

Table S3 Association of breastmilk betaine and related metabolite levels with neurobehavior developmental quotient in offspring (Model I)

Metabolites	Gross motor		Fine motor		Adaptability		Language		Social behavior	
	β (95%CI)	<i>P</i>	β (95%CI)	<i>P</i>	β (95%CI)	<i>P</i>	β (95%CI)	<i>P</i>	β (95%CI)	<i>P</i>
Betaine										
Q3	1.72 (-2.39, 5.82)	0.412	4.70 (0.63, 8.76)	0.024	2.93 (-0.66, 6.52)	0.110	2.97 (-0.49, 6.42)	0.093	3.36 (-0.19, 6.90)	0.063
Q2	-3.70 (-7.80, 0.41)	0.077	-0.76 (-4.82, 3.30)	0.714	-0.56 (-4.15, 3.03)	0.761	1.15 (-2.31, 4.60)	0.514	0.23 (-3.31, 3.78)	0.897
Q1	0		0		0		0		0	
Continuous	3.18 (-0.36, 6.73)	0.078	5.52 (2.07, 8.97)	0.002	3.92 (0.88, 6.97)	0.012	2.49 (-0.45, 5.44)	0.097	3.25 (0.23, 6.27)	0.035
Choline										
Q3	2.38 (-1.80, 6.55)	0.265	4.70 (0.60, 8.80)	0.025	1.58 (-2.05, 5.20)	0.394	1.16 (-2.30, 4.62)	0.511	-1.61 (-5.17, 1.95)	0.375
Q2	0.19 (-3.96, 4.34)	0.928	1.44 (-2.64, 5.52)	0.490	1.87 (-1.74, 5.48)	0.311	2.89 (-0.55, 6.33)	0.100	1.43 (-2.12, 4.97)	0.430
Q1	0		0		0		0		0	
Continuous	2.05 (-1.08, 5.17)	0.199	4.24 (1.19, 7.29)	0.006	2.57 (-0.12, 5.27)	0.061	0.94 (-1.67, 3.54)	0.481	-0.74 (-3.42, 1.95)	0.590
TMAO										
Q3	1.33 (-2.88, 5.53)	0.536	-1.21 (-5.38, 2.95)	0.568	-1.60 (-5.22, 2.03)	0.387	0.18 (-3.32, 3.68)	0.921	1.01 (-2.59, 4.61)	0.582
Q2	1.90 (-2.28, 6.09)	0.373	-2.62 (-6.77, 1.53)	0.216	-3.19 (-6.80, 0.42)	0.083	0.78 (-2.70, 4.27)	0.660	-0.99 (-4.57, 2.59)	0.588
Q1	0		0		0		0		0	
Continuous	0.06 (-1.94, 2.06)	0.950	-0.24 (-2.23, 1.75)	0.813	-0.65 (-2.38, 1.09)	0.464	0.10 (-1.56, 1.77)	0.903	0.07 (-1.64, 1.78)	0.935
L-carnitine										
Q3	-2.10 (-6.22, 2.02)	0.317	-1.10 (-5.24, 3.04)	0.601	0.19 (-3.42, 3.81)	0.917	0.20 (-3.27, 3.66)	0.912	-1.21 (-4.78, 2.36)	0.505
Q2	-4.41 (-8.57, -0.25)	0.038	0.68 (-3.50, 4.86)	0.750	-1.22 (-4.86, 2.43)	0.514	-1.02 (-4.52, 2.48)	0.567	-1.06 (-4.66, 2.54)	0.565
Q1	0		0		0		0		0	
Continuous	-0.81 (-8.47, 6.86)	0.837	1.84 (-5.77, 9.46)	0.635	4.01 (-2.62, 10.63)	0.236	1.29 (-5.08, 7.66)	0.691	-4.40 (-10.93, 2.13)	0.187