Supplementary Data 3
The sequences of the oligonucleotide primers used for real-time PCR are as follows:

Gene	*Abbreviation*	*Primer*	*Primer Sequence (5'-3')*	*Size*
v-akt murine thymoma viral oncogene homolog 1	AKT1	For:	GCACAAACGAGGGGAGTACAT	113 bp
		Rev:	CCTCACGTTGGTCCACATC	
Catenin (cadherin-associated protein), alpha-like 1	α-catenin	For:	CCATGCAGGCAACATAAACTTC	105 bp
		Rev:	AGGGTTGTAACCTGTGTAACAAG	
Ataxia telangiectasia mutated	ATM	For:	TGGATCCAGCTATTTGGTTTGA	82 bp
		Rev:	CCAAGTATGTAACCAACAATAGA AGAAGTAG	
BCL2-antagonist of cell death	BAD	For:	CCCAGAGTTTGAGCCGAGTG	249 bp
		Rev:	CCCATCCCTTCGTCGTCCT	
BCL2-antagonist/killer 1	BAK1	For:	GAACAGGAGGCTGAAGGGGT	307 bp
		Rev:	TCAGGCCATGCTGGTAGACG	
BCL2-associated X protein	BAX	For:	GGGTGGTTGGGTGAGACTC	199 bp
		Rev:	AGACACGTAAGGAAAACGCATTA	
B-cell CLL/lymphoma 2	BCL2	For:	TCCGCATCAGGAAGGCTAGA	113 bp
		Rev:	AGGACCAGGCCTCCAAGCT	
BCL2-like 1	BCL2L1	For:	ATGGCAGCAGTAAAGCAAGC	149 bp
		Rev:	CGGAAGAGTTCATTCACTACCTGT	
BCL2-associated transcription factor 1	BCLAF1	For:	TGGGACAAATACTGGTCCAAAC	62 bp
		Rev:	CCTCTTCCTTCGGTCTCTTTTGA	
Beta-actin	β-actin	For:	TTCCTGGGCATGGAGTC	84 bp
		Rev:	CAGGTCTTTGCGGATGTC	
Catenin (cadherin-associated protein), beta 1, 88kDa	β-catenin	For:	CCTATGCAGGGGTGGTCAAC	95 bp
		Rev:	CGACCTGGAAAACGCCATCA	
Breast cancer 1, early onset	BRCA1	For:	CATGCTGAAACTTCTCAACCAGAA	81 bp
		Rev:	TGTAGGCTCCTTTTGGTTATATCA TTC	
Caspase 7, apoptosis-related cysteine peptidase	CASP7	For:	AGTGACAGGTATGGGCGTTCG	274 bp
		Rev:	GCATCTATCCCCCCTAAAGTGG	
Cyclin D1	CCND1	For:	ACGAAGGTCTGCGCGTGTT	323 bp
		Rev:	CCGCTGGCCATGAACTACCT	
Cell division cycle 25A	CDC25A	For:	TAAGACCTGTATCTCGTGGCTG	131 bp
		Rev:	CCCTGGTTCACTGCTATCTCT	
Cyclin-dependent kinase 2	CDK2	For:	GCTAGCAGACTTTGGACTAGCCAG	85 bp
		Rev:	AGCTCGGTACCACAGGGTCA	

Cyclin-dependent kinase 4	*CDK4*	*For:*	*CTGGTGTTTGAGCATGTAGACC*	102 bp
		Rev:	AAACTGGCGCATCAGATCCTT	
Cyclin-dependent kinase inhibitor 1A (p21, Cip1)	CDKN1A	For:	CCTCATCCCGTGTTCTCCTTT	97 bp
		Rev:	GTACCACCCAGCGGACAAGT	
Cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)	CDKN2A	For:	CAACGCACCGAATAGTTACGG	96 bp
		Rev:	AACTTCGTCCTCCAGAGTCGC	
CASP8 and FADD-like apoptosis regulator	CFLAR	For:	GTGGAGACCCACCTGCTCA	96 bp
		Rev:	GGACACATCAGATTTATCCAAATCC	
CHK2 checkpoint homolog	CHEK2	For:	AGTGGTGGGGAATAAACGCC	117 bp
		Rev:	TCTGGCTTTAAGTCACGGTGTA	
Cyclin E1	CCNE1	For:	ATCAGCACTTTCTTGAGCAACA	122 bp
		Rev:	TTGTGCCAAGTAAAAGGTCTCC	
E2F transcription factor 1	E2F1	For:	AGATGGTTATGGTGATCAAAGCC	72 bp
		Rev:	ATCTGAAAGTTCTCCGAAGAGTCC	
v-erb-b2 erythroblastic leukemia viral oncogene homolog 2	ERBB2	For:	ACTGGCCCTCATCCACCATA	104 bp
		Rev:	GGTTGGCAGTGTGGAGCAG	
v-ets erythroblastosis virus E26 oncogene homolog 2	ETS2	For:	CCCCTGTGGCTAACAGTTACA	222 bp
		Rev:	AGGTAGCTTTTAAGGCTTGACTC	
Fibronectin	FN1	For:	CCCATCAGCAGGAACACCTT	84 bp
		Rev:	GGCTCACTGCAAAGACTTTGAA	
v-fos FBJ murine osteosarcoma viral oncogene homolog	FOS	For:	TGCCTCTCCTCAATGACCCTGA	162 bp
		Rev:	ATAGGTCCATGTCTGGCACGGA	
Glyceraldehyde-3-phosphate dehydrogenase	GAPDH	For:	TGCACCACCAACTGCTTAGC	87 bp
		Rev:	GGCATGGACTGTGGTCATGAG	
Human growth hormone	hGH1	For:	CAGGGAGGAAACACAACAGAAA	155 bp
		Rev:	TTAGGAGGTCATAGACGTTGCT	
Human growth hormone receptor	hGHR	For:	GCTAACTAGCAATGGTGGTACAG	103 bp
		Rev:	GACGTTCAGTAAAGTCCAGTTGA	
Granzyme A	GZMA	For:	ATCCTCTCTCTCAGTTGTCGTT	116 bp
		Rev:	GACTAAGTAGGACCATGTAGGGT	
homeo box A1	HOX-A1	For:	CGTGAGAAGGAGGGTCTCTTG	147 bp
		Rev:	GTGGGAGGTAGTCAGAGTGTC	
Hypoxanthine phosphoribosyltransferase	HPRT	For:	TGACACTGGCAAAACAATGCA	94 bp
		Rev:	GGTCCTTTTCACCAGCAAGCT	
HIV-1 Tat interactive protein 2, 30kDa	HTATIP2	For:	CGGAGGGATTTGTTCGTGTTG	104 bp
		Rev:	AGCTCCTTTAGAGGATAGCAAGT	

v-jun sarcoma virus 17 oncogene homolog	*JUN*	*For:*	*CTCCAAGTGCCGAAAAAGGAAG*	118 bp
		Rev:	CACCTGTTCCCTGAGCATGTTG	
Mitogen-activated protein kinase kinase 1	MAP2K1	For:	CAATGGCGGTGTGGTGTTC	114 bp
		Rev:	AGCTCCCTTATGATCTGGTTCC	
MET proto-oncogene (hepatocyte growth factor receptor)	MET	For:	TGGTGCAGAGGAGCAATGG	111 bp
		Rev:	CATTCTGGATGGGTGTTTCCG	
Matrix metallopeptidase 1	MMP1	For:	AGCTAGCTCAGGATGACATTGATG	74 bp
		Rev:	GCCGATGGGCTGGACAG	
Matrix metallopeptidase 2	MMP2	For:	CAAAAACAAGAAGACATACATCTT	232 bp
		Rev:	GCTTCCAAACTTCACGCTC	
Matrix metallopeptidase 9	MMP9	For:	TGGGGGGCAACTCGGC	224 bp
		Rev:	GGAATGATCTAAGCCCAG	
Metastasis associated 1	MTA1	For:	GCTGTTACACCACACAGTCTT	166 bp
		Rev:	GGACTCATGTTACTGCGGTTT	
Metastasis associated 2	MTA2	For:	CCGACGGCCTTATGCTCCT	145 bp
		Rev:	CTGGGCCACCAGATCTTTGAC	
v-myc myelocytomatosis viral oncogene homolog (avian)	MYC	For:	TGCTGCCAAGAGGGTCAAGT	118 bp
		Rev:	GTGTGTTCGCCTCTTGACATTC	
Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 (p105)	NFKB1	For:	TGCCAACAGATGGCCCATAC	123 bp
		Rev:	TGTTCTTTTCACTAGAGGCACCA	
Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	NFKBIA	For:	CTCCGAGACTTTCGAGGAAATAC	135 bp
		Rev:	GCCATTGTAGTTGGTAGCCTTCA	
Non-metastatic cells 1, protein (NM23A)	NME1	For:	CTGCAGCCGGAGTTCAAAC	68 bp
		Rev:	GCAATGAAGGTACGCTCACAGT	
Phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha)	PIK3R1	For:	GATTCTCAGCAGCCAGCTCTGAT	91 bp
		Rev:	GCAGGCTGTCGTTCATTCCAT	
Plasminogen activator, urokinase	PLAU	For:	CACGCAAGGGGAGATGAA	341 bp
		Rev:	ACAGCATTTTGGTGGTGACTT	
Plasminogen activator, urokinase receptor	PLAUR	For:	AATGGCCGCCAGTGTTACAG	227 bp
		Rev:	CAGGAGACATCAATGTGGTTC	
v-raf-1 murine leukemia viral oncogene homolog 1	RAF1	For:	TTTCCTGGATCATGTTCCCCT	153 bp
		Rev:	ACTTTGGTGCTACAGTGCTCA	
Retinoblastoma 1	RB1	For:	GAACATCGAATCATGGAATCCCT	116 bp
		Rev:	AGAGGACAAGCAGATTCAAGGTGAT	

S100 calcium binding protein A4	*S100A4*	*For:*	*GATGAGCAACTTGGACAGCAA*	123 bp
		Rev:	CTGGGCTGCTTATCTGGGAAG	
Serpin peptidase inhibitor, clade B (ovalbumin), member 5	SERPINB5	For:	CTACTTTGTTGGCAAGTGGATGAA	90 bp
		Rev:	ACTGGTTTGGTGTCTGTCTTGTTG	
Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1)	SERPINE1	For:	CACAAATCAGACGGCAGCACT	85 bp
		Rev:	CATCGGGCGTGGTGAACTC	
Synuclein, gamma (breast cancer-specific protein 1)	SNCG	For:	TGAGCAGCGTCAACACTGTG	64 bp
		Rev:	GAGGTGACCGCGATGTTCTC	
Telomerase Rev transcriptase	TERT	For:	GGAGCAAGTTGCAAAGCATTG	182 bp
		Rev:	TCCCACGACGTAGTCCATGTT	
Tumor necrosis factor receptor superfamily, member 10b	TNFRSF10B	For:	AAGACCCTTGTGCTCGTTGT	144 bp
		Rev:	AGGTGGACACAATCCCTCTG	
Tumor necrosis factor receptor superfamily, member 1A	TNFRSF1A	For:	TGCCTACCCCAGATTGAGAA	169 bp
		Rev:	ATTTCCCACAAACAATGGAGTAG	
Tumor necrosis factor receptor superfamily, member 25	TNFRSF25	For:	ACTGCCAACCATGCCTAGACTG	155 bp
		Rev:	GAGCCTCCATCCCAGCTTC	
Tumor protein p53 (Li-Fraumeni syndrome)	TP53	For:	TGCAGCTGTGGGTTGATTCC	396 bp
		Rev:	AAACACGCACCTCAAAGCTGTTC	