



B

Primer	Sequence (5' to 3')	NCBI Reference Sequence	PCR product
hMyoc sense	GACACCGGATGTGGAGAACTA	NM_000261.1	299bp
hMyoc anti-sense	GACTCAGCGCCCTGGAAATA		
hAqp1 sense	TTTGGGTATGAAGCCGTGTC	NM_001185061.1	391bp
hAqp1 anti-sense	AGTCAATAGCCAGGAGGTGT		
hActa2 sense	AAAGCAAGTCTCCAGCG	XM_011538636.2	200bp
hActa2 anti-sense	GCTTCACAGGATCCCGTC		
hCryab1 sense	GGTGGATAGAAGGGGGACA	XM_011538636.2	94bp
hCryab1 anti-sense	TACTCACTGAGCTCAAGACA		
hCryab2 sense	AAACGGCCTGGGTGGATAGA	NM_001885.2	100bp
hCryab2 anti-sense	CACTGAGCTCAAGACACACTTG		
hTimp3 sense	CAAGATGTACACGGGGCTGT	NM_000362.4	218bp
hTimp3 anti-sense	AGGCTGAGTGTTGGACTGG		
hTRPV4 sense	TCCATTCTTGCTGACCCAC	XM_011538636.2	217bp
hTRPV4 anti-sense	AGGGCTGTCTGACCTCGATA		
hβ-actin sense	CCTTCCTCCACTGGTACAC	XM_011538636.2	164bp
hβ-actin anti-sense	TCTGCCTTAGGCCTCCTCCT		

Figure S1. (A) Representative quantitative PCR results demonstrating gene expression of aquaporin 1 (Aqp1); Tissue Inhibitor of Metalloproteinase 3 (TIMP3); crystalline, alpha B1 (Cryab1); crystalline, alpha B2 (Cryab2); myocilin, transient receptor potential 4; vanilloid family (TRPV4); smooth muscle α 2 actin; β actin. (B) List of primers used for PCR reaction.