nutrients

MDPI

Supplementary Table 1. Offspring organ and tissue weights at 4 and 8 weeks of age.

Experimental Group	Male				Female			
	High LA (18% Fat)	High LA (36% Fat)	Low LA (18% Fat)	Low LA (36% Fat)	High LA (18% Fat)	High LA (36% Fat)	Low LA (18% Fat)	Low LA (36% Fat)
4 Week Offspring								
Heart (g)	0.54 ± 0.03[a]	0.48 ± 0.01[b]	0.54 ± 0.03[a]	0.41 ± 0.03[b]	0.51 ± 0.03[a]	0.44 ± 0.02[b]	0.51 ± 0.03[a]	0.41 ± 0.02[b]
Lungs (g)	1.16 ± 0.04	0.98 ± 0.09	1.09 ± 0.07	1.04 ± 0.07	1.32 ± 0.15[a]	1.01 ± 0.07[b]	1.20 ± 0.12[a]	0.90 ± 0.05[b]
Kidney (g)	1.21 ± 0.07[a]	1.03 ± 0.03[b]	1.18 ± 0.04[a]	0.86 ± 0.05[b]	1.12 ± 0.05[a]	0.89 ± 0.04[b]	1.12 ± 0.05[a]	0.81 ± 0.04[b]
Liver (g)	5.68 ± 0.43[a]	4.52 ± 0.22[b]	5.43 ± 0.27[a]	3.81 ± 0.25[b]	4.74 ± 0.33[a]	3.82 ± 0.20[b]	4.77 ± 0.16[a]	3.55 ± 0.22[b]
Gonadal fat (g)*	0.55 ± 0.06	0.47 ± 0.04	0.60 ± 0.04	0.32 ± 0.04	0.59 ± 0.08	0.55 ± 0.07	0.79 ± 0.05	0.42 ± 0.05
Retroperitoneal fat (g)	0.66 ± 0.09[a]	0.48 ± 0.05[b]	0.56 ± 0.03[a]	0.40 ± 0.05[b]	0.41 ± 0.08[a]	0.28 ± 0.03[b]	0.42 ± 0.03[a]	0.27 ± 0.03[b]
8 Week Offspring								
Brain (g)	1.91 ± 0.05[a]	1.69 ± 0.05[b]	1.87 ± 0.02[a]	1.72 ± 0.03[b]	1.71 ± 0.05[a]	1.63 ± 0.05[b]	1.66 ± 0.04[a]	1.51 ± 0.04[b]
Heart (g)	1.17 ± 0.04[a]	1.09 ± 0.05[b]	1.23 ± 0.04[a]	1.14 ± 0.03[b]	0.83 ± 0.04	0.79 ± 0.03	0.82 ± 0.04	0.76 ± 0.03
Lungs (g)	2.09 ± 0.24	1.83 ± 0.14	2.11 ± 0.19	1.91 ± 0.16	1.15 ± 0.11	1.31 ± 0.06	1.27 ± 0.05	1.28 ± 0.08
Kidney (g)	2.83 ± 0.20[a]	2.47 ± 0.08[b]	2.88 ± 0.08[a]	2.66 ± 0.12[b]	1.89 ± 0.10	1.70 ± 0.07	1.78 ± 0.06	1.67 ± 0.06
Liver (g)	16.28 ± 0.46[a]	14.85 ± 0.75[b]	17.04 ± 0.79[a]	15.19 ± 0.44[b]	9.63 ± 0.61	9.06 ± 0.43	9.37 ± 0.35	8.70 ± 0.24
Gonadal fat (g)	4.43 ± 0.40[a]	3.73 ± 0.31[b]	4.62 ± 0.38[a]	3.62 ± 0.32[b]	2.95 ± 0.32	2.83 ± 0.11	3.47 ± 0.27	3.01 ± 0.46
Retroperitoneal fat (g)	4.11 ± 0.30	3.88 ± 0.41	4.55 ± 0.40	3.52 ± 0.31	1.89 ± 0.26	1.89 ± 0.32	2.01 ± 0.21	1.40 ± 0.05

All values are mean ± SEM. A two-way ANOVA was used to analyse results with maternal dietary fatty acid ratio and maternal dietary fat content as factors, all comparisons are made within sex groups. Different superscripts denote values which are significantly different (P<0.05). * indicates a significant interaction effect of maternal dietary fatty acid ratio and maternal fat content on gonadal fat weight in male and female offspring (P<0.05). n=6-9 per dietary group.