

GENETICS

Supporting Information

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Dissection of Genetic Factors Modulating Fetal Growth in Cattle Indicates a Substantial Role of the Non-SMC Condensin I Complex, Subunit G (*NCAPG*) Gene

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TABLE S1**Markers included in fine mapping of QTL for fetal growth on BTA6**

Table S1 is available for download as an Excel file at <http://www.genetics.org/cgi/content/full/genetics.109.106476/DC1>.

TABLE S2**Description of primers for resequencing in the NCAPG/LCORL region on BTA6**

Primers	Forward	Reverse	size (bp)	fragment
BTA114677_F1/R1	TATTAGTAAGAGCCCCATGTCC	CAATGAAAGATGAAGACCAAAAC	389	intergenic, centromeric to <i>C6H4orf30</i>
NCAPG_In1_F1/R1	CATTCTTGCCCTGGTATTCTC	GACCACCATAGCATATTTAAGG	535	<i>NCAPG</i> intron 1
NCAPG_In3_F1/E5_R1	TATGGGCTATCTTATGACTATG	TCAGCTAAAACCTTTAAGAGAC	511	NCAPG intron 3 to exon 5
NCAPG_Ex_F2/NCAPG_RFLP_R1	AGTTATATTCAAAGCATTCCAG	ATTTGTATTCTCTTATTATCATC	829	<i>NCAPG</i> exon 8 to exon 9
NCAPG_F1/R1	GTTGATTTATGAAAGATTATTAGG	AGCCAAAAGCACTGAAAACAC	412	<i>NCAPG</i> intron 8 to exon 9
BTC041166_F1/R1	TTCTCAAATGTCTGCCTCTCC	CTCTTCTCCCTTTTATCCTC	511	intergenic, telomeric to NCAPG gene
BTC041134_F1/R1	AAGTAGAAAGCACATAAGGATTG	AATCAGGGATCATTTTGCTATTG	409	<i>LCORL</i> intron 6*
BTC041133_F1/R1	CACCACACCTAAAACACAATG	CTTTCATACCTTTTCATTTGTCC	312	<i>LCORL</i> intron 6
BTC041097_F1/R1	AACTAGACATAAAAGGAGACAGC	CATGTTTTGGGATCAAGGACTG	501	<i>LCORL</i> intron 4
BTC041022_F1/R1	AATTTTCTACCAGGATTTCTGC	GACCACGGCTACGAAGAGAC	507	<i>LCORL</i> intron 2 to exon 2
Total bp resequenced			4916	

LCORL intron 6*: comparative in-silico analysis indicates that the annotation in the current bovine assembly Build4.0 (fragment annotated as 3'UTR) is incorrect

TABLE S3**Characterization of polymorphisms identified within the NCAPG/LCORL region on BTA6**

Table S3 is available for download as an Excel file at <http://www.genetics.org/cgi/content/full/genetics.109.106476/DC1>.