

Supplementary Table 7. Brain stem 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	385 ± 39	366 ± 24	346 ± 42
16:0	21680 ± 926 ^a	20463 ± 413 ^{ab}	20092 ± 1106 ^b
16:1n-7	271 ± 53	394 ± 69	504 ± 121
18:0	27867 ± 1150	26673 ± 533	27100 ± 2378
18:1n-9	38598 ± 2270	38569 ± 972	37744 ± 1713
18:1n-7	8318 ± 278 ^a	7969 ± 153 ^{ab}	7521 ± 150 ^b
18:2n-6	696 ± 43 ^a	835 ± 33 ^b	1020 ± 148 ^b
20:0	1926 ± 118	1789 ± 98	1695 ± 56
20:1n-9	8088 ± 363	7801 ± 455	7599 ± 217
20:2	468 ± 30	418 ± 18	409 ± 15
20:3n-3	483 ± 49	470 ± 18	560 ± 58
ARA (20:4n-6)	8755 ± 339 ^a	7905 ± 255 ^{ab}	7219 ± 212 ^b
EPA (20:5n-3)	1677 ± 139	1564 ± 115	1432 ± 96
22:1n-9	1324 ± 237 ^a	1773 ± 346 ^a	536 ± 17 ^b
22:4n-6	4257 ± 174 ^a	3083 ± 121 ^b	2573 ± 67 ^b
22:5n-6	3535 ± 117 ^a	172 ± 11 ^b	58 ± 2 ^c
24:1n-9	2244 ± 162	2230 ± 156	2104 ± 102
22:5n-3	41 ± 9 ^a	76 ± 4 ^{ab}	112 ± 15 ^b
DHA (22:6n-3)	3956 ± 112 ^a	6801 ± 378 ^b	6945 ± 315 ^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).