

Supplementary material 1. PCR Primer sequences and amplification details.

Primers (probes) Sequences	PCR product size (bp)	Annealing temp. (°C)	No. of cycles	Polymerase
Screening for polymorphisms and genotyping				
CSN1S1_IF: ATGGTGCCCAAAACAATTA CSN1S1_IR: TTGAACCCAAGATTGGGAAG	661	60	35	DreamTaq (Thermo Scientific)
CSN1S1_IIF: GAATGTTGTGGCTGGTTTGA CSN1S1_IIR: TTTCCAACATCATTGGCTCA	639	62	35	Perpetual Taq (EurX)
CSN1S2_IF: GAGAGCCGAGTTTCCCATTA CSN1S2_IR: TGAAAACATTACCCTGTTTCCT	563	60	35	DreamTaq (Thermo Scientific)
CSN1S2_IIF: TGCACCTGAGCAGAATCCAG CSN1S2_IIR: TTGCTTATAGTCTGCCAGCATT	550	60	35	DreamTaq (Thermo Scientific)
CSN2_IF: AATGGCCCTGGGAACTAAG CSN2_IR: TTTCCAAGGTGGAGGACAAG	549	60	35	DreamTaq (Thermo Scientific)
CSN2_IIF: CAACACCAATACCCCAGTCC CSN2_IIR: CCGCATTTTCATGCTAACCT	686	60	35	Taq (EurX)
CSN3_IF: ATGGCCCCTTTCTTTATGCT CSN3_IR: TTTGCAGGTCAGGTCTTGCT	616	60	35	Taq (EurX)
CSN3_IIF: GCTTTCTAGGGTTCTGAACATTG CSN3_IIR: CTTCTTCCAGAATCGCAAC	654	60	35	Taq (EurX)
Gene expression studies				
ACTBF: TCCTTCCTGGGGCATGGAATC ACTBR: TCCTGTCGGCGATGCCT ACTBprobe: CCGTAAGGACCTGTACGCCAACACAGT	145	60	45	
GAPDHF: GAGGACCAGGTTGTCTCCTGC GAPDHR: ATGAGCTTGACAAAGTGGTCGTT GAPDHprobe: ACCCACTCTCCACCTTCGATGCT	101	60	45	
TOP2BF: GCCAGCTGACAATAAACAGAGG TOP2BR: TGCCTTTCCCATTTCCAA TOP2Bprobe: TTGATCCTGAATCTAACATTATAAGCA	101	60	45	
KRT8F: ACCCAGGAGAAGGAGCAGAT KRT8R: GCTCCACTTGGTCTCCAGAA KRT8probe: GCATCTGGAACAGCAGAACA	108	60	45	
CSN1S1F: AGACTGAGCAAATACAACCAACTCC CSN1S1R: CTCATAGGCTTTCTCTGGCTGTTT CSN1S1probe: CCATGCCCAGGAACAACCTTATCAGAATGAA	95	60	45	LightCycler 480 Probes Master (Roche)
CSN1S2F: CACCACCTAAAACAACCTGAACAAAAT CSN1S2R: AGTCCCCTGTCTTAGTCTGATCCC CSN1S2probe: CAACCTCGGATTGTCCTGACCCC	127	60	45	
CSN2F: CAGCAAAGAGAGGTTGAACGC CSN2R: CAGGATGCTTTGTGGAACGAC CSN2probe: TGTCCAGCCACAGCCTGTAGTCTATCCT	114	60	45	
CSN3F: AATATCTACCCATCCACTGTGGTACG CSN3R: GTTTCAGCAAGACCTTTGTTGTC CSN3probe: ACCAACAGTGAACAATGCAGTCATTCCAGA	296	60	45	