

Supplementary Materials

Figure S1 - A 157-bp deletion within an intron of <i>NCAPG</i>	2
Figure S2 - An insertion within the fifth intron of <i>NCAPG</i>	2
Table S1 - Primers, enzymes, and expected fragment sizes for the PCR-RFLP genotyping assay.....	3
Table S2 - Primers and probes for the 5'-3' exonuclease genotyping assay	3
Table S3 - Full genotypes for all 34 animals between 37M and 38.2M on BTA6	Table_S3_S6.xlsx
Table S4 - Short list summarizing variants in coding sequence or ATAC peaks	Table_S3_S6.xlsx
Table S5 - Full list summarizing all <i>Q</i> -exclusive variants	Table_S3_S6.xlsx
Table S6 - Summary of FIMO score predictions	Table_S3_S6.xlsx

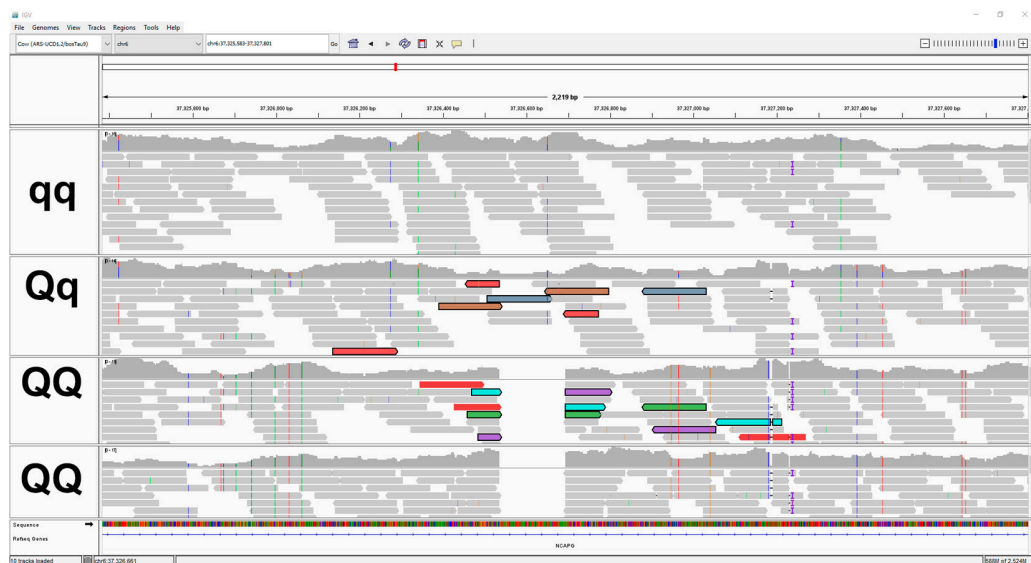


Figure S1. A 157-bp deletion within the first intron of *NCAPG*.



Figure S2. An insertion within the fifth intron of *NCAPG*.

Table S1. Primers, enzymes, and expected fragment sizes for the PCR-RFLP genotyping assay.

Variant	Primer Type	Primer Sequence	Enzyme	Fragment Sizes
rs109696064	Forward	5'-CAGGTGCTGTTCTGGACTGT-3'	HpyAV	C: 129, 152, 394
	Reverse	5'-GGTGAGTCAGGAGAGCTGTG-3'		T: 281, 394
rs384548488	Forward	5'-CTGCAGTGTTTACAGATGATATGA-3'	Hinfl	ACT: 75, 162, 344
	Reverse	5'-AGGCTTGTGATTTGGTCGAA-3'		A: 75, 504

Table S2. Primers and probes for the 5'-3' exonuclease genotyping assay.

Variant	Primer Type	Primer Sequence
rs109696064	Forward	5'-AGATCTCGAAGTCCCTCACC-3'
	Probe C	5'-6-FAM/AGGCTGAAGGA-3'iABkFQ
	Probe T	5'-SUN/CAGGCTAAAGGAT-3'iABkF
	Reverse	5'-GCTGAACACTCCGAGATGAC-3'
rs384548488	Forward	5'-GACCAAACAGACATTGCCAT-3'
	Probe ACT	5'-6-FAM/CCCAGAGTCTCT-3'iABkF
	Probe A	5'-SUN/GCCCAGTCTCTCA-3'iABkF
	Reverse	5'-TCTTGACCTTCCATAAATAACAGT-3'