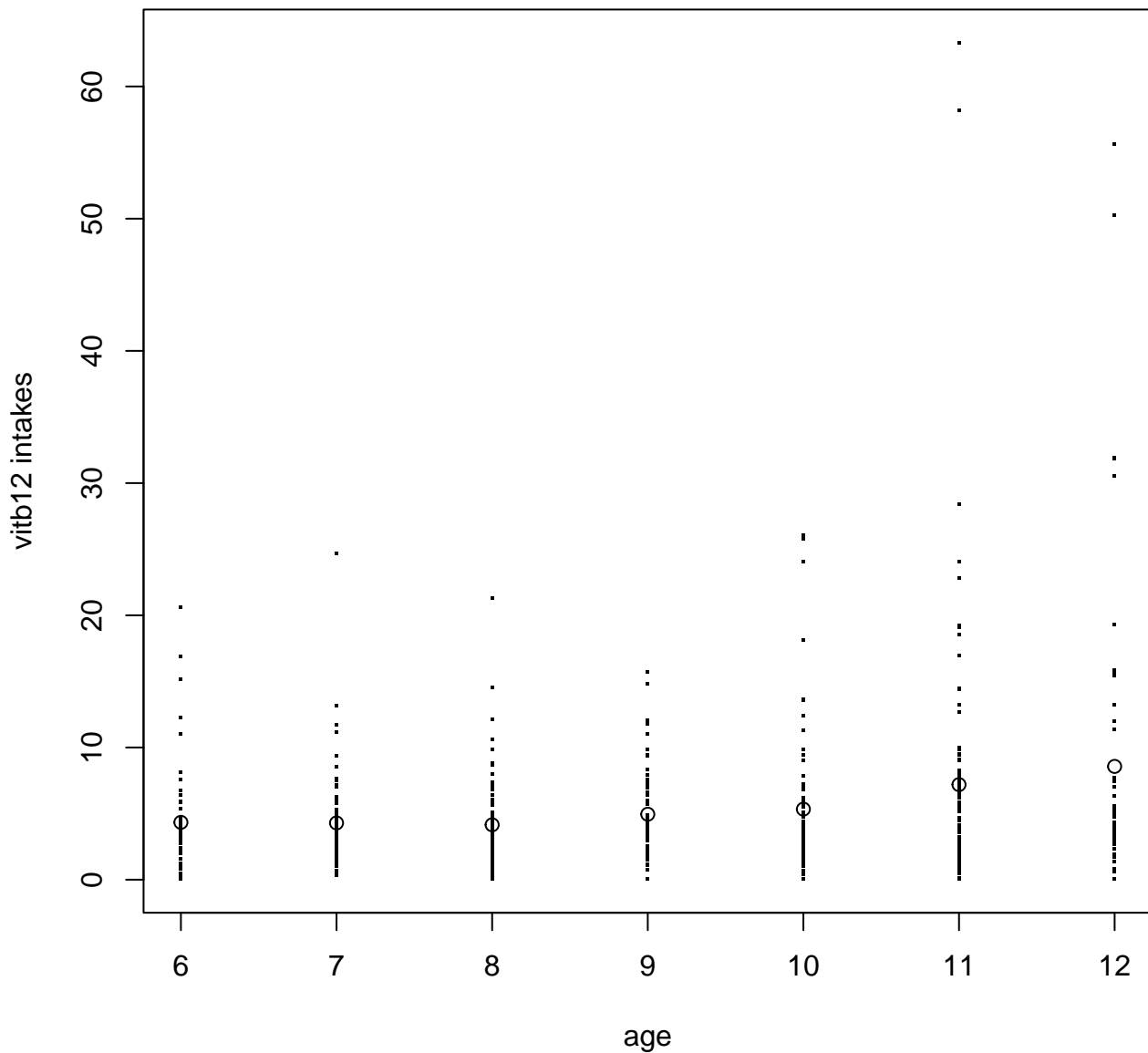**Original data for vitb12 in RC24_LT_c_or**
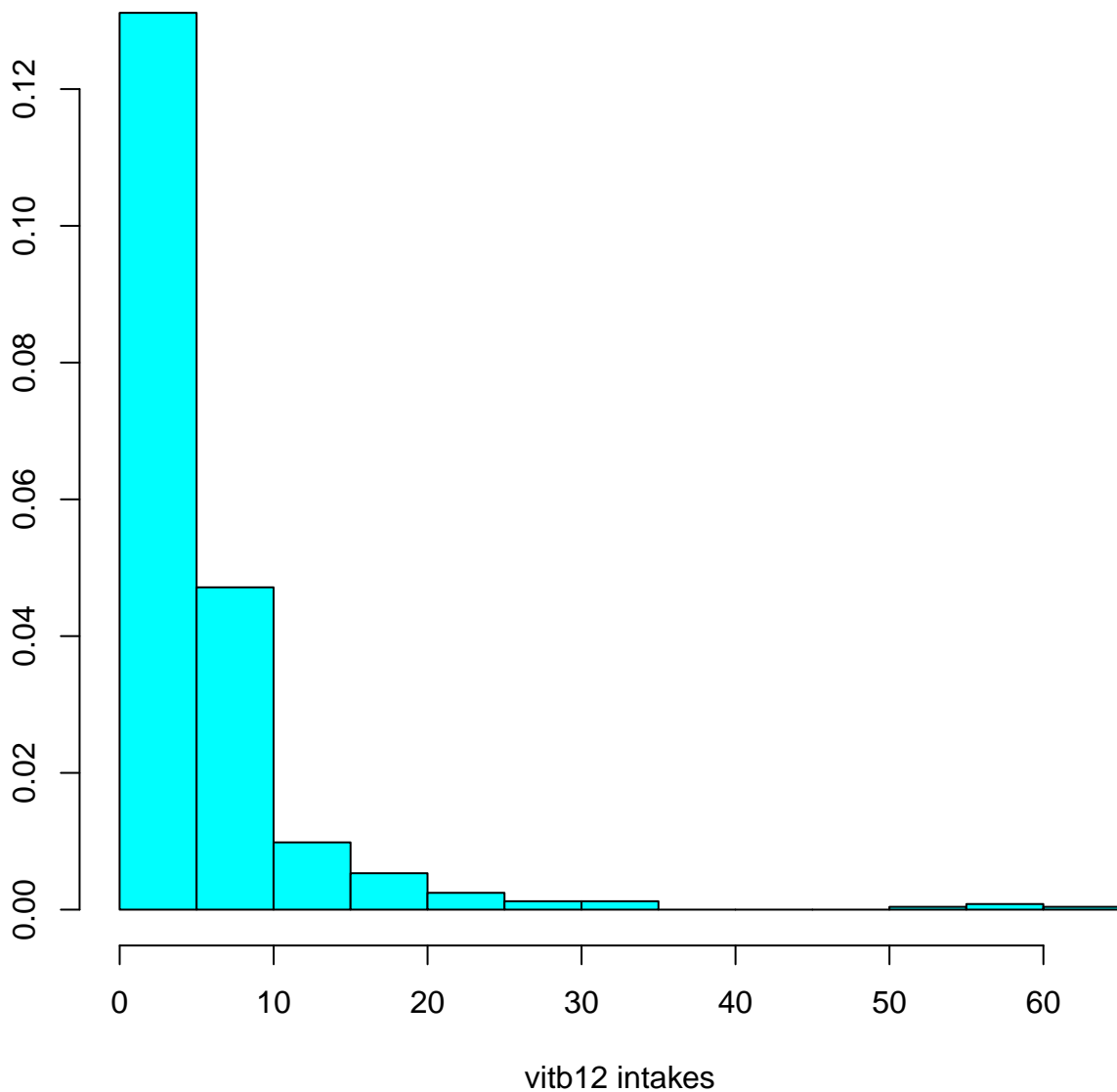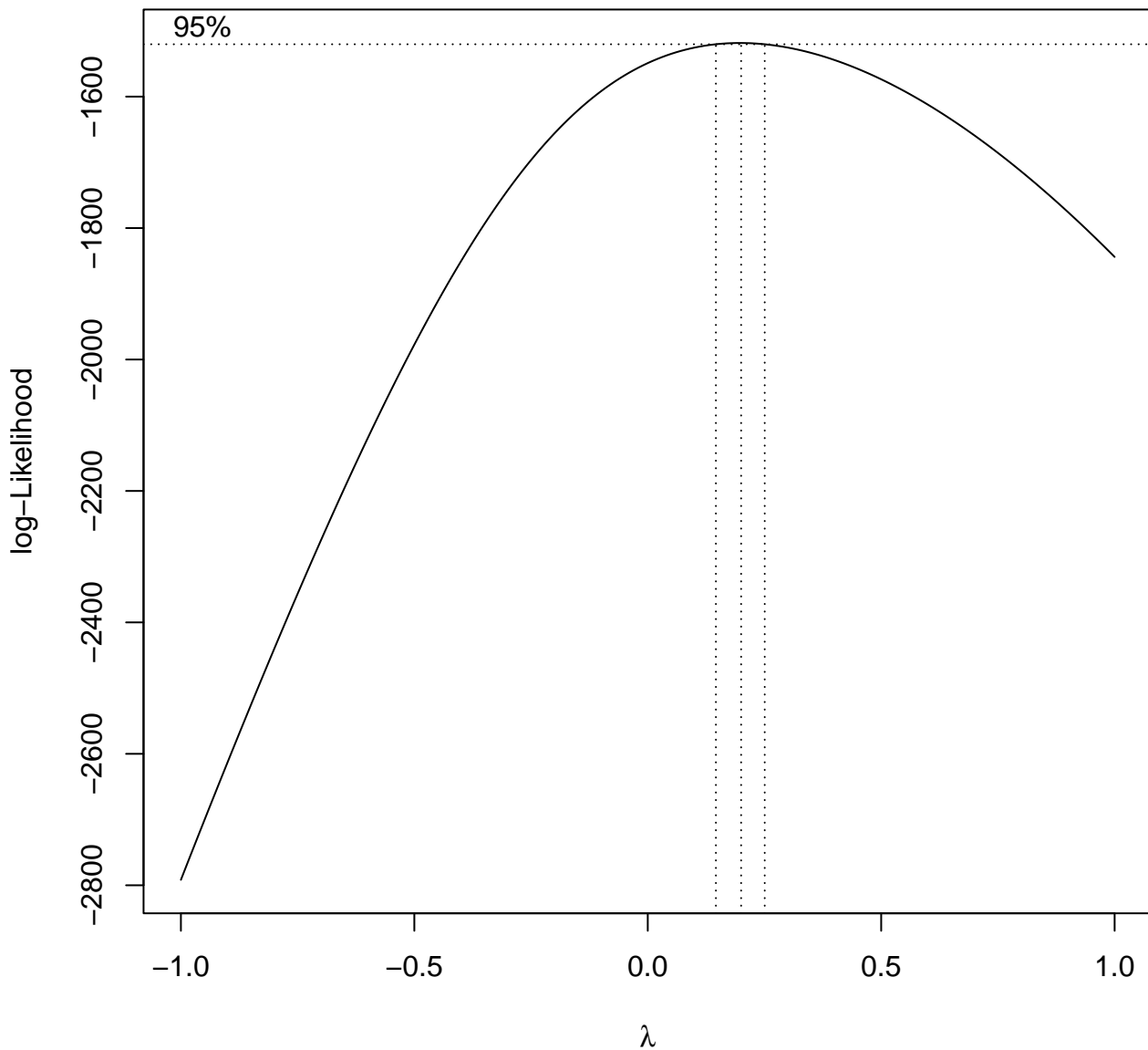**both ; age 6−12**

Original data for vitb12 in RC24_LT_c_or both ; age 6−12
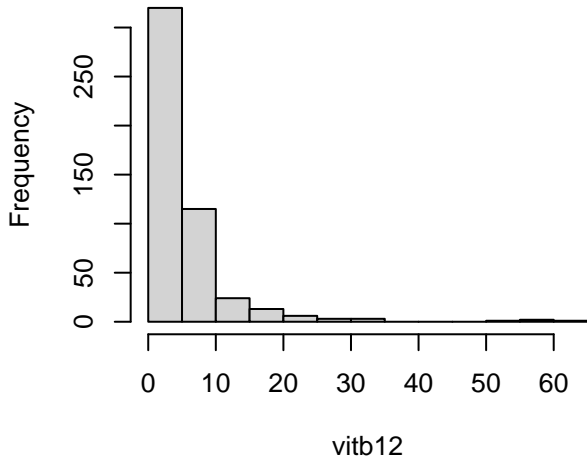
vitb12 intakes

Box−Cox plot for original data for vitb12 in RC24_LT_c_or
both ; age 6−12
lambda = 0.196 (0.15,0.25)

Diagnostic plots for vitb12 in RC24_LT_c_or
both ; age 6−12

Intakes before Box−Cox trans.

Frequency

vitb12

Intakes after Box−Cox trans.

Frequency

vitb12 transformed
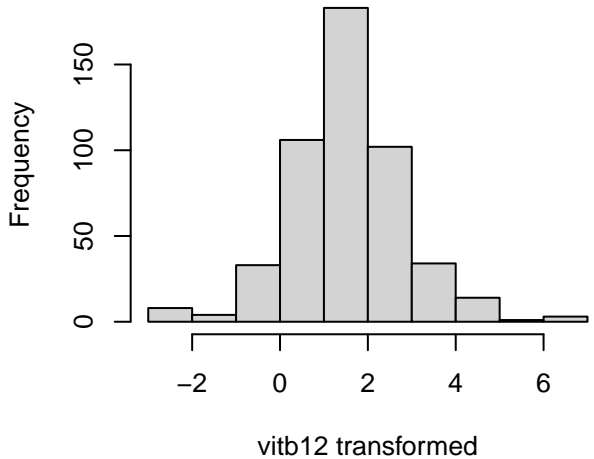
Normal Q−Q plot Original intakes

Sample Quantiles

Theoretical Quantiles
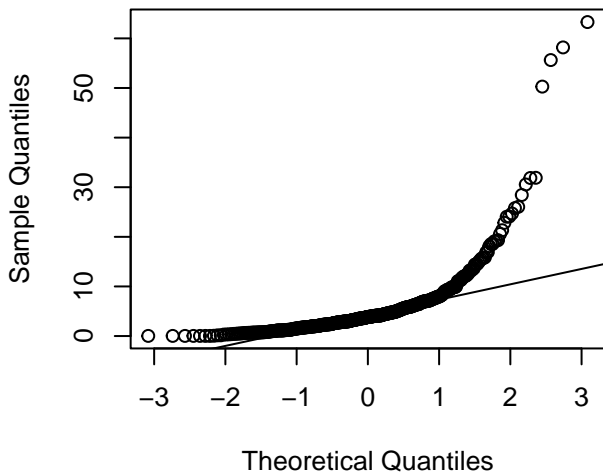
BoxCox transformed intakes lambda = 0.196

Sample Quantiles

Theoretical Quantiles
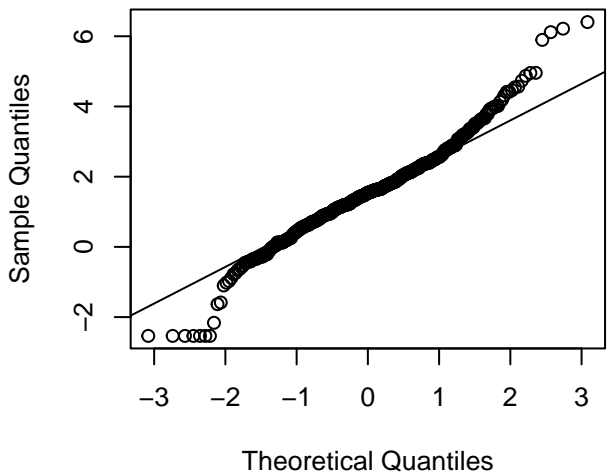
Transformed data for vitb12 in RC24_LT_c_or
both ; age 6−12   lambda = 0.196

Transformed intakes

age
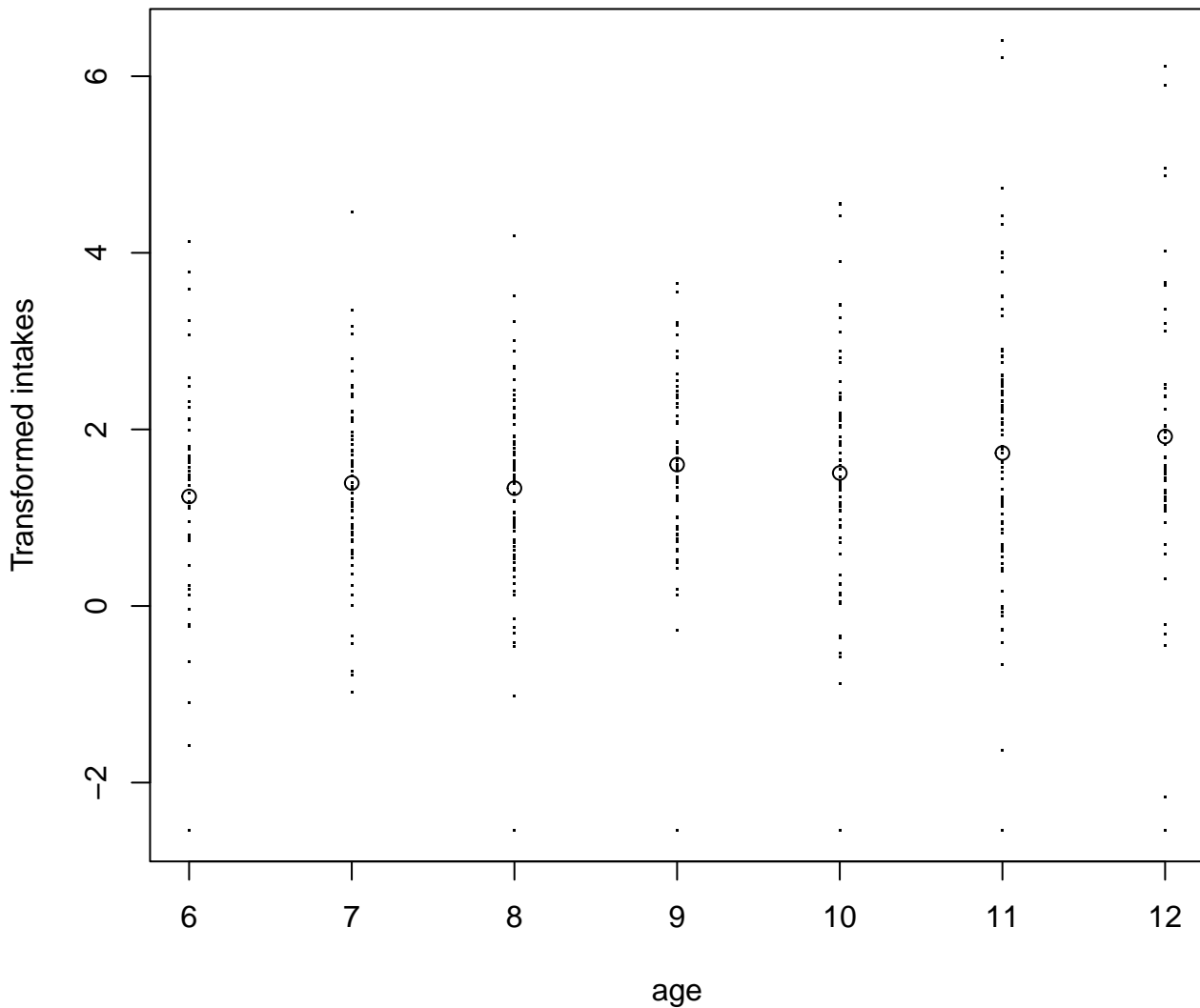
QQ−normal: residuals of model
intake.trans ~ fp(age)
both ; age 6−12   for   vitb12 in RC24_LT_c_or
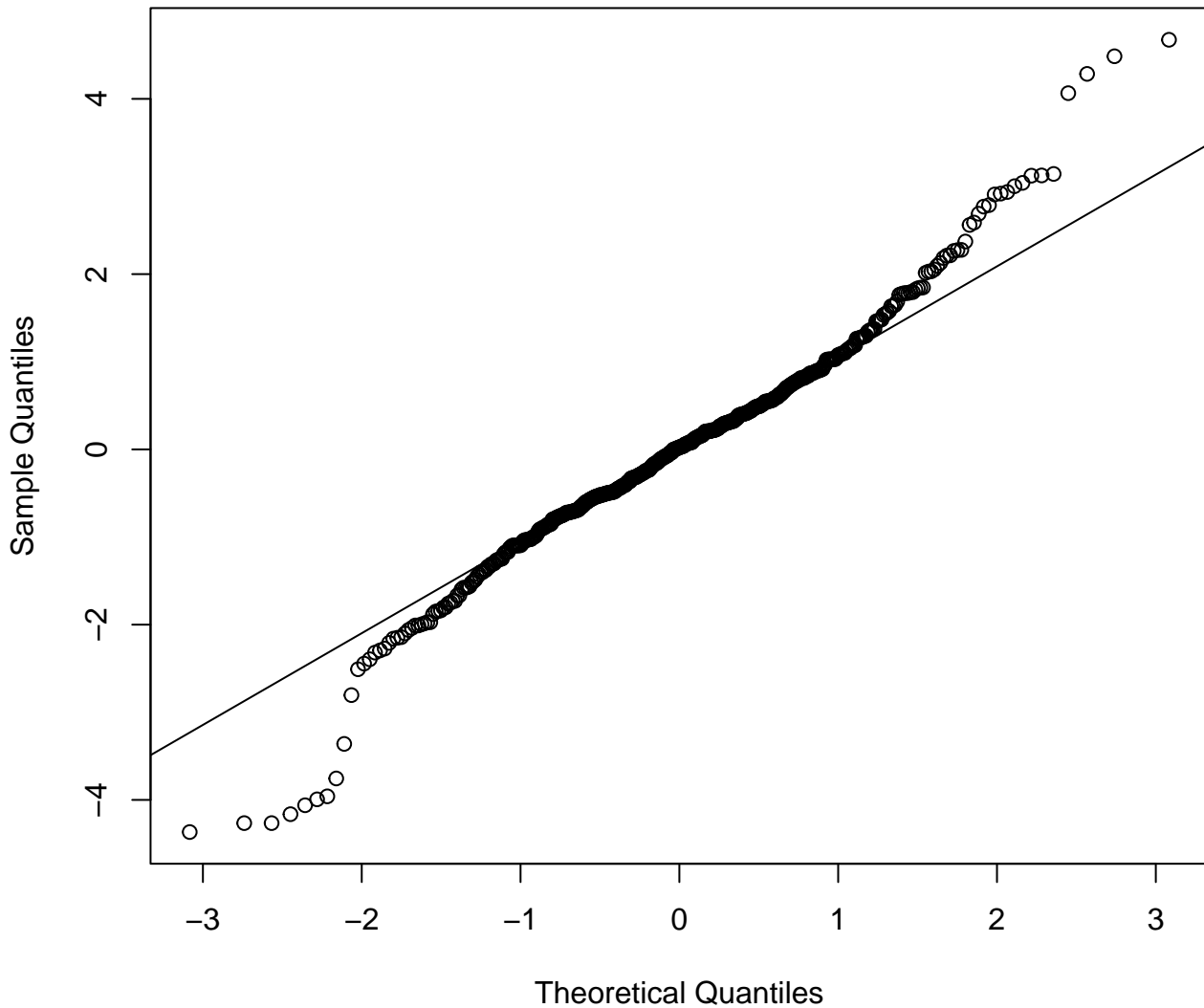
Histogram: residuals of model
intake.trans ~ fp(age)
both ; age 6–12   for   vitb12   in   RC24_LT_c_or

residuals
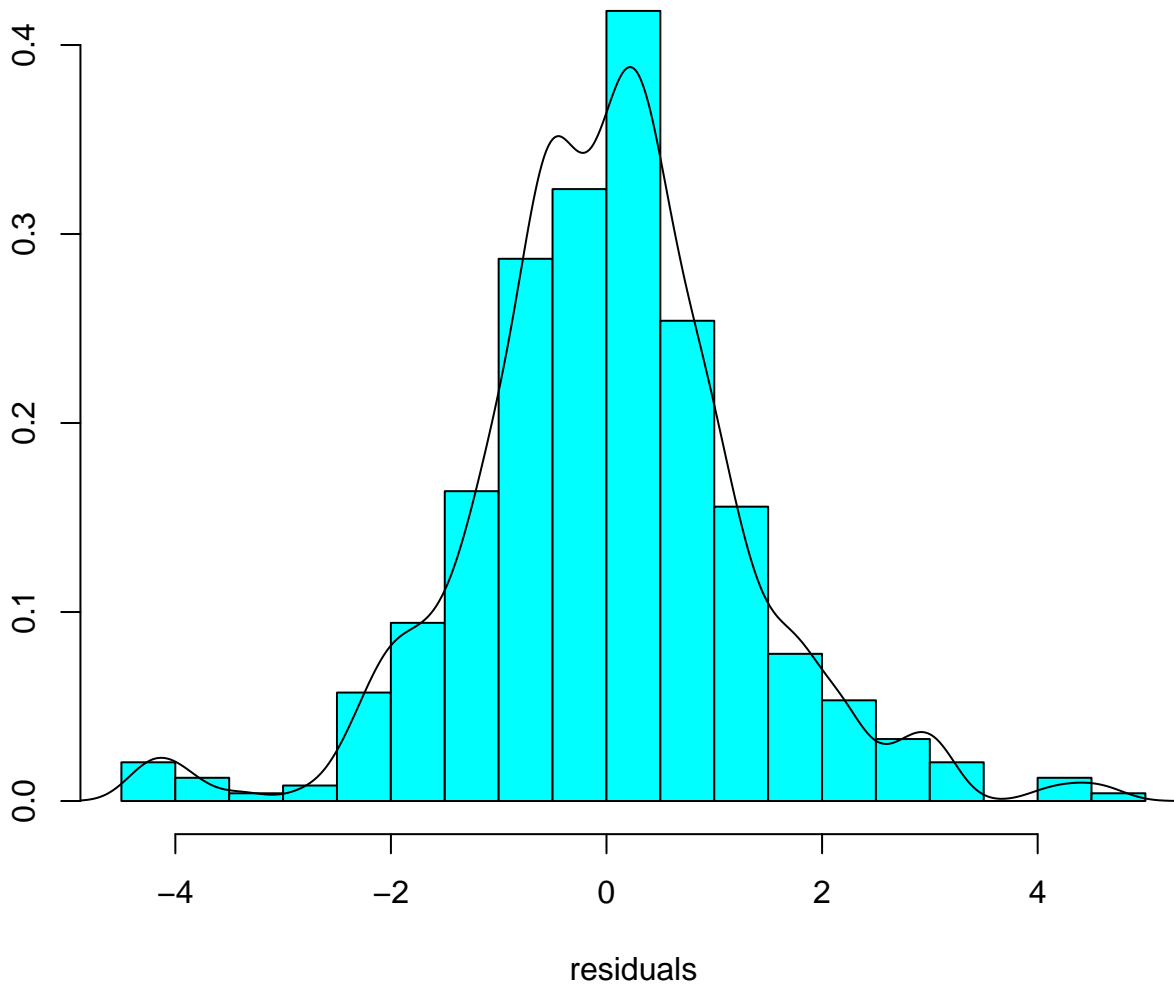
**Habitual intake distribution for vitb12 in RC24_LT_c_or
both ; age 6−12
per person 100 simulated pseudo persons**

- ○ (weighted) sample mean per age
- —☐— model fit
- ◄☐▸ percentiles

habitual intake

age

P0.9975
P0.99
P0.98
P0.97
P0.96
P0.95
P0.94
P0.93
P0.92
P0.91
P0.9
P0.89
P0.02
P0.01
P0.0025
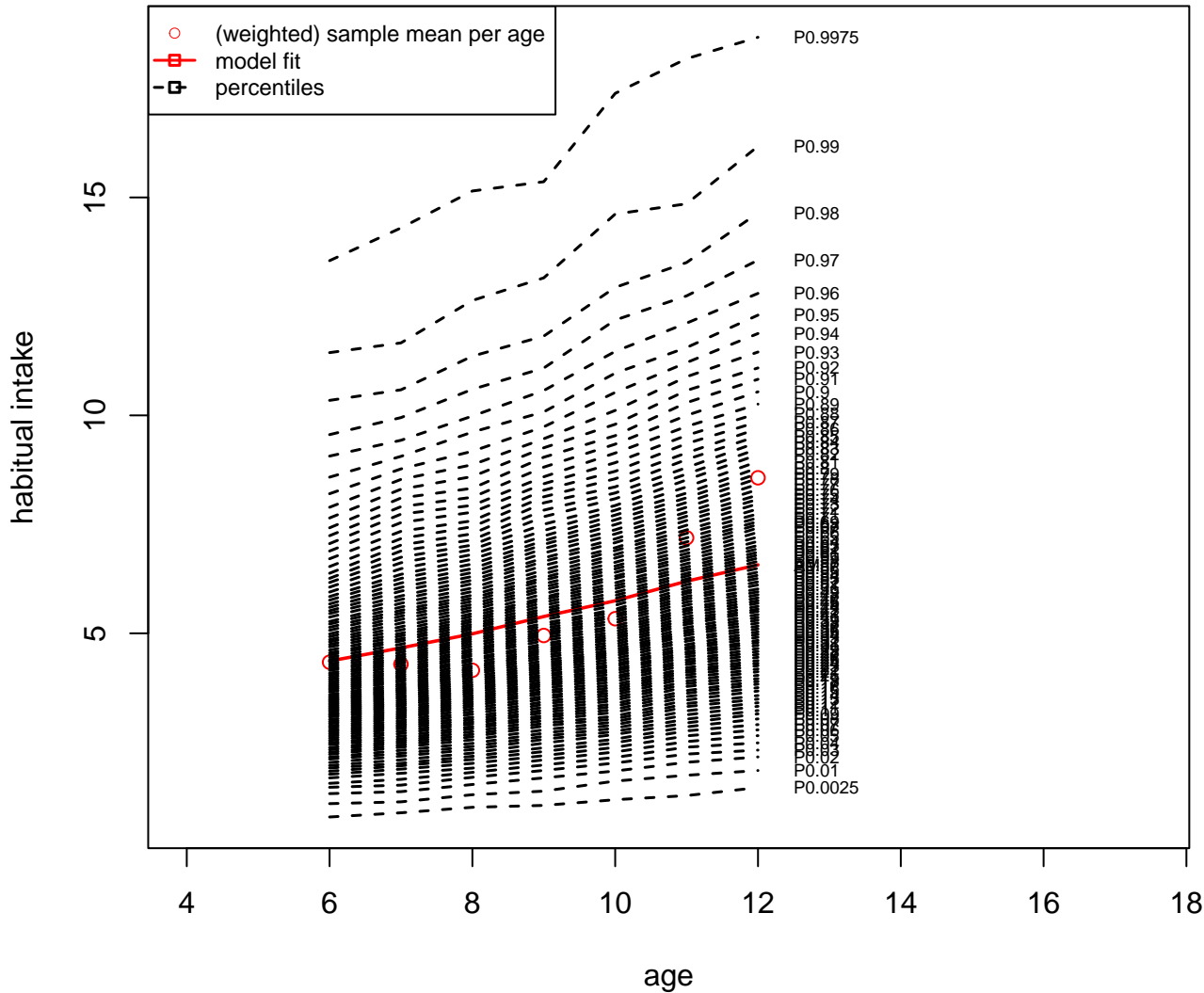
Habitual intake distribution for vitb12 in RC24_LT_c_or both ; age 6–12
100 pseudo persons per person are simulated

Legend:
- ○ (weighted) sample mean per age
- ▭ model fit
- ▭ percentiles

Y-axis: habitual intake

X-axis: age

Percentile labels: P0.9975, P0.99, P0.98, P0.97, P0.96, P0.95, P0.94, P0.93, P0.92, P0.91, P0.9, P0.89, P0.86, P0.83, P0.81, P0.02, P0.01, P0.0025