

**Supplementary Table 3. Sequences of primers used for quantitative real-time polymerase chain reaction**

Target name	Direction	Primer sequence (5'-3')	Size (bp)
<i>OCT3/4</i>	Forward	ACCCCTGGTGCCGTGAA	190
	Reverse	GGCTGAATACCTTCCCAAATA	
<i>SOX2</i>	Forward	CAGCGCATGGACAGTTAC	321
	Reverse	GGAGTGGGAGGAAGAGGT	
<i>NANOG</i>	Forward	AAAGGCAAACAACCCACT	270
	Reverse	GCTATTCTTCGGCCAGTT	
<i>LIN28</i>	Forward	GTTCCGGCTTCCTGTCCAT	122
	Reverse	CTGCCTCACCTCCTTCA	
<i>DPPA5</i>	Forward	CGGCTGCTGAAAGCCATTTT	215
	Reverse	AGTTTGAGCATCCCTCGCTC	
<i>TDGF1</i>	Forward	TCCTTCTACGGACGAACTG	140
	Reverse	AGAAATGCCTGAGGAAAGCA	
<i>PDX-1</i>	Forward	GTTCCGAGGTAGAGGCTGTG	250
	Reverse	AACATAACCCGAGCACAAGG	
<i>NKX6.1</i>	Forward	ATTCGTTGGGGATGACAGAG	186
	Reverse	TGGGATCCAGAGGCTTATTG	
<i>FOXA2</i>	Forward	AACAAGATGCTGACGCTGAG	126
	Reverse	CAGGAAACAGTCGTTGAAGG	
<i>SOX17</i>	Forward	CAGAATCCAGACCTGCACAA	154
	Reverse	GCGGCCGGTACTGTAGTT	
<i>SOX9</i>	Forward	TACGACTACACCGACCACCA	213
	Reverse	TCAAGGTCGAGTGAGCTGTG	
<i>NGN3</i>	Forward	AGAGCCTCGGAAGACGAAGT	342
	Reverse	AGTCAGCGCCCAGATGTAGT	
<i>HNF1B</i>	Forward	AGCCCACCAACAAGAAGATG	145
	Reverse	CATTCTGCCCTGTTGCATTC	
<i>Insulin</i>	Forward	TGTACCAGCATCTGCTCCCTCTA	122
	Reverse	TGCTGGTTCAAGGGCTTTATTCCA	
<i>GATA4</i>	Forward	TCCAAACCAGAAAACGGAAG	187
	Reverse	CTGTGCCCGTAGTGAGATGA	
<i>SOCS3</i>	Forward	CCACTCTTCAGCATCTCTGTC	106
	Reverse	TCGTAAGTCCAGGAACT	
<i>MLXIPL</i>	Forward	GTACAGTGGGAACTGTGTCT	99
	Reverse	GCCCTCCATATGCCGTTATT	
<i>INSR</i>	Forward	CATGCGGAGTTGATGCTTTG	102
	Reverse	GCACAGTCTCCAGTCAATAA	
<i>PPARA</i>	Forward	CCTGCAAGAAATGGGAAACATC	106
	Reverse	GCCAGGACAGCTTCTAAAT	
<i>PIK3R5</i>	Forward	CAAACATGGGCTAGAGAGATAGG	102
	Reverse	GGGACTTTGTGCAGGATACA	
<i>BMP4</i>	Forward	GGAGATGGTAGTAGAGGGATGT	105
	Reverse	CGTGTGTGTGGTGTATGT	
<i>LEFTY1</i>	Forward	GGGACTTGACTTGTGTGTGT	98
	Reverse	CACTAGAGAGCACAGAGCATT	
<i>ID4</i>	Forward	CACATGTGCACTGTTGGTTAG	106
	Reverse	GGTTCACAGTCCACCAGTATAA	

(Continued to the next page)

**Supplementary Table 3. Continued**

Target name	Direction	Primer sequence (5'-3')	Size (bp)
<i>ID3</i>	Forward	CGACATGAACCACTGCTACTC	97
	Reverse	GATGACGCGCTGTAGGATTT	
<i>LEPR</i>	Forward	AGATGGTCAACCAGTACAATCC	114
	Reverse	GGGCTCAGATATGGGATGAATAG	
<i>CAMKK1</i>	Forward	CTCACGAGCTTTCCTACATCTT	110
	Reverse	GATAACGCCGAATGCGAAAC	
<i>WNT3</i>	Forward	GACTTCCTCAAGGACAAGTACG	113
	Reverse	GGCACCTTGAAGTAGGTGTAG	
<i>CDKN1A</i>	Forward	CGGAACAAGGAGTCAGACATT	105
	Reverse	AGTGCCAGGAAAGACAACACTAC	
<i>PDGFB</i>	Forward	GGTGGTTAGAGATGGAGTTTG	127
	Reverse	GATGAAAGGAACCAAGGGAAGAG	
<i>GABRP</i>	Forward	GGTCTGCTATGAGTGGCTTATC	111
	Reverse	ACCCGCAACCTGAACATAG	
<i>EDNRB</i>	Forward	TTGTGCGTTCCTGCCTAAT	117
	Reverse	CCACCTCATTTCTCTCTCTTC	
<i>HTR1F</i>	Forward	CACCAAGGAAGTAGCAGAGATG	102
	Reverse	CAATGCCAGTGGGATGTAGAA	
<i>P2RY2</i>	Forward	CAAGATGACAGAGGCAGTGTAG	134
	Reverse	ACTGAGGTGCTGCAAGATTAG	
<i>KCNJ4</i>	Forward	GACCTCAACGTGGGCTATG	110
	Reverse	TCCTTGCCCATGCCATAAA	
<i>CACNG6</i>	Forward	GAGAAGCAAAGTGCACCTATTT	91
	Reverse	GCCAGATTCACCTCTTTCTTTG	
<i>PLCB1</i>	Forward	CCAGGAAGTGGTGCAGTATATC	92
	Reverse	GCTGACGTATTTCTTGTGTTTC	
<i>ADRA2C</i>	Forward	TCTTCTTCTGGATCGGCTACT	102
	Reverse	GTCGGAAGAGGATGTGCTTAAA	
<i>INPP5D</i>	Forward	GTCAAGAGTCAGGAAGGAGAAA	110
	Reverse	AGGTACTCAGGGTCAGAGATAA	
<i>PLCD3</i>	Forward	GGAGATGCCACAGCTCTAAAT	128
	Reverse	GTGTGTGTGTGTGTGTGTG	
<i>SLC27A2</i>	Forward	CGGTGAACTGCTTCGGTATTT	106
	Reverse	TCTCCACACATCTCCTCGTAAG	
<i>AMH</i>	Forward	CTTCCGAGAAGACTTGACTG	139
	Reverse	CAGGAAGGCCTGCTCATAG	
<i>LEF1</i>	Forward	CCGAAGAGGAAGGCGATTTAG	111
	Reverse	CCTGAGAGGTTTGTGCTTGT	
<i>HRH3</i>	Forward	CTGCTATGCCGAGTCTTCTAC	115
	Reverse	GATGTTCCAGGTAGATGCTGAGG	
<i>SLC8A1</i>	Forward	GAGAGGATAGCAGGCAAACACTAC	104
	Reverse	CTCCTTGGCCTTCTGAATTA	
<i>GAPDH</i>	Forward	GAATGGGCAGCCGTTAGGAA	414
	Reverse	GACTCCACGACGTAACACTCAGC	