

**Table 3.** Associations between 12-month macronutrient intake and neurodevelopmental scores in preschool children, imputed analysis

	ASQ at 3 years (n=914)						IQ at 5-6 years (n=785)		
	Full ASQ score β (95% CI)	Risk of having a poor ASQ sub-score (1st tertile vs other tertiles)					Full IQ β (95% CI)	Verbal IQ β (95% CI)	Performance IQ β (95% CI)
		Communication OR (95% CI)	Gross motor OR (95% CI)	Fine motor OR (95% CI)	Problem solving OR (95% CI)	Personal-social OR (95% CI)			
Unadjusted analyses									
Protein, g/day, for 1 SD	-1.7 (-3.8; 0.4)	1.1 (0.9; 1.2)	1.1 (0.9; 1.2)	1.1 (0.9; 1.3)	1.0 (0.9; 1.2)	1.0 (0.9; 1.2)	-0.6 (-1.6; 0.4)	-0.5 (-1.5; 0.6)	-0.6 (-1.7; 0.4)
Carbohydrates, g/day, for 1 SD	-1.1 (-3.2; 1.0)	1.1 (0.9; 1.3)	1.0 (0.9; 1.2)	1.1 (0.9; 1.2)	1.0 (0.9; 1.2)	1.1 (1.0; 1.3)	0.1 (-0.9; 1.1)	-0.3 (-1.4; 0.7)	0.4 (-0.7; 1.4)
Lipids, g/day, for 1 SD	-1.5 (-3.5; 0.4)	1.1 (0.9; 1.2)	1.0 (0.8; 1.1)	1.1 (1.0; 1.3)	1.1 (1.0; 1.3)	1.1 (0.9; 1.2)	0.1 (-0.8; 1.1)	-0.1 (-1.1; 0.9)	0.4 (-0.6; 1.4)
Model 1									
Protein, g/day, for 1 SD	-0.9 (-2.9; 1.2)	1.0 (0.9; 1.2)	1.1 (0.9; 1.2)	1.0 (0.9; 1.2)	1.0 (0.9; 1.2)	1.0 (0.9; 1.2)	-0.1 (-1.1; 0.9)	0.0 (-1.0; 1.1)	-0.3 (-1.3; 0.8)
Carbohydrates, g/day, for 1 SD	-0.1 (-2.1; 2.0)	1.1 (0.9; 1.3)	1.0 (0.9; 1.2)	1.0 (0.8; 1.1)	1.0 (0.9; 1.2)	1.1 (0.9; 1.3)	0.4 (-0.5; 1.4)	-0.0 (-1.1; 1.0)	0.7 (-0.4; 1.7)
Lipids, g/day, for 1 SD	-1.5 (-3.5; 0.4)	1.1 (0.9; 1.3)	1.0 (0.8; 1.1)	1.1 (0.9; 1.3)	1.1 (1.0; 1.3)	1.1 (0.9; 1.2)	-0.5 (-1.4; 0.4)	-0.7 (-1.7; 0.3)	-0.2 (-1.1; 0.8)
Model 2									
Protein, g/day, for 1 SD	-0.9 (-2.9; 1.2)	1.0 (0.9; 1.2)	1.1 (0.9; 1.2)	1.0 (0.9; 1.2)	1.0 (0.8; 1.2)	1.0 (0.8; 1.2)	-0.1 (-1.1; 0.9)	0.05 (-1.0; 1.1)	-0.3 (-1.3; 0.8)
Carbohydrates, g/day, for 1 SD	-0.2 (-2.2; 1.9)	1.1 (0.9; 1.3)	1.0 (0.9; 1.2)	1.0 (0.8; 1.2)	1.0 (0.9; 1.2)	1.1 (0.9; 1.3)	0.4 (-0.6; 1.4)	-0.06 (-1.1; 0.9)	0.6 (-0.4; 1.7)
Lipids, g/day, for 1 SD	-1.6 (-3.5; 0.4)	1.1 (0.9; 1.3)	1.0 (0.8; 1.1)	1.1 (0.9; 1.3)	1.1 (1.0; 1.3)	1.1 (0.9; 1.2)	-0.4 (-1.4; 0.5)	-0.7 (-1.6; 0.3)	-0.1 (-1.1; 0.8)

ASQ: Ages and Stages Questionnaire; IQ: Intelligence Quotient; β: regression coefficient; OR: odds ratio; CI: confidence interval.

Macronutrients were standardized and mutually adjusted for each other. Model 1: Multivariable linear regression models adjusted for children's characteristics (sex, gestational age, birth weight z-scores, exclusive breastfeeding duration, age at complementary feeding introduction, age at neurodevelopment assessment) and maternal characteristics (parity, age at delivery, educational level, BMI pre-pregnancy, smoking habits during pregnancy, alcohol drinking during pregnancy, frequency of fruit and vegetables intake during pregnancy, fish intake during pregnancy and recruitment center). Model 2: Further adjusted for maternal stimulation at 3 years for the ASQ outcomes and parental home stimulation (HOME-score) at 5 years for the IQ outcomes.