

**Supplementary Table 1: Summary of n-6 PUFA balance**

Dietary Group:	Control (n=10)	ALA (n=10)	DHA (n=10)
Intake of LNA (μmol)	190055 ± 5097	175479 ± 5456	189164 ± 6855
Fecal Excretion of LNA (μmol)	950 ± 25	877 ± 27	946 ± 34
Body Content of n-6 PUFA (μmol)			
Day 0	1491 ± 35	1491 ± 35	1491 ± 35
Day 105	35231 ± 1639	29170 ± 2846	32391 ± 2116
Brain Content of n-6 PUFA (μmol)			
Day 0	14 ± 0.6	14 ± 0.6	14 ± 0.6
Day 105	24 ± 0.9	20 ± 0.9	17 ± 0.9
Total Accretion (μmol)			
LNA	30313 ± 2029	25157 ± 2808	28810 ± 3054
18:3n-6	57 ± 5	52 ± 5	41 ± 5
20:2n-6	181 ± 19	169 ± 14	167 ± 17
ARA	2132 ± 97 <sup>a</sup>	1806 ± 93 <sup>ab</sup>	1539 ± 85 <sup>b</sup>
22:4n-6	188 ± 13 <sup>a</sup>	138 ± 12 <sup>a</sup>	97 ± 12 <sup>b</sup>
DPA n-6	751 ± 16 <sup>a</sup>	168 ± 9 <sup>b</sup>	67 ± 13 <sup>c</sup>
Total	33621 ± 1631	27489 ± 2843	30720 ± 2111
Metabolic consumption of dietary PUFA (μmol)	155702 ± 4279	147161 ± 5213	157517 ± 5519

Data are means ± SEM, different letters signify means are significantly different (p<0.05) measured by One-Way ANOVA followed by Tukey's test for multiple comparisons