

# Supplementary Table S1

The primers for quantitative real-time PCR.

Gene	Primer sequence (5' to 3')	Accession number	Size, bp
Zip4	F: TGGCTGTGTATGGGCTGTCT R: ACTGGCTGAGCTGGTCCTG	JF346412.1	141
Zip7	F: TCCAGGCATCAAGCAAGA R: CCACCCGAAGCAAACT	NM_001131045.1	171
ZnT1	F: AACCGACCAGGAGGAGAC R: TACTACAATCACGGAACCCA	FJ374262.1	244
ZnT4	F: GTGGACCCCTGTGACAACTG R: CTGACAAGACCTCTAAGCGATG	EU835903.1	277
Ctrl	F: CCTATGACCTTCTACTTTGGCTT R: CGGGCTATCTTGAGTCCTTC	AF320815.2	137
Cox17	F: CTGAATCGCAGGAGAAGAAG R: TGGGCCTCAATTAGGTGTC	NM_001348525.1	121
Atox1	F: CTCTAACGCAGTCACTCGGG R: CAGACCTTCTTGTTGGGCA	NM_001167641.2	79
ATP7A	F: CAGGAGTAGGTGCTCAAAATG R: ATGGGTAATGGTTCCAGTCTT	AB271958.1	107
ATP7B	F: GAACCCCAAGGCTCATCAC R: CCGAGGAACTGGACAAAGG	AB271959.1	228
CCS	F: CGATGAGGGAGAAGACGACC R: AGCGAGCGATGATGCCA	AY573056.1	98
DMT1	F: TCTTATGAGCATTGCCTACCT R: AACCTTGGGATACTGACGG	EU647217.1	199
CYTB	F: TACTTATGGGAGTGACCGAGA R: GACTATCCAAAAAATGAGAGCC	AM268434.1	137
Hp	F: ATCTCCCACCATAACCTCACC R: CCACCTCCTGTTTCTTTCCC	NM_214000.2	157
Tf	F: AAACAGTGGTGGGAAAATAGAG R: CCGCAATGTAGATGTAGCCT	NM_001244653.1	119
GAPDH	F: ATTCCACGGCACAGTCAA R: AGCAGAAGGGGCAGAGAT	AF017079.1	214