

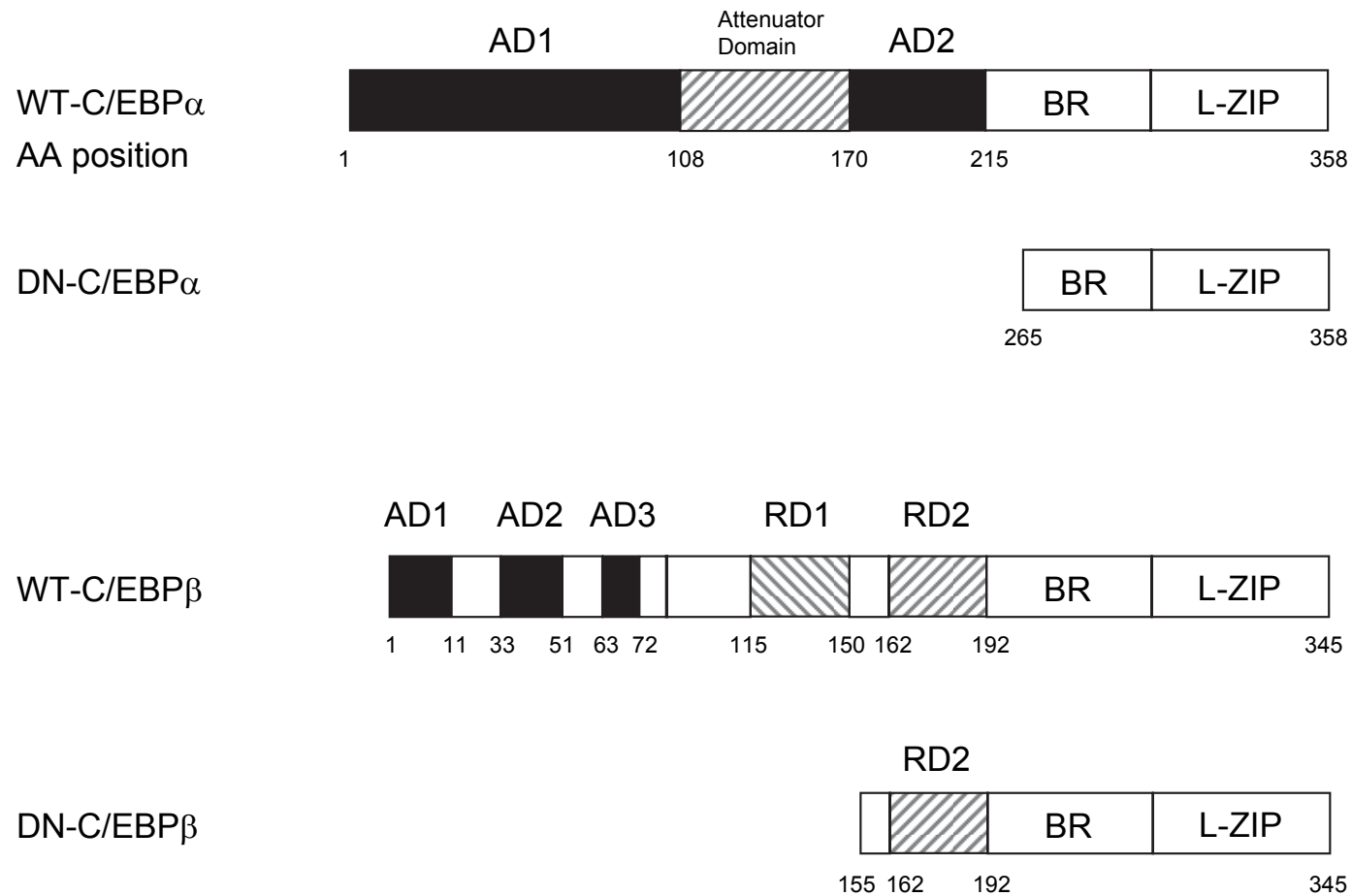
Additional file 2: Supplementary Figures

Supplementary Figure S 1: DNA sequence alignment of the SCD1 promoter from cattle and human.

		WT_PL └─┬─>	
Bovine	-1767	GGAGCAACACCTGCCCAGACTTCTCTCCACAAACATGCTGAGGGCTTCTGAGCCGTGAT	
Human		GT GAC AC TA T G G ---- CA TA G A C	
Bovine	-1707	GAGAC-AGCTGTCTGTATCTAAAAACATCTAGTCTCATTCAAAACTTTTGCA\\	
Human		TG TG CAC G T C TG G CA \\	
Bovine	-1168	CTACCTACCTCACAGGGCCACA-AGTTAAGAATCAAATGAAATGATTCTTGTGGATTGGC	NFY (-)
Human		G C C T G --- GC T C GA C A	
Bovine	-1109	TTG-----CAATACCTTTTGGCTACTCTTGCTGCACTTACAAGTACTTTCTCTCT	ScaI
Human		CAGTAATAATT GCCA T AT C A C CC G	
Bovine	-1060	GCTTCTGAGTGAAAGCAC--GTCTGTCTTTCTCCACGAAATGGCCTTTCC-CAACGAAG	NF-κB (+) C/EBP (-)
Human		G G A AT A -G CTG -----G A A	
Bovine	-1003	GCAATTCCAATAACAACGACCCGACGTTCT----AATCTCCAAACATCCCGC\\	NF-κB (+) C/EBP (-)
Human		--- TT A T C AG GAAG \\	
Bovine	-361	AGAAGCCGAG---GAGAAAGGGAGGGGAGGGGTAGTGAGGAGCTCGCGGCAGAGCGAACA	
Human		T AAG CA G C G A	
Bovine	-304	GCAGATTGCGCCGAGCCAATGCAACGGCAGGACGAGGTGGCACCAAATTCCTTCGGCC	SREBP (+) NFY (+) NF1 (+)
Human			
Bovine	-244	AATCACGCGCCAGAGTCTACAGAAGCC-CATTAGCATTTCCTCCAGGGGCAGGGGCAGAGG	NFY (+) AP2 (-) SP1 (+)
Human		A G T T A G	
Bovine	-185	CAGGGGCTGCGGCGGCCAAGCCGCGGTGT--GTGT--GCAGCATCCAGTTCTTGCTTCTT	
Human		A C - T -----T T CG CG CCG GCC G G	
Bovine	-129	CGGCCCCCAGCACGCCTCGGCGCTCTGTCTCCTCCCCTCTCCCGCCCATGC-----	SP1 (-)
Human		T G - GA - - T A CTCCACGCG	
Bovine	-78	GGATCTCCACGGTGAACCAACTCTGCGCACTTTGCCCTTGTGGCAACGAATAAAAAGA	PPRE (-) NF1 (+)
Human		C G G - CC GT CT GC G G G	
Bovine	-18	GGTC TGAGGAAATACGGGACACAGT	C/EBP (+) +1 TSP
Human		G C GGT	

The tsp, as found in this study is indicated, together with binding sites for selected transcription factors on the +/ or – strand are indicated. Nucleotides exchanged in the human sequence are given below the bovine sequence. White letters with underlay indicate terminal nucleotides of area found to be absolutely necessary for functioning of the promoter; red underlay, cattle [29]; black underlay, human [31].

Supplementary figure S 2



AD, RD, activator or repressive domains, respectively; BR, DNA-binding region; L-ZIP, leucin zipper for factor dimerization.

Construction of the DN-factors from cattle has been described [40].

Figure has been adopted and modified from Williamson et al., 1998, *Vet Immunol Immunopathol* 129:36-48. AA-positions denoting the domain boundaries have been taken from the latter reference.

HepG2

MAC-T

