

1 **Table S1.** Sequences of primers used in the polymerase chain reactions and restriction endonucleases used for
 2 genotyping

Locus	Primer	Sequence	Restriction endonuclease
<i>CSN1S1</i>	Forward	5'ACAATTCTACCAGCTGGATGCCTATC3'	<i>HphI</i>
	Reverse	5'CACGCTCCACAGTTCCTGAGTAA3'	
<i>CSN2 (A, B)</i>	Forward	5'- CCA GAC ACA GTC TCT AGT CTA TCC C - 3'	<i>HspI</i>
	Reverse	5'- CAA CAT CAG TGA GAG TCA GGC TCC G - 3'	
<i>CSN2 (A¹, A²)</i>	Forward	5'- CCT TCT TTC CAG GAT GAA CTC CAG G - 3'	<i>DdeI</i>
	Reverse	5'- GAG TAA GAG GAG GGA TGT TTT GTG GGA GGC TCT - 3'	
<i>CSN3</i>	Forward	5'- TGT GCT GAG TAG GTA TCC TAG TTA TGG - 3'	<i>HinfI, HaeIII,</i>
	Reverse	5'- GCG TTG TCT TCT TTG ATG TCT CCT TAG - 3'	<i>MaeII</i>
<i>LGB</i>	Forward	5'- TGT GCT GGA CAC CGA CTA CAA AAA G - 3'	<i>HaeIII</i>
	Reverse	5'- GCT CCC GGT ATA TGA CCA CCC TCT -3'	
<i>DGATI</i>	Forward	5'- GCA CCA TCC TCT TCC TCA AG - 3'	<i>CfrI</i>
	Reverse	5'- GGA AGC GCT TTC GGA TG - 3'	
<i>LEPTIN</i>	Forward	5'- ATG CGC TGT GGA CCC CTG TAT C - 3'	<i>HphI</i>
	Reverse	5'- TGG TGT CAT CCT GGA CCT TCC - 3'	
<i>FASN</i>	Forward	5'- AGA GCT GAC GGA CTC CAC AC - 3'	<i>MscI</i>
	Reverse	5'- GCC GAT GCA CTC GAT GTA G - 3'	
<i>SCD1</i>	Forward	5'- ACC TGG CTG GTG AAT AGT GCT - 3'	<i>Fnu4HI</i>
	Reverse	5'- TCT GGC ACG TAA CCT AAT ACC CT- 3'	
<i>AGPAT6</i>	Forward	5'- CAA GGC GGC GTA GAC AAA - 3'	Fragment
	Reverse	5'- AGC CCC GTC AGA GGT TCA T - 3'	analysis

3