

Supplemental Table 2. Genes upregulated 24 hours after magnetic hyperthermia in Y-79 retinoblastoma cells treated with 1 mg/ml of dextran-coated iron oxide nanoparticles compared to Y-79 retinoblastoma cells exposed to dextran coated iron oxide nanoparticles without magnetic field application

Gene	Description	Fold Change
<i>TNF</i>	Tumor necrosis factor	964.3592
<i>FASLG</i>	Fas ligand (TNF superfamily, member 6)	800.8011
<i>BAG3</i>	BCL2-associated athanogene 3	632.7203
<i>IL10</i>	Interleukin 10	543.3515
<i>CASP14</i>	Caspase 14, apoptosis-related cysteine peptidase	369.8034
<i>PYCARD</i>	PYD and CARD domain containing	157.6189
<i>TNFRSF9</i>	Tumor necrosis factor receptor superfamily, member 9	129.4063
<i>LTA</i>	Lymphotoxin alpha (TNF superfamily, member 1)	117.7604
<i>LTBR</i>	Lymphotoxin beta receptor (TNFR superfamily, member 3)	90.524
<i>BIRC3</i>	Baculoviral IAP repeat containing 3	83.6729
<i>CD40LG</i>	CD40 ligand	76.4886
<i>CFLAR</i>	CASP8 and FADD-like apoptosis regulator	70.8628
<i>BCL2A1</i>	BCL2-related protein A1	60.5563
<i>BCL2L10</i>	BCL2-like 10 (apoptosis facilitator)	53.2101
<i>TNFRSF1A</i>	Tumor necrosis factor receptor superfamily, member 1A	48.284
<i>FAS</i>	Fas (TNF receptor superfamily, member 6)	45.187
<i>CD40</i>	CD40 molecule, TNF receptor superfamily member 5	42.9574
<i>RIPK2</i>	Receptor-interacting serine-threonine kinase 2	37.947
<i>CASP10</i>	Caspase 10, apoptosis-related cysteine peptidase	37.6304
<i>CD70</i>	CD70 molecule	34.8205
<i>TNFSF8</i>	Tumor necrosis factor (ligand) superfamily, member 8	34.6293
<i>CASP4</i>	Caspase 4, apoptosis-related cysteine peptidase	34.1119
<i>CD27</i>	CD27 molecule	33.7515
<i>HRK</i>	Harakiri, BCL2 interacting protein (contains only BH3 domain)	26.8848
<i>TNFRSF10A</i>	Tumor necrosis factor receptor superfamily, member 10a	21.4137
<i>CASP8</i>	Caspase 8, apoptosis-related cysteine peptidase	16.8447
<i>BCL2L11</i>	BCL2-like 11 (apoptosis facilitator)	15.9246
<i>CASP1</i>	Caspase 1, apoptosis-related cysteine peptidase	14.8938
<i>TNFSF10</i>	Tumor necrosis factor (ligand) superfamily, member 10	13.1983
<i>BIRC5</i>	Baculoviral IAP repeat containing 5	11.6475
<i>TNFRSF11B</i>	Tumor necrosis factor receptor superfamily, member 11b	9.5875
<i>TNFRSF25</i>	Tumor necrosis factor receptor superfamily, member 25	9.0375
<i>BAG1</i>	BCL2-associated athanogene	8.314
<i>GADD45A</i>	Growth arrest and DNA-damage-inducible, alpha	6.6848
<i>MCL1</i>	Myeloid cell leukemia sequence 1 (BCL2-related)	6.2819
<i>BRAF</i>	V-raf murine sarcoma viral oncogene homolog B1	6.0789
<i>CASP5</i>	Caspase 5, apoptosis-related cysteine peptidase	5.82
<i>BIK</i>	BCL2-interacting killer (apoptosis-inducing)	5.4483
<i>TRADD</i>	TNFRSF1A-associated via death domain	5.2232
<i>TP53BP2</i>	Tumor protein p53 binding protein, 2	5.1312
<i>TNFRSF1B</i>	Tumor necrosis factor receptor superfamily, member 1B	4.6483
<i>CYCS</i>	Cytochrome c, somatic	4.2441
<i>BIRC6</i>	Baculoviral IAP repeat containing 6	4.0156
<i>BCL10</i>	B-cell CLL/lymphoma 10	3.3422
<i>APAF1</i>	Apoptotic peptidase activating factor 1	3.3052
<i>BCL2</i>	B-cell CLL/lymphoma 2	2.9535

<i>NOL3</i>	Nucleolar protein 3 (apoptosis repressor with CARD domain)	2.8915
<i>CASP9</i>	Caspase 9, apoptosis-related cysteine peptidase	2.833
<i>CIDEA</i>	Cell death-inducing DFFA-like effector a	2.5084
<i>BNIP2</i>	BCL2/adenovirus E1B 19kDa interacting protein 2	2.4759
<i>TNFRSF10B</i>	Tumor necrosis factor receptor superfamily, member 10b	2.3228
<i>TP73</i>	Tumor protein p73	2.2843
<i>CASP2</i>	Caspase 2, apoptosis-related cysteine peptidase	2.2362
<i>TRAF3</i>	TNF receptor-associated factor 3	2.1716
<i>BAD</i>	BCL2-associated agonist of cell death	1.9107
<i>TRAF2</i>	TNF receptor-associated factor 2	1.7993
<i>BNIP3</i>	BCL2/adenovirus E1B 19kDa interacting protein 3	1.7604
<i>CIDEB</i>	Cell death-inducing DFFA-like effector b	1.7065
<i>BNIP3L</i>	BCL2/adenovirus E1B 19kDa interacting protein 3	1.6161
<i>NFKB1</i>	Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	1.6092
<i>NOD1</i>	Nucleotide-binding oligomerization domain containing 1	1.4861
<i>XIAP</i>	X-linked inhibitor of apoptosis	1.4839
<i>DIABLO</i>	Diablo, IAP-binding mitochondrial protein	1.4131
<i>NAIP</i>	NLR family, apoptosis inhibitory protein	1.3926
<i>FADD</i>	Fas (TNFRSF6)-associated via death domain	1.3786
<i>BIRC2</i>	Baculoviral IAP repeat containing 2	1.3668
<i>ABL1</i>	C-abl oncogene 1, non-receptor tyrosine kinase	1.3587
<i>BAK1</i>	BCL2-antagonist/killer 1	1.3039
<i>DFFA</i>	DNA fragmentation factor, 45kDa, alpha polypeptide	1.1488
<i>BCL2L2</i>	BCL2-like 2	1.1406
<i>IGF1R</i>	Insulin-like growth factor 1 receptor	1.0844
<i>AKT1</i>	V-akt murine thymoma viral oncogene homolog 1	1.0669
<i>DAPK1</i>	Death-associated protein kinase 1	1.0255
<i>TNFRSF21</i>	Tumor necrosis factor receptor superfamily, member 21	0.9208
<i>TP53</i>	Tumor protein p53	0.907
<i>BFAR</i>	Bifunctional apoptosis regulator	0.8538
<i>CASP3</i>	Caspase 3, apoptosis-related cysteine peptidase	0.7628
<i>BAX</i>	BCL2-associated X protein	0.7226
<i>CASP7</i>	Caspase 7, apoptosis-related cysteine peptidase	0.5557
<i>CRADD</i>	CASP2 and RIPK1 domain containing adaptor with death domain	0.5418
<i>AIFM1</i>	Apoptosis-inducing factor, mitochondrion-associated, 1	0.5398
<i>BID</i>	BH3 interacting domain death agonist	0.5237
<i>CASP6</i>	Caspase 6, apoptosis-related cysteine peptidase	0.4953
<i>BCL2L1</i>	BCL2-like 1	0.4689