

Supplementary Table 4. Cerebellum 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	187 ± 21	216 ± 8	233 ± 12
16:0	20542 ± 538	20382 ± 839	20035 ± 246
16:1n-7	324 ± 22	447 ± 56	315 ± 43
18:0	19206 ± 625	19468 ± 800	19542 ± 444
18:1n-9	19343 ± 757	20097 ± 982	22498 ± 1295
18:1n-7	4803 ± 130	4770 ± 181	4901 ± 129
18:2n-6	681 ± 39 <sup>a</sup>	804 ± 32 <sup>ab</sup>	1025 ± 74 <sup>b</sup>
20:0	547 ± 27	581 ± 27	626 ± 55
20:1n-9	2255 ± 91 <sup>a</sup>	2410 ± 200 <sup>ab</sup>	2838 ± 247 <sup>b</sup>
20:2n-6	212 ± 10	228 ± 7	251 ± 15
20:3n-3	294 ± 12 <sup>a</sup>	320 ± 14 <sup>a</sup>	374 ± 17 <sup>b</sup>
ARA (20:4n-6)	6744 ± 225	6304 ± 255	5971 ± 159
EPA (20:5n-3)	454 ± 21	507 ± 34	566 ± 59
22:1n-9	196 ± 12	200 ± 14	199 ± 12
22:4n-6	2469 ± 85 <sup>a</sup>	1899 ± 67 <sup>b</sup>	1598 ± 58 <sup>c</sup>
22:5n-6	3187 ± 143 <sup>a</sup>	214 ± 15 <sup>b</sup>	57 ± 6 <sup>c</sup>
24:1n-9	660 ± 22	718 ± 31	810 ± 76
22:5n-3	26 ± 1 <sup>a</sup>	77 ± 3 <sup>b</sup>	99 ± 5 <sup>b</sup>
DHA (22:6n-3)	5958 ± 309 <sup>a</sup>	7943 ± 483 <sup>b</sup>	9032 ± 328 <sup>b</sup>

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).