

**Table S1.** Primers used in this study.

Gene	Primer	sequence (5'-3')	T <sub>m</sub> /°C	Product Size/bp
CHRNA1	CHRNA1-F CHRNA1-R	AGTGGGTGCGGAAGGTTTT GGGGTGTGTGATCAGGGGAG	55	182
CAPN6	CAPN6-F CAPN6-R	AGCCTAGAGGACTTTTGCCG TTGTGCTCATCCTCTGGCAC	57	215
MYOM3	MYOM3-F MYOM3-R	GTATCAGGTCCGTCAGCGAG ATATGGCGCAGACGGTGTAG	55	98
COL11A1	COL11A1-F COL11A1-R	TTTTGAGGGGGACATCCAGC TCAGGTGCATACTCGTCAACC	64.5	128
CDK14	CDK14-F CDK14-R	TATTCCAGTTGCTGCGAGGG TATGTGTGGCTAGGGACGGA	57	154
MYOZ2	MYOZ2-F MYOZ2-R	ATCTCAGTAACCGTGGTGCC CCGGGGTGTTAGGAGGAGTA	59	192
FMNL2	FMNL2-F FMNL2-R	CAACCATACAGACGAGCCGA CGGCACCATTAAACAGAACGC	61.3	85
CKB	CKB-F CKB-R	CCCAGGCCACCCCTATATCA GCTCGTCGGTGGGCTTATAG	59	128
FGF11	FGF11-F FGF11-R	ACCAGCTCTTTCACCCACTT TAGAGAGCAGAGGCGTACAG	62.6	194
SYNPO2L	SYNPO2L-F SYNPO2L-R	TCCAAGATCCGAAGACGGAG CCCTGAGGCATCGATAAGGC	61.4	132
HuR	HuR-F HuR-R	TGACCCAGGATGAGCTACGA AAGCTGTGTCCTGCCACTTT	59	91
Myomaker	Myomaker-F Myomaker-R	CTTCAGCATCTACGGGACGG ATGGTCAGGACGCCAAACAT	55.7	108
MyHC	MyHC-F MyHC-R	CCACATCTTCTCCATCTCTG GGTTCCTCCTTCTTCTTCTC	60.7	177
MyoD	MyoD-F MyoD-R	GTGCAAACGCAAGACGACTA GCTGGTTTGGGTTGCTAGAC	60.4	128
MyoG	MyoG-F MyoG-R	GGACCCTACAGATGCCCACAA TTGGTATGGTTTCATCTGGG	59	101
GAPDH	GAPDH-F GAPDH-R	GCAAGTCCACGGCACAG GGTTCACGCCCATCACAA	59	249
PGK1	PGK1-F PGK1-R	TGGACCTGTGGGTGTATT CTGACTTTATCCTCCGTGTT	59	159
Actin	Actin-F Actin-R	CCTGCGGCATTACGAAACTAC ACAGCACCGTGTGGCGTAGAG	59	87
PEGFP-HuR	PEGFP-HuR-F PEGFP-HuR-R	CCGCTCGAGATGTCTAATGGTTATGAAGA CCCAAGCTTTTTGTGGGACTTGTGG	60.8	1000