

Table S6. Expression levels of 38 genes in bone marrow from MDS patients.

Gene Name	Patients (2- $\Delta\Delta CT$)			
	1	2	3	4
TUBB3	2.11	1.14	0.65	1.53
SHH	0.62	0.64	0.45	0.07
AMER1	0.44	0.94	0.61	0.86
LMX1B	0.80	1.37	0.63	0.56
GFI1	1.27	1.84	0.92	0.77
IL12B	1.58	1.32	0.85	0.75
ETS1	1.66	0.70	0.66	0.83
HSPA2	1.07	0.56	0.99	0.81
RELN	0.17	1.49	0.42	0.62
AKT3	15.94	1.95	4.98	98.37
STAT3	1.62	1.08	0.82	4.24
ID2	1.05	0.96	0.87	1.20
CDKN2A	1.00	0.52	0.66	0.68
GNA11	0.68	0.83	0.87	0.58
BCL2	1.28	0.90	1.35	0.61
ID1	1.17	1.33	0.52	0.55
MAPK10	1.28	0.97	0.92	0.60
KMT2E	0.40	1.13	0.40	0.64
DLC1	1.13	1.03	0.73	0.72
PRKAA2	1.08	1.26	1.28	0.80
SPP1	0.67	1.03	0.83	0.43
CDKN2D	1.12	0.58	0.97	5.25
DNMT1	0.52	1.15	0.53	0.8
NOTCH1	2.76	0.70	1.09	1.63
ITGA9	0.39	1.86	0.32	0.79
FGF11	0.18	1.03	0.20	0.19
KL	0.73	1.04	0.85	0.57
MET	1.52	1.67	1.14	0.86
CR1	2.44	0.99	0.75	1.53
CDKN1A	1.10	0.91	0.95	0.95
TNFRSF10B	0.13	1.28	0.12	0.17
NFKB1	2.12	1.98	1.41	1.34
FOS	10.82	0.89	4.51	9.05
MLF1	1.33	1.48	0.88	0.79
BCL2A1	1.04	1.09	1.02	0.80
RUNX1T1	0.98	1.15	0.93	0.90
EGF	1.79	1.58	3.20	2.61
LIG4	1.10	0.98	0.85	0.62

All expression were performed in triplicate, and value are significant at the $p < 0.05$ level.