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Supplementary

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TTGGGAAGGTCAGGGATAGT

GGCCGGCCCTGGCCCTGCGCGCTCTGAGTCCCGAGGAGACGTGTCCGTTGCCCTCCGGCAGCCCTCGCTGTCCCAGCC

ATGCCACGCGCCTCCTCCGCGGACCCTGCGCCTGTGGGTGGCCGCGCTGCACCGTGCTGCCGCCGCGCTCGAGATGT

M A T R L L R G T L R L W G G R A A P C L P P A S R C

TCTCATTCTGGAGGTGAAGAGCGTCTAGAAACTTCTTCTGCTAAAAAATTAACAGATATAGGAACTAGAAGATCTTCTCT

S H S G G E E R L E T S S A K K L T D I G T R R I F S

TTAGAGCATGACATTTCCGGAAAAGTGAAGGAAGTTTTTCAAGAAGAAGTATTCCCTTTTCATGCAGAATGGGAGAAA

L E H D I F R E S V R K F F Q E E V I P F H A E W E K

GCTGGAGAAGTAAGTAGGAGCTTTGGGAAAAAGCTGGAAAAAAGGACTGCTTGGTATCAATATTGGAGATCACCATGGT

A G E V S R E L W E K A G K Q G L L G I N I G D H H G

GGCATTGGGGGGGACTTGTATTTCATCAGCTATTATTTGGGAGGAGCAAGCATATTCAAATTGTACAGGCCAGGTTTGTAGT

G I G D L Y S S A I I W E E Q A Y S N C T G P G F S

CITCATTAGATATCGTCCCTATATTTCAAACATGTTTCAGAAAGAACAGATTAAGCACTTCATCCCCGAGATGGTT

L H S D I V M P Y I S N Y G S E E Q I K H F I P E M V

GCAGGAGATGTATTGGTCCATAGCAATGACAGAGCCTGGGGCTGGAAGTGATTTGCAAGGAATAAGAACAATGCCAAA

A G R C I G A I A M T E P G A G S D L Q G I R T N A K

AAGGATGGAAGTACTGATTTCAATGGAAGCAAGTATTTGCTACTAATGGTGGCTGTGTGACTGTGATCGTCGTA

K D G S D W I L N G S K V F V T N G W L C D T V I V V

GCAGTCACAAATCGAGAGCTCACTCCTGCCATGGCATTAGCCTTTTTCTGGTGGAAAATGGAATGAAAGGATTATC

A V T N R E A H S P A H G I S L F L V E N G M K G F I

AAGGGACGAAAGATAGATAAAAATGGACTAAAAGCCAGGATACTGCAGAATTTTCTTTGAAGATGTACGGTTGCCAGCA

K G R K I D K I G L K A Q D T A E F F F E D V R L P A

GGTCCCTACTTGGAGAAGAGAATAAAGTTTCTATTACCTCATGCAAGAGCTTCCACAGGAAAGGCTGATAGTTTCCGAG

G A L L G E E N K G F Y Y L M Q E L P Q E R L I V S E

ATAGCAGTTTCAGCCAGTGAATTCATGTTTGGAGAAACCAGGACTACGTTAAACAAAGAAAAGCTTTTGGGAAGACAGTT

I A V S A S E F M F E E T R D Y V K Q R K A F G K T V

GCAGATTTACAGACGGTGCAGCATAAGCTCGCAGAATAAAAACATCCATATGTGTAACCAGAGCTTTTGTGGACAGCTGT

A D L Q T V Q H K L A E L K T S I C V T R A F V D S C

CTCCAGCTGCACAGAGTGAACGTCTGGACGTTGCCACTGCTGCCATGGCGAAATACTGGGCATCTGATTGCAAAAACAGA

L Q L H R V K R L D V A T A A M A K Y W A S D L Q N R

GTAGCTTATGACTGTTTGCAGCTGCATGGAGGTTGGGGATACATGTGGGAGTATCCCATGCAAAAAGCTTATGTGGATGCC

V A Y D C L Q L H G G W G Y M W E Y P I A K A Y V D A

CGTGTCCAGGCAATCTATGGTGGTACCAATGAAATAATGAAGGAGCTGATTGCAAGAGAGATCATCCATGACCAGTAGGGG

R V Q A I Y G G T N E I M K E L I A R E I I H D Q *

TGAACCAGTTTGAATCCTTCAGGTGGACTCAAGACTGCAATCGCGTGTCCGCCCTTGGGAAGGTTTCAGGGATAGTCCCCTG

GGCCGGCCCTGGCCCTGCGCGCTCTGAGTCCCGAGGAGACGTGTCCGTTGCCCTC

GGCAGCCCTCGCTGTCCCAGCC

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556 **Supplementary Figure S1.** Nucleotide sequence and deduced amino acids of goat
 557 ACADL. Two blue arrows and red background displayed the position of primers
 558 ACADL-S, ACADL-A.

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