

Supplementary Table 2: Top 50 regulated mRNAs in MEK inhibitor most sensitive cell lines

Downregulated genes				
Probesets	EntrezGene ID	Gene Symbol	Corrected p-value	Fold change
201694_s_at	1958	EGR1	6.03E-03	-3.46
205364_at	8309	ACOX2	9.91E-03	-3.28
205085_at	4998	ORC1L	6.03E-03	-2.90
221521_s_at	51659	GIN52	6.03E-03	-2.83
209189_at	2353	FOS	9.91E-03	-2.81
222037_at	4173	MCM4	6.03E-03	-2.80
213338_at	25907	TMEM158	9.91E-03	-2.79
211343_s_at	1305	COL13A1	6.03E-03	-2.63
207526_s_at	9173	IL1RL1	3.21E-02	-2.51
220085_at	3070	HELLS	6.03E-03	-2.48
220651_s_at	55388	MCM10	6.03E-03	-2.46
205034_at	9134	CCNE2	6.03E-03	-2.43
207768_at	1961	EGR4	9.91E-03	-2.40
212949_at	23397	NCAPH	1.36E-02	-2.33
217684_at	7298	TYMS	3.77E-02	-2.20
202345_s_at	2171	FABP5 /// FABP5L2 /// FABP5L7	6.03E-03	-2.12
204958_at	1263	PLK3	9.91E-03	-2.10
205345_at	580	BARD1	2.65E-02	-2.08
204444_at	3832	KIF11	1.70E-02	-2.06
205449_at	29901	SAC3D1	4.79E-02	-2.05
221489_s_at	81848	SPRY4	9.91E-03	-2.03
216957_at	23326	USP22	9.91E-03	-2.02
218602_s_at	54801	FAM29A	6.03E-03	-2.00
201755_at	4174	MCM5	1.36E-02	-1.99
219361_s_at	64782	AEN	6.03E-03	-1.98
Upregulated Genes				
219415_at	57348	TTYH1	6.03E-03	2.14
220540_at	60598	KCNK15	9.91E-03	2.14
222315_at		LOC100510224	4.79E-02	2.14
211559_s_at	901	CCNG2	6.03E-03	2.21
204802_at	6236	RRAD	1.36E-02	2.24
201510_at	1999	ELF3	1.36E-02	2.25
204940_at	5350	PLN	4.30E-02	2.27
210778_s_at	100616358	MXD4	2.03E-02	2.28
39248_at	360	AQP3	6.03E-03	2.28
207757_at	80108	ZFP2	6.03E-03	2.30
209800_at	3868	KRT16	3.77E-02	2.32

211331_x_at	3077	HFE	2.34E-02	2.37
208606_s_at	54361	WNT4	1.70E-02	2.39
209930_s_at	4778	NFE2	3.21E-02	2.39
210827_s_at	1999	ELF3	9.91E-03	2.42
38241_at	10384	BTN3A3	9.91E-03	2.42
219684_at	64108	RTP4	4.03E-02	2.47
210205_at	8705	B3GALT4	9.91E-03	2.52
220442_at	100528030	GALNT4 /// WDR51B	6.03E-03	2.53
219807_x_at	53916	RAB4B	6.03E-03	2.64
218832_x_at	408	ARRB1	2.03E-02	2.67
202687_s_at	8743	TNFSF10	6.03E-03	2.71
214329_x_at	8743	TNFSF10	6.03E-03	2.72
221756_at	113791	PIK3IP1	9.91E-03	2.89
219768_at	79679	VTCN1	9.91E-03	2.93