Additional File 4

Gene Symbol	Description	HL-60			BV173	
		p-value	FC	Regulation	p-value	FC
APOC1	Apolipoprotein	0.012247	2.069592	Down	1.02E-04	2.052599
ARHGAP26	Rho GTPase Activating Protein 26	0.039891	2.004552	Down	2.51E-04	2.849479
ARID5B	AT Rich Interactive Domain 5B	0.0139	2.075806	Down	1.40E-04	2.124247
C10orf10	Chromosome 10 Open Reading Frame 10	0.001767	3.718238	Down	7.49E-04	2.91814
CCNE2	Cyclin E2	0.009159	5.861723	Down	3.88E-04	2.821386
CD24	CD24 Molecule	7.43E-04	2.305347	Down	1.01E-04	2.24869
CDK6	Cyclin-Dependent Kinase 6	0.006042	2.1160216	Down	3.88E-04	2.224647
CDKN1A	Cyclin-dependent Kinase Inhibitor 1A	0.044878	3.77062	Up	1.54E-05	5.14529
CDKN2A	Cyclin-dependent Kinase Inhibitor 2A	0.007017	2.224852	Up	0.008278	3.622785
COL6A3	Collagen, Type VI, Alpha 3	0.038645	2.520796	Down	0.0057	2.585329
DBF4	DBF4 Zinc Finger	0.021621	2.032663	Down	4.05E-04	2.068093
DCN	Decorin	0.003694	7.1031585	Up	8.26E-06	284.8601
DKK1	Dickkopf WNT Signalling Pathway Inhibitor 1	0.023967	11.70656	Up	2.70E-06	173.1409
EMP1	Epithelial Membrane Protein 1	0.009287	19.33133	Down	4.84E-04	2.897823
FOSL1	FOS-Like Antigen 1	0.006127	2.027862	Up	2.21E-04	21.28632
FSTL1	Follistatin-Like 1	0.024265	17.09404	Up	1.42E-06	525.1538
G0S2	G0/G1 Switch 2	0.027413	4.75874	Up	6.22E-06	117.6405
H19	H19, Imprinted Maternally Expressed Transcript	0.00406	3.324273	Up	0.00156	18.3813
HNMT	Histamine N-Methyltransferase	0.013053	4.513328	Up	0.001058	7.943503
IQSEC2	IQ Motif And Sec7 Domain 2	0.009979	2.135217	Up	0.006814	2.649444
KIF9	Kinesin Family Member 9	0.033441	2.176375	Down	5.52E-04	5.54473
LY6K	Lymphocyte Antigen 6 Complex, Locus K	0.010002	2.08141	Up	5.86E-05	40.33199
MDM2	MDM2 Proto-Oncogene	0.010443	9.355383	Down	3.05E-05	4.118405
MYBL2	V-Myb Avian Myeloblastosis Viral Oncogene Homolog-Like 2	0.001251	13.94783	Down	4.39E-04	2.52359
NDN	Necdin, Melanoma Antigen	0.017968	11.10179	Up	1.35E-04	25.55526
PCBP4	Poly(Rc) Binding Protein 4	0.046992	28.38513	Up	3.40E-04	4.57452
PHACTR1	Phosphatase And Actin Regulator 1	0.04762	2.756897	Up	0.011246	3.171564

PSME3	Proteasome Activator Subunit 3	0.036976	2.212246	Down	0.00108	2.172164
PTPRC	Protein Tyrosine Phosphatase, Receptor Type, C	0.023173	2.047908	Up	0.001778	7.175942
SARDH	Sarcosine Dehydrogenase	0.0012	21.37436	Up	0.00327	4.429544
SPTB	Spectrin, Beta, Erythrocytic	0.016268	2.480139	Down	0.001151	2.948964
THY1	Thy-1 Cell Surface Antigen	0.021774	56.31405	Up	5.58E-07	7120.194
XLOC_006291	BROAD Institute Lincrna	0.006049	2.629545	Down	4.12E-04	2.117036
XLOC_014512	BROAD Institute Lincrna	0.026491	2.170975	Up	2.06E-05	67.44138
ZBTB46	Zinc Finger And BTB Domain Containing 46	0.03537	2.038602	Up	0.002101	2.538636

The microarray results show that 502 and 3019 DEGs were dysregulated in HL-60 and BV173 cell line, respectively. Further analysis indicated that HL-60 and BV173 cells share 35 DEGs with the same direction of expression but with different levels of expression. The 35 up and down-regulated genes in HL-60 and BV173 cells were listed by using Microsoft Office Excel.