



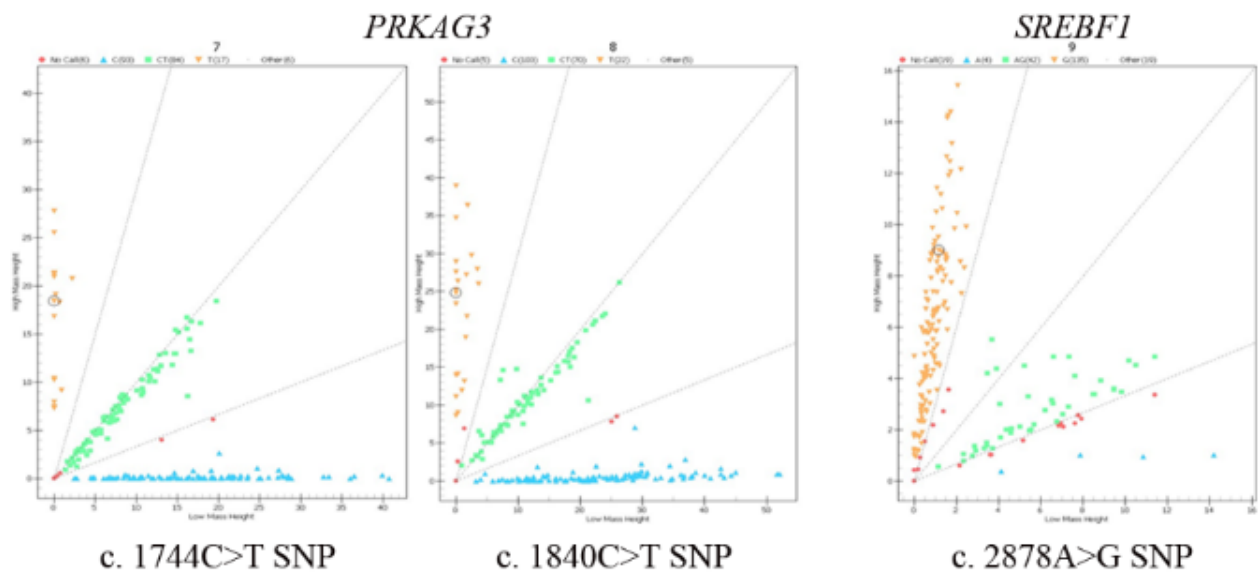
Supplementary Material

Polymorphisms within *CEBPA*, *PRKAG3* and *SREBF1* Genes Associated with Fat Deposition in Fat-tail Altay Sheep

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Supplementary Fig. S1. The results of Sequenom MassARRAY at (C1744T), (C1840T) in *PRKAG3* gene and (A2878G) in *SREBF1* gene.

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Supplementary Table SI. The primer sequences and GenBank accession numbers used to amplify the exonic sequence variants in the sheep *CEBPA*, *PRKAG3* and *SREBF1* genes.

Primer name	Primer sequence (5'→3')	Amplified regions	Product size(bp)	Annealing temperature (°C)	Reference sequences (NCBI)
CEBPA-1	F: AAGCCAGGACCAGGAGATTC R: AAAAGGAAAGACAGCCGCAG	Exon 1	984	56	XM_004015623
CEBPA-2	F: GTGGACAAGAACAGCAACGA R: TGTTCCGGCAGTCTTGAGAT	Exon 1	335	59	
CEBPA-3	F: CCAGAATGAGGCTCTTCGTC R: TCTATGTCCTCCCCAAAGAAGG	Exon 1	312	53	
PRKAG3-1	F: AGCCCAACAAACGTACAACC R: GGGCAATCCGGTCGATGA	Exon5	131	52	NM_001122692
PRKAG3-2	F: CCCTCTCCGACATCCTTCAA R: GGAGCAGAACCCACAAAAGG	Exon6	112	54	
PRKAG3-3	F: TCTCTAGCCCTCCCCAATTG R: CTGAGTTCATGGGCTGTTCG	Exon7	551	52	
SREBF1-1	F: CCACTGTGCCACTGGTAGT R: ATGGCGTTGTGGGCTGTA	Exon 3	115	57	XM_004013336
SREBF1-2	F: GGAAGTACTCAGGTGGGCAC R: GTCAGAAAATGCAAGGCCCG	Exon 5	166	58	
SREBF1-3	F: GGCTCTGCACTCCTTCAAG R: CCCAGCCCTTACCTTGTCAA	Exon 6	160	57	
SREBF1-4	F: CTGTGTGACCTGCTCCTTGT R: CCTCAGGCCACTCAAGTCC	Exon 7	150	58	