

Phenotypic means comparison  $\pm$  standard deviation between the ten sequenced animals.

<b>Carcass quality</b>	<b>Mean Lower</b>	<b>Mean Higher</b>	<b>Significance</b>
Carcass height (CH)	68.42 $\pm$ 7.88	65.64 $\pm$ 11.66	NS
Weight of ham (WH)	18.56 $\pm$ 1.99	18.60 $\pm$ 2.54	NS
Weight of Shoulder (WS)	9.55 $\pm$ 0.73	9.54 $\pm$ 1.71	NS
Intramuscular Fat (IMF)	1.90 $\pm$ 0.85	1.93 $\pm$ 0.65	NS

### **Fatty acids**

#### ***Saturated FA***

Myristic acid	1.21 $\pm$ 0.08	1.09 $\pm$ 0.12	NS
Palmitic acid	23.81 $\pm$ 0.45	21.20 $\pm$ 0.59	***
Heptadecanoic acid	0.19 $\pm$ 0.01	0.34 $\pm$ 0.06	**
Stearic acid	14.74 $\pm$ 1.20	13.51 $\pm$ 1.05	NS
Arachidic acid	0.24 $\pm$ 0.06	0.25 $\pm$ 0.09	NS

#### ***Monounsaturated FA***

Palmitoleic acid	2.75 $\pm$ 0.27	2.34 $\pm$ 0.32	*
Heptadecenoic acid	0.19 $\pm$ 0.06	0.33 $\pm$ 0.08	*
Oleic acid	42.78 $\pm$ 1.23	36.38 $\pm$ 3.28	**
Octadecenoic acid	4.09 $\pm$ 0.17	3.87 $\pm$ 0.21	NS
Eicosenoic acid	0.83 $\pm$ 0.06	0.81 $\pm$ 0.14	NS

#### ***Polyunsaturated FA***

Linoleic acid	6.84 $\pm$ 0.47	13.78 $\pm$ 1.43	***
$\alpha$ -Linolenic acid	0.49 $\pm$ 0.07	1.19 $\pm$ 0.45	*
Eicosadienoic acid	0.41 $\pm$ 0.04	0.58 $\pm$ 0.16	NS
Eicosatrienoic acid	0.15 $\pm$ 0.02	0.45 $\pm$ 0.15	*
Arachidonic acid	0.76 $\pm$ 0.15	3.04 $\pm$ 1.22	*

#### ***Metabolic ratios***

Average Chain Length	17.43 $\pm$ 0.01	17.51 $\pm$ 0.001	*
Saturated FA	40.21 $\pm$ 1.45	36.42 $\pm$ 1.19	**
Monounsaturated FA	50.99 $\pm$ 1.70	44.21 $\pm$ 3.15	**
Polyunsaturated FA	8.66 $\pm$ 0.62	19.07 $\pm$ 2.86	***
Peroxidability index	12.90 $\pm$ 0.97	30.97 $\pm$ 6.87	**
Double-bond index	0.70 $\pm$ 0.01	0.90 $\pm$ 0.05	**
Unsaturated index	1.75 $\pm$ 0.09	2.47 $\pm$ 0.17	***

\* p-value < 0.05, \*\* p-value < 0.01, \*\*\* p-value < 0.001