

Supplementary Table 2: Whole body fatty acids for rats fed the control, ALA or DHA diet for 15 weeks

Fatty Acid	Control		ALA		DHA	
12:0	26353	± 1935	23532	± 2238	23339	± 2308
14:0	19223	± 1126	17606	± 1277	18211	± 1610
14:1n-7	1507	± 97	1331	± 109	1280	± 130
16:0	51757	± 3778	44604	± 3897	51092	± 5729
16:1n-7	18719	± 1581	16111	± 1454	17497	± 2287
18:0	6703	± 327	6101	± 299	6863	± 483
18:1n-9	45830	± 3338	38781	± 3325	40657	± 4800
18:1n-7	8998	± 674	7553	± 583	7340	± 739
18:2n-6	31605	± 1554	29104	± 1667	30102	± 2055
18:3n-6	73	± 5	67	± 5	56	± 5
18:3n-3	89	± 6 ^a	1557	± 99 ^b	93	± 7 ^a
20:1n-9	201	± 16	189	± 14	176	± 17
20:2	206	± 19	194	± 13	192	± 20
20:3n-3	112	± 7 ^a	137	± 11 ^{ab}	192	± 21 ^b
ARA (20:4n-6)	2280	± 98 ^a	1954	± 93 ^{ab}	1688	± 44 ^b
EPA (20:5n-3)	55	± 3 ^a	76	± 9 ^b	80	± 8 ^b
22:4n-6	205	± 16 ^a	155	± 12 ^{ab}	115	± 6 ^b
22:5n-6	533	± 21 ^a	124	± 6 ^b	52	± 3 ^c
22:5n-3	19	± 2 ^a	101	± 7 ^b	80	± 7 ^b
DHA (22:6n-3)	106	± 6 ^a	481	± 40 ^b	1160	± 63 ^c

Data are expressed in μmol , as mean \pm SEM. Different letters signify the means are significantly different ($p < 0.05$) measured by One-way ANOVA followed by Tukey's test for multiple comparisons or Kruskal-Wallis test followed by Dunn's multiple comparison test (if variances were significantly different).