

Supplementary Information

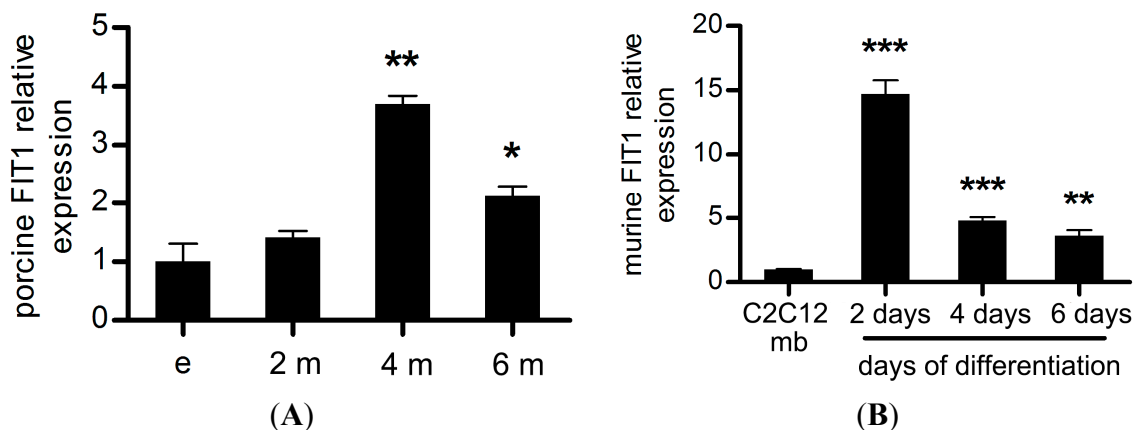


Figure S1. FIT1 mRNA expression profiles during development of the longissimus dorsi muscle in Large White pigs (A) and over the differentiation of C2C12 myoblasts (B). The relative expression (means \pm SD, $n = 3$) was normalized to the level of the embryonic stage (A) and of the non-differentiated C2C12 myoblast cultures (B) with HPRT as the internal control, respectively. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$ by ANOVA. e, embryonic stage; 2 m, 2 months of age; 4 m, 4 months of age; 6 m, 6 months of age; mb, myoblast.

Table S1. Primers used in plasmid construction and qRT-PCR.

Primer	Sequence (5'→3')
pGL3-FIT1(-1037/+3)-F	CGACGCGTGGAGTGGGATGGATGG
pGL3-FIT1(-875/+3)-F	CGACGCGTTGGGTCACCATGCTGT
pGL3-FIT1(-573/+3)-F	CGACGCGTTCGGCATTCTCACCCT
pGL3-FIT1(-397/+3)-F	CGACGCGTGGTGAGGTGGGGATGA
pGL3-FIT1(-123/+3)-F	CGACGCGTGCCAACACAGCTCTGC
pGL3-FIT1-R(3')	GGAAGATCTCATGTTCCCTCCCCTC
pGL3-mut(-870/-245)-F	GGGGTACCCACCATGCTGTACAGT
pGL3-mut(-384/-245)-F	GGGGTACCTGACTTTGACCAAACAGG
pGL3-FIT1-mut-R(3')	GAAGATCTGTATCCTTCCCTCAGTCC
qPCR-FIT1-F(pig)	CAACCCTCGGACCAT
qPCR-FIT1-R(pig)	GTAGCCAGGAACACCA
qPCR-HPRT-F(pig)	GGTCAAGCAGCATAATCCAAAG
qPCR-HPRT-R(pig)	CAAGGGCATAGCCTACCACAA
qPCR-FIT1-F(mouse)	CGATGAGTAGGAAGGCAC
qPCR-FIT1-R(mouse)	CACGGCAACTTCTTCAAC
qPCR-HPRT-F(mouse)	GCAAACCTTTGCTTTCCTGG
qPCR-HPRT-R(mouse)	GCTTTGTATTGGCTTTTCC
siRNA of MyoD1-F	CCAAUGCGAUUUUAUCAGGUGCUUUGTT
siRNA of MyoD1-R	CAAAGCACCUGAUAAAUCGCAUUGGTT
E1-F	GCCAACACAGCTCTGC
E1-R	CATGTTCCCTCCCCTC
E2-F	CTATGTCAGGACACACTTCCA
E2-R	GGGCAGAGCGCTGTTG
NC1-F	CCTCTGCCTTACTGTACTTTG

Table S1. Cont.

Primer	Sequence (5'→3')
NC1-R	GATGACCACTGCTGCCAA
NC2-F	TGGGTGCGGCAGTAGG
NC2-R	GCGCATTGAGCGGGAT