

Supplementary Table 13. Striatum gene expression in rats fed the control, ALA and DHA diet for 15 weeks.

Dietary Group	Control		ALA		DHA	
b actin	1	± 0.11	1.04	± 0.13	0.92	± 0.13
15 LOX	1	± 0.59	1.00	± 0.69	1.46	± 0.95
BDNF	1	± 1.10	1.01	± 0.80	2.10	± 1.98
DR D2	1	± 0.24	1.20	± 0.24	0.98	± 0.29
EGFR	1	± 0.27	1.00	± 0.24	0.82	± 0.22
HO1	1	± 0.18	1.09	± 0.21	0.94	± 0.12
sPLA2	1	± 0.41	0.46	± 0.39	0.68	± 0.65
cPLA2	1	± 0.39	1.04	± 0.19	0.92	± 0.21
iPLA2	1	± 0.14	0.96	± 0.18	0.90	± 0.17
PPAR α	1	± 1.52	0.90	± 0.38	0.83	± 0.64
PGES3	1	± 0.65	0.95	± 0.69	0.92	± 0.64
COX 2	1	± 0.23 ^{ab}	1.04	± 0.30 ^a	0.75	± 0.17 ^b
RAR α	1	± 0.24	0.93	± 0.22	0.93	± 0.24
RXR α	1	± 0.22	1.14	± 0.14	1.02	± 0.21
RXR β	1	± 0.17	1.10	± 0.18	1.02	± 0.25
SNC α	1	± 0.13	1.05	± 0.14	0.97	± 0.13
TH	1	± 0.50	1.12	± 0.26	1.19	± 0.31
TIA1	1	± 0.14	1.01	± 0.24	0.89	± 0.19
TNF α R1 α	1	± 0.22	0.98	± 0.22	0.88	± 0.26
TTR	1	± 1.37	2.37	± 4.92	0.66	± 0.77
UCP2	1	± 0.16	1.09	± 0.23	1.00	± 0.24

Data are expressed as mean RQ \pm 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).