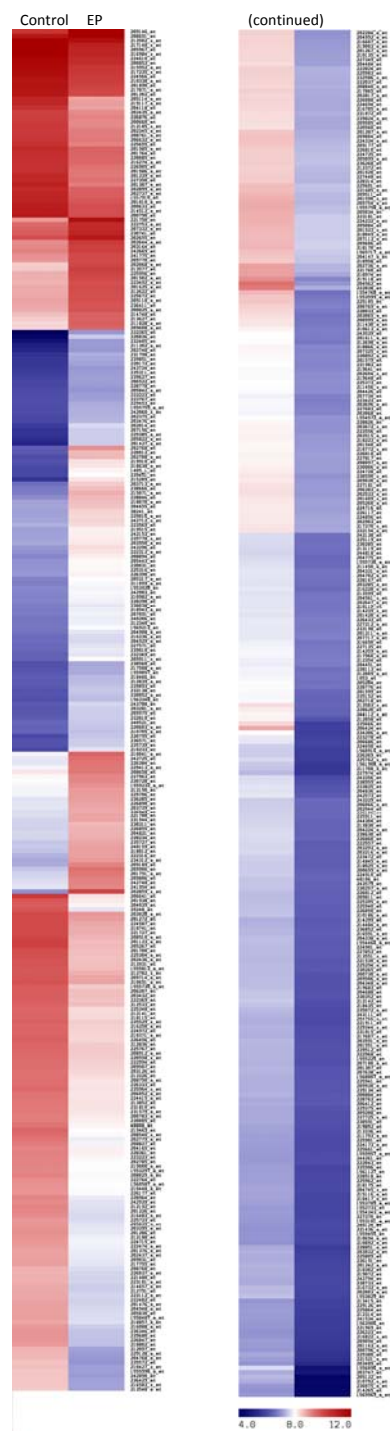


**A**



Suppl. Fig. 1

B

Probe Set	Symbol	Fold Change
205122_at	TMEFF1	-9.23
1556096_s_at	UNC13C	-8.33
206424_at	CYP26A1	-7.88
210792_x_at	SIVA	-7.79
236075_s_at	ZNF169	-7.2
214265_at	ITGA8	-6.64
1569969_a_at	UNC13C	-6.35
235666_at	AA903473	-6.04
203747_at	AQP3	-5.54
204562_at	IRF4	-5.16
234306_s_at	SLAMF7	4.75
219118_at	FKBP11	-4.5
206641_at	TNFRSF17	-4.28
1554768_a_at	MAD2L1	-4.06
39248_at	AQP3	-4.03
222838_at	SLAMF7	-4.02
223278_at	GJB2	-4
205114_s_at	CCL3	-3.98
212858_at	PAQR4	-3.88
225762_x_at	LOC284801	-3.7
206686_at	PDK1	-3.69
1561908_a_at	HS3ST3B1	-3.68
211708_s_at	SCD	-3.65
219117_s_at	FKBP11	-3.63
1553599_a_at	SYCP3	-3.55
226269_at	GDAP1	-3.54
213503_x_at	ANXA2	-3.51
1560916_a_at	DPY19L1	-3.51
228620_at	CDNA FLJ46701	-3.37
225105_at	LOC387882	-3.34
201387_s_at	UCHL1	-3.3
227974_at	Transcribed locus	-3.28
224650_at	MAL2	-3.27
243356_at	FAM7A1	-3.27
229380_at	Transcribed locus	-3.26
203489_at	SIVA	-3.25
244112_x_at	FLJ10159	-3.2
203065_s_at	CAV1	-3.15
218974_at	FLJ10159	-3.15
204118_at	CD48	-3.08

Probe Set	Symbol	Fold Change
221521_s_at	GINS2	-3.07
228033_at	E2F7	-3.07
238959_at	LARP4	-3.03
201938_at	CDK2AP1	-3.03
200769_s_at	MAT2A	-3.02
204768_s_at	FEN1	-3
201123_s_at	EIF5A	-2.96
233835_at	LOC90246	-2.96
205267_at	POU2AF1	-2.95
200999_s_at	CKAP4	-2.93
204039_at	CEBPA	2.93
202718_at	IGFBP2	-2.91
219463_at	C20orf103	-2.9
211430_s_at	IFI6	-2.9
229128_s_at	Transcribed locus	-2.9
1553829_at	MGC34824	-2.9
212097_at	CAV1	-2.89
226847_at	FST	-2.89
203032_s_at	FH	-2.87
239680_at	AI220472	-2.87
202736_s_at	LSM4	-2.87
221760_at	MAN1A1	-2.86
236346_at	ZNF83	-2.86
228851_s_at	ENSA	-2.86
242573_at	AI560164	-2.86
235572_at	SPBC24	-2.83
204836_at	GLDC	-2.82
200796_s_at	MCL1	-2.79
218802_at	CCDC109B	-2.77
202003_s_at	ACAA2	-2.77
202779_s_at	UBE2S	-2.77
235152_at	FAM111B	-2.74
201599_at	OAT	-2.73
201163_s_at	IGFBP7	-2.72
209094_at	DDAH1	-2.71
210427_x_at	ANXA2	-2.7
242890_at	HELLS	-2.7
216733_s_at	GATM	-2.7
225809_at	DKFZP564O0823	-2.68
201239_s_at	SPCS2	-2.67

Probe Set	Symbol	Fold Change
201226_at	NDUFB8	-2.67
216483_s_at	C19orf10	-2.66
202284_s_at	CDKN1A	-2.66
212142_at	MCM4	-2.66
201242_s_at	ATP1B1	-2.66
208540_x_at	S100A11	-2.64
236191_at	CD38	-2.63
212192_at	KCTD12	-2.63
209754_s_at	TMPO	-2.62
218302_at	PSENEN	-2.61
216088_s_at	PSMA7	-2.61
208910_s_at	C1QBP	-2.6
218435_at	DNAJC15	-2.6
1555996_s_at	EIF4A2	-2.6
210613_s_at	SYNGR1	-2.59
236429_at	ZNF83	-2.57
241534_at	LOC642701	-2.57
204992_s_at	PFN2	-2.57
242939_at	TFDP1	-2.56
227350_at	HELLS	-2.55
216822_x_at	AL359763	-2.55
201700_at	CCND3	-2.55
219072_at	BCL7C	-2.55
208827_at	PSMB6	-2.55
225655_at	UHRF1	-2.54
216583_x_at	AC004079	-2.54
1563906_at	FLJ10159	-2.54
205204_at	NMB	-2.54
228964_at	PRDM1	-2.53
201590_x_at	ANXA2	-2.53
228776_at	GJA7	-2.53
222557_at	STMN3	-2.53
1555758_a_at	CDKN3	-2.53
216607_s_at	CYP51A1	-2.52
225864_at	FAM84B	-2.52
242794_at	MAML3	-2.52
225304_s_at	NDUFA11	-2.51
212698_s_at	SEPT10	-2.49
235072_s_at	Transcribed locus	-2.49
212314_at	KIAA0746	-2.49

Suppl. Fig. 1  
(continued)

204688_at	SGCE	-2.48
219003_s_at	MANEA	-2.47
228113_at	RAB37	-2.47
221969_at	BF510692	-2.47
217148_x_at	IGLV2-14	-2.46
213548_s_at	CDV3	-2.46
203216_s_at	MYO6	-2.46
203293_s_at	LMAN1	-2.46
243111_at	ENTPD1	-2.46
230352_at	PRPS2	-2.44
226223_at	PAWR	-2.43
219683_at	FZD3	-2.43
202436_s_at	CYP1B1	-2.43
205034_at	CCNE2	-2.42
238733_at	CPM	-2.42
204766_s_at	NUDT1	-2.42
226456_at	C16orf75	-2.42
1053_at	RFC2	2.42
201286_at	SDC1	-2.41
218417_s_at	FLJ20489	-2.41
209511_at	POLR2F	-2.41
200790_at	ODC1	-2.41
215952_s_at	OAZ1	-2.4
221911_at	ETV1	-2.4
225733_at	B3GALT6	-2.4
209804_at	DCLRE1A	-2.39
218741_at	CENPM	-2.39
216228_s_at	WDHD1	-2.39
230630_at	AI566130	-2.39
221727_at	AA456973	-2.38
243539_at	KIAA1841	-2.38
201476_s_at	RRM1	-2.38
1555730_a_at	CFL1	-2.38
201267_s_at	PSMC3	-2.38
204348_s_at	AK3L1	-2.38
201611_s_at	ICMT	-2.38
212009_s_at	STIP1	-2.37
213931_at	ID2 /// ID2B	-2.37
238590_x_at	TMEM107	-2.37
204224_s_at	GCH1	-2.37
1553789_a_at	C21orf58	-2.37

229126_at	TMEM19	-2.37
201287_s_at	SDC1	-2.36
215116_s_at	DNM1	-2.36
223472_at	WHSC1	-2.36
48808_at	DHFR	-2.36
201586_s_at	SFPQ	-2.36
229344_x_at	FAM80B	-2.35
214657_s_at	TncRNA	-2.35
209506_s_at	NR2F1	-2.35
213830_at	TRA@	-2.35
224587_at	SUB1	-2.34
213415_at	CLIC2	-2.34
210135_s_at	SHOX2	-2.34
218866_s_at	POLR3K	-2.34
202533_s_at	DHFR	-2.34
203395_s_at	HES1	-2.34
212141_at	MCM4	-2.34
214512_s_at	SUB1	2.33
227349_at	AI807356	-2.33
231015_at	KLF15	-2.33
208029_s_at	LAPTM4B	-2.33
212185_x_at	MT2A	-2.33
207325_x_at	MAGEA1	-2.32
218025_s_at	PECI	-2.32
214845_s_at	CALU	-2.32
203591_s_at	CSF3R	-2.32
226860_at	TMEM19	-2.32
222482_at	SSBP3	-2.32
212791_at	FLJ38984	-2.32
224334_s_at	MRPL51	-2.32
217871_s_at	MIF	-2.32
201202_at	PCNA	-2.32
206383_s_at	G3BP2	-2.31
235964_x_at	C20orf118	-2.31
214259_s_at	AKR7A2	-2.31
225348_at	LOC642558	-2.31
205839_s_at	BZRAP1	-2.31
227135_at	ASAH1	-2.31
205967_at	HIST1H4C	-2.31
1554343_a_at	BRDG1	-2.3
200730_s_at	PTP4A1	-2.3

201551_s_at	LAMP1	-2.29
1552733_at	KLHDC1	-2.29
227181_at	LOC348801	-2.29
244304_at	MGC42174	-2.29
218175_at	CCDC92	-2.29
204948_s_at	FST	-2.29
204745_x_at	MT1G	-2.29
217235_x_at	MAB56	-2.28
218115_at	ASF1B	-2.28
217607_x_at	EIF4G2	-2.28
217960_s_at	TOMM22	-2.28
1555225_at	C1orf43	-2.28
1558487_a_at	TMED4	-2.28
1555736_a_at	AGTRAP	-2.28
216650_at	AL008627	-2.28
217865_at	RNF130	-2.28
1557910_at	HSP90AB1	-2.27
226333_at	AV700030	-2.27
239512_at	SFRS4	-2.27
222968_at	NM_016947.1	-2.27
224610_at	STX5	-2.27
211450_s_at	MSH6	-2.26
220892_s_at	PSAT1	-2.26
223112_s_at	NDUFB10	-2.26
204484_at	PIK3C2B	-2.26
210371_s_at	RBBP4	-2.26
203285_s_at	HS2ST1	-2.26
205830_at	CLGN	-2.26
201890_at	RRM2	-2.25
208750_s_at	ARF1	-2.25
1553297_a_at	CSF3R	-2.25
207100_s_at	VAMP1	-2.25
200660_at	S100A11	-2.25
1555812_a_at	ARHGDIB	-2.24
235529_x_at	C20orf118	-2.24
204775_at	CHAF1B	-2.24
1561127_at	LOC642394	-2.24
223181_at	C18orf55	-2.24
235506_at	NOSTRIN	-2.24
224972_at	C20orf52	-2.24
202737_s_at	LSM4	-2.24

Suppl. Fig. 1  
(continued)

228518_at	IGHM	-2.23
201579_at	FAT	-2.23
226088_at	ZDHHC12	-2.23
225294_s_at	TRAPPC1	-2.23
227370_at	KIAA1946	-2.23
200659_s_at	PHB	-2.23
224566_at	TncRNA	-2.23
209030_s_at	IGSF4	-2.22
224910_at	CARHSP1	-2.22
223423_at	GPR160	-2.22
224232_s_at	PX19	-2.22
204331_s_at	MRPS12	-2.21
221983_at	C2orf17	-2.21
1554466_a_at	MGC13114	-2.21
228167_at	KLHL6	-2.2
207638_at	PRSS7	-2.2
221685_s_at	CCDC99	-2.2
201307_at	SEPT11	-2.2
216705_s_at	ADA	-2.2
209177_at	C3orf60	-2.2
225601_at	HMGB3	-2.2
224694_at	ANTXR1	-2.2
216250_s_at	LPXN	-2.19
230265_at	SEL1L	-2.19
223556_at	HELLS	-2.19
225962_at	ZNRF1	-2.19
219000_s_at	DCC1	-2.19
221530_s_at	BHLHB3	-2.19
228314_at	BE877357	-2.19
204238_s_at	C6orf108	-2.19
216984_x_at	IGL@	-2.18
204702_s_at	NFE2L3	-2.18
225940_at	EIF4E3	-2.18
226850_at	SUMF1	-2.18
210186_s_at	FKBP1A	-2.18
222369_at	AW971254	-2.17
222824_at	SEC61A2	-2.17
225901_at	PTPMT1	-2.17
203696_s_at	RFC2	-2.17
202899_s_at	SFRS3	-2.17
217755_at	HN1	-2.17

202817_s_at	SS18	-2.17
206207_at	CLC	-2.17
201272_at	AKR1B1	-2.16
232586_x_at	CDNA FLJ11504	-2.16
225911_at	NPNT	-2.16
238591_at	HEXDC	-2.16
206052_s_at	SLBP	-2.16
212354_at	SULF1	-2.16
214239_x_at	PCGF2	-2.16
203672_x_at	TPMT	-2.16
226905_at	FAM101B	-2.16
205084_at	BCAP29	-2.16
222037_at	MCM4	-2.16
201010_s_at	TXNIP	-2.16
227448_at	AL045916	-2.15
201523_x_at	UBE2N	-2.15
206632_s_at	APOBEC3B	-2.15
213551_x_at	PCGF2	-2.15
218119_at	TIMM23	-2.15
1568807_a_at	Clone 4825606	-2.15
229983_at	TIGD2	-2.15
204451_at	FZD1	-2.15
223223_at	ARV1	-2.15
212188_at	KCTD12	-2.15
203432_at	TMPO	-2.15
202785_at	NDUFA7	-2.15
230005_at	DKFZp313A2432	-2.14
202647_s_at	NRAS	-2.14
243579_at	MSI2	-2.14
201609_x_at	ICMT	-2.14
211456_x_at	LOC645745	-2.14
225119_at	CHMP4B	-2.13
224173_s_at	MRPL30	-2.13
223101_s_at	ARPC5L	-2.13
230257_s_at	C1orf19	-2.13
226186_at	TMOD2	-2.13
227603_at	CDNA FLJ41385	-2.13
204426_at	TMED2	-2.12
203515_s_at	PMVK	-2.12
239824_s_at	TMEM107	-2.12
225941_at	EIF4E3	-2.12

224901_at	SCD5	-2.12
227853_at	Transcribed locus	-2.12
200884_at	CKB	-2.12
202944_at	NAGA	-2.12
1553101_a_at	ALKBH5	-2.12
224415_s_at	HINT2	-2.12
209505_at	NR2F1	-2.12
204561_x_at	APOC2	-2.12
207734_at	LAX1	-2.11
221480_at	HNRPD	-2.11
219641_at	DET1	-2.11
237725_x_at	SMC5	-2.11
213336_at	GTF2I	-2.11
239134_at	POLR3C	-2.11
201585_s_at	SFPQ	-2.11
213326_at	VAMP1	-2.11
200783_s_at	STMN1	-2.1
200853_at	H2AFZ	-2.1
220560_at	C11orf21	-2.1
209208_at	MPDU1	-2.1
230285_at	DKFZp313A2432	-2.1
1559455_at	HEXA	-2.1
213599_at	OIP5	-2.1
211793_s_at	ABI2	-2.1
228826_at	RNF43	-2.1
225395_s_at	FAM120AOS	-2.1
218857_s_at	ASRGL1	-2.1
208761_s_at	SUMO1	-2.1
209031_at	IGSF4	-2.09
220085_at	HELLS	-2.09
212836_at	POLD3	-2.09
210892_s_at	GTF2I	-2.09
209930_s_at	NFE2	-2.09
225661_at	IFNAR1	-2.09
242138_at	DLX1	-2.09
227212_s_at	PHF19	-2.09
224716_at	SLC35B2	-2.09
206066_s_at	RAD51C	-2.09
226433_at	RNF157	-2.09
210694_s_at	AF041209.1	-2.09
202435_s_at	CYP1B1	-2.09

Suppl. Fig. 1  
(continued)

213852_at	RBM8A	-2.09
200633_at	UBB	-2.08
217370_x_at	FUS	-2.08
208840_s_at	G3BP2	-2.08
219892_at	TM6SF1	-2.08
205260_s_at	ACYP1	-2.08
218170_at	ISOC1	-2.08
226012_at	ANKRD11	-2.08
218223_s_at	PLEKHO1	-2.08
207113_s_at	TNF	-2.08
226037_s_at	TAF9B	-2.08
224728_at	ATPAF1	-2.08
201020_at	YWHAH	-2.08
222474_s_at	TOMM22	-2.08
203028_s_at	CYBA	-2.07
230006_s_at	DKFZp313A2432	-2.07
224715_at	WDR34	-2.07
226810_at	C6orf155	-2.07
233198_at	LOC92497	-2.07
222154_s_at	DNATP6	-2.07
218049_s_at	MRPL13	-2.07
228361_at	E2F2	-2.07
209811_at	CASP2	-2.07
202345_s_at	FABP5	-2.07
226876_at	FAM101B	-2.06
231579_s_at	TIMP2	-2.06
243229_at	RNASET2	-2.06
244818_at	AI929077	-2.06
225373_at	C10orf54	-2.06
202437_s_at	CYP1B1	-2.06
1560587_s_at	PRDX5	-2.06
1559957_a_at	LOC642852	-2.05
212372_at	MYH10	-2.05
226117_at	TIFA	-2.05
221436_s_at	CDCA3	-2.05
209507_at	RPA3	-2.05
224735_at	CYBASC3	-2.05
212782_x_at	POLR2J	-2.05
222764_at	ASRGL1	-2.05
231810_at	BR3BP	-2.05
225767_at	AI825833	-2.05

209606_at	PSCDBP	-2.04
201211_s_at	DDX3X	-2.04
201540_at	FHL1	-2.04
213119_at	SLC36A1	-2.04
236852_at	FBXO43	-2.04
214299_at	TOP3A	-2.04
203068_at	KLHL21	-2.04
210338_s_at	HSPA8	-2.03
208097_s_at	TXNDC	-2.03
229375_at	PPIE	-2.03
1565717_s_at	FUS	-2.03
208912_s_at	CNP	-2.03
201420_s_at	WDR77	-2.03
203126_at	IMPA2	-2.03
244261_at	IL28RA	-2.02
216591_s_at	SDHC	-2.02
1554572_a_at	SUV39H2	-2.02
231872_at	LRRCC1	-2.02
204147_s_at	TFDP1	-2.02
224856_at	FKBP5	-2.02
208760_at	UBE2I	-2.02
222994_at	PRDX5	-2.02
213502_x_at	LOC91316	-2.01
227817_at	PRKCB1	-2.01
205099_s_at	CCR1	-2.01
219648_at	DSU	-2.01
222043_at	CLU	-2.01
201376_s_at	HNRPF	-2.01
218772_x_at	TMEM38B	-2.01
202903_at	LSM5	-2.01
240124_at	Transcribed locus	-2.01
236268_at	SEC22C	-2.01
226018_at	C7orf41	-2.01
220558_x_at	TSPAN32	-2.01
48106_at	FLJ20489	-2.01
226177_at	GLTP	-2.01
209714_s_at	CDKN3	-2.01
207717_s_at	PKP2	-2
210691_s_at	CACYBP	-2
202604_x_at	ADAM10	-2
210448_s_at	P2RX5	-2

201764_at	TMEM106C	-2
216274_s_at	SEC11L1	-2
206412_at	FER	-2
218958_at	FLJ20850	-2
228763_at	CHMP4A	2
214484_s_at	OPRS1	-2
212533_at	WEE1	-2
204165_at	WASF1	-2
239778_x_at	CAPN7	2
1559057_at	CXorf45	2
242669_at	UFM1	2
242153_at	LARP2	2
205842_s_at	JAK2	2
219515_at	PRDM10	2
236411_at	Transcribed locus	2.01
241775_at	SCFD1	2.01
203950_s_at	CLCN6	2.01
210705_s_at	TRIM5	2.01
229706_at	TCERG1	2.02
223569_at	PPAPDC1B	2.02
238311_at	KIAA0776	2.03
230038_at	ATXN7L2	2.03
213190_at	COG7	2.04
209118_s_at	TUBA3	2.04
209770_at	BTN3A1	2.04
228290_at	AI806322	2.05
233223_at	NEDD9	2.06
1553928_at	ELMOD2	2.06
214748_at	RP11-298P3.3	2.06
240521_at	BE551208	2.06
225316_at	MFSD2	2.06
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Suppl. Fig. 1  
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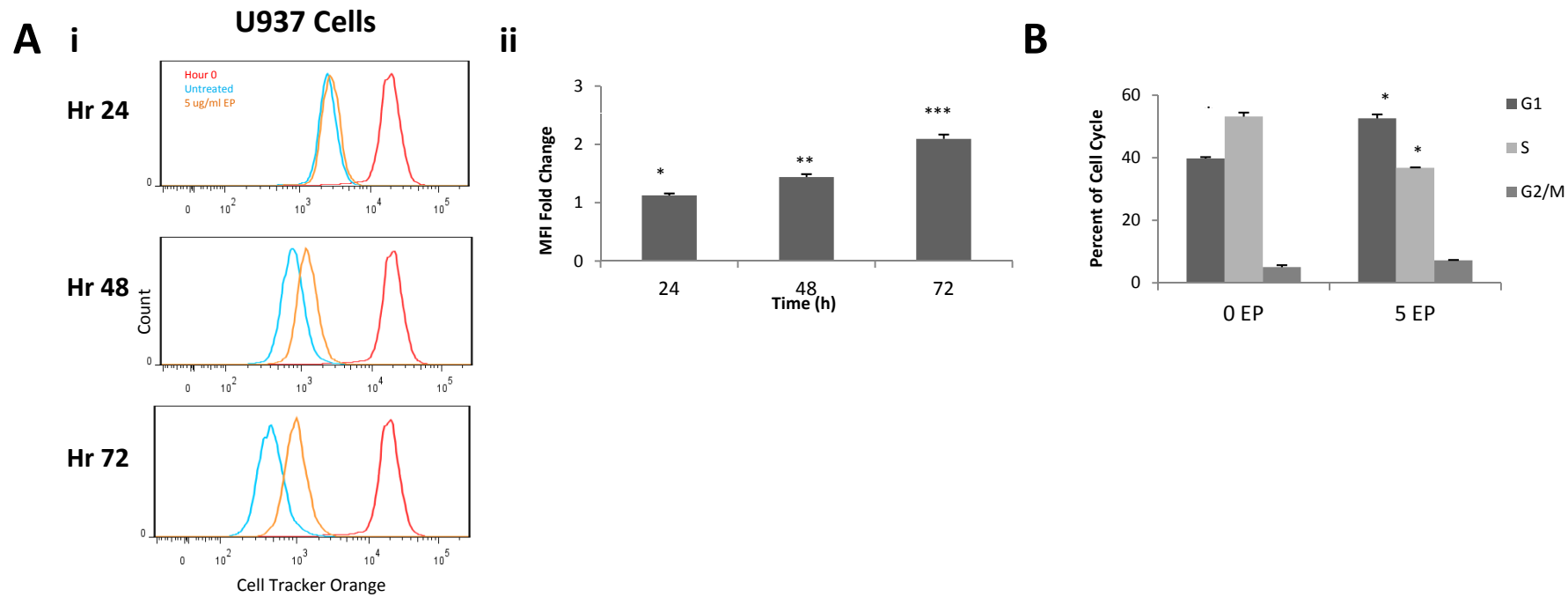
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Suppl. Fig. 1  
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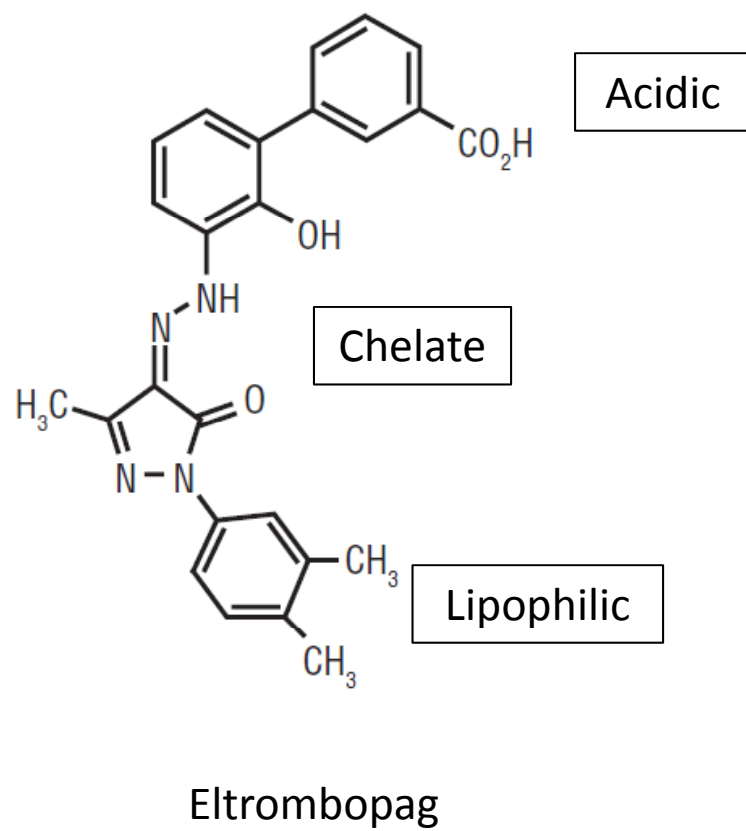
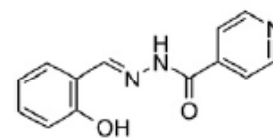
**Supplemental Figure 1. HL60 cell gene expression after 36 hours of treatment with Eltrombopag.** (A) Microarray analysis of HL60 cells treated with or without 3 $\mu$ g/ml EP for 36 hours (fold change  $\geq 2$ ). The color intensity represents the ratio of expression in EP –treated compared with control cells. The relative overexpression and underexpression compared with control cells are shown in red and blue, respectively. (B) Corresponding data table displaying the probe set, gene symbol, and fold change for all genes displayed in the heat map.



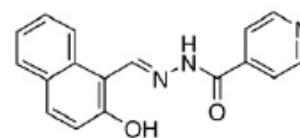
Suppl. Fig. 2



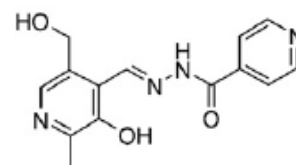
**Supplemental Figure 2. Eltrombopag inhibits cell cycling and leads to a block in G1 phase.** (A) U937 Cells were incubated in 10uM Cell Tracker Orange for 30 minutes, washed and analyzed by FACS (red line= hr 0). Cells were treated without EP (blue line) or with 5ug/ml EP (orange line) and FACS analysis was performed 48hrs after initial treatment (i). Fold change of U937 cells (ii) of FACS mean fluorescence intensity (MFI) +/- SD (n=3) of cell tracker orange labeled U937 cells treated with 5ug/ml EP relative to untreated cells (\*p<0.05, \*\*p<0.01, \*\*\*p<0.001). EP slows cell division in URE cells as higher fluorescence represents slower cell division. (B) Cell cycle analysis of U937 cells with or without 5ug/ml EP for 48hrs. EP induces a cell cycle block in G1 phase with a subsequent decrease in S phase (\*p<0.05, \*\*p<0.01, \*\*\*p<0.001).

**A****B**

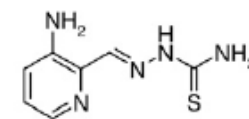
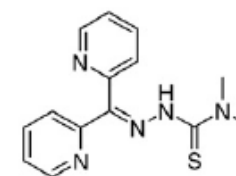
SIH



311



PIH

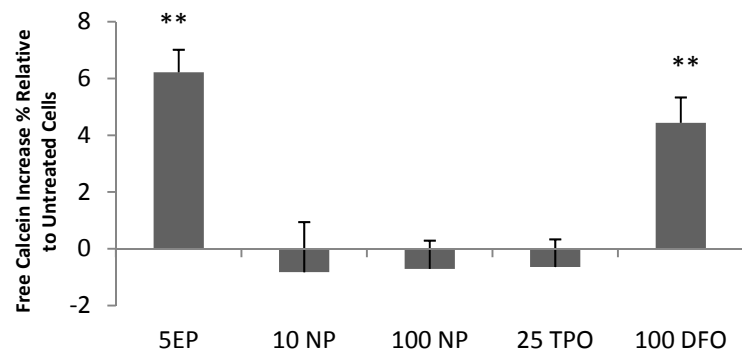
Triapine<sup>®</sup>

Dp44mT

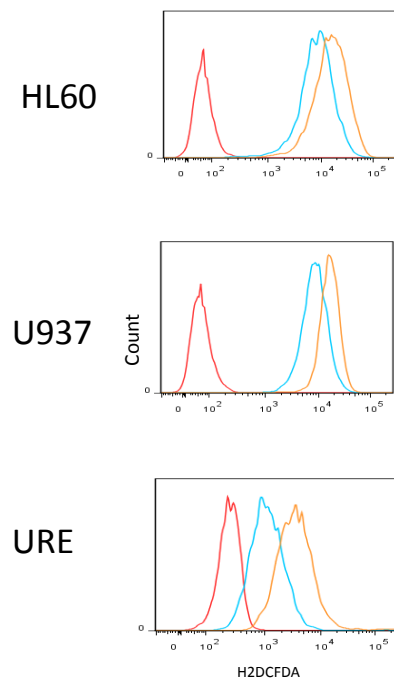
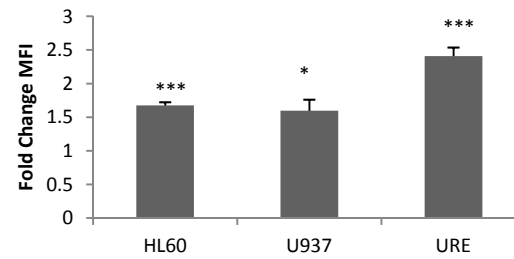
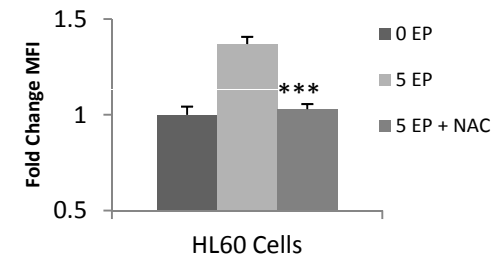
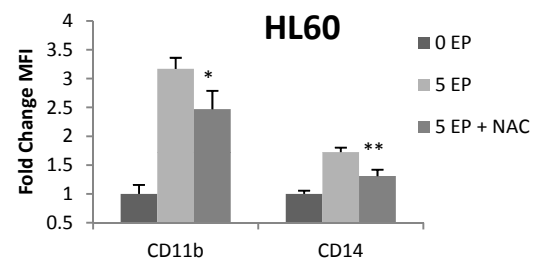
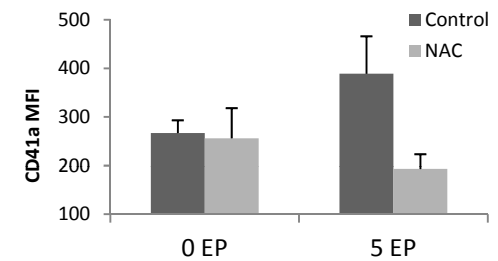
**Supplemental Figure 3. Molecular Structure of Eltrombopag.** (A) Molecular structure of Eltrombopag. The structure consists of a chelator backbone with a lipophilic end and an acidic end. (B) Molecular structure of iron chelators: SIH, 311, PIH, Triapine, and Dp44mT. Eltrombopag is a biphenyl-hydrazone and shares similar structural chelator properties to known iron chelators.

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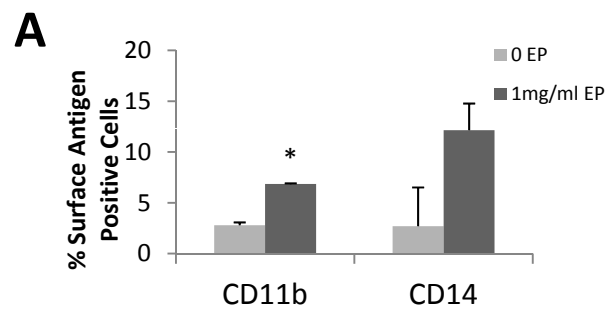
**A**



**Supplemental Figure 4. Romiplostim, a peptidyl TPO-R agonist does not deplete intracellular iron in leukemia cell lines.** (A) HL60 Cells were labeled with 0.25uM intracellular iron-chelating dye calcein-AM for 5 minutes. Cells were washed then treated with 0ug/ml EP, 5ug/ml EP, 10ng/ml Romiplostim (NP), 100ng/ml NP, 25 ng/ml TPO (- control), or 100uM DFO (+ control) for 4 hours at 37°C. Cells were analyzed by FACS. Data represents the change in the mean fluorescence index (MFI) +/- SD (n=3) compared to untreated HL60 cells \*p<0.05, \*\*p<0.01, \*\*\*p<0.001. Romiplostim does not reduce intracellular iron in HL60 cells.

**A****B****C****D****E**

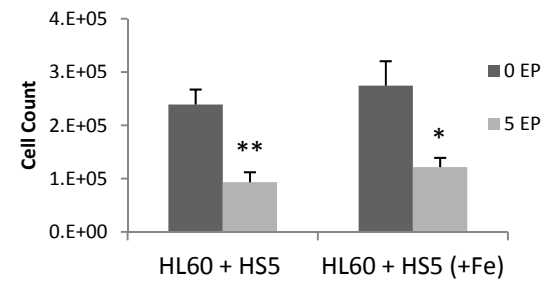
**Supplemental Figure 5. Eltrombopag induces ROS in leukemia cell lines.** (A) ROS levels HL60, U937, and URE cell lines treated with 5ug/ml EP for 1 hour by FACS measurement of H2DCFDA induced FITC fluorescence. Representative FACS histograms of untreated HL60 cells (blue line) versus cells treated with 5ug/ml EP (orange line). (B) Fold change of FACS mean fluorescence intensity (MFI)  $\pm$  SD (n=3) of H2DCFDA induced FITC fluorescence in HL60 cells treated with 5ug/ml EP for 1 hour relative to untreated cells. (\* $p$ <0.05, \*\* $p$ <0.01, \*\*\* $p$ <0.001). EP induces ROS formation in HL60, U937, and URE cells. (C) Fold change of FACS mean fluorescence intensity (MFI)  $\pm$  SD (n=3) of H2DCFDA induced FITC fluorescence in HL60 cells treated with 5ug/ml EP with or without 5uM NAC (anti-oxidant) relative to untreated cells. (\*\*\* $p$ <0.001). (D) Fold change of FACS mean fluorescence intensity (MFI)  $\pm$  SD (n=3) of CD11b expression and CD14 expression in untreated HL60 cells versus cells treated with 5ug/ml EP or treated with 5uM NAC and 5ug/ml EP. Incubation with NAC decreases expression of CD11b and CD14. (E) Peripheral blood mononuclear cells from 2 healthy individuals were treated with or without 5ug/ml EP  $\pm$  5uM NAC. FACS analysis was performed assessing CD41a expression with DAPI exclusion.





**Supplemental Figure 6. Eltrombopag induces leukemia cell differentiation in a mouse model of leukemia.** (A) Bone marrow aspirates were performed on day +17 post-transplantation and FACS analysis was performed gating on engrafted HL60 cells (CD15+, Ly5.1-) assessing CD11b and CD14 expression (n=4) (\*p<0.05).

**A**



**Supplemental Figure 7. Co-incubation with stromal cells does not abrogate the anti-leukemic effect of Eltrombopag on HL60 cells.** (A) HS5 cells were loaded with or without 500ug/ml FAC for 72 hours and then co-incubated with HL60 cells with or without 5ug/ml EP. Seventy-two hours later cells were analyzed by FACS and the percentage of HL60 cells of the total live cells (DAPI-) was determined by CD15 positivity. Manual cell counts were performed and multiplied by the percent of HL60 cells (\*p<0.05, \*\*p<0.01).