

Supplementary table 1

Primer sequences and annealing temperatures used:

Gene	Primer sequence	Annealing Temperature
Beta-actin	Sense: 5'-GACGGCCAAGTCATCACTATTG-3' Antisense: 5'-CCACAGGATTCCATACCCAAGA-3'	58 °C
Dcytb	Sense: 5'-GCAGCGGGCTCGAGTTTA-3' Antisense: 5'-TTCCAGGTCCATGGCAGTCT-3'	58 °C
DMT1	Sense: 5'-CTG CTG AGC GAA GAT ACC-3' Antisense: 5'-GTA AAC CAT AGA AAC ACA CTG G-3'	52.6 °C
Ferroportin	Sense: 5'-TTGCAGGAGTCATTGCTGCTA-3' Antisense: 5'-TGGAGTTCTGCACACCATTGAT-3'	61 °C
Hephaestin	Sense: 5'-TTGTCTCATGAAGAACATTACAGCAC-3' Antisense: 5'-CATATGGCAATCAAAGCAGAAGA-3'	59.5 °C
TfR1	Sense: 5'-TGG GTC TAA GTC TAC AGT GGC-3' Antisense: 5'-AGA TAC ATA GGG CGA CAG GAA-3'	61 °C
H ferritin	Sense: 5'-GCGAGGTGGCCGAATCT-3' Antisense: 5'-CAGCCCGCTCTCCAGT-3'	57.8 °C
Hepcidin	Sense: 5'-TGTCTCCTGCTTCTCCTCCTTG-3' Antisense: 5'-AGCTCTGTAGTCTGTCTCATCTGTTGA-3'	56.7 °C