



Supplement of

The expression of the SCD1 gene and its correlation with fattening and carcass traits in sheep

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Table S1. Detailed data of RNA concentration and purity.

Sample	RNA _{con}	Liver				Subcutaneous fat				Perirenal fat				
		260/280	230	260	280	RNA _{con}	260/280	230	260	280	RNA _{con}	260/280	230	260
1	413.8	1.84	1.713	1.034	0.561	132.0	1.89	0.671	0.416	0.220	237.7	1.84	0.844	0.594
2	489.9	1.79	0.867	1.225	0.685	334.7	1.75	2.511	0.837	0.478	243.9	1.80	1.561	0.610
3	680.0	1.85	1.275	1.700	0.919	296.1	1.71	1.119	0.740	0.433	269.3	1.79	1.283	0.673
4	401.0	1.85	0.832	1.002	0.543	235.0	1.78	0.650	0.587	0.330	308.3	1.83	1.214	0.771
5	452.5	1.85	1.795	1.131	0.610	101.5	1.83	0.541	0.254	0.138	212.1	1.79	0.917	0.530
6	461.7	1.74	2.465	1.154	0.662	146.1	1.80	0.667	0.365	0.203	305.1	1.79	1.253	0.763
7	340.2	1.82	1.131	0.851	0.466	255.0	1.70	0.665	0.638	0.374	271.9	1.82	1.288	0.680
8	399.1	1.76	2.283	0.591	0.336	217.1	1.72	1.099	0.543	0.316	308.7	1.76	1.119	0.772
9	491.2	1.80	1.160	1.228	0.684	223.9	1.80	0.940	0.560	0.311	346.9	1.78	1.037	0.867
10	406.0	1.83	1.480	1.015	0.553	343.2	1.89	0.821	0.858	0.454	336.0	1.83	1.397	0.840
11	624.0	1.82	1.587	1.560	0.857	163.0	1.75	0.305	0.408	0.233	331.3	1.75	1.177	0.828
12	400.1	1.84	1.144	1.000	0.544	344.7	1.83	0.568	0.862	0.472	363.1	1.81	1.439	0.908
13	319.0	1.76	1.483	0.798	0.452	286.7	1.85	0.994	0.717	0.387	389.9	1.83	0.968	0.975
14	433.5	1.80	1.306	0.751	0.417	364.4	1.94	0.654	0.911	0.470	367.8	1.76	1.553	0.919
15	405.9	1.82	1.662	0.765	0.421	212.6	1.79	0.820	0.531	0.297	205.0	1.75	0.615	0.513

RNA_{con}- concentration of obtained RNA samples showed as ng/ μ l; the mean RNA concentration across three tissue was 330.46 ± 117.52 (SD).

Table S2. The standard curve parameter, PCR efficiency and the average expression stability M values for all analyzed genes.

	Gene	Slope of standard curve	PCR efficiency	M
1	<i>ACTB</i>	-3	2.15	1.82
2	<i>18s</i>	-3.47	1.94	1.235
3	<i>ATP5G2</i>	-3.33	2.00	0.5
4	<i>GAPDH</i>	-3	2.15	1.01
5	<i>RPL19</i>	-3.65	1.88	1.64
6	<i>RPS26</i>	-3.4	1.97	1.24
7	<i>RPS2</i>	-3.63	1.89	0.08
8	<i>SCD1</i>	-3.53	1.92	

M - the average expression stability value.