Electronic Supplementary Material (ESI) for Food & Function.

Supporting information

Table S1 Main fatty acid composition of EPA-PL and EPA-TG

FA (%)	EPA-PL		EPA-TG	
	Total	sn-2-	Total	sn-2-
C13:0	--	--	0.91	--
C14:0	--	--	7.50	1.01
C16:0	2.83	1.15	15.90	3.32
C16:1	11.25	7.50	27.37	34.20
C18:0	3.28	2.71	--	--
C18:1	6.06	5.62	4.97	3.37
C18:2	15.21	4.35	2.09	1.82
C18:3	2.12	1.43	--	--
C20:1	4.36	1.21	--	--
C20:3	--	--	5.18	2.32
C20:4	5.80	7.06	--	--
C20:5	45.71	67.29	35.19	52.88
C22:6	3.38	1.68	0.89	1.08

Note: --, none detected

Table S2 Composition of the experimental diet

Ingredients(g kg^{-1})	M	EPA-PL	EPA-TG
Sucrose	350	350	350
Casein	200	200	200
Potato starch	150	150	150
Powedered cellulose	50	50	50
Soy oil	50	47.5	47.25
Lard	150	142.5	141.75
Mineral Mix	35	35	35
Vintamin Mix	10	10	10
Choline Bitatrate	2	2	2
DL-Methionine	3	3	3
EPA-PL	--	10	--
EPA-TG	--	--	11

Note: --, none added.

Table S3 Main fatty acid composition of experimental diets EPA-PL and EPA-TG

Fatty acid composition (%)	EPA-PL group	EPA-TG group
C16:0	21.10	21.69
C16:1	2.65	3.76
C18:0	11.61	11.34
C18:1	37.79	37.40
C18:2	21.95	21.17
C18:3	2.67	2.55
C20:4	0.25	--
C20:5	1.98	2.09
∑SFA	32.71	33.03
∑MUFA	40.44	41.16
∑PUFA	26.85	25.81

Note: --, none detected.

Table S4 Primer sequences of RT-qPCR amplification

Gene	Forward primer	Reverse primer
Fasn	TTGATGATTCAGGGAGTGGA	AGCAGATGAGTTGTTCTTGGAC
Me	TCACCTGCCCTAATGTCCCT	CATGCCGTTATCAACTTGTCC
G6pd	GTTTGGCAGCGGCAACTAA	GGCATCACCCTGGTACAACTC
Scd1	CCACTCGCCTACACCAACG	GGGGTCCCTCCTCATCCT
Srebp-1c	AACCTCATCCGCCACCTG	TGGTAGACAACAGCCGCATC
Pparα	GTACGGCAATGGCTTTATCA	CAATCCCCTCCTGCAACTT
Cpt1a	CTCAGTGGGAGCGACTCTTCA	GGCCTCTGTGGTACACGACAA
Acox1	GTATAAACTCTTCCCGCTCCTG	CACACAGTAGACGGCCTGAC
Acaa1a	GTATAAACTCTTCCCGCTCCTG	CACACAGTAGACGGCCTGAC
Ehhadh	ATGGCCAGATTTCAGGAATG	TGCCACTTTTGTTGATTTGC
Ucp2	CACTTTCCCTCTGGATACCG	GTGCTCTGGTATCTCCGACC
Cd36	GATGACGTGGCAAAGAACAG	CAGTGAAGGCTCAAAGATGG
Srebp-2	CTGCAACAACAGACGGTAATGA	CCATTGGCCGTTTGTGTCAG
Hmgcr	GGACCCCTTTGCTTAGATGAAA	CCACCAAGACCTATTGCTCTG
Cyp7a1	ACTGCTAAGGAGGATTTCACTCT	CTCATCCAGGTATCGATCATATT
Acat2	GCCTTCGCCGAGATGCT	GTAGTTGGAGAAGGAAGTCGAGTTC
Abcg5	TGGATCCAACACCTCTATGCTAAA	GGCAGGTTTTCTCGATGAACTG
Abcg8	GACATCTGGCACCCCTATCTAC	GTTCCTTTGCCTCAGCTTTC
Abca1	TAGCAGCACCGTGTCTTGTC	TACGGCAGCACATAGGTCAG
Scarb	GCAAATTTGGCCTGTTTGTT	AGGATTCGGGTGTCATGAAG
Ldlr	GAGGAACTGGCGGCTGAA	GTGCTGGATGGGGAGGTCT
β-actin	CAGGCATTGCTGACAGGATG	TGCTGATCCACATCTGCTGG