

Supplementary Table 5. Striatum fatty acid concentrations for rats fed the control, ALA or DHA diet for 15 weeks

Fatty Acid	Control (n=11)	ALA (n=11)	DHA (n=11)
14:0	297 ± 30	251 ± 21	304 ± 33
16:0	23013 ± 769	21970 ± 705	22887 ± 678
16:1n-7	386 ± 43	433 ± 29	481 ± 16
18:0	25623 ± 910	25048 ± 866	25703 ± 540
18:1n-9	22958 ± 1049	21774 ± 984	23876 ± 648
18:1n-7	4491 ± 172	4189 ± 167	4362 ± 100
18:2n-6	492 ± 24 ^a	561 ± 27 ^a	684 ± 25 ^b
20:0	471 ± 35	407 ± 24	437 ± 18
20:1n-9	1882 ± 120	1665 ± 98	1873 ± 98
20:2	127 ± 9	111 ± 8	123 ± 7
20:3n-3	245 ± 13 ^a	249 ± 19 ^a	356 ± 21 ^b
ARA (20:4n-6)	10044 ± 511	9408 ± 547	9410 ± 389
EPA (20:5n-3)	578 ± 50	479 ± 32	499 ± 48
22:1n-9	288 ± 24 ^a	147 ± 16 ^b	339 ± 39 ^a
22:4n-6	2755 ± 145 ^a	2387 ± 145 ^{ab}	2196 ± 95 ^b
22:5n-6	3356 ± 180 ^a	331 ± 24 ^b	89 ± 6 ^c
24:1n-9	716 ± 55	643 ± 47	732 ± 52
22:5n-3	15 ± 2 ^a	54 ± 3 ^b	60 ± 5 ^b
DHA (22:6n-3)	6395 ± 377 ^a	8698 ± 742 ^b	10415 ± 632 ^b

Data shown are means +/- SEM and are expressed in nmol/g of brain. 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).