
Bacteroides

M1 glmm.zinb, marg.R²: 0.111, cond.R²: 0.561

fixed~poly(age,5), random~(1|ID.S), zi_fixed~TRUE, zi_random~(TRUE)
Intrcpt: 7.1(6.97,7.24)*** - age¹: 10.5(8.64,12.3)*** - age²: -0.0754(-1.91,1.75) -
age³: 0.474(-1.34,2.29) - age⁴: 1.3(-0.514,3.11) - age⁵: -0.00561(-1.82,1.81)

M2 glmm.zinb, marg.R²: 0.158, cond.R²: 0.545

fixed~group.ref*Delivery.mode+group.ref*breast.feeding.au+poly(age,5), random~
(1|ID.S), zi_fixed~TRUE, zi_random~(TRUE)
Intrcpt: 7.14(6.97,7.3)*** - age¹: 10.7(8.87,12.6)*** - age²: -0.0825(-1.93,1.77) -
age³: 0.199(-1.63,2.03) - age⁴: 1.22(-0.605,3.04) - age⁵: -0.113(-1.93,1.71) -
pre45-225: 0.417(0.0495,0.784)* - C.section: -0.413(-0.744,-0.0824)* - bf.z-score:
-0.0508(-0.192,0.09) - pre45-225:C.section: -0.199(-0.998,0.6) - pre45-225:bf.z-
score: -0.152(-0.527,0.223)

M3 glmm.zinb, marg.R²: 0.158, cond.R²: 0.546

fixed~group.ref*Delivery.mode+group.ref*breast.feeding.au+poly(age,7), random~
(1|ID.S), zi_fixed~TRUE, zi_random~(TRUE)
Intrcpt: 7.14(6.97,7.3)*** - age¹: 10.8(8.9,12.6)*** - age²: -0.0593(-1.91,1.79) -
age³: 0.258(-1.57,2.09) - age⁴: 1.23(-0.588,3.06) - age⁵: -0.0406(-1.87,1.79) -
age⁶: 0.0783(-1.72,1.87) - age⁷: 0.437(-1.36,2.23) - pre45-225:
0.413(0.0453,0.781)* - C.section: -0.413(-0.744,-0.0817)* - bf.z-score:
-0.0518(-0.193,0.0892) - pre45-225:C.section: -0.198(-0.997,0.602) - pre45-
225:bf.z-score: -0.149(-0.524,0.226)

Faecalibacterium

M1 glmm.zinb, marg.R²: 0.732, cond.R²: 0.855

fixed~poly(age,5), random~(1|ID.S), zi_fixed~TRUE, zi_random~(TRUE)
Intrcpt: 5.49(5.35,5.62)*** - age¹: 39.2(36.7,41.6)*** - age²: -21.7(-24,-19.3)*** -
age³: 5.32(2.88,7.76)*** - age⁴: 1.53(-0.836,3.89) - age⁵: -0.0871(-2.2,2.02)

M2 glmm.zinb, marg.R²: 0.75, cond.R²: 0.862

fixed~group.ref*Delivery.mode+group.ref*breast.feeding.au+poly(age,5), random~
(1|ID.S), zi_fixed~TRUE, zi_random~(TRUE)
Intrcpt: 5.61(5.44,5.78)*** - age¹: 39.3(36.8,41.8)*** - age²: -22.1(-24.4,-19.7)*** -
age³: 5.33(2.87,7.79)*** - age⁴: 1.98(-0.393,4.35) - age⁵: -0.308(-2.42,1.81) -
pre45-225: -1.35(-1.79,-0.908)*** - C.section: -0.13(-0.447,0.187) - bf.z-score:
-0.184(-0.318,-0.0493)** - pre45-225:C.section: 1.57(0.647,2.5)** - pre45-225:bf.z-
score: -0.414(-0.895,0.0662)

M3 glmm.zinb, marg.R²: 0.75, cond.R²: 0.862

fixed~group.ref*Delivery.mode+group.ref*breast.feeding.au+poly(age,7), random~
(1|ID.S), zi_fixed~TRUE, zi_random~(TRUE)
Intrcpt: 5.6(5.43,5.77)*** - age¹: 39.5(37,42.1)*** - age²: -22(-24.4,-19.7)*** -
age³: 5.04(2.57,7.52)*** - age⁴: 2.52(0.0591,4.98)* - age⁵: -0.694(-3.1,1.71) -
age⁶: 0.587(-1.68,2.86) - age⁷: 0.759(-1.32,2.84) - pre45-225:
-1.36(-1.81,-0.917)*** - C.section: -0.135(-0.455,0.184) - bf.z-score:
-0.185(-0.321,-0.0494)** - pre45-225:C.section: 1.59(0.657,2.52)** - pre45-
225:bf.z-score: -0.402(-0.885,0.0817)
