Table 1: Gene-specific primers used in analysis via RT-PCR, metabolic pathway and accession number of GenBank.

Gene	Metabolic pathway	Gene expression	GenBank
EFα	Housekeeping gene	hEF1a-FOR: GCCAGTGGAACCACGCTGCT hEF1a-REV: ATCCTGGAGAGGCAGGCGCA	NM_ 001402
B2M	Housekeeping gene	hB2M-FOR: CTCACGTCATCCAGCAGAGAA hB2M-REV: TCGGATGGATGAAACCCAGAC	NM_004048.2
NFR2	Nuclear factor, erythroid 2 like 2	hNFR2- FOR: GATGAAGAGACAGGTTGCCCA hNFR2- REV: TACAAACGGGAATGTCTGCG	NM_001313904.1
HIF-1α	Hypoxia inducible factor 1 alpha subunit	hHIF-1α – FOR: GTCTGAGGGGACAGGAGGAT hHIF-1α – REV: CTCCTCAGGTGGCTTGTCAG	NM_001530.3
OCT-4	Octamer-binding transcription factor 4	hOCT4-FOR: TTCCCCATGGCGGGACACCT hOCT4-REV: CCCCTGGCCCATCACCTCCA	NM_002701
ABCB1(MDR)	ATP binding cassette subfamily B member 1	hABCB1-FOR: TCCTCAGTCAAGTTCAGAGTCTTCA hABCB1-REV: TCTCCACTTGATGATGTCTCTCACT	NM_000927
CAT	H_2O_2 degradation	hCAT-FOR: TGAAGATGCGGCGAGACTTT hCAT-REV: GAGGGGTACTTTCCTGTGGC	NM_001752.3

SOD1	O_2^- degradation Conjugation	hSOD1-FOR: GAAAACACGGTGGGCCAAAG	NM_000454.4
		hSOD1-REV: GCAGTCACATTGCCCAAGTC	
SOD2	O_2^- degradation Conjugation	hSOD2-FOR: AGCGGCTTCAGCAGATCG	NM_001322816.1
		hSOD2-REV: AACATGCTGCTAGTGCTGGT	
SOD3	O_2^- degradation Conjugation	hSOD3-FOR: CTCTGAGGTCTCACCTTCGC	NM_003102.2
		hSOD3-FOR: TGGTGGGTCTCGGTATAGGG	
GSTM4	Conjugation of GSH and xenobiotics	hGSTM1-FOR: TGGACGCCTTTCCAAATCTGA	NM_147148.2
		hGSTM1-FOR GCCACAGGAAACCTCAAAGC	
GLUT1	Glucose Transporter 1	hGLU1-FOR: TGGCATCAACGCTGTCTTCT	NM_006516.2
		hGLUT1-REV: AGCCAATGGTGGCATACACA	