

Table S1. Primer sets for qRT-PCR analysis

Gene	Direction	Sequence (5'-3')	Product size (bp)
NPPA	Forward	TGCAGCTTCCTGTCAACACT	76
	Reverse	GAGGCGAGGAAGTCACCATC	
COUPTFII	Forward	CGCCTATAAATCGCATTCCCTC	165
	Reverse	AGTACGGCACCCGGAGAAA	
SHOX2	Forward	CAAAGAGGATGCGAAAGGGAT	122
	Reverse	AGTGGGTCTCGTCAAAAAGCC	
TBX18	Forward	GACGATCTTTCTCCCATCAAGC	124
	Reverse	CTATCTTCAGGCGAGTAATCTGC	
TBX3	Forward	CCCGTTCCACATTGTAAGAG	104
	Reverse	GTATGCAGTCACAGCGATGAAT	
HCN4	Forward	TGGACACCGCTATCAAAGTGG	157
	Reverse	CTGCCGAACATCCTTAGGGA	
MYL7	Forward	AAGCCATCCTGAGTGCCTTC	127
	Reverse	AACATCTGCTCCACCTCAGC	
ISL1	Forward	TCCCTATGTGTTGGTTGCGG	194
	Reverse	CATTTGATCCCGTACAACCTGA	
Cx30.2	Forward	CCGAGAACCTTGCCTTGGA	98
	Reverse	GACAGAAACCGCTGACTCCA	
Cx40	Forward	AGAGTGTGAAGAAGCCCACG	70
	Reverse	AACAGATGCCAAAACCTTCTGCT	
KCND2	Forward	GGGTCTTCGGCTAGCAAGTT	91
	Reverse	GCACCATGTCACCATACCCTA	
KCNK2	Forward	TGGAACAAGACTCCTTGCTGG	150
	Reverse	CTGCCGAACATCCTTAGGGA	
KCNN4	Forward	CCGAGAGGCAGGCTGTTAAT	81
	Reverse	AGCCGATGGTCAGGAATGTG	
KCNJ5	Forward	CCCACAACAGGGAGAGGTTT	170
	Reverse	AGCCATAGCTGGGATGTTGTT	
CACNA1A	Forward	GTCTGGGGAAAGAAGTGTCCG	151
	Reverse	GCTCCTCCCTTGGAATCTT	
CACNB1	Forward	CCAGTGCCAAACAGAAGCAG	181
	Reverse	CGAGTGATGGAGATCCTGCC	
SCN3B	Forward	ACGCATTCTGTAGCCCAGAC	156
	Reverse	CTTCCAAGGCTCTCGCCTC	
OCT4	Forward	CTGGGTTGATCCTCGGACCT	243
	Reverse	CCATCGGAGTTGCTCTCCA	
NANOG	Forward	TTTGTGGGCCTGAAGAAAAC	116
	Reverse	AGGGCTGTCTGAATAAGCAG	
KI67	Forward	CGTCCCAGTGAAGAGTTGT	143
	Reverse	CGACCCGCTCCTTTTGATA	
SOX2	Forward	GCCGAGTGGAACTTTTGTCG	155
	Reverse	GGCAGCGTACTTATCCTTCT	