

Table S2. Primer sequences

Primers used in RT-PCR				
GENE	FORWARD	Tm	REVERSE	Tm
SCN9A	5'-CTTCATCTATGGGGACATTC-3'	58.4	5'-GTCTTTTGTCTGCATAGTAGG-3'	57.2
SNP25	5'-AAGGCTGATTCCAACAAAAC-3'	60.6	5'-GAAAAGCATGAAGGAGCTATC-3'	59.5
TUBIII	5'-GCGTCTACTACAACGAGG-3'	5.8	5'-ACTCTGACCAAAGATGAAATTG-3'	59.7
NESTIN	5'-CACCTCAAGATGTCCCTC-3'	58.0	5'-TTGGGGTCCTGAAAGC-3'	59.7
CHAT	5'-TCAGTTCTTTGTCTTGATG-3'	57.8	5'-TGGAAGCCATTTTGACTATC-3'	59.2
GFAP	5'-GCAGATTCGAGAAACCAG-3'	58.4	5'-CACATCACATCCTTGTGC-3'	58.5
MAP2	5'-GAAGATTTACTTACAGCCTCG-3'	57.2	5'-GGTAAGTTTTAGTTGTCTCTGG-3'	56.2
FOXO4	5'-GATATGTATATGGAGAACCTGG-3'	56.5	5'-AGAGTAGATATGAACACGCC-3'	55.8
NFM	5'-GCTGCGTACAGAAAATC-3'	56.0	5'-CCTTGGGTTTCTGAATCTTAC-3'	59.1
GALC	5'-ATATGCTTTAGGACGTGTTG-3'	56.8	5'-GAGGTGAAATGACCCTTAATAG-3'	58.2
B-ACTIN	5'-AGCCTCGCCTTTGCCGATCC-3'	65.0	5'-ACATGCCGGAGCCGTTGTCTG-3'	65.0
HOXA5	5'-TTAAAAAATAAATGAGTTTTTATTTG-3'	56.4	5'-ACCAACCCCCTCTCTACTACTA-3'	59.4
Primers used in bisulfite genomic sequencing of multiple clones				
GENE	FORWARD	Tm	REVERSE	Tm
FGFR1	5'-TGGAGTATCTGGCCTCCAAG-3'	60.2	5'- ACCCTTCTCTTCCTACAACCTA-3'	59.5
GRM4	5'-CGTGCCCTCAAGTGGAAC-3'	59.7	5'-GGCGGATGATCTTGTCGAAC-3'	59.1
HOXA5	5'-CAACCCCAGATCTACCCCTG-3'	59.2	5'-GAACTCCTTCTCCAGCTCCA-3'	59.7
EN1	5'-AGCAGCCTCTCGTATGGC-3'	59.2	5'-CTCCGTGATGTAGCGGTTTG-3'	59.0
METRIN	5'-CTTTGAGCTGCGGAGGA-3'	60.4	5'-AGACTCCTGCAGCTCCAC-3'	58.6
PAX9	5'-GAACGGGTTGGAGAAGGGAG-3'	60.0	5'-AGCAGCACTGTAGGTCATGT-3'	59.0
RETL1	5'-CGAGGAGGGAGGAAGAAGATC-3'	59.0	5'-TTCTTGGGGTCCTCAGCAAA-3'	59.2
Primers used in the production of lentivirus and transfection of hASCs				
GENE	FORWARD	Tm	REVERSE	Tm
FGFR1	5'-GGAAAGTTGAAATTTAAGGGAA-3'	59.6	5'-ACCCTTCTCTTCCTACAACCTA-3'	59.5
GRM4	5'-GAGGGTAAGTTTTGTGGAGAAT-3'	59.8	5'-ACCAACCAAAACACTAACCTTAA-3'	60.0
HOXA5	5'-TTAAAAAATAAATGAGTTTTTATTTG-3'	56.4	5'-ACCAACCCCCTCTCTACTACTA-3'	59.4
EN1	5'-TGGTTTTGGGGTTATTTTATAG-3'	59.2	5'-AACCTAACTATTTTACACCCCC-3'	60.9
METRIN	5'-GTTGTAGTTGGAGGGGTAGGTA-3'	60.6	5'-AACCRAATACAACCACTCAAC-3'	60.3
PAX9	5'-AGGGTTTTTGGAGTTTAATGGA-3'	62.0	5'-ACCAACCACTAACCACACAAAC-3'	62.5
RETL1	5'-TGTATGGGGGTATTGAAATTT-3'	62.5	5'-AACTCCCATACCCCAAAAAAC-3'	62.4

Tm: melting temperatures in °C