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Supplement of

Quality traits of *longissimus lumborum* muscle from White Mangalica, Duroc × White Mangalica and Large White pigs reared under intensive conditions and slaughtered at 150 kg live weight: a comparative study

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Table S1. Pig age and weight range, and ingredients and chemical composition of diets

	Pre-starter I	Pre-starter II	Starter	Grower	Pre-finisher	Finisher I	Finisher II
<i>Pig age and weight range</i>							
All group of pigs	from birth to weaning	first 7 days after weaning	to 15 kg	to 25 kg	to 60 kg	to 120 kg	from 120 kg
<i>Ingredients (%)</i>							
Corn	24	41	57	67	68	70	68
Soybean meal (44% CP)	13	21	21	23	15	8	3
Soybean grits	7						
Soybean oil	3	2	2				
Sunflower meal (33% CP)					5	6	6
Wheat meal				3	6	10	15
ActiProt (protein-rich feed)					3	3	5
Mixomel 38 (diary feed)	17	12	7				
Fokkamix 80 (source of lactose)	22	10	4				
Fish meal	4	4	4	2			
Dextrose	5	5					
Premix (vitamin mineral mixture)*	5	5	5	5	3	3	3
<i>Analyzed chemical composition (%)</i>							
Crude protein (N x 6.25)	22.00	21.30	20.50	18.30	16.30	14.30	13.40
Crude fat	7.00	5.00	5.00	3.50	3.60	3.80	4.00
Cellulose	2.70	3.20	3.50	3.90	4.80	4.90	5.10
Lysine	1.60	1.50	1.40	1.15	0.85	0.70	0.58
Methionine	0.40	0.38	0.35	0.30	0.25	0.20	0.22
Threonine	0.90	0.85	0.75	0.67	0.55	0.50	0.44
Tryptophan	0.28	0.28	0.25	0.20	0.19	0.16	0.14
Lactose	21.50	10.50	5.00	0.00	0.00	0.00	0.00
ME (MJ/kg)	15.00	14.50	14.40	13.75	13.55	13.10	13.10

* Pre-starter I and II: vitamin A, 350.000 IU; vitamin D₃, 40.000 IU; vitamin E, 1.500 mg; vitamin K₃, 70 mg; vitamin B₁, 80 mg; vitamin B₂, 150 mg; vitamin B₆, 100 mg; vitamin B₁₂, 0.8 mg; vitamin C, 1.000 mg; niacin, 800 mg; calpan, 400 mg; biotin, 6 mg; folic acid, 30 mg; choline, 10.000 mg; Se, 4 mg; I, 25 mg, Fe, 2.000 mg; Cu, 600 mg; Zn, 3.000 mg, Mn, 1.000 mg; phytase, 3.000 mg; crina piglets, 6.000 mg; protease, 4.000 mg; amylase, 4.000 mg; ronazyme WX, 3.000 mg; roxazyme G2G, 3.000 mg; ronozyme VP, 3.000 mg; vevomin Cu, 1.400 mg; vevomin Fe, 2.000 mg; vevomin Mn, 1.000 mg; vevomin Zn, 2.000 mg; vevovital, 100.000 mg; organic Se source, 2.000 mg; antioxidant, 2.000 mg; lysin, 7.0%; methionin, 5.5%; Ca, 8.0%; P, 4.5%; Na, 3.0%; probiotics, 1.000 mg; carrier, to 1.000 g.

Starter: vitamin A, 350.000 IU; vitamin D₃, 40.000 IU; vitamin E, 1.500 mg; vitamin K₃, 70 mg; vitamin B₁, 80 mg; vitamin B₂, 150 mg; vitamin B₆, 100 mg; vitamin B₁₂, 0.8 mg; vitamin C, 1.000 mg; niacin, 800 mg; calpan, 400 mg; biotin, 6 mg; folic acid, 30 mg; choline, 10.000 mg; Se, 4 mg; I, 25 mg, Fe, 2.000 mg;

Cu, 600 mg; Zn, 3.000 mg, Mn, 1.000 mg; phytase, 3.000 mg; crina piglets, 6.000 mg; protease, 4.000 mg; ronazyme WX, 3.000 mg; roxazyme G2G, 3.000 mg; ronozyme VP, 3.000 mg; vevomin Cu, 1.400 mg; vevomin Fe, 2.000 mg; vevomin Mn, 1.000 mg; vevomin Zn, 2.000 mg; vevovital, 100.000 mg; organic Se source, 2.000 mg; antioxidant, 2.000 mg; lysin, 6.5%; methionin, 5.0%; Ca, 12.0%; P, 4.0%; Na, 3.0%; probiotics, 1.000 mg; carrier, to 1.000 g.

Grower: vitamin A, 350.000 IU; vitamin D₃, 40.000 IU; vitamin E, 1.500 mg; vitamin K₃, 70 mg; vitamin B₁, 60 mg; vitamin B₂, 150 mg; vitamin B₆, 90 mg; vitamin B₁₂, 0.6 mg; vitamin C, 1.000 mg; niacin, 600 mg; calpan, 400 mg; biotin, 6 mg; folic acid, 30 mg; choline, 8.000 mg; Se, 4 mg; I, 20 mg, Fe, 3.000 mg; Cu, 1.000 mg; Zn, 3.000 mg, Mn, 1.000 mg; phytase, 3.000 mg; crina piglets, 6.000 mg; protease, 4.000 mg; ronazyme WX, 3.000 mg; roxazyme G2G, 3.000 mg; ronozyme VP, 3.000 mg; vevomin Cu, 1.400 mg; vevomin Fe, 2.000 mg; vevomin Mn, 1.000 mg; vevomin Zn, 2.000 mg; vevovital, 100.000 mg; organic Se source, 2.000 mg; antioxidant, 2.000 mg; lysin, 7.0%; methionin, 3.0%; Ca, 14.5%; P, 4.0%; Na, 3.0%; probiotics, 1.000 mg; carrier, to 1.000 g.

Pre-finisher, finisher I and II: vitamin A, 300.000 IU; vitamin D₃, 60.000 IU; vitamin E, 2.000 mg; vitamin K₃, 80 mg; vitamin B₁, 66 mg; vitamin B₂, 160 mg; vitamin B₆, 70 mg; vitamin B₁₂, 0.6 mg; niacin, 800 mg; calpan, 600 mg; biotin, 4 mg; folic acid, 20 mg; choline, 10.000 mg; Se, 15 mg; I, 50 mg, Fe, 4.000 mg; Cu, 1.100 mg; Zn, 4.200 mg, Mn, 3.000 mg; phytase, 5.000 mg; ronazyme WX, 5.000 mg; roxazyme G2G, 5.000 mg; ronozyme VP, 5.000 mg; vevovital, 150.000 mg; antioxidant, 3.333 mg; lysin, 4.0%; methionin, 1.5%; Ca, 22.0%; P, 3.0%; Na, 5.0%; carrier, to 1.000 g.

Table S2. Age (days), average body weights (kg), and average daily gains (g) between birth and slaughter

WM			DWM			LW		
Age	ABW	ADG	Age	ABW	ADG	Age	ABW	ADG
<i>Farrowing</i>								
0	1.6	–	0	1.7	–	0	1.5	–
7	3.1	210.7	7	3.0	187.0	7	2.9	203.8
14	4.6	212.4	14	4.3	186.0	14	4.8	239.3
21	5.9	204.3	21	5.6	186.8	21	6.7	249.4
28	7.2	198.8	28	6.6	176.7	26	7.9	246.0
35	8.3	191.3	35	7.8	174.9			
37	8.6	192.4	37	8.1	174.2			
<i>Nursery</i>								
37	8.6	–	37	8.1	–	26	7.9	–
42	9.8	244.6	42	9.1	133.2	31	8.4	96.4
49	12.0	282.8	49	10.2	148.2	37	10.4	231.5
56	14.6	315.1	56	12.4	201.0	42	11.0	196.6
63	16.9	321.1	63	15.9	273.4	49	12.9	217.1
70	19.6	333.3	70	19.5	323.3	56	15.4	250.6
77	22.4	343.8	77	23.1	356.2	63	18.7	292.8
84	25.3	354.5	84	27.4	409.2	70	22.4	330.6
						73	25.0	363.9
<i>Grow-finish</i>								
84	25.3	–	84	27.4	–	73	25.0	–
112	34.0	310.7	112	37.5	360.4	84	31.7	609.4
140	47.8	401.7	140	50.7	410.6	112	53.7	735.4
168	62.9	447.2	168	65.9	454.6	140	76.3	765.0
196	75.8	450.9	196	87.1	530.4	168	99.2	779.3
224	86.7	438.3	224	106.1	560.0	196	120.7	777.1
252	94.8	413.1	252	120.1	550.3	224	140.2	762.1
308	107.3	365.7	308	141.0	506.1	244	154.1	753.9
364	119.8	337.5	364	154.1	451.4			
420	133.7	322.6						
476	142.3	298.2						
532	150.7	279.7						

WM – White Mangulica; D – Duroc; LW – Large White; ABW = Average body weight; ADG = Average daily gain.