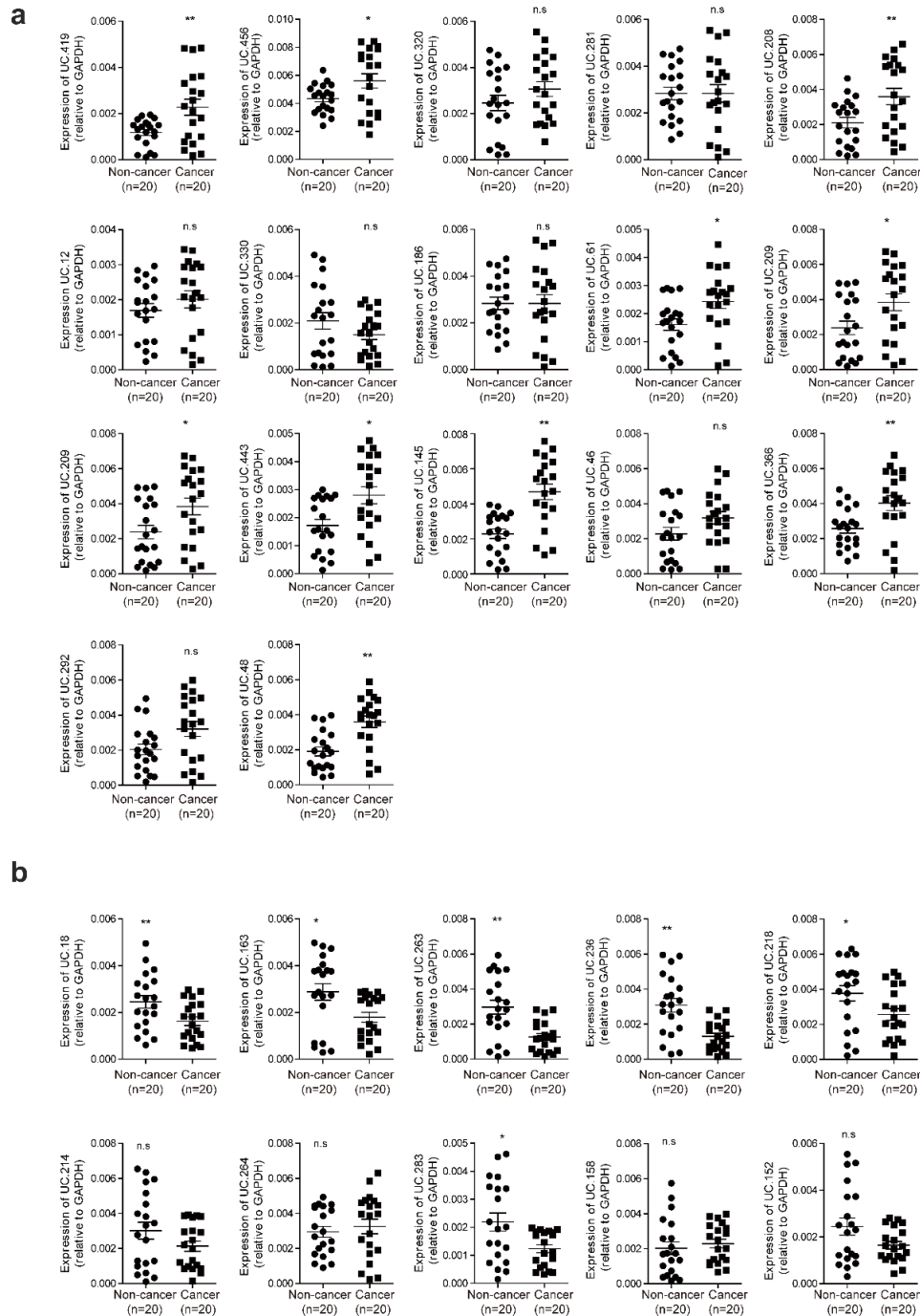
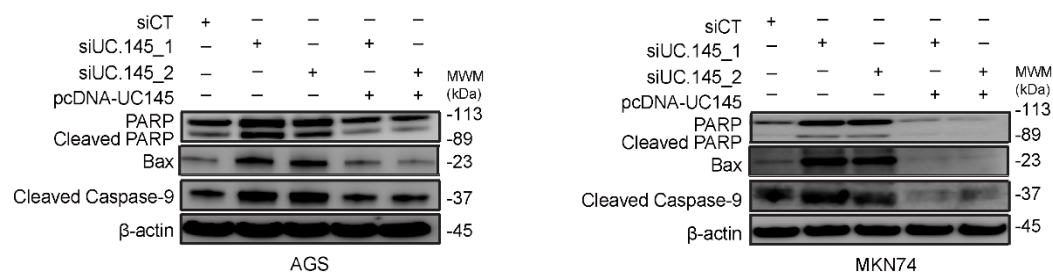


# Supplementary Information

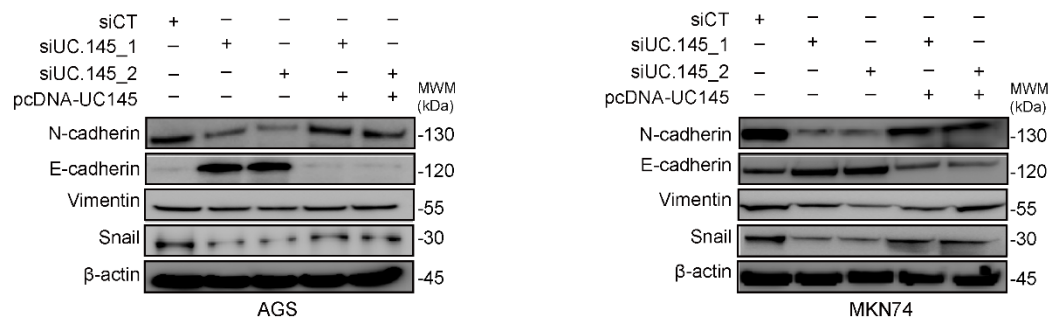
## Supplementary Figures and Legends



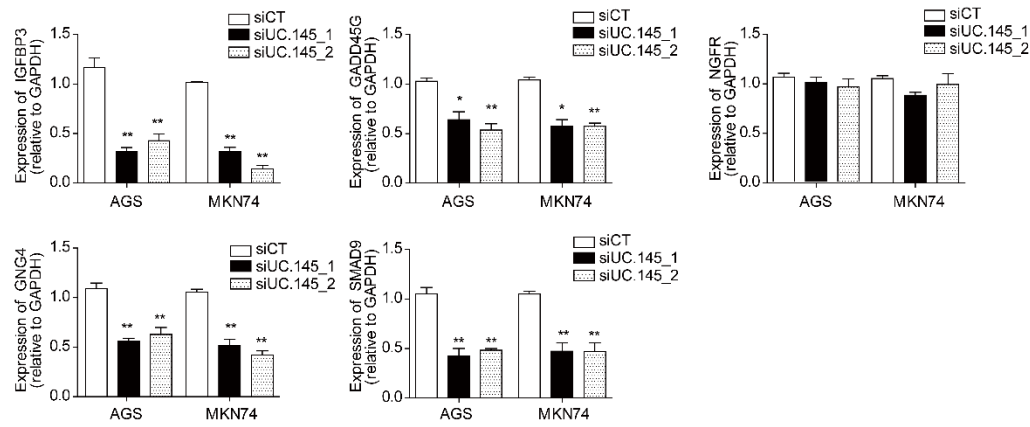
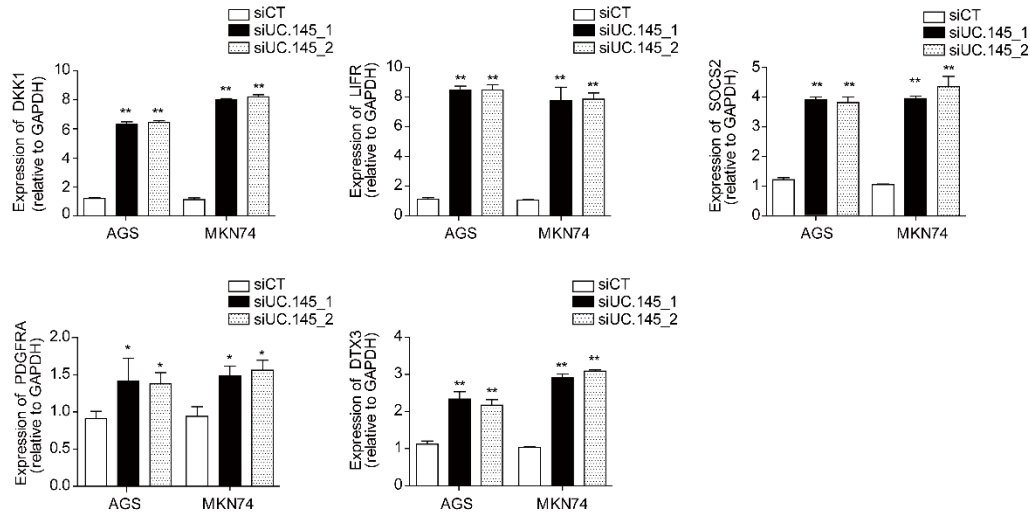
**Figure S1.** T-UCR validation. **(a)** Using microarray analysis results, 17 T-UCRs with increased mRNA expression were identified in 20 samples obtained from patients with gastric cancer (GC), measured using qRT-PCR. **(b)** Relative mRNA expression of ten T-UCRs with reduced expression in GC tissue measured using qRT-PCR. FC > 2.0,  $p < 0.05$ . Data are shown as mean  $\pm$  SD of three independent experiments (\*  $p \leq 0.05$ ; \*\*  $p \leq 0.01$ ).



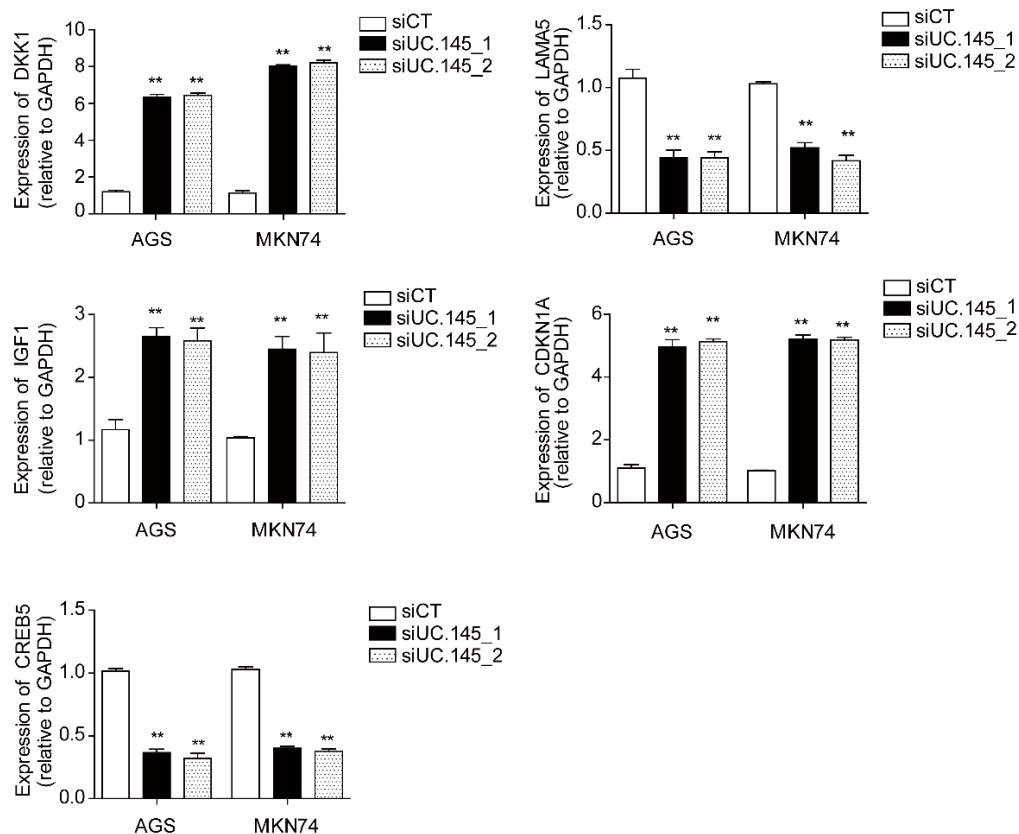
**Figure S2.** Effect of UC.145 on apoptosis. Western blot analysis of apoptosis marker protein levels in AGS (**left** panel) and MKN74 (**right** panel) cells transfected with siControl (siCT), siUC.145s, or pcDNA-UC.145.



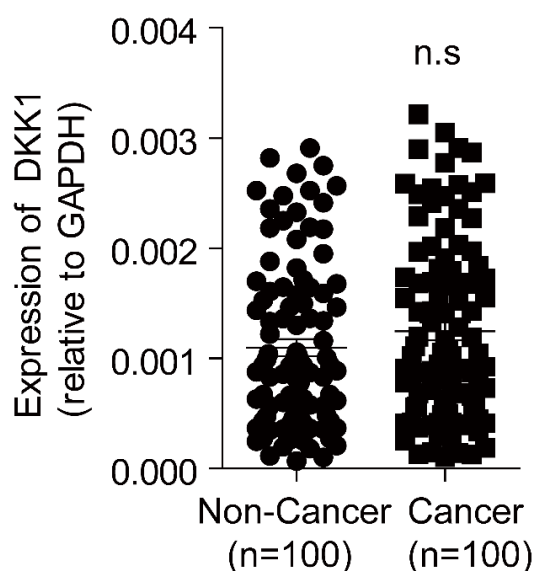
**Figure S3.** Effect of UC.145 on the EMT process of gastric cancer cells. Western blot analysis of EMT marker protein levels in AGS (**left** panel) and MKN74 (**right** panel) cells transfected with siControl (siCT), siUC.145s, or pcDNA-UC.145.

**a****b**

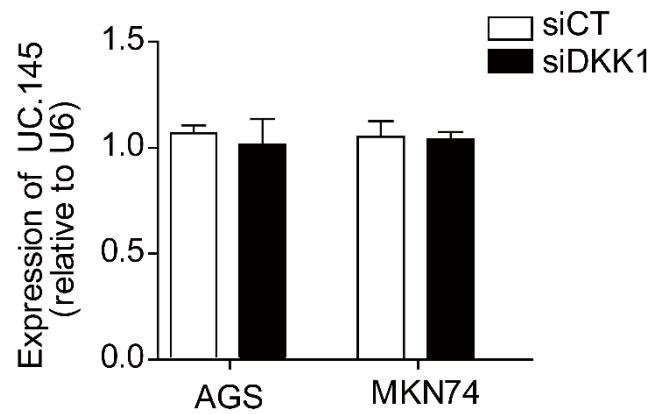
**Figure S4.** Differentially expressed genes in gastric cancer cells. Relative mRNA expression of (a) five downregulated genes and (b) five upregulated genes in AGS and MKN74 cells determined by Nanostring pathway analysis of putative target genes of UC.145, measured using qRT-PCR. Data are shown as mean  $\pm$  SD of three independent experiments (\*  $p \leq 0.05$ ; \*\*  $p \leq 0.01$ ).



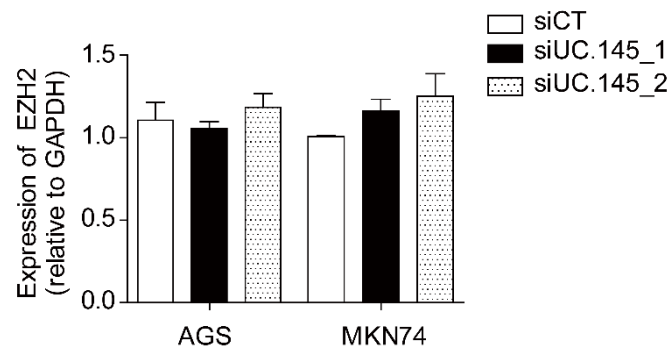
**Figure S5.** UC.145 target gene identification. Relative mRNA expression of five target genes of UC.145 in AGS and MKN74 cells based on Venn diagram-based analysis of a GEO dataset, measured using qRT-PCR. Data are shown as mean  $\pm$  SD of three independent experiments (\*  $p \leq 0.05$ ; \*\*  $p \leq 0.01$ ).



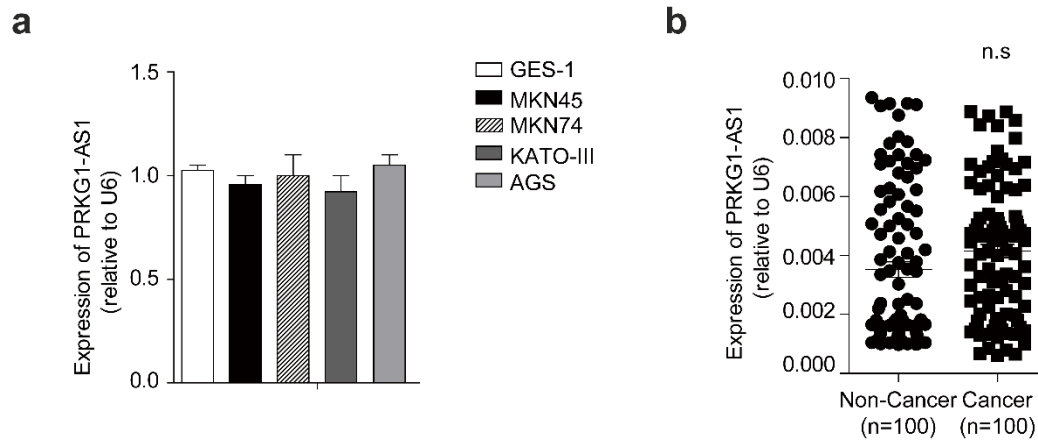
**Figure S6.** Confirmation of *DKK1* expression in gastric cancer (GC). Relative mRNA expression of *DKK1* in 100 pairs of tissue samples obtained from patients with GC, measured using qRT-PCR. n.s., not significant.



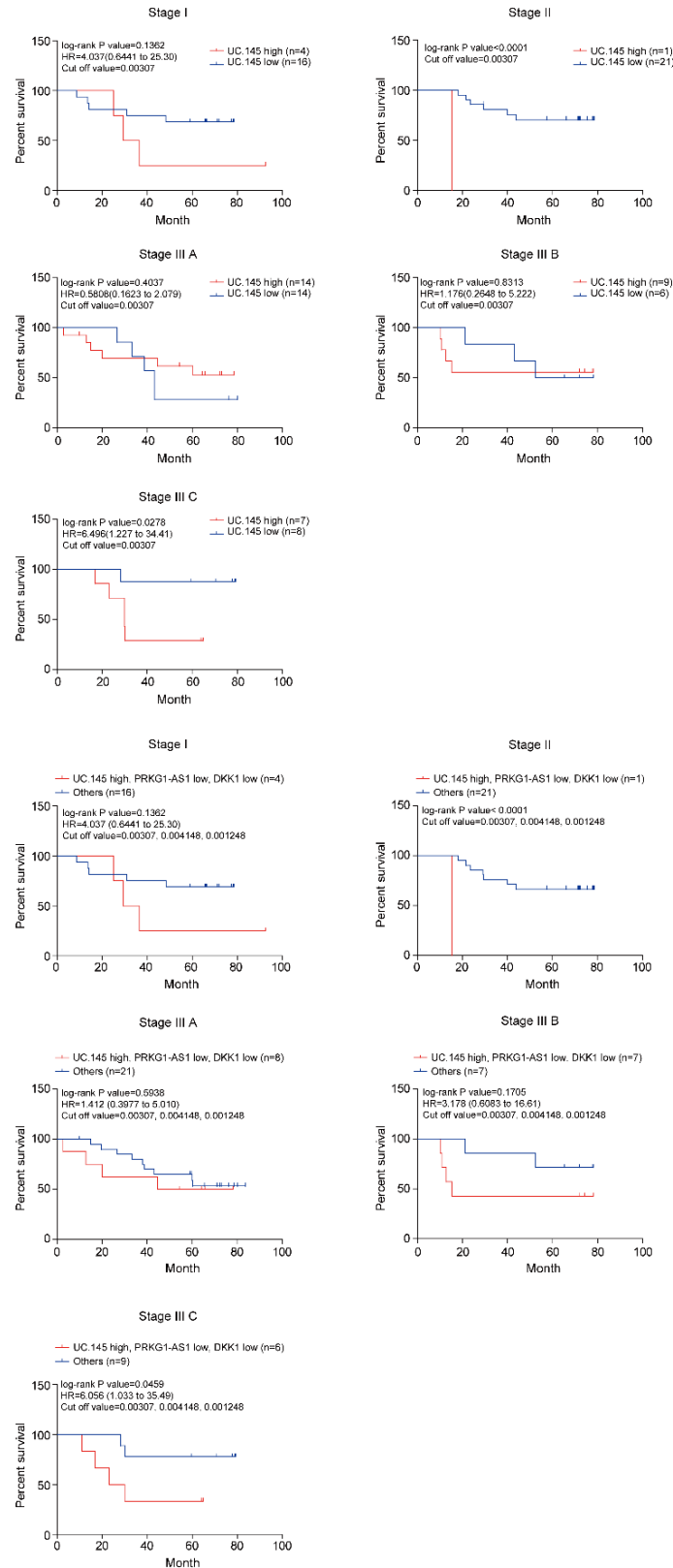
**Figure S7.** *DKK1* silencing affects UC.145 expression in gastric cancer cells. Relative mRNA expression of UC.145 in AGS and MKN74 cells transfected with siDKK1, measured using qRT-PCR.



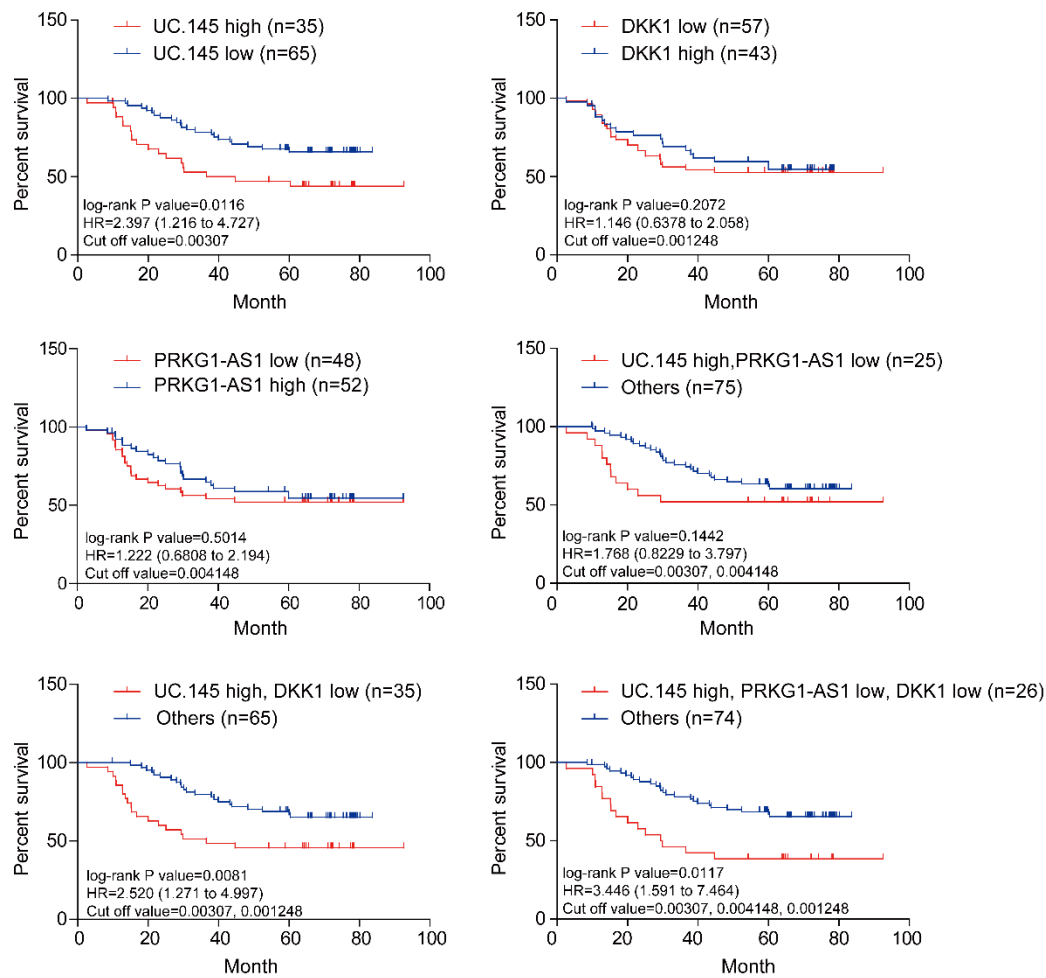
**Figure S8.** UC.145 affects EZH2 at the transcriptional level in GC cells. Relative mRNA expression of EZH2 in AGS and MKN74 cells, measured using qRT-PCR.



**Figure S9.** Confirmation of PRKG1-AS1 expression in gastric cancer (GC). **(a)** Relative mRNA expression of PRKG1-AS1 in the normal gastric cells (GES-1) compared with that in GC cells, measured using qRT-PCR; **(b)** Relative mRNA expression of PRKG-AS1 in 100 pairs of tissue samples obtained from patients with gastric cancer, measured using qRT-PCR. n.s., not significant.



**Figure S10.** Survival stage analysis. Kaplan–Meier estimates of patient overall survival in each cancer stage using the number of cases in which each gene was either upregulated or downregulated.



**Figure S11.** Survival analysis of UC.145, *DKK1*, and PRKG1-AS1. Kaplan–Meier estimates of patient overall survival using the number of cases in which each gene was either upregulated or downregulated.



## Supplementary Tables

**Table S1.** Primer sequences used in this study.

Primer Name	Direction	Sequences (5' to 3')
Primer Sequences for qRT-PCR		
UC.145	Forward	TTTCACTGCTGCTTGGTGTC
	Reverse	AGCCGGCACTAATAGTCCAA
UC.419	Forward	TCAAAGACACGAAGGGAATG
	Reverse	TTTTTAATTCAAACGTGTTTGTTTCAGA
UC.456	Forward	CAGGGTGATGGTGAGGATTC
	Reverse	TGAGGTTTTTGGTGGTGGTT
UC.320	Forward	CAGGATATCACTGTGCAGAAATG
	Reverse	CCTTGGGTGTCAAAAATGG
UC.281	Forward	CCGAATCCCTCTGTTGGTTA
	Reverse	TGAGGCCTTTATTGGAATTCTG
UC.208	Forward	TGGTTAGACAACACCCTCCAG
	Reverse	GGTGATCTGGTTCAAGTAGGG
UC.12	Forward	CAGTTCATTATAAGTAGTTGATGTCCA
	Reverse	GTGGATCGACTCATTGGTGA
UC.330	Forward	GTTCCGACCGGCGTTTAG
	Reverse	ACGGTAATCCAGCGAGGACT
UC.186	Forward	GGTGAATGGTATGCTTTCAACA
	Reverse	ATGCATCCTGTGTTTCAGCAA
UC.61	Forward	CGCCCATGAAACAAAAACA
	Reverse	GGGTGTCTTCCTGTGCAACT
UC.209	Forward	TGATTTATCTTCCACATTCTTGGA
	Reverse	TTTATAATCCCCACGTGCTT
UC.443	Forward	CTTGGCTTTTCTCCCTTGGT
	Reverse	ACCCTTGACTTTCCTTCAGC
UC.46	Forward	GGTCTTTACCTTATTGTACATTAGACC
	Reverse	CATGCCAAATTGCTTTTGCT
UC.366	Forward	AAAAATAAGGAGCCTTCTATTAAATCA
	Reverse	AGTGTACTGGGCCTTGGAGA
UC.48	Forward	ATGGGTGCTAGGCTGCTACT
	Reverse	TTTCTTCTTCAGTTGGCAGTTC
UC.18	Forward	GGAAAAGAGAAAAAGAGAAAGAAAAA
	Reverse	CATTTCCAGTGAAACCCACA
UC.163	Forward	GGGCAATTTTCTGTCTTCTTG
	Reverse	CATTTGGGATCCCCAGTTTC
UC.263	Forward	CACTGCTGTCTGGGACTGAA
	Reverse	TGCCAAACGGGTACCATACT
UC.236	Forward	GCCCTGCTTTGTAGAGCAT
	Reverse	TTATCATCGCTGGGGAGAAC
UC.218	Forward	GCAAATTGCACTCTCTGCTCT
	Reverse	CTTCCCTTTCAAGCCCTCTA
UC.214	Forward	CAGAGACCCCTCTGCCTTTA
	Reverse	TCAATGTTCCCTGCCCTTTT
UC.264	Forward	CACTGCTGTCTGGGACTGAA
	Reverse	TGCCAAACGGGTACCATACT
UC.283	Forward	GGATCAAATCACATAAACTGCAA

UC.158	Reverse	CGCCAGGGAAGCACTTAATA
	Forward	ATCAGGCAGTTGGAAGCTCT
UC.152	Reverse	AGCCGCTCTCATTACAAACG
	Forward	AATGCCATAATGCCTCTCTGA
<i>IGFBP3</i>	Reverse	CTTTTAATGGCAGATTATCCCTGT
	Forward	AGTTGGGGGAATTAGGATGG
<i>GADD45G</i>	Reverse	AATGGATTGGCAGCTGTTC
	Forward	TACGCTGATCCAGGCTTTCT
<i>NGFR</i>	Reverse	ACTCACCGAAATGAGGATGC
	Forward	AGCTCTGGGACAAGAGACCA
<i>GNG4</i>	Reverse	CCATGTTGACACCTGAAACG
	Forward	GCTTGAAAAACCTGCCTCAG
<i>SMAD9</i>	Reverse	GGGTGCATGTGTGAAAACAG
	Forward	GCTTGTTTGGGTCCAAGTGT
<i>DKK1</i>	Reverse	AGCAGCAGTGGTAAGGGAGA
	Forward	TTGAGAAGGGGGATGATGAG
<i>LIFR</i>	Reverse	CCAGTCTGGCAAACTGTGA
	Forward	CCAGTCCGTGGAGACATTTT
<i>SOSC2</i>	Reverse	GGTGTGCCAATTAGGCTTGT
	Forward	AAGGCTGAAGTCGCGTTTTA
<i>PDGFRA</i>	Reverse	AGTGAGGCCTGTGTCAGCTT
	Forward	TGGCTTCCTGGAGCTTAAAA
<i>DTX3</i>	Reverse	GAGTACCCTGGGGCACACTA
	Forward	TCTGTTTGAGCTGCATTTGG
<i>LAMA5</i>	Reverse	TCCCAAGTCTGGCATTTAGG
	Forward	CAGCCCCAAGCTGTCTACTC
<i>IGF1</i>	Reverse	GGCAGTGGTCACCTTTTGTT
	Forward	AGTCCCGCCAAAACACTATG
<i>CDKN1A</i>	Reverse	ATTTACAACCGCAGGGAGTG
	Forward	CTTCAAGGCAGTGGGAGAAG
<i>CREB5</i>	Reverse	TCTAAGCCCCACTGCTGTCT
	Forward	TTGAGCTGACGCTGAAGAGA
<i>EZH2</i>	Reverse	AGGGACACAGTTGGGTTCTG
	Forward	CAGTCACAGAGCCATGAGGA
<i>DKK1 PROMOTER</i>	Reverse	CCCAGCATCTAGCAGTGTCA
	Forward	TGCTTTTGAGAGCCTATCA
<i>PRKG1-AS1</i>	Reverse	GCAGGAAGTCTGGGAAGTTG
	Forward	ACCTTTTACGGCCACATCAG
<i>ACTB</i>	Reverse	TGGCTGGTCCACATTGAATA
	Forward	GATGAGATTGGCATGGCTTT
<i>GAPDH</i>	Reverse	CACCTTCACCGTTCCAGTTT
	Forward	CCGGGAAACTGTGGCGTGATGG
<i>U6</i>	Reverse	AGGTGGAGGAGTGGGTGTCGCTGTT
	Forward	CTCGCTTCGGCAGCACA
<b>MS-PCR primers</b>		
<i>DKK1_M</i>	Reverse	AACGCTTCAGGAATTTGCGT
	Forward	TTTGAATTCGGTTTTTAATTTAAC
<i>DKK1_UM</i>	Reverse	CAATAATCTAATACTTATCCCCGCC
	Forward	TGAATTTGGTTTTTAATTTAATGT
	Reverse	TCAATAATCTAATACTTATCCCCACC
	Forward	

**Table S2.** Nanostring nCounter expression results.

Gene Name	Accession No.	Probe Name	Class	%CV	Fold Change (siUC.145/siCT)
<i>ABL1</i>	NM_005157.3	NM_005157.3:3200	Endogenous	32.39	1.80
<i>ACAD9</i>	NM_014049.4	NM_014049.4:1935	Housekeeping	10.18	-1.19
<i>ACVR1B</i>	NM_004302.3	NM_004302.3:1700	Endogenous	25.93	-1.92
<i>ACVR1C</i>	NM_145259.2	NM_145259.2:5168	Endogenous	32.04	-1.71
<i>ACVR2A</i>	NM_001616.3	NM_001616.3:1245	Endogenous	43.35	2.19
<i>AGK</i>	NM_018238.3	NM_018238.3:816	Housekeeping	16.61	-1.01
<i>AKT1</i>	NM_005163.2	NM_005163.2:1772	Endogenous	50.07	2.12
<i>AKT2</i>	NM_001626.2	NM_001626.2:1450	Endogenous	20.65	1.28
<i>AKT3</i>	NM_181690.1	NM_181690.1:755	Endogenous	65.13	-6.04
<i>ALK</i>	NM_004304.3	NM_004304.3:3495	Endogenous	52.10	1.22
<i>ALKBH2</i>	NM_001001655.2	NM_001001655.2:907	Endogenous	13.10	-1.44
<i>ALKBH3</i>	NM_139178.3	NM_139178.3:690	Endogenous	27.22	1.83
<i>AMER1</i>	NM_152424.3	NM_152424.3:5755	Endogenous	24.37	1.62
<i>AMH</i>	NM_000479.3	NM_000479.3:1626	Endogenous	46.10	1.56
<i>AMMECR1L</i>	NM_001199140.1	NM_001199140.1:3564	Housekeeping	6.39	-1.06
<i>ANGPT1</i>	NM_001146.3	NM_001146.3:2080	Endogenous	51.31	-3.04
<i>APC</i>	NM_000038.3	NM_000038.3:6850	Endogenous	24.26	1.41
<i>APH1B</i>	NM_001145646.1	NM_001145646.1:2930	Endogenous	52.46	3.13
<i>AR</i>	NM_001011645.1	NM_001011645.1:810	Endogenous	53.28	-1.12
<i>ARID1A</i>	NM_006015.4	NM_006015.4:5495	Endogenous	7.85	1.18
<i>ARID1B</i>	NM_020732.3	NM_020732.3:6335	Endogenous	10.05	1.07
<i>ARID2</i>	NM_152641.2	NM_152641.2:3355	Endogenous	43.54	1.66
<i>ARNT2</i>	NM_014862.3	NM_014862.3:5260	Endogenous	21.01	1.17
<i>ASXL1</i>	NM_001164603.1	NM_001164603.1:472	Endogenous	2.24	-1.01
<i>ATM</i>	NM_138292.3	NM_138292.3:6688	Endogenous	33.13	-2.53
<i>ATR</i>	NM_001184.2	NM_001184.2:565	Endogenous	17.10	-1.41
<i>ATRX</i>	NM_000489.3	NM_000489.3:139	Endogenous	2.31	-1.15
<i>AXIN1</i>	NM_181050.1	NM_181050.1:135	Endogenous	11.28	-1.14
<i>AXIN2</i>	NM_004655.3	NM_004655.3:1035	Endogenous	116.54	5.74
<i>B2M</i>	NM_004048.2	NM_004048.2:25	Endogenous	41.88	-1.06
<i>BAD</i>	NM_004322.3	NM_004322.3:652	Endogenous	29.69	-1.85
<i>BAIAP3</i>	NM_003933.4	NM_003933.4:1950	Endogenous	60.37	-8.23
<i>BAMBI</i>	NM_012342.2	NM_012342.2:832	Endogenous	104.57	4.48
<i>BAP1</i>	NM_004656.2	NM_004656.2:240	Endogenous	46.24	2.12
<i>BAX</i>	NM_138761.3	NM_138761.3:342	Endogenous	72.17	2.76
<i>BCL2</i>	NM_000657.2	NM_000657.2:5	Endogenous	56.78	-2.30

<i>BCL2A1</i>	NM_004049.2	NM_004049.2:80	Endogenous	16.84	-1.28
<i>BCL2L1</i>	NM_138578.1	NM_138578.1:1560	Endogenous	6.66	1.29
<i>BCOR</i>	NM_001123383.1	NM_001123383.1:1630	Endogenous	21.52	1.34
<i>BDNF</i>	NM_170732.4	NM_170732.4:730	Endogenous	30.11	-2.74
<i>BID</i>	NM_197966.1	NM_197966.1:2095	Endogenous	30.81	-1.95
<i>BIRC3</i>	NM_182962.1	NM_182962.1:3	Endogenous	46.06	1.56
<i>BIRC7</i>	NM_022161.2	NM_022161.2:1168	Endogenous	47.72	2.34
<i>BMP2</i>	NM_001200.2	NM_001200.2:1515	Endogenous	109.44	10.42
<i>BMP4</i>	NM_001202.2	NM_001202.2:490	Endogenous	90.74	3.25
<i>BMP5</i>	NM_021073.2	NM_021073.2:1570	Endogenous	42.63	1.25
<i>BMP6</i>	NM_001718.2	NM_001718.2:1045	Endogenous	89.41	-1.28
<i>BMP7</i>	NM_001719.1	NM_001719.1:525	Endogenous	59.25	-4.40
<i>BMP8A</i>	NM_181809.3	NM_181809.3:5015	Endogenous	22.53	3.13
<i>BMPR1B</i>	NM_001203.1	NM_001203.1:430	Endogenous	23.98	1.34
<i>BNIP3</i>	NM_004052.2	NM_004052.2:325	Endogenous	19.85	2.34
<i>BRAF</i>	NM_004333.3	NM_004333.3:565	Endogenous	18.67	-1.12
<i>BRCA1</i>	NM_007305.2	NM_007305.2:1275	Endogenous	7.86	-1.32
<i>BRCA2</i>	NM_000059.3	NM_000059.3:115	Endogenous	26.62	1.30
<i>BRIP1</i>	NM_032043.1	NM_032043.1:1130	Endogenous	13.61	-1.10
<i>C10orf76</i>	NM_024541.2	NM_024541.2:3750	Housekeeping	3.43	1.20
<i>C19orf40</i>	NM_152266.3	NM_152266.3:376	Endogenous	5.15	-1.17
<i>CACNA1C</i>	NM_199460.2	NM_199460.2:4785	Endogenous	56.90	2.08
<i>CACNA1D</i>	NM_000720.2	NM_000720.2:5195	Endogenous	100.52	4.17
<i>CACNA1E</i>	NM_000721.2	NM_000721.2:9325	Endogenous	61.03	1.25
<i>CACNA1G</i>	NM_198397.1	NM_198397.1:1380	Endogenous	67.22	-6.40
<i>CACNA1H</i>	NM_021098.2	NM_021098.2:3329	Endogenous	45.07	-2.24
<i>CACNA2D1</i>	NM_000722.2	NM_000722.2:335	Endogenous	48.27	-1.54
<i>CACNA2D2</i>	NM_001005505.1	NM_001005505.1:2045	Endogenous	61.74	-1.28
<i>CACNA2D3</i>	NM_018398.2	NM_018398.2:205	Endogenous	29.99	-1.92
<i>CACNA2D4</i>	NM_001005737.1	NM_001005737.1:990	Endogenous	56.53	-1.28
<i>CACNB2</i>	NM_000724.3	NM_000724.3:2610	Endogenous	28.18	-1.49
<i>CACNB3</i>	NM_000725.2	NM_000725.2:1115	Endogenous	27.03	-1.08
<i>CACNB4</i>	NM_001005747.2	NM_001005747.2:1483	Endogenous	29.99	-2.24
<i>CACNG1</i>	NM_000727.2	NM_000727.2:464	Endogenous	61.03	3.13
<i>CACNG4</i>	NM_014405.2	NM_014405.2:1030	Endogenous	20.25	-1.12
<i>CACNG6</i>	NM_145814.1	NM_145814.1:1745	Endogenous	55.44	-4.18
<i>CALML3</i>	NM_005185.2	NM_005185.2:685	Endogenous	57.73	-5.12
<i>CALML5</i>	NM_017422.4	NM_017422.4:136	Endogenous	11.51	1.56
<i>CALML6</i>	NM_138705.2	NM_138705.2:682	Endogenous	44.09	2.34
<i>CAMK2B</i>	NM_001220.3	NM_001220.3:365	Endogenous	71.62	-3.84

<i>CAPN2</i>	NM_001748.4	NM_001748.4:2085	Endogenous	29.01	1.68
<i>CARD11</i>	NM_032415.2	NM_032415.2:1075	Endogenous	15.87	-1.22
<i>CASP10</i>	NM_032977.3	NM_032977.3:20	Endogenous	10.12	1.56
<i>CASP12</i>	NM_001191016.1	NM_001191016.1:595	Endogenous	18.17	1.56
<i>CASP3</i>	NM_032991.2	NM_032991.2:685	Endogenous	4.79	1.09
<i>CASP7</i>	NM_001227.3	NM_001227.3:915	Endogenous	16.12	1.11
<i>CASP8</i>	NM_001228.4	NM_001228.4:301	Endogenous	11.83	-1.10
<i>CASP9</i>	NM_001229.2	NM_001229.2:1805	Endogenous	31.92	-1.05
<i>CBL</i>	NM_005188.2	NM_005188.2:7485	Endogenous	20.99	-1.12
<i>CBLC</i>	NM_012116.3	NM_012116.3:652	Endogenous	19.11	-1.18
<i>CC2D1B</i>	NM_032449.2	NM_032449.2:4182	Housekeeping	18.85	1.12
<i>CCNA1</i>	NM_003914.3	NM_003914.3:1605	Endogenous	47.66	1.17
<i>CCNA2</i>	NM_001237.2	NM_001237.2:1210	Endogenous	15.06	-1.42
<i>CCNB1</i>	NM_031966.2	NM_031966.2:715	Endogenous	8.75	-1.34
<i>CCNB3</i>	NM_033671.1	NM_033671.1:35	Endogenous	22.18	-1.28
<i>CCND1</i>	NM_053056.2	NM_053056.2:690	Endogenous	17.55	1.16
<i>CCND2</i>	NM_001759.2	NM_001759.2:5825	Endogenous	70.20	-5.63
<i>CCND3</i>	NM_001760.2	NM_001760.2:1215	Endogenous	24.60	-1.62
<i>CCNE1</i>	NM_001238.1	NM_001238.1:1635	Endogenous	76.76	2.95
<i>CCNE2</i>	NM_057735.1	NM_057735.1:50	Endogenous	42.95	2.61
<i>CCNO</i>	NM_021147.3	NM_021147.3:45	Endogenous	10.12	-1.28
<i>CCR7</i>	NM_001838.2	NM_001838.2:1610	Endogenous	15.87	-1.28
<i>CD14</i>	NM_000591.2	NM_000591.2:885	Endogenous	54.97	-1.28
<i>CD19</i>	NM_001770.4	NM_001770.4:1770	Endogenous	50.96	1.56
<i>CD40</i>	NM_001250.4	NM_001250.4:1265	Endogenous	115.37	2.34
<i>CDC14A</i>	NM_033313.2	NM_033313.2:1400	Endogenous	13.58	-1.16
<i>CDC14B</i>	NM_003671.3	NM_003671.3:4940	Endogenous	69.15	2.67
<i>CDC25A</i>	NM_001789.2	NM_001789.2:690	Endogenous	68.12	2.01
<i>CDC25B</i>	NM_021873.2	NM_021873.2:3045	Endogenous	5.32	-1.27
<i>CDC25C</i>	NM_001790.2	NM_001790.2:1055	Endogenous	45.84	-2.46
<i>CDC6</i>	NM_001254.3	NM_001254.3:1300	Endogenous	13.42	1.15
<i>CDC7</i>	NM_003503.2	NM_003503.2:805	Endogenous	18.70	-1.85
<i>CDH1</i>	NM_004360.2	NM_004360.2:1230	Endogenous	59.18	-3.72
<i>CDK2</i>	NM_001798.2	NM_001798.2:220	Endogenous	33.23	-2.30
<i>CDK4</i>	NM_000075.2	NM_000075.2:1055	Endogenous	5.12	-1.05
<i>CDK6</i>	NM_001259.5	NM_001259.5:15	Endogenous	62.10	1.63
<i>CDKN1A</i>	NM_000389.2	NM_000389.2:1975	Endogenous	68.32	2.68
<i>CDKN1B</i>	NM_004064.2	NM_004064.2:365	Endogenous	12.30	1.10
<i>CDKN1C</i>	NM_000076.2	NM_000076.2:1605	Endogenous	43.87	-2.88
<i>CDKN2A</i>	NM_000077.3	NM_000077.3:975	Endogenous	46.11	-2.56

<i>CDKN2B</i>	NM_004936.3	NM_004936.3:1175	Endogenous	89.06	5.59
<i>CDKN2C</i>	NM_001262.2	NM_001262.2:1295	Endogenous	11.28	-1.44
<i>CDKN2D</i>	NM_001800.3	NM_001800.3:870	Endogenous	41.77	-2.95
<i>CEBPA</i>	NM_004364.2	NM_004364.2:1320	Endogenous	72.78	2.41
<i>CEBPE</i>	NM_001805.2	NM_001805.2:1096	Endogenous	74.07	-2.56
<i>CHAD</i>	NM_001267.2	NM_001267.2:810	Endogenous	25.94	-1.92
<i>CHEK1</i>	NM_001114121.1	NM_001114121.1:2225	Endogenous	20.36	-1.99
<i>CHEK2</i>	NM_007194.3	NM_007194.3:140	Endogenous	33.78	-2.11
<i>CHUK</i>	NM_001278.3	NM_001278.3:860	Endogenous	12.11	1.26
<i>CIC</i>	NM_015125.3	NM_015125.3:1290	Endogenous	29.84	1.36
<i>CLCF1</i>	NM_013246.2	NM_013246.2:1296	Endogenous	28.25	2.34
<i>CNOT10</i>	NM_001256741.1	NM_001256741.1:1962	Housekeeping	12.26	1.00
<i>CNOT4</i>	NM_001190848.1	NM_001190848.1:795	Housekeeping	7.21	1.16
<i>CNTFR</i>	NM_147164.1	NM_147164.1:784	Endogenous	28.79	-1.65
<i>COG7</i>	NM_153603.3	NM_153603.3:1492	Housekeeping	37.92	-2.08
<i>COL11A1</i>	NM_001854.3	NM_001854.3:674	Endogenous	19.31	-1.28
<i>COL11A2</i>	NM_001163771.1	NM_001163771.1:760	Endogenous	52.19	-6.40
<i>COL1A1</i>	NM_000088.3	NM_000088.3:5210	Endogenous	34.04	-2.21
<i>COL1A2</i>	NM_000089.3	NM_000089.3:2635	Endogenous	57.58	1.17
<i>COL24A1</i>	NM_152890.5	NM_152890.5:4752	Endogenous	47.22	-1.92
<i>COL27A1</i>	NM_032888.2	NM_032888.2:5120	Endogenous	131.64	6.54
<i>COL2A1</i>	NM_001844.4	NM_001844.4:4745	Endogenous	17.34	-1.04
<i>COL3A1</i>	NM_000090.3	NM_000090.3:180	Endogenous	30.11	2.34
<i>COL4A3</i>	NM_000091.3	NM_000091.3:5630	Endogenous	39.31	-1.92
<i>COL4A4</i>	NM_000092.4	NM_000092.4:8255	Endogenous	12.31	1.95
<i>COL4A5</i>	NM_033381.1	NM_033381.1:5360	Endogenous	145.81	8.54
<i>COL4A6</i>	NM_001847.2	NM_001847.2:1070	Endogenous	14.80	1.35
<i>COL5A1</i>	NM_000093.3	NM_000093.3:6345	Endogenous	31.94	-1.02
<i>COL5A2</i>	NM_000393.3	NM_000393.3:4075	Endogenous	32.95	-1.92
<i>COL6A6</i>	NM_001102608.1	NM_001102608.1:5926	Endogenous	15.87	-1.28
<i>COMP</i>	NM_000095.2	NM_000095.2:1744	Endogenous	42.13	2.34
<i>CREB3L1</i>	NM_052854.1	NM_052854.1:195	Endogenous	63.35	2.27
<i>CREB3L3</i>	NM_001271995.1	NM_001271995.1:1050	Endogenous	82.23	1.37
<i>CREB3L4</i>	NM_130898.2	NM_130898.2:1505	Endogenous	36.40	-1.37
<i>CREB5</i>	NM_182898.2	NM_182898.2:1885	Endogenous	65.35	3.56
<i>CREBBP</i>	NM_004380.2	NM_004380.2:8855	Endogenous	57.13	1.30
<i>CRLF2</i>	NM_001012288.1	NM_001012288.1:605	Endogenous	15.91	-1.60
<i>CSF1R</i>	NM_005211.2	NM_005211.2:3775	Endogenous	16.56	-1.28
<i>CSF2</i>	NM_000758.2	NM_000758.2:475	Endogenous	64.06	2.34
<i>CSF3</i>	NM_000759.3	NM_000759.3:851	Endogenous	35.31	-1.28

<i>CSF3R</i>	NM_156038.2	NM_156038.2:90	Endogenous	64.94	1.56
<i>CTNNB1</i>	NM_001904.3	NM_001904.3:2265	Endogenous	6.22	-1.10
<i>CUL1</i>	NM_003592.2	NM_003592.2:1487	Endogenous	10.39	-1.20
<i>CXXC4</i>	NM_025212.1	NM_025212.1:293	Endogenous	56.34	1.17
<i>CYLD</i>	NM_015247.1	NM_015247.1:2890	Endogenous	46.64	-2.88
<i>DAXX</i>	NM_001350.3	NM_001350.3:1875	Endogenous	1.40	-1.14
<i>DDB2</i>	NM_000107.1	NM_000107.1:840	Endogenous	89.74	3.11
<i>DDIT3</i>	NM_004083.4	NM_004083.4:40	Endogenous	22.71	-1.41
<i>DDIT4</i>	NM_019058.2	NM_019058.2:85	Endogenous	67.66	-5.87
<i>DDX50</i>	NM_024045.1	NM_024045.1:1185	Housekeeping	5.77	-1.26
<i>DHX16</i>	NM_001164239.1	NM_001164239.1:2490	Housekeeping	8.09	-1.26
<i>DKK1</i>	NM_012242.2	NM_012242.2:75	Endogenous	166.87	49.67
<i>DKK2</i>	NM_014421.2	NM_014421.2:1135	Endogenous	38.46	-1.28
<i>DKK4</i>	NM_014420.2	NM_014420.2:640	Endogenous	41.87	1.30
<i>DLL1</i>	NM_005618.3	NM_005618.3:2580	Endogenous	45.87	-1.28
<i>DLL3</i>	NM_203486.2	NM_203486.2:1842	Endogenous	72.50	-7.25
<i>DLL4</i>	NM_019074.2	NM_019074.2:893	Endogenous	53.11	2.34
<i>DNAJC14</i>	NM_032364.5	NM_032364.5:1166	Housekeeping	17.03	-1.31
<i>DNMT1</i>	NM_001379.2	NM_001379.2:1495	Endogenous	12.97	-1.26
<i>DNMT3A</i>	NM_022552.3	NM_022552.3:3835	Endogenous	29.65	1.52
<i>DTX1</i>	NM_004416.2	NM_004416.2:2855	Endogenous	34.79	1.17
<i>DTX3</i>	NM_178502.2	NM_178502.2:1620	Endogenous	124.18	14.06
<i>DTX4</i>	NM_015177.1	NM_015177.1:4820	Endogenous	17.76	1.07
<i>DUSP10</i>	NM_144728.2	NM_144728.2:1176	Endogenous	10.35	1.49
<i>DUSP2</i>	NM_004418.3	NM_004418.3:1235	Endogenous	123.67	7.97
<i>DUSP4</i>	NM_057158.2	NM_057158.2:3115	Endogenous	113.52	9.38
<i>DUSP5</i>	NM_004419.3	NM_004419.3:675	Endogenous	40.64	1.56
<i>DUSP6</i>	NM_001946.2	NM_001946.2:1535	Endogenous	12.23	-1.68
<i>DUSP8</i>	NM_004420.2	NM_004420.2:2165	Endogenous	63.41	4.93
<i>E2F1</i>	NM_005225.1	NM_005225.1:935	Endogenous	19.61	-1.91
<i>E2F5</i>	NM_001951.3	NM_001951.3:444	Endogenous	53.58	2.38
<i>EDC3</i>	NM_001142443.1	NM_001142443.1:925	Housekeeping	17.11	-1.23
<i>EFNA1</i>	NM_004428.2	NM_004428.2:650	Endogenous	62.37	2.99
<i>EFNA2</i>	NM_001405.3	NM_001405.3:1538	Endogenous	92.05	2.59
<i>EFNA3</i>	NM_004952.4	NM_004952.4:1672	Endogenous	23.81	1.21
<i>EFNA5</i>	NM_001962.2	NM_001962.2:5035	Endogenous	20.37	-1.60
<i>EGF</i>	NM_001963.3	NM_001963.3:3930	Endogenous	67.69	-3.20
<i>EGFR</i>	NM_201282.1	NM_201282.1:360	Endogenous	40.36	-2.39
<i>EIF2B4</i>	NM_172195.3	NM_172195.3:1390	Housekeeping	7.37	1.24
<i>EIF4EBP1</i>	NM_004095.3	NM_004095.3:363	Endogenous	27.52	-1.93

<i>ENDOG</i>	NM_004435.2	NM_004435.2:694	Endogenous	4.66	1.06
<i>EP300</i>	NM_001429.2	NM_001429.2:715	Endogenous	32.80	-1.79
<i>EPHA2</i>	NM_004431.2	NM_004431.2:1525	Endogenous	32.13	1.80
<i>EPO</i>	NM_000799.2	NM_000799.2:1055	Endogenous	20.49	1.17
<i>EPOR</i>	NM_000121.2	NM_000121.2:1295	Endogenous	16.54	-1.06
<i>ERBB2</i>	NM_004448.2	NM_004448.2:2380	Endogenous	11.50	1.11
<i>ERCC2</i>	NM_000400.2	NM_000400.2:240	Endogenous	35.62	1.74
<i>ERCC3</i>	NM_000122.1	NM_000122.1:1950	Housekeeping	16.48	1.09
<i>ERCC6</i>	NM_000124.2	NM_000124.2:3235	Endogenous	37.82	2.02
<i>ETS2</i>	NM_005239.4	NM_005239.4:1175	Endogenous	28.97	1.45
<i>ETV1</i>	NM_004956.4	NM_004956.4:1719	Endogenous	22.00	-1.60
<i>ETV4</i>	NM_001079675.1	NM_001079675.1:1535	Endogenous	46.30	-2.94
<i>ETV7</i>	NM_016135.2	NM_016135.2:794	Endogenous	20.64	-2.13
<i>EYA1</i>	NM_172059.2	NM_172059.2:1090	Endogenous	24.20	-1.28
<i>EZH2</i>	NM_004456.3	NM_004456.3:190	Endogenous	14.83	-1.58
<i>FANCA</i>	NM_000135.2	NM_000135.2:265	Endogenous	64.69	3.02
<i>FANCB</i>	NM_152633.2	NM_152633.2:2470	Endogenous	11.90	1.10
<i>FANCC</i>	NM_000136.2	NM_000136.2:310	Endogenous	8.64	-1.19
<i>FANCE</i>	NM_021922.2	NM_021922.2:1275	Endogenous	29.76	-1.78
<i>FANCF</i>	NM_022725.2	NM_022725.2:845	Endogenous	6.53	-1.01
<i>FANCG</i>	NM_004629.1	NM_004629.1:1900	Endogenous	37.36	-2.38
<i>FANCL</i>	NM_001114636.1	NM_001114636.1:446	Endogenous	26.08	-1.67
<i>FAS</i>	NM_152876.1	NM_152876.1:1740	Endogenous	98.98	3.05
<i>FASLG</i>	NM_000639.1	NM_000639.1:625	Endogenous	24.53	1.30
<i>FBXW7</i>	NM_018315.4	NM_018315.4:1480	Endogenous	18.58	-1.06
<i>FCF1</i>	NM_015962.4	NM_015962.4:1022	Housekeeping	11.58	1.96
<i>FEN1</i>	NM_004111.4	NM_004111.4:425	Endogenous	12.75	-1.38
<i>FGF1</i>	NM_033137.1	NM_033137.1:315	Endogenous	80.08	1.76
<i>FGF10</i>	NM_004465.1	NM_004465.1:85	Endogenous	19.71	1.04
<i>FGF11</i>	NM_004112.2	NM_004112.2:1670	Endogenous	10.40	-1.00
<i>FGF12</i>	NM_004113.4	NM_004113.4:685	Endogenous	53.11	-3.61
<i>FGF13</i>	NM_033642.1	NM_033642.1:620	Endogenous	19.71	3.13
<i>FGF14</i>	NM_004115.3	NM_004115.3:725	Endogenous	10.12	-1.92
<i>FGF16</i>	NM_003868.1	NM_003868.1:504	Endogenous	41.43	-2.24
<i>FGF17</i>	NM_003867.2	NM_003867.2:279	Endogenous	20.25	-1.92
<i>FGF18</i>	NM_003862.1	NM_003862.1:850	Endogenous	65.31	2.26
<i>FGF19</i>	NM_005117.2	NM_005117.2:786	Endogenous	20.13	-1.08
<i>FGF2</i>	NM_002006.4	NM_002006.4:620	Endogenous	61.74	-2.56
<i>FGF20</i>	NM_019851.1	NM_019851.1:390	Endogenous	27.42	1.82
<i>FGF21</i>	NM_019113.2	NM_019113.2:125	Endogenous	14.44	1.95



<i>FGF22</i>	NM_020637.1	NM_020637.1:206	Endogenous	53.15	1.56
<i>FGF23</i>	NM_020638.2	NM_020638.2:1390	Endogenous	98.10	-1.28
<i>FGF3</i>	NM_005247.2	NM_005247.2:692	Endogenous	47.17	-1.49
<i>FGF4</i>	NM_002007.2	NM_002007.2:688	Endogenous	18.89	1.30
<i>FGF5</i>	NM_004464.3	NM_004464.3:4785	Endogenous	20.25	1.56
<i>FGF6</i>	NM_020996.1	NM_020996.1:420	Endogenous	30.11	2.34
<i>FGF7</i>	NM_002009.3	NM_002009.3:190	Endogenous	32.27	3.52
<i>FGF8</i>	NM_033163.3	NM_033163.3:544	Endogenous	68.99	-3.84
<i>FGF9</i>	NM_002010.2	NM_002010.2:1565	Endogenous	121.14	4.49
<i>FGFR1</i>	NM_015850.2	NM_015850.2:1335	Endogenous	61.58	-5.12
<i>FGFR2</i>	NM_000141.4	NM_000141.4:647	Endogenous	69.30	2.59
<i>FGFR3</i>	NM_022965.2	NM_022965.2:3170	Endogenous	14.81	-1.39
<i>FGFR4</i>	NM_002011.3	NM_002011.3:1585	Endogenous	46.13	2.07
<i>FIGF</i>	NM_004469.2	NM_004469.2:580	Endogenous	70.82	-5.97
<i>FLNA</i>	NM_001456.3	NM_001456.3:7335	Endogenous	32.15	1.64
<i>FLNC</i>	NM_001127487.1	NM_001127487.1:7144	Endogenous	57.05	-1.28
<i>FLT1</i>	NM_002019.4	NM_002019.4:530	Endogenous	4.13	1.17
<i>FLT3</i>	NM_004119.1	NM_004119.1:580	Endogenous	17.60	-1.28
<i>FN1</i>	NM_212482.1	NM_212482.1:1776	Endogenous	87.11	-3.65
<i>FOS</i>	NM_005252.2	NM_005252.2:1475	Endogenous	19.38	-1.46
<i>FOSL1</i>	NM_005438.2	NM_005438.2:280	Endogenous	24.52	-1.34
<i>FOXL2</i>	NM_023067.2	NM_023067.2:1290	Endogenous	15.56	-1.28
<i>FOXO4</i>	NM_005938.2	NM_005938.2:35	Endogenous	60.38	-1.71
<i>FST</i>	NM_006350.2	NM_006350.2:575	Endogenous	112.06	2.34
<i>FTSJ2</i>	NM_013393.1	NM_013393.1:1435	Housekeeping	7.71	1.07
<i>FUBP1</i>	NM_003902.3	NM_003902.3:820	Endogenous	15.70	1.02
<i>FUT8</i>	NM_004480.4	NM_004480.4:2841	Endogenous	27.56	1.61
<i>FZD10</i>	NM_007197.2	NM_007197.2:1810	Endogenous	35.71	-1.71
<i>FZD2</i>	NM_001466.2	NM_001466.2:845	Endogenous	17.36	1.09
<i>FZD3</i>	NM_017412.2	NM_017412.2:435	Endogenous	15.20	1.37
<i>FZD7</i>	NM_003507.1	NM_003507.1:1890	Endogenous	13.18	-1.59
<i>FZD8</i>	NM_031866.1	NM_031866.1:890	Endogenous	54.97	1.17
<i>FZD9</i>	NM_003508.2	NM_003508.2:1320	Endogenous	38.46	-3.84
<i>GADD45A</i>	NM_001924.2	NM_001924.2:865	Endogenous	14.40	1.28
<i>GADD45B</i>	NM_015675.2	NM_015675.2:365	Endogenous	5.82	-1.03
<i>GADD45G</i>	NM_006705.3	NM_006705.3:250	Endogenous	74.05	-12.80
<i>GAS1</i>	NM_002048.2	NM_002048.2:1525	Endogenous	74.60	-5.12
<i>GATA1</i>	NM_002049.2	NM_002049.2:1001	Endogenous	10.12	-1.28
<i>GATA2</i>	NM_032638.3	NM_032638.3:1495	Endogenous	54.87	-3.80
<i>GATA3</i>	NM_001002295.1	NM_001002295.1:2835	Endogenous	12.77	1.37

<i>GDF6</i>	NM_001001557.2	NM_001001557.2:1908	Endogenous	20.51	2.34
<i>GHR</i>	NM_000163.2	NM_000163.2:1835	Endogenous	42.41	-1.28
<i>GLI1</i>	NM_005269.1	NM_005269.1:2885	Endogenous	57.04	1.30
<i>GLI3</i>	NM_000168.5	NM_000168.5:4769	Endogenous	59.75	-5.12
<i>GNA11</i>	NM_002067.1	NM_002067.1:555	Endogenous	23.37	1.44
<i>GNAQ</i>	NM_002072.2	NM_002072.2:1100	Endogenous	10.88	1.20
<i>GNAS</i>	NM_080425.1	NM_080425.1:1910	Endogenous	3.95	1.05
<i>GNG12</i>	NM_018841.3	NM_018841.3:245	Endogenous	11.62	-1.29
<i>GNG4</i>	NM_004485.2	NM_004485.2:215	Endogenous	68.09	-9.15
<i>GNG7</i>	NM_052847.1	NM_052847.1:3920	Endogenous	16.75	-2.13
<i>NGGT1</i>	NM_021955.3	NM_021955.3:260	Endogenous	30.21	-1.99
<i>GPATCH3</i>	NM_022078.2	NM_022078.2:1685	Housekeeping	16.93	1.42
<i>GPC4</i>	NM_001448.2	NM_001448.2:820	Endogenous	116.98	5.58
<i>GRB2</i>	NM_002086.4	NM_002086.4:412	Endogenous	18.79	-1.28
<i>GRIA3</i>	NM_000828.4	NM_000828.4:426	Endogenous	45.29	-1.28
<i>GRIN1</i>	NM_000832.5	NM_000832.5:1290	Endogenous	35.83	1.30
<i>GRIN2A</i>	NM_000833.3	NM_000833.3:4497	Endogenous	49.60	-1.28
<i>GRIN2B</i>	NM_000834.3	NM_000834.3:1144	Endogenous	42.13	1.56
<i>GSK3B</i>	NM_002093.2	NM_002093.2:925	Endogenous	21.71	-1.26
<i>GTF2H3</i>	NM_001516.3	NM_001516.3:70	Endogenous	5.80	1.16
<i>GZMB</i>	NM_004131.3	NM_004131.3:540	Endogenous	53.23	1.95
<i>H2AFX</i>	NM_002105.2	NM_002105.2:1392	Endogenous	11.64	-1.58
<i>H3F3A</i>	NM_002107.3	NM_002107.3:190	Endogenous	19.14	1.18
<i>H3F3C</i>	NM_001013699.2	NM_001013699.2:829	Endogenous	11.46	-1.23
<i>HDAC1</i>	NM_004964.2	NM_004964.2:785	Endogenous	4.64	1.02
<i>HDAC10</i>	NM_032019.5	NM_032019.5:932	Endogenous	11.99	-1.04
<i>HDAC11</i>	NM_024827.3	NM_024827.3:2601	Endogenous	22.50	-1.56
<i>HDAC2</i>	NM_001527.1	NM_001527.1:930	Endogenous	17.57	1.21
<i>HDAC3</i>	NM_003883.2	NM_003883.2:1455	Housekeeping	4.62	1.01
<i>HDAC4</i>	NM_006037.3	NM_006037.3:6965	Endogenous	5.79	-1.25
<i>HDAC5</i>	NM_005474.4	NM_005474.4:3160	Endogenous	32.10	-1.87
<i>HDAC6</i>	NM_006044.2	NM_006044.2:536	Endogenous	30.16	-1.81
<i>HELLS</i>	NM_018063.3	NM_018063.3:2040	Endogenous	19.02	-1.17
<i>HES1</i>	NM_005524.2	NM_005524.2:860	Endogenous	22.39	1.11
<i>HES5</i>	NM_001010926.3	NM_001010926.3:1160	Endogenous	27.68	-2.13
<i>HGF</i>	NM_000601.4	NM_000601.4:550	Endogenous	15.78	1.56
<i>HHEX</i>	NM_002729.4	NM_002729.4:1479	Endogenous	9.82	-1.08
<i>HHIP</i>	NM_022475.1	NM_022475.1:2135	Endogenous	52.19	-1.28
<i>HIST1H3B</i>	NM_003537.3	NM_003537.3:335	Endogenous	16.16	-1.42
<i>HIST1H3G</i>	NM_003534.2	NM_003534.2:348	Endogenous	22.52	-1.58

<i>HIST1H3H</i>	NM_003536.2	NM_003536.2:355	Endogenous	11.11	-1.19
<i>HMGA1</i>	NM_145904.1	NM_145904.1:871	Endogenous	11.08	-1.02
<i>HMGA2</i>	NM_003484.1	NM_003484.1:328	Endogenous	28.48	1.60
<i>HNF1A</i>	NM_000545.4	NM_000545.4:2125	Endogenous	36.77	1.17
<i>HOXA10</i>	NM_018951.3	NM_018951.3:1503	Endogenous	57.78	1.14
<i>HOXA11</i>	NM_005523.5	NM_005523.5:1525	Endogenous	55.84	-3.20
<i>HOXA9</i>	NM_152739.3	NM_152739.3:1015	Endogenous	31.55	3.91
<i>HPGD</i>	NM_001145816.2	NM_001145816.2:96	Endogenous	81.72	1.25
<i>HRAS</i>	NM_005343.2	NM_005343.2:396	Endogenous	27.93	1.46
<i>HSP90B1</i>	NM_003299.1	NM_003299.1:160	Endogenous	29.24	1.41
<i>HSPA1A</i>	NM_005345.5	NM_005345.5:98	Endogenous	45.90	1.27
<i>HSPA2</i>	NM_021979.3	NM_021979.3:2095	Endogenous	28.28	-2.22
<i>HSPA6</i>	NM_002155.3	NM_002155.3:2018	Endogenous	18.07	1.37
<i>HSPB1</i>	NM_001540.3	NM_001540.3:374	Endogenous	1.54	-1.04
<i>IBSP</i>	NM_004967.3	NM_004967.3:876	Endogenous	12.53	1.56
<i>ID1</i>	NM_002165.2	NM_002165.2:345	Endogenous	64.74	1.78
<i>ID2</i>	NM_002166.4	NM_002166.4:505	Endogenous	45.12	1.55
<i>ID4</i>	NM_001546.2	NM_001546.2:2048	Endogenous	47.53	2.73
<i>IDH1</i>	NM_005896.2	NM_005896.2:105	Endogenous	11.32	-1.47
<i>IDH2</i>	NM_002168.2	NM_002168.2:944	Endogenous	25.69	-1.96
<i>IFNA17</i>	NM_021268.2	NM_021268.2:291	Endogenous	37.36	-1.14
<i>IFNA2</i>	NM_000605.3	NM_000605.3:11	Endogenous	21.43	1.17
<i>IFNA7</i>	NM_021057.2	NM_021057.2:0	Endogenous	29.47	1.56
<i>IFNG</i>	NM_000619.2	NM_000619.2:970	Endogenous	53.23	1.95
<i>IGF1</i>	NM_000618.3	NM_000618.3:491	Endogenous	39.24	2.08
<i>IGF1R</i>	NM_000875.2	NM_000875.2:455	Endogenous	48.77	-2.96
<i>IGFBP3</i>	NM_000598.4	NM_000598.4:1255	Endogenous	94.96	-15.02
<i>IKBKB</i>	NM_001556.1	NM_001556.1:1995	Endogenous	21.44	-1.95
<i>IKBKG</i>	NM_003639.2	NM_003639.2:470	Endogenous	10.46	-1.01
<i>IL10</i>	NM_000572.2	NM_000572.2:230	Endogenous	23.76	2.34
<i>IL11</i>	NM_000641.2	NM_000641.2:1145	Endogenous	64.37	-1.46
<i>IL11RA</i>	NM_147162.1	NM_147162.1:400	Endogenous	62.22	-6.40
<i>IL12A</i>	NM_000882.2	NM_000882.2:775	Endogenous	23.99	-1.75
<i>IL12B</i>	NM_002187.2	NM_002187.2:1435	Endogenous	34.06	-1.28
<i>IL12RB2</i>	NM_001559.2	NM_001559.2:1315	Endogenous	44.96	2.34
<i>IL13</i>	NM_002188.2	NM_002188.2:516	Endogenous	112.17	3.91
<i>IL13RA2</i>	NM_000640.2	NM_000640.2:400	Endogenous	43.59	1.95
<i>IL15</i>	NM_172174.1	NM_172174.1:1685	Endogenous	47.83	-1.28
<i>IL19</i>	NM_013371.3	NM_013371.3:1030	Endogenous	73.58	1.95
<i>IL1A</i>	NM_000575.3	NM_000575.3:1085	Endogenous	83.45	-3.58

<i>IL1B</i>	NM_000576.2	NM_000576.2:840	Endogenous	49.27	-4.48
<i>IL1R1</i>	NM_000877.2	NM_000877.2:4295	Endogenous	48.98	-2.43
<i>IL1R2</i>	NM_173343.1	NM_173343.1:113	Endogenous	50.58	-1.83
<i>IL1RAP</i>	NM_002182.2	NM_002182.2:460	Endogenous	18.68	1.45
<i>IL20RA</i>	NM_014432.2	NM_014432.2:535	Endogenous	102.53	3.36
<i>IL20RB</i>	NM_144717.2	NM_144717.2:1575	Endogenous	27.79	-2.06
<i>IL22RA1</i>	NM_021258.2	NM_021258.2:2524	Endogenous	66.51	2.83
<i>IL22RA2</i>	NM_181309.1	NM_181309.1:290	Endogenous	38.01	3.13
<i>IL23A</i>	NM_016584.2	NM_016584.2:411	Endogenous	50.15	-2.05
<i>IL23R</i>	NM_144701.2	NM_144701.2:710	Endogenous	38.35	-1.28
<i>IL24</i>	NM_181339.1	NM_181339.1:1016	Endogenous	28.56	-1.54
<i>IL2RA</i>	NM_000417.1	NM_000417.1:1000	Endogenous	55.29	-2.56
<i>IL2RB</i>	NM_000878.2	NM_000878.2:1980	Endogenous	55.45	-4.27
<i>IL3</i>	NM_000588.3	NM_000588.3:130	Endogenous	27.27	1.07
<i>IL3RA</i>	NM_002183.2	NM_002183.2:745	Endogenous	73.76	-3.84
<i>IL5RA</i>	NM_000564.3	NM_000564.3:210	Endogenous	18.27	1.30
<i>IL6</i>	NM_000600.1	NM_000600.1:220	Endogenous	47.54	1.56
<i>IL6R</i>	NM_000565.2	NM_000565.2:993	Endogenous	18.56	-1.20
<i>IL7</i>	NM_000880.2	NM_000880.2:38	Endogenous	16.56	-1.28
<i>IL7R</i>	NM_002185.2	NM_002185.2:1610	Endogenous	41.43	-1.28
<i>IL8</i>	NM_000584.2	NM_000584.2:25	Endogenous	61.63	-2.90
<i>INHBA</i>	NM_002192.2	NM_002192.2:490	Endogenous	33.39	1.17
<i>INHBB</i>	NM_002193.2	NM_002193.2:1969	Endogenous	2.78	-1.54
<i>IRAK2</i>	NM_001570.3	NM_001570.3:1285	Endogenous	44.16	-1.96
<i>IRAK3</i>	NM_007199.1	NM_007199.1:1735	Endogenous	4.13	-1.28
<i>IRS1</i>	NM_005544.2	NM_005544.2:6224	Endogenous	75.37	3.21
<i>ITGA2</i>	NM_002203.2	NM_002203.2:475	Endogenous	32.29	1.08
<i>ITGA3</i>	NM_005501.2	NM_005501.2:1138	Endogenous	9.73	-1.42
<i>ITGA6</i>	NM_000210.1	NM_000210.1:3065	Endogenous	17.15	-1.27
<i>ITGA7</i>	NM_002206.1	NM_002206.1:1170	Endogenous	38.01	2.08
<i>ITGA8</i>	NM_003638.1	NM_003638.1:1215	Endogenous	48.55	1.17
<i>ITGA9</i>	NM_002207.2	NM_002207.2:2380	Endogenous	43.16	1.56
<i>ITGB3</i>	NM_000212.2	NM_000212.2:4485	Endogenous	42.13	1.17
<i>ITGB4</i>	NM_001005731.1	NM_001005731.1:4151	Endogenous	46.44	-3.19
<i>ITGB6</i>	NM_001282353.1	NM_001282353.1:4124	Endogenous	119.82	5.02
<i>ITGB7</i>	NM_000889.1	NM_000889.1:1278	Endogenous	21.43	-2.99
<i>ITGB8</i>	NM_002214.2	NM_002214.2:2609	Endogenous	39.33	-1.59
<i>JAG1</i>	NM_000214.2	NM_000214.2:915	Endogenous	118.74	4.50
<i>JAG2</i>	NM_145159.1	NM_145159.1:4225	Endogenous	51.73	-2.94
<i>JAK1</i>	NM_002227.1	NM_002227.1:285	Endogenous	39.98	-1.88

<i>JAK2</i>	NM_004972.2	NM_004972.2:455	Endogenous	38.80	1.76
<i>JAK3</i>	NM_000215.2	NM_000215.2:1715	Endogenous	47.97	-3.41
<i>JUN</i>	NM_002228.3	NM_002228.3:140	Endogenous	88.98	3.13
<i>KAT2B</i>	NM_003884.3	NM_003884.3:1220	Endogenous	6.18	1.08
<i>KDM5C</i>	NM_004187.2	NM_004187.2:1170	Endogenous	18.32	1.48
<i>KDM6A</i>	NM_021140.2	NM_021140.2:2590	Endogenous	57.03	2.64
<i>KIT</i>	NM_000222.1	NM_000222.1:5	Endogenous	26.47	-3.20
<i>KITLG</i>	NM_003994.4	NM_003994.4:1155	Endogenous	113.71	7.49
<i>KLF4</i>	NM_004235.4	NM_004235.4:1980	Endogenous	47.59	-1.81
<i>KMT2C</i>	NM_170606.2	NM_170606.2:12505	Endogenous	9.27	-1.05
<i>KMT2D</i>	NM_003482.3	NM_003482.3:6070	Endogenous	36.84	1.64
<i>KRAS</i>	NM_004985.3	NM_004985.3:1790	Endogenous	8.21	1.60
<i>LAMA1</i>	NM_005559.2	NM_005559.2:5230	Endogenous	58.94	-4.08
<i>LAMA3</i>	NM_000227.3	NM_000227.3:4260	Endogenous	145.21	9.92
<i>LAMA5</i>	NM_005560.3	NM_005560.3:787	Endogenous	48.88	2.00
<i>LAMB3</i>	NM_000228.2	NM_000228.2:695	Endogenous	46.36	1.96
<i>LAMB4</i>	NM_007356.2	NM_007356.2:2852	Endogenous	39.31	-1.92
<i>LAMC2</i>	NM_005562.2	NM_005562.2:2819	Endogenous	76.32	-1.97
<i>LAMC3</i>	NM_006059.3	NM_006059.3:2090	Endogenous	28.42	-1.02
<i>LAT</i>	NM_001014987.1	NM_001014987.1:1290	Endogenous	73.67	2.19
<i>LEF1</i>	NM_016269.3	NM_016269.3:1165	Endogenous	60.63	-4.94
<i>LEFTY1</i>	NM_020997.2	NM_020997.2:1405	Endogenous	35.94	-2.30
<i>LEFTY2</i>	NM_003240.2	NM_003240.2:1283	Endogenous	17.28	1.00
<i>LEP</i>	NM_000230.2	NM_000230.2:1875	Endogenous	49.52	-1.28
<i>LEPR</i>	NM_001003679.1	NM_001003679.1:2000	Endogenous	14.79	-1.50
<i>LFNG</i>	NM_001040168.1	NM_001040168.1:717	Endogenous	46.24	1.90
<i>LIF</i>	NM_002309.3	NM_002309.3:1240	Endogenous	23.76	1.48
<i>LIFR</i>	NM_002310.3	NM_002310.3:2995	Endogenous	146.58	23.01
<i>LIG4</i>	NM_002312.3	NM_002312.3:2623	Endogenous	10.42	1.39
<i>LRP2</i>	NM_004525.2	NM_004525.2:12505	Endogenous	13.63	-1.28
<i>LTBP1</i>	NM_000627.3	NM_000627.3:4124	Endogenous	40.27	-2.83
<i>MAD2L2</i>	NM_001127325.1	NM_001127325.1:290	Endogenous	12.67	-1.27
<i>MAML2</i>	NM_032427.1	NM_032427.1:4125	Endogenous	43.73	-2.69
<i>MAP2K1</i>	NM_002755.2	NM_002755.2:970	Endogenous	26.68	-1.77
<i>MAP2K2</i>	NM_030662.2	NM_030662.2:1325	Endogenous	16.08	1.15
<i>MAP2K4</i>	NM_003010.2	NM_003010.2:2830	Endogenous	6.30	1.15
<i>MAP2K6</i>	NM_002758.3	NM_002758.3:555	Endogenous	30.26	-2.26
<i>MAP3K1</i>	NM_005921.1	NM_005921.1:2525	Endogenous	38.06	2.20
<i>MAP3K12</i>	NM_006301.2	NM_006301.2:800	Endogenous	37.08	-2.30
<i>MAP3K13</i>	NM_004721.3	NM_004721.3:965	Endogenous	5.93	-1.14

MAP3K14	NM_003954.1	NM_003954.1:620	Endogenous	14.65	1.33
MAP3K5	NM_005923.3	NM_005923.3:2415	Endogenous	15.04	-1.12
MAP3K8	NM_005204.2	NM_005204.2:2050	Endogenous	27.03	-1.81
MAPK1	NM_138957.2	NM_138957.2:430	Endogenous	11.07	-1.36
MAPK10	NM_002753.2	NM_002753.2:2080	Endogenous	20.19	1.14
MAPK12	NM_002969.3	NM_002969.3:425	Endogenous	70.67	-8.06
MAPK3	NM_001040056.1	NM_001040056.1:580	Endogenous	33.61	-1.82
MAPK8	NM_002750.2	NM_002750.2:945	Endogenous	5.80	1.48
MAPK8IP1	NM_005456.2	NM_005456.2:259	Endogenous	24.19	-2.13
MAPK8IP2	NM_012324.2	NM_012324.2:1885	Endogenous	71.77	-4.98
MAPK9	NM_139068.2	NM_139068.2:365	Endogenous	4.62	-1.07
MAPT	NM_016834.3	NM_016834.3:1205	Endogenous	60.13	-2.56
MCM2	NM_004526.2	NM_004526.2:2945	Endogenous	15.56	-1.57
MCM4	NM_182746.1	NM_182746.1:1200	Endogenous	15.00	-1.64
MCM5	NM_006739.3	NM_006739.3:1580	Endogenous	11.86	-1.57
MCM7	NM_182776.1	NM_182776.1:1325	Endogenous	10.10	-1.11
MDC1	NM_014641.2	NM_014641.2:6719	Endogenous	11.93	-1.19
MDM2	NM_006878.2	NM_006878.2:280	Endogenous	20.60	1.50
MECOM	NM_005241.2	NM_005241.2:3355	Endogenous	102.62	5.27
MED12	NM_005120.2	NM_005120.2:375	Endogenous	8.21	1.04
MEN1	NM_130802.2	NM_130802.2:2480	Endogenous	18.82	-1.38
MET	NM_000245.2	NM_000245.2:405	Endogenous	16.17	-1.39
MFNG	NM_002405.2	NM_002405.2:1681	Endogenous	16.46	1.04
MGMT	NM_002412.3	NM_002412.3:323	Endogenous	35.37	1.57
MLF1	NM_022443.3	NM_022443.3:720	Endogenous	46.94	-1.28
MLH1	NM_000249.2	NM_000249.2:1605	Endogenous	23.43	1.29
MLLT3	NM_004529.2	NM_004529.2:1480	Endogenous	81.32	5.14
MLLT4	NM_005936.2	NM_005936.2:1560	Endogenous	38.37	-2.15
MMP3	NM_002422.3	NM_002422.3:25	Endogenous	60.13	-1.28
MMP7	NM_002423.3	NM_002423.3:311	Endogenous	48.03	1.12
MMP9	NM_004994.2	NM_004994.2:1530	Endogenous	49.58	1.88
MNAT1	NM_002431.2	NM_002431.2:975	Endogenous	26.15	-1.47
MPL	NM_005373.2	NM_005373.2:895	Endogenous	38.18	3.91
MPO	NM_000250.1	NM_000250.1:545	Endogenous	12.46	1.12
MRPS5	NM_031902.3	NM_031902.3:390	Housekeeping	21.80	-1.35
MSH2	NM_000251.1	NM_000251.1:2105	Endogenous	8.98	-1.04
MSH6	NM_000179.1	NM_000179.1:3525	Endogenous	11.90	-1.66
MTMR14	NM_022485.3	NM_022485.3:720	Housekeeping	8.90	1.02
MTOR	NM_004958.2	NM_004958.2:5095	Endogenous	7.05	1.02
MUTYH	NM_012222.2	NM_012222.2:412	Endogenous	44.41	-1.12

MYB	NM_005375.2	NM_005375.2:3145	Endogenous	30.60	1.03
MYC	NM_002467.3	NM_002467.3:1610	Endogenous	21.74	1.22
MYCN	NM_005378.4	NM_005378.4:1545	Endogenous	46.91	-2.53
MYD88	NM_002468.3	NM_002468.3:2145	Endogenous	44.00	1.71
NASP	NM_172164.1	NM_172164.1:2970	Endogenous	15.05	-1.15
NBN	NM_001024688.1	NM_001024688.1:1105	Endogenous	17.01	-1.47
NCOR1	NM_006311.3	NM_006311.3:1390	Endogenous	4.21	-1.09
NF1	NM_000267.2	NM_000267.2:1035	Endogenous	21.58	-1.44
NF2	NM_181828.2	NM_181828.2:455	Endogenous	6.04	1.08
NFATC1	NM_172389.1	NM_172389.1:1984	Endogenous	74.26	-3.84
NFE2L2	NM_006164.3	NM_006164.3:995	Endogenous	3.86	-1.07
NFKB1	NM_003998.2	NM_003998.2:1675	Endogenous	28.69	1.33
NFKBIA	NM_020529.1	NM_020529.1:945	Endogenous	43.15	-1.28
NFKBIZ	NM_001005474.1	NM_001005474.1:2030	Endogenous	59.73	1.92
NGF	NM_002506.2	NM_002506.2:100	Endogenous	40.28	-1.02
NGFR	NM_002507.1	NM_002507.1:2705	Endogenous	66.59	-12.48
NKD1	NM_033119.3	NM_033119.3:2325	Endogenous	53.66	1.79
NODAL	NM_018055.3	NM_018055.3:320	Endogenous	125.93	2.86
NOG	NM_005450.4	NM_005450.4:1543	Endogenous	41.00	-2.21
NOL7	NM_016167.3	NM_016167.3:335	Housekeeping	3.97	1.12
NOS3	NM_000603.4	NM_000603.4:1456	Endogenous	49.19	1.22
NOTCH1	NM_017617.3	NM_017617.3:735	Endogenous	12.84	1.25
NOTCH2	NM_024408.3	NM_024408.3:2842	Endogenous	12.79	1.46
NOTCH3	NM_000435.2	NM_000435.2:1965	Endogenous	32.27	-2.17
NPM1	NM_002520.5	NM_002520.5:10	Endogenous	20.06	-1.53
NPM2	NM_182795.1	NM_182795.1:745	Endogenous	72.34	-1.28
NR4A1	NM_173157.1	NM_173157.1:1575	Endogenous	31.69	-1.42
NR4A3	NM_173198.1	NM_173198.1:2590	Endogenous	34.78	1.56
NRAS	NM_002524.3	NM_002524.3:877	Endogenous	23.22	-1.57
NSD1	NM_022455.4	NM_022455.4:10655	Endogenous	14.59	1.43
NTF3	NM_002527.4	NM_002527.4:151	Endogenous	55.29	-1.28
NTHL1	NM_002528.5	NM_002528.5:476	Endogenous	4.70	1.03
NTRK1	NM_001012331.1	NM_001012331.1:1365	Endogenous	27.68	2.34
NTRK2	NM_001007097.1	NM_001007097.1:1605	Endogenous	32.58	1.56
NUBP1	NM_001278506.1	NM_001278506.1:304	Housekeeping	26.00	-2.00
NUMBL	NM_004756.3	NM_004756.3:591	Endogenous	17.05	1.31
NUPR1	NM_001042483.1	NM_001042483.1:829	Endogenous	77.65	-7.28
OSM	NM_020530.3	NM_020530.3:1662	Endogenous	46.95	1.25
PAK3	NM_002578.2	NM_002578.2:1830	Endogenous	77.09	4.69
PAK7	NM_177990.1	NM_177990.1:615	Endogenous	35.32	1.56

<i>PAX3</i>	NM_013942.3	NM_013942.3:705	Endogenous	89.21	-1.28
<i>PAX5</i>	NM_016734.1	NM_016734.1:2288	Endogenous	40.63	1.30
<i>PAX8</i>	NM_013953.3	NM_013953.3:3465	Endogenous	65.85	-2.56
<i>PBRM1</i>	NM_181042.3	NM_181042.3:6100	Endogenous	46.04	2.27
<i>PBX1</i>	NM_002585.2	NM_002585.2:368	Endogenous	9.57	-1.25
<i>PBX3</i>	NM_006195.5	NM_006195.5:2050	Endogenous	28.89	-2.37
<i>PCK1</i>	NM_002591.2	NM_002591.2:1870	Endogenous	25.94	-1.28
<i>PCNA</i>	NM_002592.2	NM_002592.2:280	Endogenous	21.27	1.02
<i>PDGFA</i>	NM_002607.5	NM_002607.5:2460	Endogenous	16.05	-1.08
<i>PDGFB</i>	NM_033016.2	NM_033016.2:1480	Endogenous	18.02	1.22
<i>PDGFC</i>	NM_016205.1	NM_016205.1:10	Endogenous	66.54	-5.44
<i>PDGFD</i>	NM_025208.4	NM_025208.4:1120	Endogenous	30.83	3.91
<i>PDGFRA</i>	NM_006206.3	NM_006206.3:1925	Endogenous	151.49	14.84
<i>PDGFRB</i>	NM_002609.3	NM_002609.3:840	Endogenous	36.47	-1.28
<i>PGF</i>	NM_002632.5	NM_002632.5:1047	Endogenous	20.91	-1.02
<i>PHF6</i>	NM_032335.3	NM_032335.3:85	Endogenous	9.86	-1.21
<i>PIAS1</i>	NM_016166.1	NM_016166.1:1870	Housekeeping	6.97	-1.11
<i>PIK3CA</i>	NM_006218.2	NM_006218.2:2445	Endogenous	42.94	-2.17
<i>PIK3CB</i>	NM_006219.1	NM_006219.1:2945	Endogenous	18.90	-1.39
<i>PIK3CD</i>	NM_005026.3	NM_005026.3:95	Endogenous	39.31	-1.76
<i>PIK3CG</i>	NM_002649.2	NM_002649.2:2125	Endogenous	29.62	-1.28
<i>PIK3R1</i>	NM_181504.2	NM_181504.2:1105	Endogenous	110.52	4.67
<i>PIK3R2</i>	NM_005027.2	NM_005027.2:3100	Endogenous	26.15	-1.26
<i>PIK3R3</i>	NM_003629.3	NM_003629.3:1800	Endogenous	15.63	-1.11
<i>PIK3R4</i>	NM_014602.1	NM_014602.1:3620	Housekeeping	9.54	-1.14
<i>PIK3R5</i>	NM_001142633.1	NM_001142633.1:3335	Endogenous	54.15	-4.16
<i>PIM1</i>	NM_002648.2	NM_002648.2:1630	Endogenous	34.70	-1.76
<i>PITX2</i>	NM_000325.5	NM_000325.5:1381	Endogenous	57.14	1.56
<i>PKMYT1</i>	NM_004203.3	NM_004203.3:780	Endogenous	1.39	1.12
<i>PLA1A</i>	NM_015900.2	NM_015900.2:1250	Endogenous	55.84	-1.92
<i>PLA2G10</i>	NM_003561.1	NM_003561.1:779	Endogenous	16.84	3.13
<i>PLA2G2A</i>	NM_000300.2	NM_000300.2:715	Endogenous	95.45	3.15
<i>PLA2G3</i>	NM_015715.3	NM_015715.3:2415	Endogenous	10.89	-1.14
<i>PLA2G4A</i>	NM_024420.2	NM_024420.2:1763	Endogenous	16.68	-1.54
<i>PLA2G4C</i>	NM_003706.2	NM_003706.2:2310	Endogenous	87.50	3.13
<i>PLA2G4E</i>	NM_001206670.1	NM_001206670.1:4174	Endogenous	9.59	3.13
<i>PLA2G4F</i>	NM_213600.2	NM_213600.2:3140	Endogenous	85.21	-5.76
<i>PLA2G5</i>	NM_000929.2	NM_000929.2:1375	Endogenous	45.92	-2.56
<i>PLAT</i>	NM_000931.2	NM_000931.2:1334	Endogenous	46.23	-3.47
<i>PLAU</i>	NM_002658.2	NM_002658.2:793	Endogenous	47.62	-2.13



<i>PLCB1</i>	NM_182734.1	NM_182734.1:170	Endogenous	21.04	-1.69
<i>PLCB4</i>	NM_000933.3	NM_000933.3:215	Endogenous	119.41	5.05
<i>PLCE1</i>	NM_001165979.1	NM_001165979.1:392	Endogenous	135.91	6.41
<i>PLCG2</i>	NM_002661.2	NM_002661.2:525	Endogenous	49.96	-2.45
<i>PLD1</i>	NM_002662.3	NM_002662.3:1265	Endogenous	59.40	-7.25
<i>PML</i>	NM_002675.3	NM_002675.3:281	Endogenous	15.16	-1.02
<i>POLB</i>	NM_002690.1	NM_002690.1:145	Endogenous	31.33	-1.90
<i>POLD1</i>	NM_002691.2	NM_002691.2:2392	Endogenous	20.75	1.29
<i>POLD4</i>	NM_021173.2	NM_021173.2:470	Endogenous	10.67	1.05
<i>POLE2</i>	NM_002692.2	NM_002692.2:1420	Endogenous	11.94	-1.04
<i>POLR2D</i>	NM_004805.3	NM_004805.3:1476	Endogenous	4.46	-1.06
<i>POLR2H</i>	NM_001278698.1	NM_001278698.1:940	Endogenous	18.36	-1.42
<i>POLR2J</i>	NM_006234.4	NM_006234.4:618	Endogenous	28.75	1.51
<i>PPARG</i>	NM_015869.3	NM_015869.3:1035	Endogenous	20.62	-1.74
<i>PPARGC1A</i>	NM_013261.3	NM_013261.3:1505	Endogenous	70.74	1.49
<i>PPP2CB</i>	NM_001009552.1	NM_001009552.1:1075	Endogenous	4.79	1.76
<i>PPP2R1A</i>	NM_014225.3	NM_014225.3:1440	Endogenous	19.12	1.25
<i>PPP2R2B</i>	NM_181676.2	NM_181676.2:690	Endogenous	35.32	1.56
<i>PPP2R2C</i>	NM_181876.2	NM_181876.2:2215	Endogenous	6.72	-1.60
<i>PPP3CA</i>	NM_000944.4	NM_000944.4:3920	Endogenous	25.21	-1.70
<i>PPP3CB</i>	NM_001142354.1	NM_001142354.1:1690	Endogenous	25.13	-1.05
<i>PPP3CC</i>	NM_005605.3	NM_005605.3:1460	Endogenous	13.83	1.10
<i>PPP3R1</i>	NM_000945.3	NM_000945.3:2385	Endogenous	9.74	-1.10
<i>PPP3R2</i>	NM_147180.2	NM_147180.2:1165	Endogenous	52.57	-3.84
<i>PRDM1</i>	NM_182907.1	NM_182907.1:310	Endogenous	28.14	-1.03
<i>PRKAA2</i>	NM_006252.2	NM_006252.2:975	Endogenous	9.30	3.91
<i>PRKACA</i>	NM_002730.3	NM_002730.3:400	Endogenous	11.92	-1.24
<i>PRKACB</i>	NM_182948.2	NM_182948.2:805	Endogenous	117.09	3.52
<i>PRKACG</i>	NM_002732.2	NM_002732.2:775	Endogenous	53.15	3.13
<i>PRKAR1B</i>	NM_001164759.1	NM_001164759.1:1112	Endogenous	20.95	1.31
<i>PRKAR2A</i>	NM_004157.2	NM_004157.2:1590	Endogenous	142.53	13.33
<i>PRKAR2B</i>	NM_002736.2	NM_002736.2:1350	Endogenous	19.83	-1.71
<i>PRKCA</i>	NM_002737.2	NM_002737.2:5560	Endogenous	28.68	2.41
<i>PRKCB</i>	NM_212535.1	NM_212535.1:1750	Endogenous	58.00	1.56
<i>PRKCG</i>	NM_002739.3	NM_002739.3:445	Endogenous	12.07	1.95
<i>PRKDC</i>	NM_006904.6	NM_006904.6:12750	Endogenous	16.99	-1.40
<i>PRKX</i>	NM_005044.1	NM_005044.1:2590	Endogenous	40.38	1.30
<i>PRL</i>	NM_000948.3	NM_000948.3:835	Endogenous	30.83	1.95
<i>PRLR</i>	NM_001204318.1	NM_001204318.1:563	Endogenous	52.42	1.12
<i>PRMT8</i>	NM_019854.3	NM_019854.3:1900	Endogenous	44.96	2.34

<i>PROM1</i>	NM_006017.1	NM_006017.1:925	Endogenous	63.88	-1.28
<i>PRPF38A</i>	NM_032864.3	NM_032864.3:335	Housekeeping	3.12	-1.01
<i>PTCH1</i>	NM_000264.3	NM_000264.3:5420	Endogenous	5.09	-1.11
<i>PTCRA</i>	NM_138296.2	NM_138296.2:507	Endogenous	23.28	-2.90
<i>PTEN</i>	NM_000314.3	NM_000314.3:1675	Endogenous	7.48	1.04
<i>PTPN11</i>	NM_002834.3	NM_002834.3:1480	Endogenous	5.40	-1.11
<i>PTPN5</i>	NM_001039970.1	NM_001039970.1:2354	Endogenous	69.87	3.91
<i>PTPRR</i>	NM_001207015.1	NM_001207015.1:1652	Endogenous	49.43	6.25
<i>PTTG2</i>	NM_006607.2	NM_006607.2:5	Endogenous	30.35	-2.20
<i>RAC1</i>	NM_198829.1	NM_198829.1:1250	Endogenous	25.50	-1.68
<i>RAC2</i>	NM_002872.3	NM_002872.3:1069	Endogenous	42.89	-2.42
<i>RAC3</i>	NM_005052.2	NM_005052.2:702	Endogenous	34.95	1.48
<i>RAD21</i>	NM_006265.2	NM_006265.2:1080	Endogenous	34.55	-2.02
<i>RAD50</i>	NM_005732.2	NM_005732.2:5397	Endogenous	13.96	1.10
<i>RAD51</i>	NM_133487.2	NM_133487.2:566	Endogenous	25.74	-1.80
<i>RAD52</i>	NM_134424.2	NM_134424.2:297	Endogenous	64.86	2.70
<i>RAF1</i>	NM_002880.2	NM_002880.2:1990	Endogenous	5.05	-1.13
<i>RASA4</i>	NM_001079877.2	NM_001079877.2:5330	Endogenous	60.41	-3.75
<i>RASAL1</i>	NM_004658.1	NM_004658.1:2900	Endogenous	81.96	6.88
<i>RASGRF1</i>	NM_153815.2	NM_153815.2:2443	Endogenous	82.79	-4.08
<i>RASGRF2</i>	NM_006909.1	NM_006909.1:2675	Endogenous	16.56	-3.84
<i>RASGRP1</i>	NM_005739.3	NM_005739.3:365	Endogenous	100.48	6.25
<i>RASGRP2</i>	NM_001098670.1	NM_001098670.1:1978	Endogenous	15.84	-2.19
<i>RB1</i>	NM_000321.1	NM_000321.1:2110	Endogenous	12.35	1.11
<i>RBM45</i>	NM_152945.2	NM_152945.2:1080	Housekeeping	21.12	2.14
<i>RBX1</i>	NM_014248.2	NM_014248.2:162	Endogenous	17.08	-1.55
<i>RELA</i>	NM_021975.3	NM_021975.3:1990	Endogenous	30.50	-1.37
<i>RELN</i>	NM_005045.2	NM_005045.2:345	Endogenous	49.52	-1.28
<i>RET</i>	NM_020630.4	NM_020630.4:2911	Endogenous	32.98	1.04
<i>RFC3</i>	NM_002915.3	NM_002915.3:740	Endogenous	36.22	1.41
<i>RFC4</i>	NM_181573.2	NM_181573.2:1035	Endogenous	36.39	-2.15
<i>RHOA</i>	NM_001664.2	NM_001664.2:1230	Endogenous	36.75	1.55
<i>RIN1</i>	NM_004292.2	NM_004292.2:2572	Endogenous	40.17	-2.96
<i>RNF43</i>	NM_017763.4	NM_017763.4:725	Endogenous	26.49	1.32
<i>RPA3</i>	NM_002947.3	NM_002947.3:990	Endogenous	15.56	-1.28
<i>RPS27A</i>	NM_002954.5	NM_002954.5:650	Endogenous	5.74	-1.09
<i>RPS6KA5</i>	NM_004755.2	NM_004755.2:855	Endogenous	42.65	-1.92
<i>RPS6KA6</i>	NM_014496.1	NM_014496.1:2250	Endogenous	51.60	-1.60
<i>RRAS2</i>	NM_001102669.2	NM_001102669.2:1785	Endogenous	80.25	3.43
<i>RUNX1</i>	NM_001754.4	NM_001754.4:635	Endogenous	33.46	2.51

<i>RUNX1T1</i>	NM_004349.2	NM_004349.2:1085	Endogenous	37.89	1.56
<i>RXRG</i>	NM_006917.3	NM_006917.3:1105	Endogenous	71.28	-1.28
<i>SAP130</i>	NM_024545.3	NM_024545.3:3090	Housekeeping	12.66	-1.08
<i>SETBP1</i>	NM_015559.2	NM_015559.2:704	Endogenous	49.52	-1.28
<i>SETD2</i>	NM_014159.6	NM_014159.6:6160	Endogenous	44.88	2.02
<i>SF3A3</i>	NM_006802.2	NM_006802.2:2060	Housekeeping	7.66	-1.14
<i>SF3B1</i>	NM_001005526.1	NM_001005526.1:0	Endogenous	10.22	-1.15
<i>SFN</i>	NM_006142.3	NM_006142.3:579	Endogenous	27.53	-1.52
<i>SFRP1</i>	NM_003012.3	NM_003012.3:3320	Endogenous	63.51	1.09
<i>SFRP2</i>	NM_003013.2	NM_003013.2:840	Endogenous	10.12	-1.28
<i>SFRP4</i>	NM_003014.2	NM_003014.2:1060	Endogenous	42.13	-2.56
<i>SGK2</i>	NM_170693.1	NM_170693.1:1485	Endogenous	42.49	-1.61
<i>SHC1</i>	NM_183001.4	NM_183001.4:3355	Endogenous	21.18	-1.28
<i>SHC2</i>	NM_012435.2	NM_012435.2:698	Endogenous	122.08	8.13
<i>SHC3</i>	NM_016848.5	NM_016848.5:6155	Endogenous	20.19	1.56
<i>SHC4</i>	NM_203349.2	NM_203349.2:1570	Endogenous	12.53	-2.24
<i>SIN3A</i>	NM_015477.1	NM_015477.1:1605	Endogenous	28.59	-1.83
<i>SIRT4</i>	NM_012240.1	NM_012240.1:915	Endogenous	45.80	-2.29
<i>SIX1</i>	NM_005982.3	NM_005982.3:25	Endogenous	47.46	-1.28
<i>SKP1</i>	NM_170679.2	NM_170679.2:630	Endogenous	7.80	-1.20
<i>SKP2</i>	NM_005983.2	NM_005983.2:615	Endogenous	17.08	1.21
<i>SLC4A1AP</i>	NM_018158.2	NM_018158.2:980	Housekeeping	19.54	-1.24
<i>SMAD2</i>	NM_001003652.1	NM_001003652.1:4500	Endogenous	25.46	1.04
<i>SMAD3</i>	NM_005902.3	NM_005902.3:4220	Endogenous	19.33	-1.65
<i>SMAD4</i>	NM_005359.3	NM_005359.3:1370	Endogenous	7.55	1.13
<i>SMAD9</i>	NM_005905.2	NM_005905.2:1595	Endogenous	86.94	-9.60
<i>SMARCA4</i>	NM_003072.3	NM_003072.3:5400	Endogenous	22.01	-1.65
<i>SMARCB1</i>	NM_003073.3	NM_003073.3:1060	Endogenous	15.04	-1.01
<i>SMC1A</i>	NM_006306.2	NM_006306.2:2320	Endogenous	24.24	1.13
<i>SMC1B</i>	NM_148674.3	NM_148674.3:3600	Endogenous	13.80	1.17
<i>SMC3</i>	NM_005445.3	NM_005445.3:3525	Endogenous	23.80	-1.72
<i>SMO</i>	NM_005631.3	NM_005631.3:1615	Endogenous	20.04	-1.76
<i>SOCS1</i>	NM_003745.1	NM_003745.1:1025	Endogenous	67.32	-3.15
<i>SOCS2</i>	NM_003877.3	NM_003877.3:1020	Endogenous	149.70	19.89
<i>SOCS3</i>	NM_003955.3	NM_003955.3:1870	Endogenous	51.48	2.51
<i>SOS1</i>	NM_005633.2	NM_005633.2:1635	Endogenous	15.57	-1.52
<i>SOS2</i>	NM_006939.2	NM_006939.2:3845	Endogenous	11.84	-1.54
<i>SOST</i>	NM_025237.2	NM_025237.2:980	Endogenous	29.47	1.17
<i>SOX17</i>	NM_022454.3	NM_022454.3:1374	Endogenous	18.60	-1.65
<i>SOX9</i>	NM_000346.2	NM_000346.2:2135	Endogenous	11.57	1.12

<i>SP1</i>	NM_003109.1	NM_003109.1:5970	Endogenous	17.20	-1.60
<i>SPOP</i>	NM_001007226.1	NM_001007226.1:2726	Endogenous	15.64	-1.05
<i>SPP1</i>	NM_000582.2	NM_000582.2:760	Endogenous	10.40	-1.46
<i>SPRY1</i>	NM_005841.1	NM_005841.1:810	Endogenous	31.56	-1.47
<i>SPRY2</i>	NM_005842.2	NM_005842.2:85	Endogenous	50.53	1.85
<i>SPRY4</i>	NM_030964.3	NM_030964.3:1900	Endogenous	12.31	-1.49
<i>SRSF2</i>	NM_003016.3	NM_003016.3:312	Endogenous	35.96	1.63
<i>SSX1</i>	NM_005635.2	NM_005635.2:148	Endogenous	27.19	-1.60
<i>STAG2</i>	NM_001042749.1	NM_001042749.1:4040	Endogenous	9.01	-1.03
<i>STAT1</i>	NM_007315.2	NM_007315.2:205	Endogenous	20.95	1.16
<i>STAT3</i>	NM_139276.2	NM_139276.2:4535	Endogenous	37.63	1.85
<i>STAT4</i>	NM_003151.2	NM_003151.2:789	Endogenous	32.72	-1.28
<i>STK11</i>	NM_000455.4	NM_000455.4:2060	Endogenous	28.03	1.33
<i>STMN1</i>	NM_203401.1	NM_203401.1:478	Endogenous	19.22	-1.93
<i>SUV39H2</i>	NM_024670.3	NM_024670.3:2035	Endogenous	2.37	1.08
<i>SYK</i>	NM_003177.3	NM_003177.3:1685	Endogenous	56.66	2.23
<i>TBL1XR1</i>	NM_024665.4	NM_024665.4:915	Endogenous	14.98	-1.38
<i>TCF3</i>	NM_003200.2	NM_003200.2:4325	Endogenous	50.07	1.63
<i>TCF7L1</i>	NM_031283.1	NM_031283.1:2215	Endogenous	28.76	-1.02
<i>TCL1B</i>	NM_004918.2	NM_004918.2:319	Endogenous	29.47	1.17
<i>TET2</i>	NM_001127208.2	NM_001127208.2:2882	Endogenous	13.97	1.08
<i>TFDP1</i>	NM_007111.4	NM_007111.4:1826	Endogenous	45.33	1.58
<i>TGFB1</i>	NM_000660.3	NM_000660.3:1260	Endogenous	19.47	1.44
<i>TGFB2</i>	NM_003238.2	NM_003238.2:1125	Endogenous	23.40	-1.79
<i>TGFB3</i>	NM_003239.2	NM_003239.2:2825	Endogenous	19.16	1.17
<i>TGFB2</i>	NM_001024847.1	NM_001024847.1:1760	Endogenous	13.57	-1.29
<i>THBS1</i>	NM_003246.2	NM_003246.2:3465	Endogenous	96.32	7.06
<i>THBS4</i>	NM_003248.3	NM_003248.3:985	Endogenous	57.84	-3.84
<i>THEM4</i>	NM_053055.4	NM_053055.4:764	Endogenous	59.76	2.34
<i>TIAM1</i>	NM_003253.2	NM_003253.2:5620	Endogenous	34.70	-1.85
<i>TLK2</i>	NM_006852.2	NM_006852.2:2335	Housekeeping	5.77	1.08
<i>TLR2</i>	NM_003264.3	NM_003264.3:180	Endogenous	61.64	-1.02
<i>TLR4</i>	NM_138554.2	NM_138554.2:2570	Endogenous	141.52	12.76
<i>TLX1</i>	NM_005521.3	NM_005521.3:1915	Endogenous	48.22	-1.60
<i>TMPRSS2</i>	NM_005656.2	NM_005656.2:1290	Endogenous	131.43	6.29
<i>TMUB2</i>	NM_024107.2	NM_024107.2:1485	Housekeeping	13.07	-1.23
<i>TNC</i>	NM_002160.3	NM_002160.3:4	Endogenous	22.28	1.38
<i>TNF</i>	NM_000594.2	NM_000594.2:1010	Endogenous	112.83	-3.84
<i>TNFAIP3</i>	NM_006290.2	NM_006290.2:260	Endogenous	65.20	-1.38
<i>TNFRSF10A</i>	NM_003844.2	NM_003844.2:950	Endogenous	24.19	1.64

<i>TNFRSF10B</i>	NM_003842.3	NM_003842.3:565	Endogenous	22.46	-1.09
<i>TNFRSF10C</i>	NM_003841.2	NM_003841.2:5	Endogenous	31.97	-2.38
<i>TNFRSF10D</i>	NM_003840.3	NM_003840.3:2380	Endogenous	27.25	1.21
<i>TNFSF10</i>	NM_003810.2	NM_003810.2:115	Endogenous	69.20	-4.27
<i>TNN</i>	NM_022093.1	NM_022093.1:3580	Endogenous	46.10	3.13
<i>TNR</i>	NM_003285.2	NM_003285.2:3154	Endogenous	12.46	-1.02
<i>TP53</i>	NM_000546.2	NM_000546.2:1330	Endogenous	17.02	-1.87
<i>TPO</i>	NM_175722.1	NM_175722.1:2400	Endogenous	101.14	3.13
<i>TRAF7</i>	NM_032271.2	NM_032271.2:1105	Endogenous	12.92	-1.40
<i>TRIM39</i>	NM_021253.3	NM_021253.3:3140	Housekeeping	20.33	1.26
<i>TSC1</i>	NM_000368.3	NM_000368.3:100	Endogenous	12.09	1.07
<i>TSHR</i>	NM_001018036.2	NM_001018036.2:735	Endogenous	30.84	1.95
<i>TSLP</i>	NM_033035.4	NM_033035.4:899	Endogenous	41.18	1.56
<i>TPAN7</i>	NM_004615.3	NM_004615.3:725	Endogenous	54.97	2.34
<i>TTC31</i>	NR_027749.1	NR_027749.1:2720	Housekeeping	23.51	-1.54
<i>TTK</i>	NM_003318.3	NM_003318.3:1200	Endogenous	13.80	-1.50
<i>U2AF1</i>	NM_001025203.1	NM_001025203.1:400	Endogenous	7.93	-1.10
<i>UBB</i>	NM_018955.2	NM_018955.2:15	Endogenous	15.43	1.24
<i>UBE2T</i>	NM_014176.3	NM_014176.3:595	Endogenous	4.41	-1.47
<i>USP39</i>	NM_001256725.1	NM_001256725.1:806	Housekeeping	15.25	-1.28
<i>UTY</i>	NM_007125.3	NM_007125.3:450	Endogenous	39.31	-1.92
<i>VEGFA</i>	NM_001025366.1	NM_001025366.1:1325	Endogenous	28.54	-1.48
<i>VEGFC</i>	NM_005429.2	NM_005429.2:565	Endogenous	72.35	-1.28
<i>VHL</i>	NM_000551.2	NM_000551.2:1280	Endogenous	8.40	1.14
<i>VPS33B</i>	NM_018668.3	NM_018668.3:2140	Housekeeping	17.32	-1.61
<i>WEE1</i>	NM_003390.3	NM_003390.3:1225	Endogenous	17.57	-1.79
<i>WHSC1</i>	NM_007331.1	NM_007331.1:1260	Endogenous	16.68	-1.57
<i>WHSC1L1</i>	NM_017778.2	NM_017778.2:485	Endogenous	20.90	-1.50
<i>WIF1</i>	NM_007191.2	NM_007191.2:765	Endogenous	85.05	1.56
<i>WNT10A</i>	NM_025216.2	NM_025216.2:2255	Endogenous	31.41	-1.73
<i>WNT10B</i>	NM_003394.2	NM_003394.2:2070	Endogenous	50.71	2.29
<i>WNT11</i>	NM_004626.2	NM_004626.2:960	Endogenous	63.46	-5.28
<i>WNT16</i>	NM_057168.1	NM_057168.1:1621	Endogenous	19.31	-2.56
<i>WNT2</i>	NM_003391.2	NM_003391.2:2014	Endogenous	21.35	-1.28
<i>WNT2B</i>	NM_024494.1	NM_024494.1:1530	Endogenous	47.62	-3.52
<i>WNT3</i>	NM_030753.3	NM_030753.3:1335	Endogenous	22.77	1.06
<i>WNT4</i>	NM_030761.3	NM_030761.3:625	Endogenous	52.42	-4.48
<i>WNT5A</i>	NM_003392.3	NM_003392.3:475	Endogenous	19.83	2.34
<i>WNT5B</i>	NM_032642.2	NM_032642.2:1745	Endogenous	135.27	10.00
<i>WNT6</i>	NM_006522.3	NM_006522.3:1200	Endogenous	29.04	1.30

<i>WNT7A</i>	NM_004625.3	NM_004625.3:325	Endogenous	18.15	1.41
<i>WNT7B</i>	NM_058238.1	NM_058238.1:1535	Endogenous	53.07	-3.98
<i>WT1</i>	NM_000378.3	NM_000378.3:2160	Endogenous	72.97	4.69
<i>XPA</i>	NM_000380.3	NM_000380.3:265	Endogenous	5.02	-1.09
<i>XRCC4</i>	NM_003401.3	NM_003401.3:772	Endogenous	19.04	1.26
<i>ZAK</i>	NM_016653.2	NM_016653.2:995	Endogenous	9.59	-1.24
<i>ZBTB16</i>	NM_006006.4	NM_006006.4:1585	Endogenous	48.76	-1.28
<i>ZBTB32</i>	NM_014383.1	NM_014383.1:1620	Endogenous	56.97	1.04
<i>ZC3H14</i>	NM_001160103.1	NM_001160103.1:2690	Housekeeping	68.05	2.60
<i>ZIC2</i>	NM_007129.2	NM_007129.2:1849	Endogenous	50.32	-3.84
<i>ZKSCAN5</i>	NM_014569.3	NM_014569.3:3688	Housekeeping	9.88	1.14
<i>ZNF143</i>	NM_003442.5	NM_003442.5:925	Housekeeping	6.61	-1.15
<i>ZNF346</i>	NM_012279.2	NM_012279.2:2260	Housekeeping	21.09	1.78
<i>ZNF384</i>	NM_133476.3	NM_133476.3:300	Housekeeping	8.73	1.46

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