

Supplemental Table 1. Primers used in RT-PCR analysis

Gene	Forward Primer (5' – 3')	Reverse Primer (5' – 3')	Product (bp)	Ta (°C)
TRAIL	GTGTACTTTACCAACGAG	TTGCTCAGGAATGAATGC	391	50
ABL-1	TTCAGCGGCCAGTAGCATCTGACTT	TGTGATTATAGCCTAAGACCCGGAGCTTTT	201	60
TRAIL-R4	AGCTGTGGTTGTGGTTGG	GGGTCAAGTACGGACTG	583	50
TGF-β1	GCCCTGGACACCAACTATTGC	AGGCTCCAAATGTAGGGGCAG	164	60
Fas	CACTATTGCTGGAGTCAT	CTGAGTCACTAGTAATGTCC	246	50
Caspase-7	CAAAGCCACTGACTGAGATG	CAACCCAATGAATAAATGAT	258	50
TRAIL-R2	ACAGTGTGTCAGTGCGAAGA	GCTGGAGGTCACCGTC	201	53
PDCD4	CCTTGCTGAGTTATTAGGCTATGTA	AAGCAGTATTGATTCTTTATGGGA	448	53
API5L	CGTGTCCAGACTACCCGTTTCCT	TTTATATCAGACAACCTTCGCTTAG	485	50
CSE1	GCTCCAGTATCTCCAAGGGTA	TCTCCACAGTGTCGGTCAA	364	53
BNIP2	TGCATCTTCTTCGGTGAA	TAACCATCTGTTGCCTTATGA	237	53
HDAC1	TTCAAGCCGGTCATGTCCAAAG	TTTGATCTTCTCCAGGTACTC	366	55

(Ta= Annealing temperature)

Supplemental Table 2. VD-regulated genes reported by different researchers using microarray analysis in different cancer cell lines.

	Krishnan (LNCaP)	Wood (Caco-2)	Palmer (SW480)	Palmer (LS-174T)	Swami (MCF7)	Swami (MDA)	Akutsu (SCC)	Lin (SCC)	Zhang (OVCAR3)
Krishnan (21) (LNCaP, Prostate)	22								
Wood (23) (Caco-2, Colon)	0	12							
Palmer (24) (SW480, Colon)	1	3	198						
Palmer (24) (LS-174T, Colon)	0	0	5	17					
Swami (22) (MCF7, Breast)	0	1	4	1	69				
Swami (22) (MDA, Breast)	0	1	2	1	9	30			
Akutsu (26) (SCC, Squamous)	0	0	0	0	2	0	32		
Lin (25) (SCC, Squamous)	0	3	14	3	2	2	2	152	
Zhang * (OVCAR3, Ovarian)	0	3	5	1	1	2	0	7	96

(Authors, references, cell lines used and cancer types are indicated in the first column and row. Numbers show overlapped gene numbers when compared two different researches. *: This study.)