

Supplementary Table S1. Primer sequences used for real-time PCR.

ACTB = β -actin, AQP1 = aquaporin-1, CAD16 = cadherin 16, CAT = Catalase, CD13 = alanyl aminopeptidase, CUBN = cubilin, , β -GAL = beta galactosidase, GLUT5 = glucose transporter 5, GPX1 = glutathione peroxidase 1, GSS = glutathione synthetase, HMOX1 = Heme oxygenase 1, IL-8 = Interleukin 8, MEG = megalin, MnSOD2 = manganese-dependent superoxide dismutase, NANOG = homeobox protein, N-CAD = N-cadherin, NOS2/3 = Nitric oxide synthase 2/3, NOX1/4 = NADPH oxidase 1/4, NQO1, quinone oxidoreductase 1, NRF2 = Nuclear factor erythroid 2-related factor 2, OAT1/3 = organic anion transporter 1/3, OCT3/4 = octamer-binding transcription factor 3/4, p21 = cyclin-dependent kinase inhibitor 1, p47 = p47phox, a subunit of NADPH oxidase, PEPT1/2 = peptide transporter 1/2, RPL32 = ribosomal protein L32, SOD1 = superoxide dismutase 1, TRX = Thioredoxin, TXNRD1 = Thioredoxin reductase

Gene	Forward	Reverse
ACTB	GAGCACAGAGCCTCGCC	TCATCATCCATGGTGAGCTGG
AQP1	CATCCTCTCAGGCATCACCTC	CACACCATCAGCCAGGTCATTG
CAD16	AGCACGTGTGAAGTCGAAGT	ACTGAGGTTCTGGGAAGTGATG
CAT	CAAAATGCTTCAGGGCCGC	GAGCACGGTAGGGACAGTTC
CD13	TGGCCACTACACAGATGCAG	CTGGGACCTTTGGGAAGCAT
CUBN	TAGCTTCGTGAAGGTGTGGG	GACTGGAAGACGGCAGTGAA
β-GAL	TGCGCAATGCCACCCA	CAGGGCACATACGTCTGGAT
GCLC	ACGGAGGAACAATGTCCGAG	CAGGACAGCCTAATCTGGGAA
GLUT5	GCCAAAGTGACCCAGAATG	GTCAGCCTCCCTTCCTTCAT
GPX1	CCGGGACTACACCCAGATGA	TTGGCGTTCTCCTGATGCC
GSS	ATAGCTGCTGGCCGAAACT	TCCGTGAGTCCCACTGTC
HMOX1	CTGCTCAACATCCAGCTCTTTG	CTTGGTGTCATGGGTCAGCA
IL-8	TTGGCAGCCTTCCTGATTTCT	GGGTGGAAAGGTTTGGAGTATG
MEG	GCCAGTGGCCAAGAATGTGA	TCCGCGTCATCTGAACAGTC
MnSOD2	GCTTTCTCGTCTTCAGCACC	AGATACCCCAAACCGGAGC

NANOG	ACCTCAGCTACAAACAGGTGAA	AAAGGCTGGGGTAGGTAGGT
N-CAD	AGGCTTCTGGTGAAATCGCA	GCAGTTGCTAAACTTCACATTGAG
NOS2	CTCCACATTGTTGTTGAT	AATCCAGATAAGTGACATAAG
NOS3	TGGAGTCTTGTGTAGGATA	CAAGGAGACGAAGAGAAC
NOX1	AATGTCACATACTCCACTG	CTCTCCAGCCTATCTCAT
NOX 4	TGACAGGTTTGTGTCCTG	CTGGAAGAACCCAAGTTCCA
NQO1	ACCTTGTGATATTCCAGTTCCCC	GAACACTCGCTCAAACCAGC
NRF2	AGTGACTGAAACGTAGCCGA	CAGCTTTTGGCGCAGACATT
OAT1	AGTATGGAGGTACTCCGGGC	GCATGGAGAGGCAGAGGAAG
OAT3	CTTTGTGCCCTTGGACTTGC	GGAAGAGGCAGCTGAAGGAG
OCT3/4	ACCCACACTGCAGCAGATCA	CCACACTCGGACCACATCCT
p21	AGTCAGTTCCTTGTGGAGCC	GACATGGCGCCTCCTCTG
p47	GGGCGCGGATTTATAGCAGT	CCCCAGTCACTCACGTTTCC
PEPT1	CAAGTGCATCGGTTTTGCCA	CTCTTTAGCCCAGTCCAGCC
PEPT2	CTGGGAGGACAAGTGGTACA	AGTCCGTTCTCTGCATGTT
RPL32	GTTACGACCCATCAGCCCTTG	CATGATGCCGAGAAGGAGATGG
SOD1	GCCTCATAATAAGTGCCATA	TCTGTTTCAATGACCTGTATT
TRX	GATGGTCAAGAGCCCAACCA	CCGGGAAGTATCTCGGTGTG
TXNRD1	AGCATGTCATGTGAGGACGG	CCAATTCCGAGAGCGTTCCT