Supplementary Table 12. Hippocampus gene expression in rats fed the control, ALA and DHA diet for 15 weeks.

Dietary Group	Control	ALA	DHA
B-actin	1 ± 0.16	1.13 ± 0.15	1.12 ± 0.22
15 LOX	1 ± 0.34	0.74 ± 0.45	0.96 ± 0.67
BDNF	1 ± 0.18	1.03 ± 0.22	1.13 ± 0.16
DR D2	1 ± 0.41	1.27 ± 1.18	0.95 ± 0.52
EGFR	1 ± 0.09	1.10 ± 0.19	1.04 ± 0.22
HO1	1 ± 0.13	1.01 ± 0.23	1.03 ± 0.24
sPLA2	1 ± 0.38	1.08 ± 0.61	0.93 ± 0.50
cPLA2	1 ± 0.36	1.10 ± 0.24	0.98 ± 0.23
iPLA2	1 ± 0.10	1.02 ± 0.15	1.05 ± 0.18
PPARγ	1 ± 0.73	0.47 ± 0.33	0.47 ± 0.22
PGES3	1 ± 0.20	1.00 ± 0.19	1.11 ± 0.22
COX 2	1 ± 0.34	1.15 ± 0.25	1.12 ± 0.25
RAR a	1 ± 0.33	0.96 ± 0.27	0.97 ± 0.19
RXR a	1 ± 0.17	1.08 ± 0.19	1.10 ± 0.14
RXR b	1 ± 0.15	0.97 ± 0.22	1.07 ± 0.17
VMAT 2	1 ± 1.43	0.84 ± 0.70	1.26 ± 1.73
SNCa	1 ± 0.21	1.10 ± 0.21	1.19 ± 0.18
TH	1 ± 0.32	1.15 ± 0.70	1.01 ± 0.41
TIA1	1 ± 0.15	1.09 ± 0.24	1.08 ± 0.25
TNFa R 1a	1 ± 0.20	1.14 ± 0.22	0.99 ± 0.26
TTR	1 ± 1.91	6.67 ± 10.18	2.40 ± 2.88
UCP2	1 ± 0.21	1.26 ± 0.29	1.07 ± 0.34

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).