Supplementary Table.1 Primer sets used in this study

Genes	Forward sequence	Reverse sequence
Oct4	GGAGGAAGCTGACAACAACG	TCGTTGCGAATAGTCACTGC
Klf4	TCAGCCTCATCCTCTTCCTC	GTACACCGGGTCCAATTCAG
Sox2	GCCCTGCAGTACAACTCCAT	GCTGATCATGTCCCGTAGGT
Nanog	CAGGAGTTTGAGGGTAGCTC	CGGTTCATCATGGTACAGTC
Integrinα2	CCATGATGGGTCGAAGCTGA	CTTCGTCGGCCACATTGAAA
Integrinβ1	AATGTTTCAGTGCAGAGCC	TTGGGATGATGTCGGGAC
DDR1	GGACATACCGTGGGCGGACT	CCATGCGCCACAACCTAGG
Gli-1	TGCCAGATATGCTTCAGCCA	TGTGGCGAATAGACAGAGGT
Bmi-1	TTTTATGCAGCTCACCCGTC	AGTGGGCCATTTCTTCTCCA
Notch	CACTGTGGGCGGGTCC	GTTGTATTGGTTCGGCACCAT
Atg4A	CCCTCACACAACCCAGACTT	CCCCTGTGGTTGTCACTTCT
Atg4B	TGCTTTGAGAACCCAGACCT	CTCCTGACCCACTGCTCTTC
Atg5	GGAGAGAAGAGGAGCCAGGT	TGTTGCCTCCACTGAACTTG
Atg6	GGCCAATAAGATGGGTCTGA	GCTTTTGTCCACTGCTCCTC
LC3	TTCTTCCTCCTGGTGAATGG	GTGGGTGCCTACGTTCTCAT
Gabarap	CAGCAGGAGGGGTAATGGTA	CCAATGTCAATCCCTTCCAC
Gapdh	AGGTCGGTGTGAACGGATTTG	TGTAGACCATGTAGTTGAGGTCA
Utf1	GGATGTCCCGGTGACTACGTCTG	GGCGGATCTGGTTATCGAAGGGT
Rrex1	ACGAGTGGCAGTTTCTTCTTGGGA	TATGACTCACTTCCAGGGGGCACT
Fbx15	CAACAGCCTCAGTCCTGTCA	TCTGTCGCAGCCAATCATAG
Dax1	TGCTGCGGTCCAGGCCATCAAGAG	GGGCACTGTTCAGTTCAGCGGATC
E-ras	ACTGCCCCTCATCAGACTGCTACT	CACTGCCTTGTACTCGGGTAGCTG
Cripto	ATGGACGCAACTGTGAACATGATGTTCGCA	CTTTGAGGTCCTGGTCCATCACGTGACCAT
p16	CGTACCCCGATTCAGGTGAT	TTGAGCAGAAGAGCTGCTACG
p15	AGATCCCAACGCCCTGAAC	CCCATCATCATGACCTGGATT
p19	GCCGCACCGGAATCCT	TTGAGCAGAAGAGCTGCTACGT
p21	GTGGGTCTGACTCCAGCCC	CCTTCTCGTGAGACGCTTAC
p53	AAAGAGAGCGCTGCCCACCT	CTCCCGGAACATCTCGAAGC
α-feto	ATTCTTCGTTGTCAAGCCGCCAAAGTGGAG	AGTTGTTTGCTGCGGAGTTGTCATCTCGTC
Gata4	ACCTTATGGCGTAGAAATGCTGAGGGTG	CTGAATACTTGAGGTCACTGTTCTCGGG
Brach	ATGCCAAAGAAAGAAACGAC	AGAGGCTGTAGAACATGATT
Bmp4	GGCGAAACCTGTGCGAGTGGATGCGGAA	GATTGCTGTGCCGCCGCCGCTTCAGACC
Nest	GCTATTCGGCTATGACTGGGCACA	CCACCATGATATTCGGCAAGCAGG
β-tub	CATCGCCAGCCTCGGAACAAACAG	TGCGCAAATGGAACTGGAGGCAAC
Akt	TCAAGAGGCAGGAAGAAGAGAC	AAGGAAGGGATGCCTAGAGTTC
mTOR	CTCCGATTGTGAAATTGTTTGA	TGCTGGTAAATCAAAGGGTCTT
src	TTGTCCTGATCATTTCAACACC	AGATGCCACAAATCATCAACTG
Map2k1	TACTCTGTGCAGTCGGACATCT	TGCTTCAGATCTGCTCTCTCTG