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
TNF	Tumor necrosis factor	964.3592
FASLG	Fas ligand (TNF superfamily, member 6)	800.8011
BAG3	BCL2-associated athanogene 3	632.7203
IL10	Interleukin 10	543.3515
CASP14	Caspase 14, apoptosis-related cysteine peptidase	369.8034
PYCARD	PYD and CARD domain containing	157.6189
TNFRSF9	Tumor necrosis factor receptor superfamily, member 9	129.4063
LTA	Lymphotoxin alpha (TNF superfamily, member 1)	117.7604
LTBR	Lymphotoxin beta receptor (TNFR superfamily, member 3)	90.524
BIRC3	Baculoviral IAP repeat containing 3	83.6729
CD40LG	CD40 ligand	76.4886
CFLAR	CASP8 and FADD-like apoptosis regulator	70.8628
BCL2A1	BCL2-related protein A1	60.5563
BCL2L10	BCL2-like 10 (apoptosis facilitator)	53.2101
TNFRSF1A	Tumor necrosis factor receptor superfamily, member 1A	48.284
FAS	Fas (TNF receptor superfamily, member 6)	45.187
CD40	CD40 molecule, TNF receptor superfamily member 5	42.9574
RIPK2	Receptor-interacting serine-threonine kinase 2	37.947
CASP10	Caspase 10, apoptosis-related cysteine peptidase	37.6304
CD70	CD70 molecule	34.8205
TNFSF8	Tumor necrosis factor (ligand) superfamily, member 8	34.6293
CASP4	Caspase 4, apoptosis-related cysteine peptidase	34.1119
CD27	CD27 molecule	33.7515
HRK	Harakiri, BCL2 interacting protein (contains only BH3 domain)	26.8848
TNFRSF10A	Tumor necrosis factor receptor superfamily, member 10a	21.4137
CASP8	Caspase 8, apoptosis-related cysteine peptidase	16.8447
BCL2L11	BCL2-like 11 (apoptosis facilitator)	15.9246
CASP1	Caspase 1, apoptosis-related cysteine peptidase	14.8938
TNFSF10	Tumor necrosis factor (ligand) superfamily, member 10	13.1983
BIRC5	Baculoviral IAP repeat containing 5	11.6475
TNFRSF11B	Tumor necrosis factor receptor superfamily, member 11b	9.5875
TNFRSF25	Tumor necrosis factor receptor superfamily, member 110	9.0375
BAG1	BCL2-associated athanogene	8.314
GADD45A	Growth arrest and DNA-damage-inducible, alpha	6.6848
MCL1	Myeloid cell leukemia sequence 1 (BCL2-related)	6.2819
BRAF	V-raf murine sarcoma viral oncogene homolog B1	6.0789
		5.82
CASP5	Caspase 5, apoptosis-related cysteine peptidase	
BIK	BCL2-interacting killer (apoptosis-inducing)	5.4483
TRADD	TNFRSF1A-associated via death domain	5.2232
TP53BP2	Tumor protein p53 binding protein, 2	5.1312
TNFRSF1B	Tumor necrosis factor receptor superfamily, member 1B	4.6483
CYCS	Cytochrome c, somatic	4.2441
BIRC6	Baculoviral IAP repeat containing 6	4.0156
BCL10	B-cell CLL/lymphoma 10	3.3422
APAF1	Apoptotic peptidase activating factor 1	3.3052
BCL2	B-cell CLL/lymphoma 2	2.9535

CASP9Caspase 9, apoptosis-related cysteine peptidase2.833CIDEACell death-inducing DFR-like effector a2.5084BNIP2BCL2/adenovirus E1B 19kDa Interacting protein 22.4759TNRRSF10BTumor necrosis factor receptor superfamily, member 10b2.3228TP73Tumor protein p732.2843CASP2Caspase 2, apoptosis-related cysteine peptidase2.2362TRAF3TNF receptor-associated factor 32.1716BADBCL2-associated agonist of cell death1.9107TRAF2TNF receptor-associated factor 21.7993BNIP3BCL2/adenovirus E1B 19kDa Interacting protein 31.7604CIDEBCell death-inducing DFFA-like effector b1.7065BNIP3LBCL2/adenovirus E1B 19kDa Interacting protein 31.6161NFK81Nuclear factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nucleotide-binding oligomerization domain containing 11.4861XIAPX-linked inhibitor of apoptosis1.4861XIAPNuR family, apoptosis inhibitory protein1.3326FADDFas (TNRSFG)asociated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-atsociated rotein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL212BCL2-like 21.4066DAFK1 <th>NOL3</th> <th>Nucleolar protein 3 (apoptosis repressor with CARD domain</th> <th>2.8915</th>	NOL3	Nucleolar protein 3 (apoptosis repressor with CARD domain	2.8915
CIDEACell death-inducing DFFA-like effector a2.5084BNIP2BCL2/adenovirus E1B 19kDa interacting protein 22.4759TNFRSF10BTumor necrosis factor receptor superfamily, member 10b2.3228TP73Tumor protein p732.2843CASP2Caspase 2, apoptosis-related cysteline peptidase2.2362TRAF3TNF receptor-associated factor 32.1716BADBCL2-associated agonist of cell death1.9107TRAF2TNF receptor-associated factor 21.7993BNIP3BCL2/adenovirus E1B 19kDa interacting protein 31.6161CIDEBCell death-inducing DFFA-like effector b1.7065BNIP3LBCL2/adenovirus E1B 19kDa interacting protein 31.6161NKR81Nuclear factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nucleotide-binding oligomerization domain containing 11.4861XIAPX-linked inhibitor of apoptosis1.4839DIABLODiablo, IAP-binding mitochondrial protein1.3326FADDFas (TNFRSFG)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668BK11C-abl oncogene 1, non-receptor tyrosine kinase1.3687BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 4SkDa, alpha polypeptide1.1488BCL21BCL2-integrot superfamily, member 210.9208TFFAInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1	CASP9		2.833
BNIP2BCL2/adenovirus E1B 19kDa interacting protein 22.4759TNRFSF10BTumor necrosis factor receptor superfamily, member 10b2.3228TP73Tumor protein p732.2843CASP2Caspase 2, apoptosis-related cysteine peptidase2.262TRAF3TNF receptor-associated factor 32.1716BADBCL2-associated agonist of cell death1.9107TRAF2TNF receptor-associated factor 21.7993BNIP3BCL2/adenovirus E1B 19kDa interacting protein 31.7604CIDEBCell death-inducing DFFA-like effector b1.7065BNIP3LBCL2/adenovirus E1B 19kDa interacting protein 31.6161NFK81Nuclear factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nucleotide-binding oligomerization domain containing 11.4861XIAPX-linked inhibitor of apoptosis1.4839DIABLODiablo, IAP-binding mitochondrial protein1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2/a matgonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL2/2BCL2/like 21.1006IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0255DFFADNA fragmentation factor receptor superfamily, member 210.9208TFFS3Tumor necrosis factor receptor superfamily, member 210.9208T	CIDEA		2.5084
TNFRSF10BTumor necrosis factor receptor superfamily, member 10b2.3228TP73Tumor protein p732.2843CASP2Caspase 2, apoptosis-related cysteine peptidase2.2362TRAF3TNF receptor-associated factor 32.1716BADBCL2-associated agonist of cell death1.9107TRAF2TNF receptor-associated factor 21.7993BNIP3BCL2/adenovirus E1B 19kDa interacting protein 31.7604CIDEBCell death-inducing DFFA-like effector b1.7065BNIP31BCL2/adenovirus E1B 19kDa interacting protein 31.6161NFK81Nuclear factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nuclear factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nucleotide-binding oligomerization domain containing 11.4861XIAPX-linked inhibit or of apoptosis1.4839DIABLODiablo, IAP-binding mitochondrial protein1.3926FADDFas (TNFRSFG)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2/at BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thyroma viral oncogene homolog 11.0255DAPK1Death-associated protein kinase 11.0255DAPK1Death-associated protein kinase 11.0255DAPK3Caspase 3, apoptosis-related cysteine peptidase0.7628B	BNIP2	-	2.4759
TP73Tumor protein p732.2843CASP2Caspase 2, apoptosis-related cysteine peptidase2.2362TRAF3TNF receptor-associated factor 32.1716BADBCL2-associated agonist of cell death1.9107TRAF2TNF receptor-associated factor 21.7993BNIP3BCL2/adenovirus E1B 19kDa interacting protein 31.7604CIDEBCell death-inducing DFFA-like effector b1.7065BNIP31BCL2/adenovirus E1B 19kDa interacting protein 31.6161NrK81Nuclear factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nucleotide-binding oligomerization domain containing 11.4861XIAPX-linked inhibitor of apoptosis1.4839DIABLODiablo, IAP-binding mitochondrial protein1.3326FADDFas (TNFRSF6)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3877BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 4SkDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TPS3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXGL2-associated protein kina	TNFRSF10B		2.3228
CASP2Caspase 2, apoptosis-related cysteine peptidase2.2362TRAF3TNF receptor-associated factor 32.1716BADBCL2-associated agonist of cell death1.9107TRAF2TNF receptor-associated factor 21.7993BNIP3BCL2/adenovirus E1B 19kDa interacting protein 31.7604CIDEBCell death-inducing DFFA-like effector b1.7605BNIP31BCL2/adenovirus E1B 19kDa interacting protein 31.6161NFKB1Nuclear factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nuclearif factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nuclearif factor of kappa light polypeptide gene enhancer in B-cells 11.4861XIAPX-linked inhibitor of apoptosis1.4839DIABLODiablo, IAP-binding mitochondrial protein1.4131NAIPNLR family, apoptosis inhibitory protein1.3926FADDFas (TNFRSF6)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.00669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor necrosis factor receptor superfamily, member 210.9208BFARBifunctinal apoptosis regulator <td< td=""><td>TP73</td><td></td><td>2.2843</td></td<>	TP73		2.2843
BADBCL2-associated agonist of cell death1.9107TRAF2TNF receptor-associated factor 21.7993BNIP3BCL2/adenovirus E1B 19kDa interacting protein 31.7604CIDEBCell death-inducing DFFA-like effector b1.7065BNIP3LBCL2/adenovirus E1B 19kDa interacting protein 31.6161NFKB1Nuclear factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nucleat factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nucleating on gingomerization domain containing 11.4861XIAPX-linked inhibitor of apoptosis1.4839DIABLODiablo, IAP-binding mitochondrial protein1.3926FADDFas (TNFRSF6)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP3Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain	CASP2	· · · · · · · · · · · · · · · · · · ·	2.2362
TRAF2TNF receptor-associated factor 21.7993BNIP3BCL2/adenovirus E1B 19kDa interacting protein 31.7604CIDEBCell death-inducing DFFA-like effector b1.7065BNIP3LBCL2/adenovirus E1B 19kDa interacting protein 31.6161NFKB1Nuclear factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nucleotide-binding oligomerization domain containing 11.4861XIAPX-linked inhibitor of apoptosis1.4839DIABLODiablo, IAP-binding mitochondrial protein1.4131NAIPNLR family, apoptosis inhibitory protein1.3926FADDFas (TNFRSF6)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAFK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor necrosis factor receptor superfamily, member 210.9208BAXBCL2-associated X protein0.7226CASP3Caspase 3, apoptosis-related cysteine peptidase0.7528BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557	TRAF3	TNF receptor-associated factor 3	2.1716
BNIP3BCL2/adenovirus E1B 19kDa interacting protein 31.7604CIDEBCell death-inducing DFFA-like effector b1.7065BNIP31BCL2/adenovirus E1B 19kDa interacting protein 31.6161NFKB1Nuclear factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nucleotide-binding oligomerization domain containing 11.4861XIAPX-linked inhibitor of apoptosis1.4839DIABLODiablo, IAP-binding mitochondrial protein1.4131NAIPNLR family, apoptosis inhibitory protein1.3926FADDFas (TNFRSF6)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TPF53Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AlFM1Apoptosis-inducing factor, mitochondrion-associated, 10.	BAD	BCL2-associated agonist of cell death	1.9107
CIDEBCell death-inducing DFFA-like effector b1.7065BNIP3LBCL2/adenovirus E1B 19kDa interacting protein 31.6161NFKB1Nuclear factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nucleotide-binding oligomerization domain containing 11.4861XIAPX-linked inhibitor of apoptosis1.4839DIABLODiablo, IAP-binding mitochondrial protein1.4131NAIPNLR family, apoptosis inhibitory protein1.3926FADDFas (TNFRSF6)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45KDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor necrosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5398BI	TRAF2		1.7993
BNIP3LBCL2/adenovirus E1B 19kDa interacting protein 31.6161NFKB1Nuclear factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nucleotide-binding oligomerization domain containing 11.4861XIAPX-linked inhibitor of apoptosis1.4839DIABLODiablo, IAP-binding mitochondrial protein1.4131NAIPNLR family, apoptosis inhibitory protein1.3926FADDFas (TNFRSF6)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AlFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5398BIDBH3 int	BNIP3	BCL2/adenovirus E1B 19kDa interacting protein 3	1.7604
NFKB1Nuclear factor of kappa light polypeptide gene enhancer in B-cells 11.6092NOD1Nucleotide-binding oligomerization domain containing 11.4861XIAPX-linked inhibitor of apoptosis1.4839DIABLODiablo, IAP-binding mitochondrial protein1.4131NAIPNLR family, apoptosis inhibitory protein1.3926FADDFas (TNFRSF6)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.7628BAXApoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	CIDEB	Cell death-inducing DFFA-like effector b	1.7065
NOD1Nucleotide-binding oligomerization domain containing 11.4861XIAPX-linked inhibitor of apoptosis1.4839DIABLODiablo, IAP-binding mitochondrial protein1.4131NAIPNLR family, apoptosis inhibitory protein1.3926FADDFas (TNFRSF6)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5398BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	BNIP3L	BCL2/adenovirus E1B 19kDa interacting protein 3	1.6161
XIAPX-linked inhibitor of apoptosis1.4839DIABLODiablo, IAP-binding mitochondrial protein1.4131NAIPNLR family, apoptosis inhibitory protein1.3926FADDFas (TNFRSF6)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.5237	NFKB1	Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	1.6092
DIABLODiablo, IAP-binding mitochondrial protein1.4131NAIPNLR family, apoptosis inhibitory protein1.3926FADDFas (TNFRSF6)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL212BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5398BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	NOD1	Nucleotide-binding oligomerization domain containing 1	1.4861
NAIPNLR family, apoptosis inhibitory protein1.3926FADDFas (TNFRSF6)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	XIAP	X-linked inhibitor of apoptosis	1.4839
FADDFas (TNFRSF6)-associated via death domain1.3786BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	DIABLO	Diablo, IAP-binding mitochondrial protein	1.4131
BIRC2Baculoviral IAP repeat containing 21.3668ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	NAIP	NLR family, apoptosis inhibitory protein	1.3926
ABL1C-abl oncogene 1, non-receptor tyrosine kinase1.3587BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	FADD	Fas (TNFRSF6)-associated via death domain	1.3786
BAK1BCL2-antagonist/killer 11.3039DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5237BKDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	BIRC2	Baculoviral IAP repeat containing 2	1.3668
DFFADNA fragmentation factor, 45kDa, alpha polypeptide1.1488BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5237BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	ABL1	C-abl oncogene 1, non-receptor tyrosine kinase	1.3587
BCL2L2BCL2-like 21.1406IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5237BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	BAK1	BCL2-antagonist/killer 1	1.3039
IGF1RInsulin-like growth factor 1 receptor1.0844AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5398BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide	1.1488
AKT1V-akt murine thymoma viral oncogene homolog 11.0669DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5237BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	BCL2L2	BCL2-like 2	1.1406
DAPK1Death-associated protein kinase 11.0255TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5237BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	IGF1R	Insulin-like growth factor 1 receptor	1.0844
TNFRSF21Tumor necrosis factor receptor superfamily, member 210.9208TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5237BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	AKT1	V-akt murine thymoma viral oncogene homolog 1	1.0669
TP53Tumor protein p530.907BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5398BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	DAPK1	Death-associated protein kinase 1	1.0255
BFARBifunctional apoptosis regulator0.8538CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5398BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	TNFRSF21	Tumor necrosis factor receptor superfamily, member 21	0.9208
CASP3Caspase 3, apoptosis-related cysteine peptidase0.7628BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5398BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	TP53	Tumor protein p53	0.907
BAXBCL2-associated X protein0.7226CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5398BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	BFAR	Bifunctional apoptosis regulator	0.8538
CASP7Caspase 7, apoptosis-related cysteine peptidase0.5557CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5398BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	CASP3	Caspase 3, apoptosis-related cysteine peptidase	0.7628
CRADDCASP2 and RIPK1 domain containing adaptor with death domain0.5418AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5398BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	BAX	BCL2-associated X protein	0.7226
AIFM1Apoptosis-inducing factor, mitochondrion-associated, 10.5398BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	CASP7	Caspase 7, apoptosis-related cysteine peptidase	0.5557
BIDBH3 interacting domain death agonist0.5237CASP6Caspase 6, apoptosis-related cysteine peptidase0.4953	CRADD	CASP2 and RIPK1 domain containing adaptor with death domain	0.5418
CASP6 Caspase 6, apoptosis-related cysteine peptidase 0.4953	AIFM1	Apoptosis-inducing factor, mitochondrion-associated, 1	0.5398
	BID	BH3 interacting domain death agonist	0.5237
BCL2L1 BCL2-like 1 0.4689		Caspase 6, apoptosis-related cysteine peptidase	0.4953
	BCL2L1	BCL2-like 1	0.4689