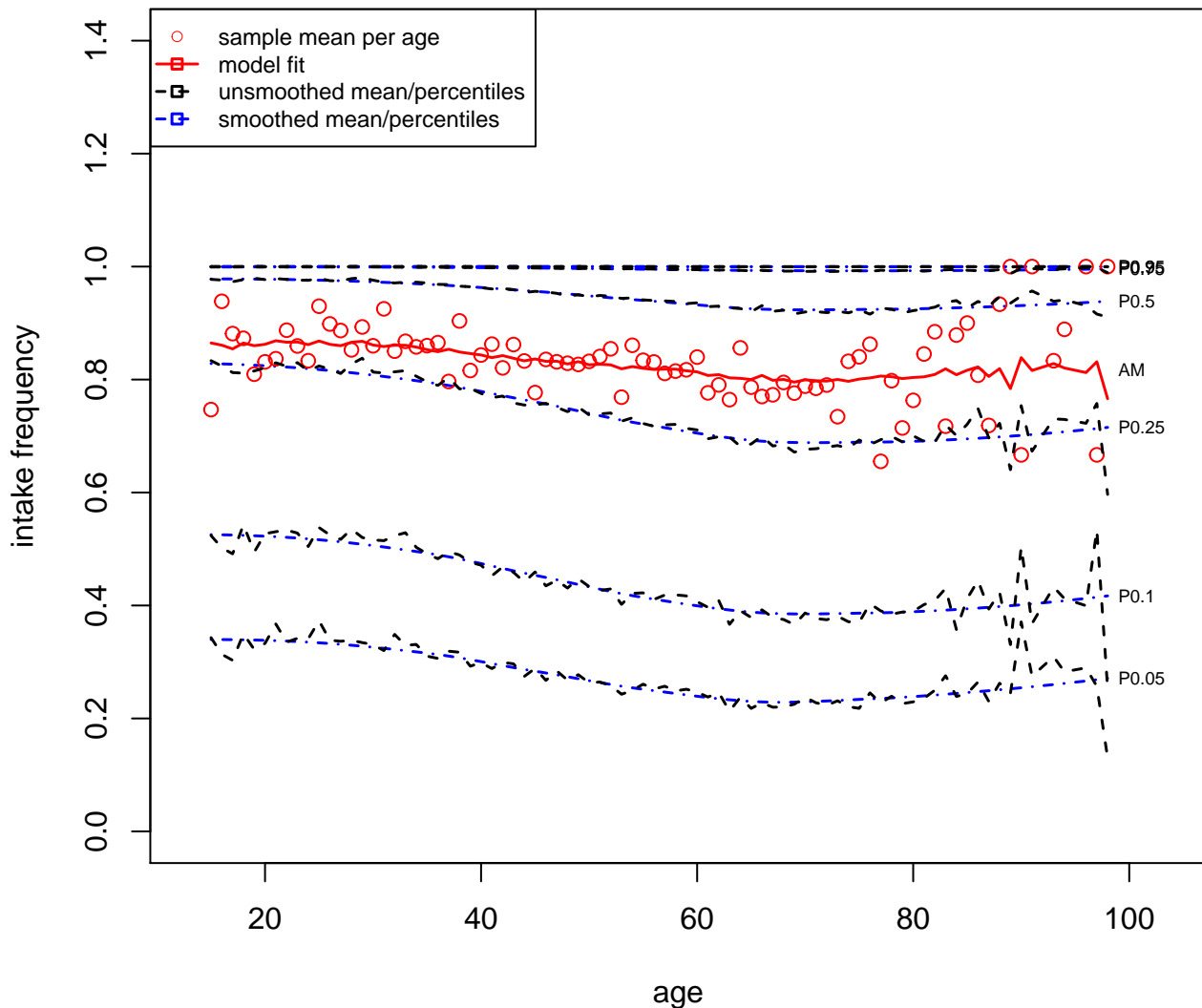
QQ-normal: residuals of model
intake.trans ~ fp(age)
women ; age 15-98 for b12 in china_wom_b12



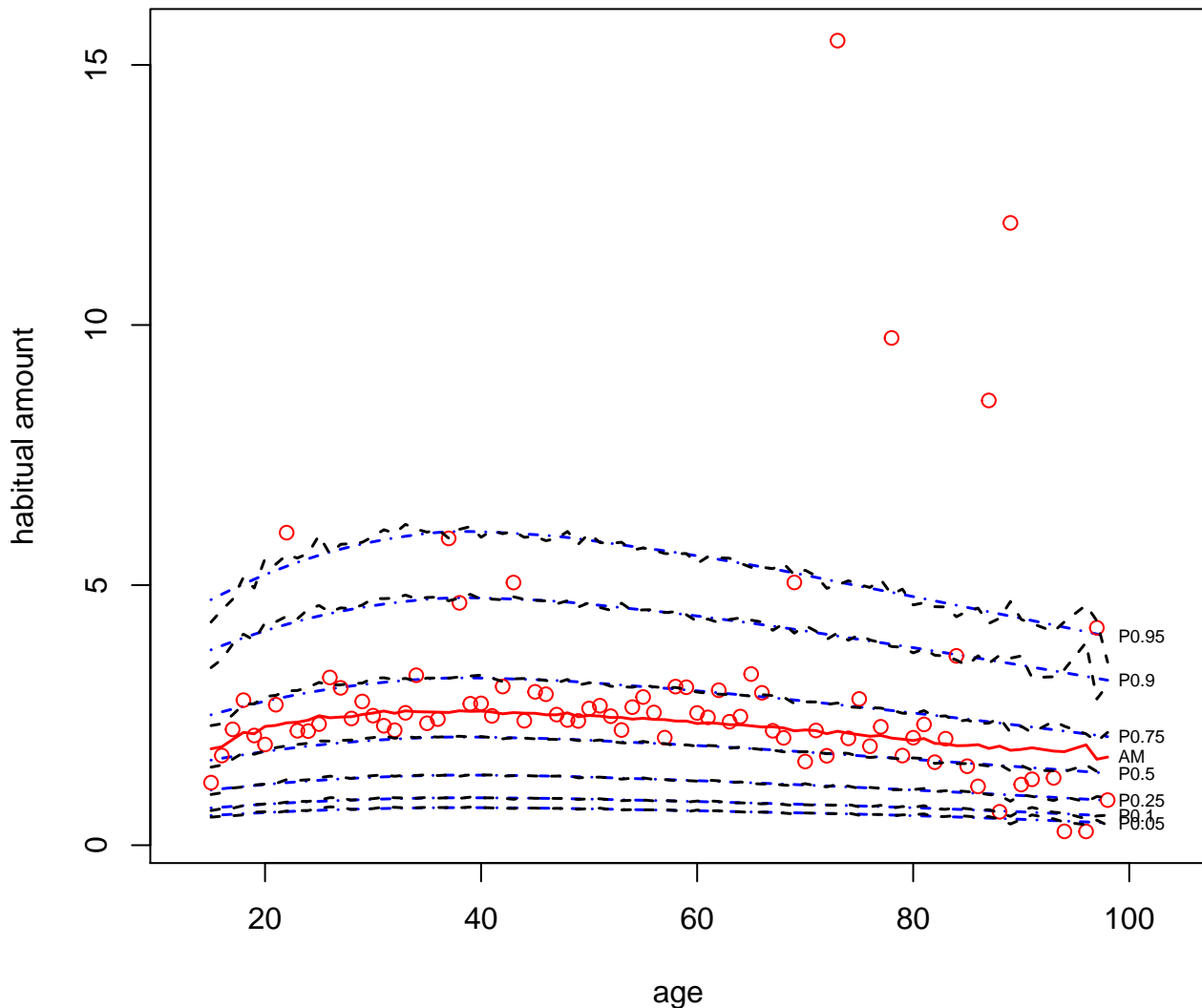
Histogram: residuals of model
intake.trans ~ fp(age)
women ; age 15–98 for b12 in china_wom_b12



BB model: intake frequency distribution for b12 in china_wom_b12
women ; age 15–98
per person 100 simulated pseudo persons



Habitual amount distribution for b12 in china_wom_b12
women ; age 15–98
per person 100 simulated pseudo persons



Habitual amount distribution for b12 in china_wom_b12
women ; age 15-98
per person 100 simulated pseudo persons

