

**Table S1** Primers and Probes used. List of sequences of primers and probes used in these study.

Gene	Primers	Probe
<b>AQP2</b>	FW: 5'-TGGTGCTGTGCATCTTTGCCT-3' RV: 5'-ACTTGCCAGTGACAACTGCTG-3'	5'-ACCTCCTTGGGATCTATTTACCCGG-3'
<b>NaPi-lia</b>	FW: 5'-GGAATCACAGTCTCATTTCGGATT-3' RV: 5'-ATGGCCTCTACCCTGGACATAG-3'	5'-TGTC AAC CAGAGACAAAAGAGGCTTCCACT -3'
<b>NaPi-lic</b>	FW: 5'-GGGATCGGGATGAATTCAGA-3' RV: 5'-GGGCCAGCTCACTCAGTCTCT-3'	5'-ACGGCATCTTCAACTGGCTCACAGTGTT-3'
<b>Pit-2</b>	FW: 5'-CCTGCTTTGGGTCCTTTGC-3' RV: 5'-CAGCCACAGGGCCACAAG-3'	5'-ACGGTGGCAACGATGTGAGCAATG-3'
<b>HPRT</b>	FW: 5'-GCTGAAGAT TTGAAAAGGTGTTTA-3' RV: 5'-ACACAGAGGGCCACAATGTGA- 3'	5'- TTATGGACAGGACTGAAAGACTTGCTGGAGATG-3'
<b>NHE3</b>	FW: 5'-CACCCACCACACGTTGCA-3' RV: 5'-GTGAGCTCGTGCCGACTGT-3'	5'-CTCTACAAGCCTCGGCAGGAGTACAA-3'
<b>Klotho</b>	FW: 5'-TATCTCAAGAAGTTCATAATGGAAAGC-3' RV: 5'-GAGGGACCATGCGGTGTA-3'	5'-TAAAAGCCATCAGGCTGGATGGGG-3'