Supplementary Table 3. Cortex fatty acid concentrations for rats fed the control, ALA and DHA diets for 15 weeks

Fatty Acid	Control (n=11)	ALA (n=11)	DHA (n=11)
14:0	186 ± 6	176 ± 5	191 ± 6
16:0	18857 ± 341	18295 ± 216	18552 ± 417
16:1n-7	313 ± 33	351 ± 34	361 ± 35
18:0	17286 ± 412	17115 ± 223	17319 ± 262
18:1n-9	14247 ± 374	14618 ± 330	14642 ± 760
18:1 n-7	2744 ± 62	2651 ± 55	2670 ± 61
18:2n-6	309 ± 9 [a]	379 ± 10 [b]	464 ± 15 [c]
20:0	199 ± 11	214 ± 8	221 ± 9
20:1n-9	801 ± 27	846 ± 33	848 ± 73
20:2	81 ± 4	74 ± 8	85 ± 3
20:3n-3	109 ± 7 [a]	150 ± 7 [b]	195 ± 10 [c]
ARA (20:4n-6)	6440 ± 222	6607 ± 217	6344 ± 197
EPA (20:5n-3)	196 ± 9	212 ± 10	223 ± 14
22:1n-9	104 ± 47	58 ± 4	67 ± 9
22:4n-6	1849 ± 66 [a]	1745 ± 59 [a]	1525 ± 50 [b]
22:5 n-6	2719 ± 124 [a]	275 ± 18 [b]	76 ± 6 [c]
24:1n-9	335 ± 14 [a]	380 ± 15 [ab]	403 ± 20 [b]
22:5 n-3	20 ± 2 [a]	57 ± 4 [b]	68 ± 4 [b]
DHA (22:6n-3)	3980 ± 232 [a]	7096 ± 407 [b]	7730 ± 379 [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).