Gene Symbol	Entrex Gene ID	Assay Name	Delta Gene Assay ID
ACTB	60	ACTB_55733_i2	GEP00055733
AKT1	207	AKT1_56318_i6	GEP00056318
AKT2	208	AKT2_12963_i9	GEP00012963
AKT3	10000	AKT3_12964_i8	GEA00012964
AR	367	AR_56321_i3	GEP00056321
ARNT	405	ARNT_62415_i11	GEP00062415
ATF1	466	ATF1_13524_i2	GEA00013524
ATF2	1386	ATF2_56453_i0	GEP00056453
ATF3	467	ATF3_57695_l1	GEP00057695
ATF4	468	ATF4_59442_i0	GEP00059442
ATG13	9776	ATG13_31663_i3	GEA00031663
AXL	558	Axl_32783_i12	GEA00032783
BCL2L11	10018	BCL2L11_60608_e1	GEP00060608
BRAF	673	Braf_12403_i7	GEA00012403
CCND1	595	CCND1_55725_i1	GEP00055725
CDH2	1000	CDH2_56054_i2	GEP00056054
CDKN1B	1027	CDKN1B_56333_i0	GEP00056333
CEBPA	1050	CEBPA_55194_e0	GEP00055194
CEBPB	1051	CEBPB_12385_e0	GEA00012385
CREB1	1385	CREB1_13568_i4	GEA00013568
CREBBP	1387	CREBBP_12187_i4	GEA00012187
CTNNB1	1499	CTNNB1_55724_i6	GEP00055724
DR1	1810	DR1_13588_i0	GEA00013588
E2F1	1869	E2F1_12379_i2	GEA00012379
E2F6	1876	E2F6_62414_i7	GEP00062414
EGFR	1956	EGFR_55803_i3	GEP00055803
EGR1	1958	EGR1_56431_i0	GEP00056431
ELK1	2002	ELK1_59688_i2	GEP00059688
ERBB2	2064	ERBB2_6261_i10	GEA00006261
ERBB3	2065	ERBB3_55836_i1	GEP00055836
ETS1	2113	ETS1_12481_i6	GEA00012481
ETS2	2114	ETS2_57383_i2	GEP00057383
FCGR1A	2209	FCGR1A_62412_e2	GEP00062412
FN1	2335	FN1_7778_i3	GEA00007778
FOS	2353	FOS_56350_i0	GEP00056350
FOXO1	2308	FOXO1_13606_i1	GEA00013606
FOXO3	2309	FOXO3_61220_e0	GEP00061220
GAPDH	2597	GAPDH_55153_i3	GEP00055153
HADHA	3030	HADHA_62416_i15	GEP00062416
HDAC1	3065	HDAC1_55867_i10	GEP00055867
HIF1A	3091	HIF1A_12495_i5	GEA00012495
HSF1	3297	HSF1_13655_i8	GEA00013655
ID1	3397	ID1_13663_e0	GEA00013663
IRF1	3659	IRF1_13682_i2	GEA00013682

Gene Symbol	Entrex Gene ID	Assay Name	Delta Gene Assay ID
ITGA5	3678	ITGA5_32624_i3	GEA00032624
ITGAV	3685	ITGAV_13692_i17	GEA00013692
ITGB1	3688	ITGB1_56418_i2	GEP00056418
ITGB3	3690	ITGB3_29570_i5	GEA00029570
JUN	3725	JUN_12227_e0	GEA00012227
LDHA	3939	LDHA_55719_i3	GEP00055719
MAP2K1	5604	MAP2K1_13044_i4	GEA00013044
MAP2K2	5605	MAP2K2_13045_i7	GEA00013045
MAPK1	5594	MAPK1_12736_i3	GEA00012736
MAPK3	5595	MAPK3_60769_e1	GEP00060769
MCL1	4170	MCL1_13705_e2	GEA00013705
MET	4233	MET_55841_i11	GEP00055841
MITF	4286	MITF_61019_i2	GEP00061019
MYC	4609	MYC_51751_i1	GEA00051751
NFKB1	4790	NFKB1_56435_i4	GEP00056435
ORMDL1	94101	ORMDL1_18687_i1	GEA00018687
PIK3CA	5290	PIK3CA_56385_i17	GEP00056385
PPRA	5465	PPARA_57488_i4	GEP00057488
PTEN	5728	PTEN_56392_i0	GEP00056392
PXN	5829	PXN_27275_i4	GEA00027275
RAF1	5894	Raf1_57658_i1	GEP00057658
RB1	5925	RB1_55727_i15	GEP00055727
REL	5966	REL_59441_i4	GEP00059441
RELA	5970	RELA_56472_i6	GEP00056472
RELB	5971	RELB_13772_i6	GEA00013772
RPP21	79897	RPP21_62413_i2	GEP00062413
SMAD1	4086	SMAD1_56642_i1	GEP00056642
SMAD4	4089	SMAD4_56993_i6	GEP00056993
SMAD5	4090	SMAD5_12567_i6	GEA00012567
SMAD9	4093	SMAD9_12574_i4	GEA00012574
SP1	6667	SP1_56643_i4	GEP00056643
SP3	6670	SP3_13792_i3	GEA00013792
SRF	6722	SRF_23819_i4	GEA00023819
STAT1	6772	STAT1_56036_i14	GEP00056036
STAT2	6773	STAT2_57379_i7	GEP00057379
STAT3	6774	STAT3_12324_i22	GEA00012324
STAT5B	6777	STAT5B_13092_i3	GEA00013092
STAT6	6778	STAT6_12572_i12	GEA00012572
T53	7157	TP53_56655_i6	GEP00056655
UBE2K	3093	UBE2K_21521_i3	GEA00021521
ULK1	8408	ULK1_60547_i24	GEP00060547
VIM	7431	VIM_7475_i5	GEA00007475
WEE1	7465	Wee1_59903_i7	GEP00059903
XIAP	331	XIAP_61874_i1	GEP00061874

Supplemental Table 1. Delta Gene Assays used for gene expression analysis of single cells with Fluidigm BioMark HD.

Sample	# of Cells	State 1	State 2	State 3	State 4
WM164	73	66	5	0	2
WM164R	78	3	64	3	8
1205Lu	71	0	36	35	0
1205LuR	70	0	4	66	0
Total	292	69	109	104	10

Supplemental Table 2. Distribution of cells among transcriptional states in melanoma cell lines.

Sample	Number of Cells Analyzed	Number of Genes Analyzed	Total Data Points
WM164	73	88	6424
WM164R	78	88	6864
1205Lu	71	88	6248
1205LuR	70	88	6160
Total	**292**	**88**	**25696**

Supplemental Table 3. Single cell gene expression data statistics.

Cell Line	Average Doubling Time (Days)	Standard Deviation	Lower 95% CI of Mean	Upper 95% CI of Mean
WM164	0.98	0.11	0.69	1.26
WM164R	2.13	1.23	-0.93	5.19
1205Lu	1.18	0.20	0.69	1.68
1205LuR	1.32	0.25	0.71	1.93

Supplemental Table 4. Fitness of melanoma cell lines as determined growth rates in the absence of BRAF inhibitor. WM164 and 1205Lu and their drug-resistant (R) counterparts were grown in the absence drug for 4 days and the growth rates measured by cell counting.