

Table S2. Primers sequences used for quantitative RT-PCR.

Gene	Primer sequence (5' - 3')	Annealing temperature (°C)	Product size (bp)
β-Actin	F: TGGAACGGTGAAGGTGACAGC R: GCTTTTGGGAAGGCAGGGACT	60	177
DMT1	F: GCAGGTGGTTGACGTCTGTA R: CACGCCCCCTTTGTAGTAGT	60	100
PePT1	F: AAGATGAAATGTGAGCGTATGGG R: TTACTCGGCTGGTTTTTTGAGTG	60	115
CAT1	F: TCTTTGCAGGTCGTTTGGGA R: GGCTGATCACCTGTTGGAGT	60	100
ZnT1	F: TGCTCTGCATGCTGTTACTGA R: TGGAAGGACTCCGAGAGCAT	60	97
SGLT1	F: GCAACAGCAAAGAGGAGCGTAT R: GCCACAAAACAGGTCATAGGTC	60	110
GLUT2	F: GACACGTTTTGGGTGTTCCG R: GAGGCTAGCAGATGCCGTAG	60	149

¹DMT1, divalent metal transporter-1; PePT1, peptide-transporter-1;

² CAT1, cationic amino acid transporter-1; ZnT1, Zinc transporter-1; GLUT2, glucosetransporter-2; SGLT1, Na⁺-dependent glucose transporter-1.