Sup. Table 1

Primers	Target	Catelog/ Reference	Method	Sequence	
α-Actinin	Human	Origene (NM_001102)	SYBR	Forward	CAGGACCGTGTGGAGCAGATTG
				Reverse	CAGATTGTCCCACTGGTCACAG
ADRA2A	Human	Origene (NM_000681)	SYBR	Forward	CTTCTGGTTCGGCTACTGCAAC
				Reverse	GGAAACCTCACACGATCCGCTT
ADRB2	Human	Origene (NM_000024)	SYBR	Forward	TACCAGAGCCTGCTGACCAAGA
				Reverse	AGTCACAGCAGGTCTCATTGGC
Ascl1	Human	Origene (NM_004316)	SYBR	Forward	TCTCATCCTACTCGTCGGACGA
				Reverse	CTGCTTCCAAAGTCCATTCGCAC
ATP2A2	Human	Origene (NM_170665)	SYBR	Forward	GGACTTTGAAGGCGTGGATTGTG
				Reverse	CTCAGCAAGGACTGGTTTTCGG
CACNA1C	Human	Origene (NM_000719)	SYBR	Forward	GCAGGAGTACAAGAACTGTGAGC
				Reverse	CGAAGTAGGTGGAGTTGACCAC
CAV3	Human	Origene (NM_033337)	SYBR	Forward	GATTGACCTGGTGAACCGAGAC
				Reverse	CTTGGAGACAGTGAAGGTGGTG
CD36	Human	Origene (NM_000072)	SYBR	Forward	CAGGTCAACCTATTGGTCAAGCC
				Reverse	GCCTTCTCATCACCAATGGTCC
CD56	Human	Origene (NM_181351)	SYBR	Forward	CATCACCTGGAGGACTTCTACC
				Reverse	CAGTGTACTGGATGCTCTTCAGG
CONNEXIN 43	Human	Origene (NM_000165)	SYBR	Forward	GGAGATGAGCAGTCTGCCTTTC
				Reverse	TGAGCCAGGTACAAGAGTGTGG
CASQ1	Human	Origene (NM_001231)	SYBR	Forward	CTGGTAGACTCTGAGAAGGATGC
				Reverse	GCAGAAACTCCACGATGGTGTC
CHRNA3	Human	Origene (NM_000743)	SYBR	Forward	TGGAGACCAACCTGTGGCTCAA
				Reverse	CAGCACAATGTCTGGCTTCCAG
CHRNB4	Human	Origene (NM_000750)	SYBR	Forward	ATCTGGTTGCCTGACATCGTGC
				Reverse	TTGCAGGCGCTCTTGTAGATGG
DBH	Human	Origene (NM_000787)	SYBR	Forward	GCCTTCATCCTCACTGGCTACT
				Reverse	CAGCACTGTGACCACCTTTCTC
DESMIN	Human	Origene (NM_000719)	SYBR	Forward	GCAGGAGTACAAGAACTGTGAGC
				Reverse	CGAAGTAGGTGGAGTTGACCAC
GAPDH	Human	Origene (NM_002046)	SYBR	Forward	GTCTCCTCTGACTTCAACAGCG
				Reverse	ACCACCCTGTTGCTGTAGCCAA
GATA4	Human	Origene (NM_002052)	SYBR	Forward	GCGGTGCTTCCAGCAACTCCA

				Reverse	GACATCGCACTGACTGAGAACG
ISL1	Human	Origene (NM_002202)	SYBR	Forward	GCAGAGTGACATAGATCAGCCTG
				Reverse	GCCTCAATAGGACTGGCTACCA
ITPR3	Human	Origene (NM_002224)	SYBR	Forward	GCAACCACATCTGGACGCTCTT
				Reverse	AGAAGGCGTTGATGGTGTCCAG
KI67	Human	Origene (NM_002417)	SYBR	Forward	GAAAGAGTGGCAACCTGCCTTC
				Reverse	GCACCAAGTTTTACTACATCTGCC
MYH6	Human	Origene (NM_002471)	SYBR	Forward	GGAAGACAAGGTCAACAGCCTG
				Reverse	TCCAGTTTCCGCTTTGCTCGCT
MYH7	Human	Origene (NM_000257)	SYBR	Forward	GGAGTTCACACGCCTCAAAGAG
				Reverse	TCCTCAGCATCTGCCAGGTTGT
MYL2	Human	Origene (NM_000432)	SYBR	Forward	CGGAGAGGTTTTCCAAGGAGGA
				Reverse	CTCTTCTCCGTGGGTGATGATG
MYL7	Human	Origene (NM_021223)	SYBR	Forward	CGACCAGAATCGTGATGGCATC
				Reverse	CAAAGAGCGTGAGGAAGACGGT
NKX2-5	Human	Origene (NM_004387)	SYBR	Forward	AAGTGTGCGTCTGCCTTTCCCG
				Reverse	TTGTCCGCCTCTGTCTTCTCCA
PHOX2B	Human	Frith et al. (2018)	SYBR	Forward	CTACCCCGACATCTACACTCG
				Reverse	CTCCTGCTTGCGAAACTTG
PRPH	Human	Home-made	SYBR	Forward	GTGCCCGTCCATTCTTTTGC
				Reverse	GTCACCACCTCCCCATTCCG
PLN	Human	Origene (NM_002667)	SYBR	Forward	AGCACGTCAAAAGCTACAGAATC T
				Reverse	CTGATGTGGCAAGCTGCAGATC
RYR2	Human	Origene (NM_001035)	SYBR	Forward	CTTGAGGTTGGCTTTCTGCCAG
				Reverse	TGTGCCAGCAAAGAGAGGAGCA
TH	Human	Origene (NM_199292)	SYBR	Forward	GCTGGACAAGTGTCATCACCTG
				Reverse	CCTGTACTGGAAGGCGATCTCA
VMAT1	Human	Origene (NM_003053)	SYBR	Forward	CAGCCTTCCAAAGTCTCTCCTG
				Reverse	GCACATGGTCTGCATCATCCAG
WT1	Human	Origene (NM_024426)	SYBR	Forward	CGAGAGCGATAACCACACAACG
				Reverse	GTCTCAGATGCCGACCGTACAA