

Table S1. The mean individual fatty acids (FA) (% of total FA) in breast meat of chickens fed the CON and CEO diets at 42nd day.

Fatty acids	Dietary treatment			Significance
	CON	CCE	SEM	
Myristic acid (C _{14:0})	0.325	0.297	0.008	0.560
Pentadecanoic acid (C _{15:0})	0.23	0.19	0.009	0.409
Palmitic acid (C _{16:0})	17.12	16.74	0.85	0.394
Palmitoleic acid (C _{16:1 n-7})	1.18	1.27	0.27	0.522
Margaric acid (C _{17:0})	0.12	0.11	0.05	0.704
Stearic acid (C _{18:0})	8.16	7.91	0.72	0.498
C _{18:1 trans}	0.02	0.047	0.07	0.499
Oleic acid (C _{18:1 cis-9})	23.93	23.23	1.428	0.346
cis-Vaccenic acid (C _{18:1 cis-11})	1.693	1.698	0.112	0.931
Linoleic acid (C _{18:2 n-6 cis})	32.16	33.26	2.214	0.323
α- Linolenic acid (C _{18:3 n-3})	2.835	2.933	0.434	0.657
γ- Linolenic acid (C _{18:3 n-6})	0.20	0.245	0.098	0.363
Eicosadienoic acid (C _{20:2 n-6})	0.74	0.656	0.119	0.184
Eicosatrienoic acid (C _{20:3 n-6})	0.702	0.776	0.168	0.393
Arachidonic acid (C _{20:4 n-6})	9.04	9.13	2.034	0.942
Docosadienoic acid (C _{22:2 n-6})	0.164	0.170	0.074	0.872
Eicosapentanoic acid (C _{22:5 n-6})	0.791	0.822	0.201	0.770
Docosahexaenoic acid (C _{22:6 n-3})	0.532	0.456	0.185	0.459
Saturated fatty acids (SFA)	25.96	25.24	1.301	0.290
Unsaturated fatty acids (USFA)	73.99	74.69	1.346	0.313
SFA/ UNFA	0.351	0.338	0.024	0.296
Monounsaturated fatty acids (MUFA)	26.82	26.25	1.649	0.499
Polyunsaturated fatty acids (PUFA)	47.17	48.45	1.689	0.096
Atherogenic Index (AI)	0.25	0.24	0.017	0.321

Atherogenicity index (AI) was calculated according to the equation: (C_{12:0} + 4 × C_{14:0} + C_{16:0})/(PUFA + MUFA), as described by Mavrommatis et al. [1].

1. Mavrommatis, A.; Sotirakoglou, K.; Kamilaris, C.; Tsiplakou, E. Effects of Inclusion of *Schizochytrium* spp. and Forage-to-Concentrate Ratios on Goats' Milk Quality and Oxidative Status. *Foods* **2021**, *10*, 1322, doi:10.3390/foods10061322.