

Supplementary Table 1. Circulating fatty acids and metabolites in offspring from obese mothers (OOM) and the offspring of lean mothers (OLM).

Variable	<i>OOM</i>		<i>OLM</i>	
	Mean	SD	Mean	SD
Total fatty acids	9.517 ±	1.500	9.353 ±	1.089
22:6, docosahexaenoic acid	0.132 ±	0.043	0.155 ±	0.036
18:2, linoleic acid	2.561 ±	0.420	2.403 ±	0.327
Omega-3 fatty acids	0.468 ±	0.152	0.536* ±	0.100
Omega-6 fatty acids	3.218 ±	0.492	3.121 ±	0.355
Saturated fatty acids	3.476 ±	0.554	3.373 ±	0.382
DHA/FA (Ratio of 22:6 docosahexaenoic acid to total fatty acids)	1.376 ±	0.300	1.673* ±	0.391
Ratio of 18:2 linoleic acid to total fatty acids	27.00 ±	2.801	25.72 ±	2.346
Ratio of conjugated linoleic acid to total fatty acids	0.069 ±	0.054	0.099 ±	0.088
Ratio of omega-3 fatty acids to total fatty acids	4.855 ±	0.953	5.763 ±	1.111
Ratio of omega-6 fatty acids to total fatty acids	33.89 ±	2.319	33.44 ±	2.110
Ratio of polyunsaturated fatty acids to total fatty acids	38.74 ±	2.503	39.19 ±	2.234
Ratio of monounsaturated fatty acids to total fatty acids	24.75 ±	2.653	24.72 ±	2.966
Ratio of saturated fatty acids to total fatty acids	36.51 ±	1.353	36.10 ±	1.738
Glucose	4.418 ±	0.471	4.369 ±	0.543
Lactate	1.315 ±	0.234	1.222 ±	0.200
Pyruvate	0.074 ±	0.022	0.070 ±	0.014
Citrate	0.117 ±	0.016	0.112 ±	0.018
Glycerol	0.084 ±	0.032	0.081 ±	0.034
Alanine	0.364 ±	0.066	0.348 ±	0.035
Glutamine	0.506 ±	0.048	0.487 ±	0.047
Glycine	0.264 ±	0.046	0.260 ±	0.072
Histidine	0.057 ±	0.009	0.055 ±	0.008

Isoleucine	0.045	±	0.011	0.042	±	0.011
Leucine	0.055	±	0.012	0.055	±	0.012
Valine	0.162	±	0.032	0.164	±	0.033
Phenylalanine	0.061	±	0.008	0.062	±	0.005
Tyrosine	0.050	±	0.008	0.050	±	0.008
Acetate	0.041	±	0.007	0.041	±	0.008
Acetoacetate	0.094	±	0.070	0.079	±	0.048
3-hydroxybutyrate	0.198	±	0.144	0.183	±	0.129
Creatinine	0.053	±	0.009	0.053	±	0.010
Albumin	0.076	±	0.005	0.077	±	0.004
Glycoprotein acetyls, mainly a1-acid glycoprotein	1.114	±	0.110	1.082	±	0.114

Data are expressed as mean ± S.D. Metabolites are expressed in mmol/L except where indicated otherwise. Ratios are expressed as percentages. * P < 0.05 comparing OOM and OLM. OOM n = 15, OLM n = 20.

