

Supplementary Table S1. Primers and thermal cycling parameters used for RT-qPCR. Sequences are in the 5'-3' direction and subscript numerals refer to positions within the sequences deposited under the stated Genbank accession numbers. Forward (5') then reverse (3') primer sequences are stated in each case.

Gene	Transcript Genbank accession number	Primer sequences	Anneal temp. (°C)	Holding times (at 95°C; annealing temperature; 72°C)	No. of cycles
<i>MTF1</i>	NM_005955.2	⁴⁰¹ AATGTCCCAGGGTTATGTGC ⁴²⁴ ⁵⁸⁴ GGACAGCCCTCAAAGGTACA ⁵⁶⁵	60	5 s; 10 s; 10 s	40
<i>ATP7B</i>	NM_000053.3	²⁷⁰⁹ TGGCTGATGAGTCCCTCATCACAG ²⁷³² ²⁹⁰⁵ CAGCTGCTGAATGGGTGCCTT ²⁸⁸⁴	55	5 s; 10 s; 10 s	40
<i>EMP3</i>	NM_001425.2	⁵¹⁸ CTACACCATGCGACGAGGAG ⁵³⁷ ⁷³⁴ CCGTAGGTGGATGTAGATGATGC ⁷¹²	55	5 s; 10 s; 10 s	40
<i>SLC39A10</i>	NM_001127257.1	¹⁴²⁵ CATCAGCCTGGATTTGTGGT ¹⁴⁴⁴ ¹⁶³⁸ TGTGCATGTTGGTGACTGTG ¹⁶¹⁹	55	5 s; 10 s; 10 s	40
<i>BUB3</i>	NM_004725.3	³⁸⁷ ATGCGGCTCAAGTACCAGC ⁴⁰⁵ ⁵⁰⁴ GATCAGTGTTCAAATCATGC ⁴⁸⁵	55	5 s; 10 s; 10 s	40
<i>MT1A</i>	NM_005946.2	⁶⁹ TCGAAATGGACCCCAACTGC ⁸⁸ ³⁰⁸ GTTTGTGCAGGTCACTCTTTCT ²⁸⁷	60	5 s; 10 s; 10 s	40
<i>MT1B</i>	NM_005947.2	¹⁸¹ CAAGTGTGCCAGGGCTGTG ²⁰⁰ ³²⁹ GTAGCAAACCGGTCAGGGTA ³⁰⁹	60	5 s; 10 s; 10 s	40
<i>MT1E</i>	NM_175617.3	¹⁶¹ AGCATCCCCTTTGCTCGAAA ¹⁸⁰ ³⁴⁹ CACCTCTCCGATGCCCTTT ³³⁰	60	5 s; 10 s; 10 s	40
<i>MT1F</i>	NM_005949.3	² CCCCCTCCCTGACTATCAA ²¹ ²²² AGGAGCAGCAGCTCTTCTTG ²⁰³	60	5 s; 10 s; 10 s	40
<i>MT1G</i>	NM_005950.2	⁵¹ TCTAGTCTCGCCTCGGGTTG ⁷⁰ ²⁹⁰ TATTTGTACTTGGGAGCAGGGC ²⁶⁹	60	5 s; 10 s; 10 s	40
<i>MT1H</i>	NM_005951.2	⁶⁹ GCAATGGACCCCAACTGCTC ⁸⁸ ³⁴⁸ AATGTAGCAAATGAGTCGGAGTTG ³²⁵	60	5 s; 10 s; 10 s	40
<i>MT1X</i>	NM_005952.3	³⁶ TCTTGATCGGGAACCTCTGC ⁵⁵ ²³⁹ CTTGTCTGACGTCCCTTTGC ²²⁰	60	5 s; 10 s; 10 s	40
<i>TOP1</i>	NM_003286.2	Human TOP1 Primer Mix (HK-SY-hu-1200; Primer Design)	55	5 s; 10 s; 10 s	35
<i>GAPDH</i>	NM_002046.4	¹⁸⁵ TGAAGGTCGGAGTCAACGGATTG ²⁰⁹ ³¹² CATGTAAACCATGTAGTTGAGGTC ²⁸⁹	57	30 s; 30 s; 30 s	30