Supplementary Table 1

Primer sequences and annealing temperatures used:

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| Gene Primer sequence Annealing  Temperature  |
| Βeta-actin Sense 5’-GTGGGGCGCCCCAGGCACCA-3’ 63.1 oC Antisense 5’-CTCCTTAATGTCACGCACGATTTC-3’ Dcytb Sense 5’-CATGGTCACCGGCTTCGT-3’ 61 oC Antisense 5’-CAGGTCCACGGCAGTCTGTA-3’DMT1 Sense 5’-TGCTGCTATCATTCCAACACTAAATT-3’ 61 oC Antisense 5’-ATATAGCCTGGTTAAGAATCATGCA-3’Ferroportin Sense 5’-TGACCAGGGCGGGAGA-3’ 55.3 oC Antisense 5’-GAGGTCAGGTAGTCGGCCAA-3’Hephaestin Sense 5’-GGAAGAAATGTCATCACGAACCA-3’ 57.6 oC  Antisense 5’-TCCCCCTATCCGGTTCTTG-3’TfR1 Sense 5’-CGTGATCAACATTTTGTTAAGATTCA-3’ 61 oC  Antisense 5’-CCACATAACCCCCAGGATTCT-3’H ferritin Sense 5’-GGAACATGCTGAGAAACTGATGAA-3’ 61 oC  Antisense 5’-CATCACAGTCTGGTTTCTTGATATCC-3’Hepcidin Sense 5’-TTTCCCACAACAGACGGGAC-3’ 52.6 oC Antisense 5’-AGCTGGCCCTGGCTCC-3’ |