

Supplemental Figure 2D: PCR primers used in this study

PCR Primer	Sequence	Reference
pax3	Fd: 5' - GCCATGTCCCCGAGAACCAAC - 3' Rev: 5' - CAAACAAGCCATTACCCACCAAC - 3'	(Monsoro-Burq et al., 2005)
pax7	Fd: 5' - GGCGGTTCTTCCCAGGAG - 3' Rev: 5' - CCAGCACAAAATCCACAGCG - 3'	This study
Muscle actin	Fd: 5'- GCT GAC AGA ATG CAG AAG - 3' Rev: 5'- TTG CTT GGA GGA GTG TGT - 3'	(Stutz et al., 1986)
EF1 α	Fd: 5'- CAG ATT GGT GCT GGA TAT GC - 3' Rev: 5'- AC TGC CTT GAT GAC TCC TAG - 3'	(Krieg et al., 1989)
snail2	Fd: 5'- TCCCGCACTGAAAATGCCACGATC - 3' Rev: 5'- CCGTCCTAAAGATGAAGGGTATCCTG - 3'	(Mizuseki et al., 1998)
myoD	Fd: 5'- AGC TCC AAC TGC TCC GAC GGC ATG AA - 3' Rev: 5'- AGG AGA GAA TCC AGT TGA TGG AAA CA - 3'	(Rupp and Weintraub, 1991)
Vent1	Fd: 5'- GCA TCT CCT TGG CAT ATT TGG - 3' Rev: 5'- TTC CCT TCA GCA TGG TTC AAC - 3'	(Shappira et al., 1999)

Supplemental Figure 2E: Morpholinos used in this study

Morpholino name	Sequence	Reference
Fgf8MO	5'-GGAGGTGATGTAGTTCATGTTGCTC-3'	(Monsoro-Burq et al., 2003)
Pax3MO	5'-TCTCAGTTCCCTTGCCAAGTATTAA-3'	(Monsoro-Burq et al., 2005)
Pax7MO	5'-CTGGGCAGTAGAAGAAGAACAAGAC-3'	This study.
Pax7 spliceMO	5'-TGGGATAAATGAAGACCTACCTTCC-3'	This study
Pax7misMO	5'-CTCGCCAGTACAAGAACAACAACAC-3'	This study
β CateninMO	5'-TTTCAACCGTTTCCAAGAACCAGG-3'	Gene Tools, inc.

Supplemental Figure 2F: Pax3MO and Pax7 MO alignment on target sequence : X.l.Pax3 (AY725269), X.l.Pax7 (AY725267).

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Pax3MO          3'AATTATGAAC CGTTCCTTG ACTCT 5'
Pax3      105 CCGGCTCTCA CTCTCTCTCT CTATACAGGG CCACTTGGAT TTAATACTTG GCAAGGGAAC TGAGAATGAC CAGCTTGGCT GGAGCTGTGC CAAGAATGAT G-205
                - - - - - . . . - - - - - . . . - - - - - . . . - - - - -
Pax7      200 TTGGGTTTTG TTGAGTTGCA CCAAGAGTAG GTGTCTTGTT CTTCTTCTAC TGCCAGTTG GGTGTGATGG CTGCTCTGCC CGGTACCATA CCAAGGATGA T-300
Pax7MO          3'CAGAACAA GAAGAAGATG ACGGGTC 5'

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- : mismatch
. : conserved residue