

**Supplementary Table 1.** Oligonucleotides used for PCR amplification of antioxidant, inflammation and apoptosis-related genes

Gene	Accession Number	Primer Sequence		Amplicon Size (bp)
Nrf2	NM_031789.1	<sup>F</sup> CAGGTTGCCACATTCCCAA	<sup>R</sup> ATATCCAGGGCAAGCGACTCAT	110
SOD	X05634.1	<sup>F</sup> CGAGCATGGGTTCCATGTC	<sup>R</sup> CTGGACCGCCATGTTTCTTAG	101
CAT	NM_012520.2	<sup>F</sup> ACAACTCCCAGAAGCCTAAGAATG	<sup>R</sup> GCTTTTCCCTTGGCAGCTATG	76
GPx	NM_030826.4	<sup>F</sup> GGAGAATGGCAAGAATGAAGA	<sup>R</sup> CCGCAGGAAGGTAAAGAG	139
NF-kB	NM_199267.2	<sup>F</sup> CGCGGGGACTATGACTTGAA	<sup>R</sup> AGTTCCGGTTTACTCGGCAG	163
TNF- $\alpha$	NM_012675.3	<sup>F</sup> ACTGAACTTCGGGGTGATCG	<sup>R</sup> GCTTGGTGGTTTGCTACGAC	153
iNOS	XM_006246949.3	<sup>F</sup> CAGCCCTCAGAGTACAACGAT	<sup>R</sup> CAGCAGGCACACGCAATGAT	91
IL-1 $\beta$	NM_031512.2	<sup>F</sup> GACTTCACCATGGAACCCGT	<sup>R</sup> GGAGACTGCCATTCTCGAC	104
IL-10	NM_012854.2	<sup>F</sup> TTGAACCACCCGGCATCTAC	<sup>R</sup> CCAAGGAGTTGCTCCCGTTA	91
p53	NG_005120.4	<sup>F</sup> CTACTAAGGTCGTGAGACGCTGCC	<sup>R</sup> TCAGCATAACAGTTTCCCTCCACC	106
Bax	U49729.1	<sup>F</sup> CGCGTGGTTGCCCTCTTCTACTTT	<sup>R</sup> CAAGCAGCCGCTCACGGAGGA	124
Bcl-2	NM_016993.1	<sup>F</sup> ATCGCTCTGTGGATGACTGAGTAC	<sup>R</sup> AGAGACAGCCAGGAGAAATCAAAC	134
Caspase-8	NM_022277.1	<sup>F</sup> GTTCTCTCAGTTGCCTTTCTCC	<sup>R</sup> GGCCAGTCCGCCAAAGTTTA	90
Caspase-9	NM_031632	<sup>F</sup> CTGAGCCAGATGCTGTCCATA	<sup>R</sup> CCAAGGTCTCGATGTACCAGGAA	168
Caspase-3	NM_012922	<sup>F</sup> AAGATACCAGTGGAGGCCGACTTC	<sup>R</sup> GGGAGAAGGACTCAAATTCCGTGG	199
GAPDH	NM_017008	<sup>F</sup> TCACCACCATGGAGAAGGC	<sup>R</sup> GCTAAGCAGTTGGTGGTGCA	169

Bax: Bcl-2-associated X protein, Bcl-2: beta cell lymphoma-2, Nrf2: nuclear factor erythroid 2-related factor 2, SOD: superoxide dismutase, CAT: catalase, GPx: glutathione peroxidase, NF-kB: nuclear factor kappa B, TNF: tumour necrosis factor, iNOS: inducible nitric oxide synthase, IL: interleukin, GAPDH: glyceraldehyde-3-phosphate dehydrogenase, p53: tumour protein.