

**Table S1.** Primer sequences used for PCR.

Gene	Primer sequence
AQP1	F: 5'-ATGGCCAGCGAGTTCAAGAAGAAG-3'
	R: 5'-GGTTCTGCCCTGGGCTTCAAAT-3'
COL8A1	F: 5'-CCT GGG TCA GCA AGT ACC TC-3'
	R: 5'-TTG TTC CCC TCG TAA ACT GG-3'
COL8A2	F: 5'-CTG GTT TGG ATG GGC TTC CT-3'
	R: 5'-CTC ATC GAA GGC CCC AGG AG-3'
ATP1A1	F: 5'-ACA GAC TTG AGC CGG GGA TTA-3'
	R: 5'-TCC ATT CAG GAG TAG TGG GAC-3'
GAPDH	F: 5'-GTATCGTGGAAGGACTCATGACCA-3'
	R: 5'-TAGAGGCAGGGATGATGTTCTGGA-3'
Human mitochondrial DNA	mt8709F: 5'-CAA CAC TAA AGG ACG AAC CTG A-3'
	mt10171R: 5'-TCG TAA GGG GTG GAT TTT TC-3'