

Supplementary Table2 Primer sequence for qRT-PCR

Gene	Gene ID	Primer sequence
Lin28	NM_001031774.2	F:TGCGATGCTGGACTCACC R:CGCTGCCAATGCAGAAGA
Integrin $\alpha$ 6	NM_205289.1	F:GCTGGAAACATGGACCTGGATAA R:TTCAGGTCAAGTTTGTCCAGGCTGTA
Stra8	XM_015289566.2	F:CCACGGCTATTTACACCTCTG R:GCTCTTGGCAAGCATCCGTA
Pax6	NM_205066.1	F:CCCCGTTTCCTCTTTTAC R:GCATAGGCAGGTTGTTGG
FLK1	NM_001004368.1	F:CTCAGAGTCATAGGCAACG R:CACCAACCGAAGTCACAA
Gata6	NM_205420.1	F:GAGGGACGGCACCGGGAATT R:TGGCAGTTGGCACAGGACA
BMP4	NM_205237.3	F:AGTGATGAAGCCGCTGTCTG R:GCCCTGATGAGTCTGTGCC
c-Myc	NM_001030952.1	F:CCCCGTCCGAGGACATCT R:GCGGTGGAAGGGAAGCAG
PITX2	NM_205010.1	F:GGGTTCCGGTTTGGTTCA R:TGGCTGCCAGTTGTTGTA
ID4	NM_204282.1	F:CAAGCGGGTCAGCAAAGTGG R:ACCGGGTCGGTGTGAGGG
ID1	NM_204590.2	F:ACGTGATCGACTACATCTGGGA R:GCGGCACAGTATGCGGTC
Prdm6	XM_015280835.2	F:GCGATCCGTAGTATTTCCACA R:GTCTTAAAGCACTGCCACAT
Prdm14	XM_025147991.1	F:CCGTTCCAAGGCAAAGTGG R:CGCCGTCAGGTTCTGCTCC
ADH5	NM_001031152.2	F:TTTGGTTTAGGAGGAGTTG R:TTGGCATAGGTATTCTTGT
ADH1A1	NM_204577.4	F:ACACCTCTGAGTGCCCTTTA R:GGTCTCCCTGCTGCTTC
SOX2	NM_205188.2	F:GAAGATGCACAACCTCGGAGATCAG R:GAGCCGTTTGGCTTCGTC
Oct4	NM_001110178.1	F:GGAGCAGTTTGCCAAGGA R:GAAGCGGCAGATGGTGGT
Nanog	NM_001146142.1	F:TGGTTTCAGAACCAACGAATGAAG R:TGCACTGGTCACAGCCTGAAG
P300	XM_004937710	F:ACCCAATGGAACAAGAAG R:GGTCCTGACGGTAAAGTG
DAZL	NM_204218.1	F:ACCCATTCGTCAACAACC R:CACCTCCTTCACAGTACCATAT
Smad5	NM_001014968.1	F:TCGCCAACAGTCCCTAT R:GCAGGAGGTGGAGTATCA

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PCAF	XM_015281803.2	F:CCTGAACCAGAAGCCAAAC R:CGGAAGCAGATACCACCA
CREBBP	XM_015294625.2	F:AGAATTGTACTCGGCACG R:TAGGATTACTTAGCGATGGA
HDAC1	NM_204156.1	F:GAGACTGCTGTGGCTTTG R:TTTGAGGGACTGATGTGC
HDAC2	NM_204831.2	F:CTTGCCATCCTTGAGTTA R:CAGCATAGTATTTGCCTTTT
BMP5	XM_015284820.2	F:AACCACGCCATTGTTTCAG R:CAAAGTAGAGCACGGAGAT
CYP2C18	NM_001001752.2	F:TGGCAGAAGAGGTAAAGC R:TGTCTCCGTTCCAGCAAT
CYP1A1	NM_205147.1	F:CCAGAAGAAGATTCAGGCAGAG R:AAGGGCAGGAGGGAGGAGTG
CYP2H1	NM_001001616.1	F:GAAGGGCATTGAGGAGCG R:ATGGAGCAGATGATGTTGG
CYP26A1	NM_001001129.1	F:ATCTGCGATACCCACGATG R:ACCGAAAGGAATGAAACTGAAC
Smurf1	XM_015294374.2	F:TCCACGACTACATCACATC R:AGGCAACTCTCACCCCTC

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