

ONLINE SUPPLEMENTARY MATERIAL

Supplemental Table 1

	Chicken		Beef		SEM	P-values		
	Lean	Fat	Lean	Fat		P _s	P _f	P _{s×f}
Duodenum	3.6	3.6	3.4	3.8	0.16	.895	.186	.201
Colon	3.6	3.8	3.4	3.7	0.16	.472	.146	.887
Heart	13.9	13.7	13.3	13.6	0.37	.267	.780	.485
Kidney	17.4	18.7	18.2	18.9	0.83	.486	.169	.634
Liver	58.4	52.0	51.0	52.2	3.70	.312	.460	.281
Brains	0.94	0.99	0.99	0.93	0.03	.837	.864	.078

Glutathion peroxidase ($\mu\text{mol}/(\text{min.g})$) in selected organs of rats following 2 weeks consumption of the experimental diets. SEM= standard error of the mean, P_s = P-value of the fixed factor protein source, P_f = P-value of the fixed factor fat content, P_{s×f} = P-value of the interaction term, P-values between 0.05 and 0.10 are highlighted in italic.

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Supplemental Table 2

		Chicken		Beef		SEM	P-values		
		Lean	Fat	Lean	Fat		P _s	P _f	P _{s×f}
Total FA	g/100g	4.91 ^b	8.10 ^a	4.00 ^b	7.13 ^a	0.423	.043	<.001	.938
SFA	g/100g	1.64 ^b	2.47 ^a	1.52 ^b	2.28 ^a	0.122	.174	<.001	.711
MUFA	g/100g	1.71 ^b	2.84 ^a	1.22 ^b	2.30 ^a	0.193	.017	<.001	.887
PUFA	g/100g	1.55 ^b	2.76 ^a	1.26 ^b	2.54 ^a	0.146	.104	<.001	.792
LC n-3 PUFA	mg/100g	100 ^c	184 ^a	131 ^b	192 ^a	7.3	.015	<.001	.141
DHA	mg/100g	86 ^c	144 ^a	112 ^b	146 ^a	5.9	.019	<.001	.034
ALA	mg/100g	11 ^b	49 ^a	6 ^b	38 ^a	3.5	.032	<.001	.379
LC n-6 PUFA	mg/100g	591 ^b	789 ^a	586 ^b	797 ^a	25.2	.945	<.001	.805
LA	mg/100g	851 ^b	1735 ^a	538 ^b	1517 ^a	172.8	.046	<.001	.704

Liver fatty acid composition of rats following 2 weeks consumption of the experimental diets. Total FA = total fatty acids; SFA=saturated fatty acids; MUFA = monounsaturated fatty acids; PUFA = polyunsaturated fatty acids; LC n-3 PUFA = long chain n-3 polyunsaturated fatty acids (C20:5,n-3; C22:5,n-3; C22:6,n-3); DHA= docosahexaenoic acid; ALA = α -linolenic acid (C18:3,n-3); LA = linoleic acid (C18:2,n-6); LC n-6 PUFA = Long chain n-6 polyunsaturated fatty acids (C20:4,n-6; C22:4,n-6; C22:5,n-6); FA = fatty acid; Different superscripts indicate significant differences ($P < 0.05$) among diets. P_s = P-value of the fixed factor protein source, P_f = P-value of the fixed factor fat content, P_{h×f} = P-value of the interaction term, P-values < 0.05 are highlighted in bold.