

Supplementary Table I

Primers and sequences used in qRT-PCR analyzes

Genes	Sequences
Apoptotic protease activating factor 1 (APAF-1)	F: 5'-GATATGGAATGCTTCAGATGGCC-3' R: 5'-GGTCTGTGAGGACTCCCCA-3'
B-cell lymphoma 2 (BCL 2)	F: 5'-ATGTGTGTGGAGAGCGTCAA-3' R: 5'-ACAGTTCACAAAAGGCATCC-3'
BCL2-associated X (BAX)	F: 5'-TTCATCCAGGATCGAGCAGA-3' R: 5'-GCAAAGTAGAAGGCAACG-3'
Cytochrome-C (cyc-c)	F: 5'-AGTGGCTAGAGTGGTCATTCATTAC-3' R: 5'-TCATGATCTGAATTCTGGTGTATGAG-3'
Glyceraldehyde-3-phosphate dehydrogenase (GAPDH)	F: 5'-AATTCCGATCTTCGACATGG-3' R: 5'-GAAAAAGCGGCAGTCGTAAT-3'
Caspase 3 (CASP 3)	F: 5'-GGTATTGAGACAGACAGTGG-3' R: 5'-CATGGGATCTGTTTCTTTGC-3'
Cyclin-dependent kinase inhibitor-1 (p21 ^{cip1})	F: 5'-GGCGTTTGGAGTGGTAGAAA-3' R: 5'-GACTCTCAGGGTCGAAAACG-3'
Cyclin-dependent kinase inhibitor-1b (p27 ^{kip1})	F: 5'-CCGGCTAACTCTGAGGACAC-3' R: 5'-TGGATCCAAGGCTCTAGGTG-3'
Tumor suppressor gene (p53)	F: 5'-CACGAGCGCTGCTCAGATAGC-3' R: 5'-ACAGGCACAAACACGCACAAA-3'
X-Linked apoptosis inhibitor (XIAP)	F: 5'-GGGGTTCAGTTTCAAGGAC-3' R: 5'-TGCAACCAGAACCTCAAGTG-3'
Catalase (CAT)	F: 5'-TACGAGCAGGCCAAGAAGTT-3' R: 5'-ACCTTGTACGGGCAGTTCAC-3'
Glutathione peroxidase (GPX)	F: 5'-TGGGACCAGCAAGTAAAACC-3' R: 5'-TCGCGAATGTAGAATCGTG-3'
Superoxide dismutase (SOD)	F: 5'-GTTCCGGTGACAACACCAATG-3' R: 5'-GGAGTCGGTGTATGTTGACCT-3'
Single-strand selective monofunctional uracil DNA glycosylase (SMUG)	F: 5'-CTCTGTGGCTGAGGGTTGAT-3' R: 5'-TTGTAGATGATGCCACAGG-3'
Caspase 9 (CASP9)	F: 5'-TGCTGAGCAGCAGCGAGCTGTT-3' R: 5'-AGCCTGCCCGCTGGAT-3'
Caspase 8 (CASP8)	F: 5'-CAGGCAGGGCTCAAATTTCT-3' R: 5'-TCTGCTCACTTCTTCTTCGAAAATCTGA-3'
Activating transcription factor 4 (ATF4)	F: 5'-CCTGACTCTGCTHCTTATATTACTCTAAC-3' R: 5'-ACTCCAGGTGGGTCATAAGGTTTG-3'
Tumor necrosis factor-alpha (TNF-α)	F: 5'-GGGGCCACCACGCTCTTCTGTC-3' R: 5'-TGGGCTACGGGCTTGTCACTCG-3'
Heat shock protein 26 (HSP26)	F: 5'-CAAGCAGCTGAACAAGCTAACAATCTG-3' R: 5'-GCATGATGTGACCAATGGTCGTCCTGG-3'
Heat shock protein 70 (HSP70)	F: 5'-GAACGGGCCAAGCGCACACTCTC-3' R: 5'-TCCTGGATCTTGCCGCTCTGGTCTC-3'
Heat shock protein 83 (HSP83)	F: 5'-CCCGTGGCTTCGAGGTGGTCT-3' R: 5'-TCTGGGCATCGTCGGTAGTCATAGG-3'
Bcl-2 Homologous antagonist killer (BAK)	F: 5'-ATTAAGCTTGGAGCTGGGACCTCCTCTATG-3' R: 5'-ACTTAAGCTTGAATTCAGGAGGGTCACTTGTAC-3'

Supplementary Table II**RAPD PCR mix content and RAPD PCR amplification reaction**

PCR buffer	dNTPs-200 μ M
	Taq DNA polymerase-1 unit (U)
	MgCl ₂ -2.0 μ M
Sample	DNA-50 ng
Primer	1.0 μ M
Initial Denaturation	4 min, 94°C
Final Denaturation	15 sec, 94°C (36 cycles)
Annealing	1.5 hours, 94°C