

Supplementary Table 14. Rest of brain gene expression in rats fed the control, ALA and DHA diet for 15 weeks.

Dietary Group	Control		ALA		DHA	
b actin	1	± 0.07	1.00	± 0.11	1.08	± 0.34
15 LOX	1	± 1.56	0.62	± 1.37	1.07	± 1.39
BDNF	1	± 0.31	0.99	± 0.46	0.99	± 0.25
DR D2	1	± 0.22	1.00	± 0.16	1.05	± 0.38
EGFR	1	± 0.10	1.06	± 0.14	1.08	± 0.36
HO1	1	± 0.15	1.00	± 0.13	1.04	± 0.27
sPLA2	1	± 0.43 ^{ab}	0.67	± 0.36 ^a	1.17	± 0.50 ^b
cPLA2	1	± 0.15	0.85	± 0.21	0.99	± 0.32
iPLA2	1	± 0.15	0.95	± 0.15	1.10	± 0.43
PPARg	1	± 0.33	1.18	± 0.31	1.14	± 0.51
PGES3	1	± 0.19	0.99	± 0.20	1.14	± 0.26
COX 2	1	± 0.32	0.92	± 0.30	1.21	± 0.73
RAR a	1	± 0.08	0.91	± 0.14	1.09	± 0.46
RXR a	1	± 0.10	1.05	± 0.10	1.17	± 0.37
RXR b	1	± 0.13	0.91	± 0.07	1.12	± 0.58
VMAT2	1	± 0.30	1.12	± 0.22	1.08	± 0.38
SNCa	1	± 0.12	0.97	± 0.15	1.09	± 0.40
TH	1	± 0.18	1.09	± 0.20	1.18	± 0.67
TIA1	1	± 0.13	0.97	± 0.16	1.08	± 0.22
TNFaR1a	1	± 0.11	0.95	± 0.13	1.06	± 0.54
TTR	1	± 0.42	0.71	± 0.43	1.08	± 0.64
UCP2	1	± 0.10	0.97	± 0.15	1.20	± 0.81

Data are expressed as mean RQ ± SD. 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).