

Supporting Information Table S1

Primers List

Gene	Forward primer	Reverse primer
GAPDH	TCAAGAAGGTGGTGAAGCAGG	ACCAGGAAATGAGCTTGACAAA
OCT4	CGAGCAATTTGCCAAGCTCCTGAA	GCCGCAGCTTACACATGTTCTTGA
SOX2	TGGCGAACCATCTCTGTGGT	CCAACGGTGTCAACCTGCAT
NANOG	TGGCCGAAGAATAGCAATGGTGTG	TTCCAGGTCTGGTTGCTCCACATT
PAX6	GTGTCCAACGGATGTGTGAG	CTAGCCAGGTTGCGAAGAAC
BLBP	GGA CTCTCAGCACATTCAAGAA	CCACATCACCAAAAGTAAGGGT
NESTIN	CAGCGTTGGAACAGAGGTTGG	TGGCACAGGTGTCTCAAGGGTAG
PAX3	GCCGCATCCTGAGAAGTAAA	CTTCATCTGATTGGGGTGC
PAX7	GAGGATGAAGCGGACAAGAA	TCAGTGGGAGGTGAGGTT
COL2A1	GGCAATAGCAGGTTACGTACA	CGATAACAGTCTTGCCCCACTT
RUNX2	CATGGTGAGATCATCGC	ACTCTGCCTCGTCCACTC
POU4F2	GGGCAAGAGCCATCCTTTCAA	CTGTTTCATCGTGTGGTACGTG
RELN	G TAGCAAGCCCTTCAGCAAC	CCCTGAGGCCAGTACAACAT
PDGFRA	GATTAAGCCGGTCCCAACCT	GGATCTGGCCGTGGGTTT
MYH3	GCCCTTTGACATTCGCACTG	CGGGACAAAATCTTGGCTTTGA
PDGFRB	TGGCAGAAGAAGCCACGTT	GGCCGTGAGAGCTCACAGA
OCN	ATGAGAGCCCTCACACTCCTC	GCCGTAGAAGCGCCGATAGGC
SOX9	GACTTCCGCGACGTGGAC	GTTGGGCGGCAGGTACTG
ACAN	TCGAGGACAGCGAGGCC	TCGAGGGTGTAGCGTGTAGAGA
MIXL1	GGATCCAGGTATGGTTCCAG	CATGAGTCCAGCTTTGAACC
GATA4	TCCAAACCAGAAAACGGAAG	CTGTGCCCCGTAGTGAGATGA
FOXA1	AGGCCTACTCCTCCGTCCTCG	CTAGGCCCGGGTTGGCATAGG
DLX5	CGCCTCGCTGGGATTG	CTTGATCTGGATCTTTTGTCTGAA
SOX17	CGCTTTCATGGTGTGGGCTAAGGACG	TAGTTGGGGTGGTCTGCATGTGCTG
GATA6	CTCAGTTCCTACGCTTCGCAT	GTCGAGGTGAGTGAACAGCA
FOXA1	GCAATACTCGCCTTACGGCT	TACACACCTTGGTAGTACGCC
BRACH	ACCCAGTTCATAGCGGTGAC	AAGCTTTTGCAAATGGATTG
MYOD	CGCCATCCGCTATATCGAGG	CTGTAGTCCATCATGCCGTCG
FOXG1	GAGCGACGACGTGTTTCATC	GCCGTTGTAAC TCAAAGTGCTG