Supplementary table 1. Correlation between human milk fatty acids and LSC-r score in mature milk

	Concentration of human milk FAs in total study population in mg/L	Correlation with LSC-r score *Unadjusted model*	Correlation with LSC-r score *Adjusted model*
	Mean (SD)	**Estimate** (95% CI)	**Estimate** (95% CI)
Total FA	37118 (12124)	-240,6 (-607.0, 125.8)	-236.6 (-673.8, 200.6)
SFA	15142 (4996)	-33.9 (-182.0, 114.2)	-63.3 (-240.8, 114.1)
MUFA	15856 (5511)	-122.8 (-289.7, 44.0)	-97.5 (-290.2, 95.3)
PUFA	5502 (1953)	-65.9 (125.9, -5.9)*	-58.0 (-127.1, 11.1)
LC PUFA	712 (235)	-5.3 (-12.5, 1.9)	-3.0 (-11.3, 5.2)
Omega-6 (n6)	4912 (1775)	-67.4 (-121.7, 13.2)*	-61.7 (-123.8, 0.3)
Omega-3 (n3)	584 (225)	1.5 (-5.9, 9.0)	0.6 (-8.1, 9.3)
LC n6	513 (177)	-5.6 (-11.0, -0.2)*	-4.7 (-10.9, 1.6)
LC n3	202 (94.4)	0.6 (-2.4, 3.6)	0.4 (-3.0, 3.9)
LA	4363 (1565)	-56.4 (-103.7, -9.1)*	-53.2 (-106.5, 0.1)
ARA	143 (54.2)	-1.3 (-3.1, 0.4)	-1.3 (-3.2, 0.6)[1]
ALA	385 (170)	0.3 (-5.1, 5.8)	-0.9 (-7.2, 5.4)
EPA	26.2 (15.9)	0.2 (-0.2, 0.7)	0.2 (-0.3, 0.7)
DHA	108 (55.7)	0.4 (-1.4, 2.2)	0.3 (-1.5, 2.2)
n6/n3 ratio	8.7 (2.4)	-0.1 (-0.2, -0.06)**	-0.1 (-0.2, -0.05)**
LA/ALA ratio	12.4 (4.9)	-0.16 (-0.28, -0.03)*	-0.11 (-0.24, 0.01)

Transitional milk includes the milk samples collected at postpartum day 10. Mature milk includes all the samples collected at postpartum day 17 and 24.

Total *n* per time point: p17 = 93, p24 = 92.

*= significantly association ($p<0.05$), **=significant association ($p<0.01$).
Analysis is adjusted for maternal fatty acid intake, maternal BMI and maternal education.

Abbreviations: ALA = alpha-linoleic acid, ARA = arachidonic acid, CI = confidence interval, DHA = docosahexaenoic acid, EPA = eicosapentaenoic acid, FA = fatty acids, LA = linoleic acid, LC = long chain, MUFA = monounsaturated fatty acids, n3 = omega-3, n6 = omega-6, PUFA = polyunsaturated fatty acids, SD = standard deviation, SFA = saturated fatty acids