

Table S2. Statistically significant Gene Ontology (GO) terms of genes co- downregulated by UTX and MLL4 knockdown

<b>Regulation of cell division (<math>p</math>-value: 2.50e-02)</b>				
<b>Affymetrix probe ID</b>	<b>Gene name</b>	<b>Gene symbol</b>	<b>Fold (UTX/Luc)</b>	<b>Fold (MLL4/Luc)</b>
216933_x_at	adenomatous polyposis coli	APC	0.423456225	0.398493645
239002_at	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	ASPM	0.31268379	0.435994308
205067_at	interleukin 1, beta	IL1B	0.166641175	0.291466233
209652_s_at	placental growth factor	PGF	0.471005017	0.340065464
205463_s_at	platelet-derived growth factor alpha polypeptide	PDGF	0.41825733	0.47622183
211527_x_at	vascular endothelial growth factor A	VEGFA	0.174896099	0.261793574
<b>Extracellular matrix organization (<math>p</math>-value: 1.20e-03)</b>				
<b>Affymetrix probe ID</b>	<b>Gene name</b>	<b>Gene symbol</b>	<b>Fold (UTX/Luc)</b>	<b>Fold (MLL4/Luc)</b>
210827_s_at	E74-like factor 3 (ets domain transcription factor, epithelial-specific )	elf3	0.158125126	0.262761419
241453_at	PTK2 protein tyrosine kinase 2	PTK2	0.070415503	0.148155832
202404_s_at	collagen, type I, alpha 2	COL1A2	0.449074313	0.353065436
203325_s_at	collagen, type V, alpha 1	Col5a1	0.458337703	0.430757639
209081_s_at	collagen, type XVIII, alpha 1	COL18A1	0.404142603	0.428581574
221541_at	cysteine-rich secretory protein LCCL domain containing 2	CRISPLD2	0.38667305	0.291070955
201655_s_at	heparan sulfate proteoglycan 2	Hspg2	0.318534936	0.267536334
211094_s_at	neurofibromin 1	NF1	0.375531966	0.359399371
213075_at	olfactomedin-like 2A	OLFML2A	0.40202762	0.423704309
1558116_x_at	reversion-inducing-cysteine-rich protein with kazal motifs	RECK	0.392464845	0.388562293
1569864_at	serine active site containing 1	SERAC1	0.322077731	0.335534296
216333_x_at	tenascin XB; tenascin XA pseudogene	TNXA, TNXB,	0.47445307	0.47445307
<b>Regulation of cell growth (<math>p</math>-value: 2.10e-02)</b>				
<b>Affymetrix probe ID</b>	<b>Gene name</b>	<b>Gene symbol</b>	<b>Fold (UTX/Luc)</b>	<b>Fold (MLL4/Luc)</b>
203140_at	B-cell CLL/lymphoma 6	BCL6	0.183083274	0.226949527
235024_at	PHD finger protein 17	phf17	0.411050138	0.454716738
228483_s_at	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa	taf9b	0.267706913	0.319599075
210462_at	basic leucine zipper nuclear factor 1	BLZF1	0.149611028	0.159304286
204610_s_at	coiled-coil domain containing 85B	CCDC85B	0.438019564	0.490021632
210240_s_at	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	CDKN2D	0.42098411	0.432600209
205676_at	cytochrome P450, family 27, subfamily B, polypeptide 1	CYP27B1	0.387758682	0.342966158
205066_s_at	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	0.47728371	0.393376069
209808_x_at	inhibitor of growth family, member 1	ing1	0.320235461	0.42800116
203851_at	insulin-like growth factor binding protein 6	IGFBP6	0.224433951	0.431181003
243857_at	mortality factor 4 like 2	Morf4l2	0.251321644	0.400339469
206801_at	natriuretic peptide precursor B	nppb	0.281299698	0.379815856
208510_s_at	peroxisome proliferator-activated receptor gamma	PPARG	0.375935612	0.311765646
35666_at	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F	sema3f	0.378958698	0.39892111
<b>Regulation of locomotion (<math>p</math>-value: 3.6e-03)</b>				
<b>Affymetrix probe ID</b>	<b>Gene name</b>	<b>Gene symbol</b>	<b>Fold (UTX/Luc)</b>	<b>Fold (MLL4/Luc)</b>
216933_x_at	adenomatous polyposis coli	APC	0.423456225	0.398493645
204639_at	adenosine deaminase	ada	0.229985074	0.217773652
241754_at	chromosome 9 open reading frame 126	Scai	0.271487797	0.363358902
209081_s_at	collagen, type XVIII, alpha 1	COL18A1	0.404142603	0.428581574
210762_s_at	deleted in liver cancer 1	DLC1	0.43491537	0.381222173
206917_at	guanine nucleotide binding protein (G protein), alpha 13	Gna13	0.254655306	0.361308666
202455_at	histone deacetylase 5	HDAC5	0.419520663	0.365919847
243446_at	jub, ajuba homolog (Xenopus laevis)	JUB	0.25367851	0.278152899
203726_s_at	laminin, alpha 3	LAMA3	0.328468547	0.431113824
211094_s_at	neurofibromin 1	NF1	0.375531966	0.359399371
1557126_a_at	phospholipase D1, phosphatidylcholine-specific	PLD1	0.199858509	0.183563
205463_s_at	platelet-derived growth factor alpha polypeptide	PDGFA	0.41825733	0.47622183
1555579_s_at	protein tyrosine phosphatase, receptor type, M	PTPRM	0.49591241	0.45337905
212647_at	related RAS viral (r-ras) oncogene homolog	Rras	0.261742483	0.442154522
226625_at	transforming growth factor, beta receptor III	Tgfb3	0.169205667	0.293792911
211527_x_at	vascular endothelial growth factor A	VEGFA	0.174896099	0.261793574
<b>Regulation of cell migration (<math>p</math>-value: 1.0e-03)</b>				
<b>Affymetrix probe ID</b>	<b>Gene name</b>	<b>Gene symbol</b>	<b>Fold (UTX/Luc)</b>	<b>Fold (MLL4/Luc)</b>
216933_x_at	adenomatous polyposis coli	APC	0.423456225	0.398493645
204639_at	adenosine deaminase	ada	0.229985074	0.217773652
241754_at	chromosome 9 open reading frame 126	Scai	0.271487797	0.363358902
209081_s_at	collagen, type XVIII, alpha 1	COL18A1	0.404142603	0.428581574
210762_s_at	deleted in liver cancer 1	DLC1	0.43491537	0.381222173
206917_at	guanine nucleotide binding protein (G protein), alpha 13	Gna13	0.254655306	0.361308666
202455_at	histone deacetylase 5	HDAC5	0.419520663	0.365919847
243446_at	jub, ajuba homolog (Xenopus laevis)	JUB	0.25367851	0.278152899

203726_s_at	laminin, alpha 3	LAMA3	0.328468547	0.431113824
211094_s_at	neurofibromin 1	NF1	0.375531966	0.359399371
1557126_a_at	phospholipase D1, phosphatidylcholine-specific	PLD1	0.199858509	0.183563
205463_s_at	platelet-derived growth factor alpha polypeptide	PDGFA	0.41825733	0.47622183
1555579_s_at	protein tyrosine phosphatase, receptor type, M	PTPRM	0.49591241	0.45337905
212647_at	related RAS viral (r-ras) oncogene homolog	Rras	0.261742483	0.442154522
226625_at	transforming growth factor, beta receptor III	Tgfr3	0.169205667	0.293792911
211527_x_at	vascular endothelial growth factor A	VEGFA	0.174896099	0.261793574

### Cell motility (p-value: 1.4e-02)

Affymetrix probe ID	Gene name	Gene symbol	Fold (UTX/Luc)	Fold (MLL4/Luc)
241453_at	PTK2 protein tyrosine kinase 2	PTK2	0.070415503	0.148155832
204268_at	S100 calcium binding protein A2	S100A2	0.378602118	0.3509222
204351_at	S100 calcium binding protein P	S100P	0.225281928	0.205151565
231797_at	SIX homeobox 4	Six4	0.324418659	0.441983832
216933_x_at	adenomatous polyposis coli	APC	0.423456225	0.398493645
205141_at	angiogenin, ribonuclease, RNase A family, 5	Ang	0.197233209	0.223488009
1405_i_at	chemokine (C-C motif) ligand 5	CCL5	0.330534515	0.429076537
823_at	chemokine (C-X3-C motif) ligand 1	Cx3cl1	0.415671789	0.344409906
203325_s_at	collagen, type V, alpha 1	Col5a1	0.458337703	0.430757639
208937_s_at	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein	id1	0.186796976	0.374600663
205067_at	interleukin 1, beta	IL1B	0.166641175	0.291466233
243446_at	jub, ajuba homolog (Xenopus laevis)	JUB	0.25367851	0.278152899
229225_at	neuropilin 2	NRP2	0.209103915	0.250924085
229092_at	nuclear receptor subfamily 2, group F, member 2	NR2F2	0.361977101	0.297766942
227249_at	nudE nuclear distribution gene E homolog 1 (A. nidulans)	NDE1	0.488782185	0.434819971
1558164_s_at	peroxisomal biogenesis factor 13	Pex13	0.32742257	0.413842136
35666_at	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F	Sema3f	0.378958698	0.398921111
208607_s_at	serum amyloid A1	SAA1	0.483035482	0.409923931
217741_s_at	similar to zinc finger, AN1-type domain 5; zinc finger, AN1-type domain 5	LOC732229, ZFAND5	0.259126114	0.368536287
226625_at	transforming growth factor, beta receptor III	Tgfr3	0.169205667	0.293792911

### Cell motion (p-value: 2.0e-02)

Affymetrix probe ID	Gene name	Gene symbol	Fold (UTX/Luc)	Fold (MLL4/Luc)
204584_at	L1 cell adhesion molecule	L1cam	0.43274167	0.441389711
241453_at	PTK2 protein tyrosine kinase 2	PTK2	0.070415503	0.148155832
204268_at	S100 calcium binding protein A2	S100A2	0.378602118	0.3509222
204351_at	S100 calcium binding protein P	S100P	0.225281928	0.205151565
231797_at	SIX homeobox 4	Six4	0.324418659	0.441983832
203188_at	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1; UDP-GlcNAc:betaGal beta-1,6-transferase 1	b3gnt1, B3GNT2	0.414781469	0.45999427
216933_x_at	adenomatous polyposis coli	APC	0.423456225	0.398493645
205141_at	angiogenin, ribonuclease, RNase A family, 5	Ang	0.197233209	0.223488009
1405_i_at	chemokine (C-C motif) ligand 5	CCL5	0.330534515	0.429076537
823_at	chemokine (C-X3-C motif) ligand 1	Cx3cl1	0.415671789	0.344409906
203325_s_at	collagen, type V, alpha 1	Col5a1	0.458337703	0.430757639
206917_at	guanine nucleotide binding protein (G protein), alpha 13	Gna13	0.254655306	0.361308666
208937_s_at	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein	id1	0.186796976	0.374600663
205067_at	interleukin 1, beta	IL1B	0.166641175	0.291466233
243446_at	jub, ajuba homolog (Xenopus laevis)	JUB	0.25367851	0.278152899
220319_s_at	myosin regulatory light chain interacting protein	MYLIP	0.233847195	0.163111318
229225_at	neuropilin 2	NRP2	0.209103915	0.250924085
229092_at	nuclear receptor subfamily 2, group F, member 2	NR2F2	0.361977101	0.297766942
227249_at	nudE nuclear distribution gene E homolog 1 (A. nidulans)	NDE1	0.488782185	0.434819971
1558164_s_at	peroxisomal biogenesis factor 13	Pex13	0.32742257	0.413842136
1555579_s_at	protein tyrosine phosphatase, receptor type, M	PTPRM	0.49591241	0.45337905
203071_at	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B	SEMA3B	0.194168657	0.150863266
35666_at	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F	sema3f	0.378958698	0.398921111
208607_s_at	serum amyloid A1	SAA1	0.483035482	0.409923931
243213_at	signal transducer and activator of transcription 3 (acute-phase response factor)	Stat3	0.354656524	0.413485516
217741_s_at	similar to zinc finger, AN1-type domain 5; zinc finger, AN1-type domain 5	LOC732229, ZFAND5	0.259126114	0.368536287
226625_at	transforming growth factor, beta receptor III	Tgfr3	0.169205667	0.293792911

### Cell adhesion (p-value: 2.7e-02)

Affymetrix probe ID	Gene name	Gene symbol	Fold (UTX/Luc)	Fold (MLL4/Luc)
208536_s_at	BCL2-like 11 (apoptosis facilitator)	BCL2L11	0.134174438	0.114870532
225275_at	EGF-like repeats and discoidin I-like domains 3	edil3	0.399208748	0.33340515
223000_s_at	F11 receptor	F11r	0.238996191	0.26852084
212070_at	G protein-coupled receptor 56	GPR56	0.499288116	0.482196916
204584_at	L1 cell adhesion molecule	L1cam	0.43274167	0.441389711
216933_x_at	adenomatous polyposis coli	APC	0.423456225	0.398493645
201131_s_at	cadherin 1, type 1, E-cadherin (epithelial)	CDH1	0.221313607	0.166970238
239769_at	cadherin 11, type 2, OB-cadherin (osteoblast)	CDH11	0.269282335	0.346580002
238699_s_at	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	CASK	0.252465249	0.264611209
1405_i_at	chemokine (C-C motif) ligand 5	CCL5	0.330534515	0.429076537
823_at	chemokine (C-X3-C motif) ligand 1	Cx3cl1	0.415671789	0.344409906
210785_s_at	chromosome 1 open reading frame 38	C1orf38	0.279393492	0.400296086
228335_at	claudin 11	CLDN11	0.123257865	0.22352684
201428_at	claudin 4	CLDN4	0.237274252	0.353918967
202790_at	claudin 7	cldn7	0.243318809	0.327176416
203325_s_at	collagen, type V, alpha 1	Col5a1	0.458337703	0.430757639

214587_at	collagen, type VIII, alpha 1	COL8A1	0.499676161	0.298345277
209081_s_at	collagen, type XVIII, alpha 1	COL18A1	0.404142603	0.428581574
210762_s_at	deleted in liver cancer 1	DLC1	0.43491537	0.381222173
217208_s_at	discs, large homolog 1 (Drosophila)	DLC1	0.052728106	0.227708265
204455_at	dystonin	DST	0.430706029	0.439658282
201655_s_at	heparan sulfate proteoglycan 2	Hspg2	0.318534936	0.267536334
204990_s_at	integrin, beta 4	ITGB4	0.499234425	0.464496666
201124_at	integrin, beta 5	Itgb5	0.435497253	0.278921092
207194_s_at	intercellular adhesion molecule 4 (Landsteiner-Wiener blood group)	ICAM4	0.341873514	0.352842485
243446_at	jub, ajuba homolog (Xenopus laevis)	JUB	0.25367851	0.278152899
203726_s_at	laminin, alpha 3	LAMA3	0.328468547	0.431113824
210869_s_at	melanoma cell adhesion molecule	MCAM	0.235762446	0.298455075
204885_s_at	mesothelin	MSLN	0.354713126	0.400646688
217109_at	mucin 4, cell surface associated	MUC4	0.303094595	0.303094595
229225_at	neuropilin 2	NRP2	0.209103915	0.250924085
1555579_s_at	protein tyrosine phosphatase, receptor type, M	PTPRM	0.49591241	0.45337905
228891_at	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain	SEMA4D	0.344053151	0.35530713
216333_x_at	tenascin XB; tenascin XA pseudogene	TNXA, TNXB	0.47445307	0.47445307
204760_s_at	thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)	thrA	0.163603748	0.22008195
206411_s_at	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene)	abl2	0.486690866	0.423858134

#### Regulation of cell death ( $p$ -value: 2.1e-04)

Affymetrix probe ID	Gene name	Gene symbol	Fold (UTX/Luc)	Fold (MLL4/Luc)
202512_s_at	ATG5 autophagy related 5 homolog (S. cerevisiae)	atg5	0.221607865	0.29171043
1557258_a_at	B-cell CLL/lymphoma 10; hypothetical LOC646626	BCL10, LOC646626	0.275389824	0.294557763
203140_at	B-cell CLL/lymphoma 6	BCL6	0.183083274	0.226949527
219624_at	BCL2-associated athanogene 4	Bag4	0.357200833	0.497765019
208536_s_at	BCL2-like 11 (apoptosis facilitator)	BCL2L11	0.134174438	0.114870532
210563_x_at	CASP8 and FADD-like apoptosis regulator	CFLAR	0.410440096	0.42634999
208810_at	Dnaj (Hsp40) homolog, subfamily B, member 6	DNAJB6	0.438055016	0.281259866
204420_at	FOS-like antigen 1	FOSL1	0.481310607	0.35013329
55065_at	MAP/microtubule affinity-regulating kinase 4	Mark4	0.458042744	0.476616777
218380_at	NLR family, pyrin domain containing 1	Nlrp1	0.454546397	0.302673052
210567_s_at	S-phase kinase-associated protein 2 (p45)	Skp2	0.186634687	0.324043708
228483_s_at	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa	taf9b	0.267706913	0.319599075
201147_s_at	TIMP metalloproteinase inhibitor 3	TIMP3	0.441501854	0.363023675
216933_x_at	adenomatous polyposis coli	APC	0.423456225	0.398493645
204639_at	adenosine deaminase	ada	0.229985074	0.217773652
201131_s_at	cadherin 1, type 1, E-cadherin (epithelial)	CDH1	0.221313607	0.166970238
227961_at	cathepsin B	CTSB	0.292716739	0.448345546
208791_at	clusterin	clu	0.234118784	0.31378829
209081_s_at	collagen, type XVIII, alpha 1	COL18A1	0.404142603	0.428581574
210240_s_at	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	CDKN2D	0.42098411	0.432600209
244546_at	cytochrome c, somatic	CYCS	0.372389447	0.253757636
210762_s_at	deleted in liver cancer 1	DLC1	0.43491537	0.381222173
212374_at	fem-1 homolog b (C. elegans)	fem-1b	0.38612451	0.360078203
235540_at	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone)	GNRH1	0.284859762	0.276761751
202581_at	heat shock 70kDa protein 1A; heat shock 70kDa protein 1B	HSPA1A, HSPA1B	0.284211951	0.329982224
216449_x_at	heat shock protein 90kDa beta (Grp94), member 1	Hsp90b1	0.369583331	0.369583331
224065_at	homeodomain interacting protein kinase 2; similar to homeodomain interacting protein kinase	HIPK2	0.398561746	0.393716249
217168_s_at	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1	HERPUD1	0.373371786	0.360794301
226364_at	huntingtin interacting protein 1	HIP1	0.269763621	0.210739607
230031_at	hypothetical gene supported by AF216292; NM_005347; heat shock 70kDa protein 5 (glucose-inducible)	HSPA5, LOC400750	0.238274065	0.170582982
207826_s_at	inhibitor of DNA binding 3, dominant negative helix-loop-helix protein	Id3	0.359139084	0.488926713
205067_at	interleukin 1, beta	IL1B	0.166641175	0.291466233
209014_at	melanoma antigen family D, 1	MAGED1	0.260007584	0.230394745
211094_s_at	neurofibromin 1	NF1	0.375531966	0.359399371
227240_at	neuronal guanine nucleotide exchange factor	Ngef	0.368272635	0.438291357
221142_s_at	peroxisomal trans-2-enoyl-CoA reductase	Pecr	0.408181162	0.373127505
209193_at	pim-1 oncogene	Pim1	0.090115788	0.160205374
224739_at	pim-3 oncogene	PIM3	0.2746409	0.277761699
210416_s_at	protein kinase CHK2-like; CHK2 checkpoint homolog (S. pombe); similar to hCG1983233	?, LOC100133012, LOC646626	0.411809712	0.337286022
202426_s_at	retinoid X receptor, alpha	RXRA	0.377553941	0.326156118
228891_at	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain	SEMA4D	0.344053151	0.35530713
244804_at	sequestosome 1	sqstm1	0.333553702	0.379345558
205214_at	serine/threonine kinase 17b	STK17B	0.181692045	0.146495306
242814_at	serpin peptidase inhibitor, clade B (ovalbumin), member 9	SERPINB9	0.204823314	0.256770649
1555259_at	sterile alpha motif and leucine zipper containing kinase AZK	ZAK	0.234266577	0.234266577
227697_at	suppressor of cytokine signaling 3	socs3	0.197469141	0.332257195
201008_s_at	thioredoxin interacting protein	TXNIP	0.145545607	0.088585221
226213_at	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	0.122235906	0.132639774
243829_at	v-raf murine sarcoma viral oncogene homolog B1	BRAF	0.392406242	0.329428302
211527_x_at	vascular endothelial growth factor A	VEGFA	0.174896099	0.261793574

#### Regulation of cell proliferation ( $p$ -value: 8.8e-05)

Affymetrix probe ID	Gene name	Gene symbol	Fold (UTX/Luc)	Fold (MLL4/Luc)
203140_at	B-cell CLL/lymphoma 6	BCL6	0.183083274	0.226949527
223834_at	CD274 molecule	CD274	0.359552667	0.299383425
209782_s_at	D site of albumin promoter (albumin D-box) binding protein	dbp	0.146943928	0.180182064
219424_at	Epstein-Barr virus induced 3	ebi3	0.44398711	0.325734051
204420_at	FOS-like antigen 1	FOSL1	0.481310607	0.35013329

218880_at	FOS-like antigen 2	Fosl2	0.1229412	0.214950391
1553137_s_at	Kruppel-like factor 11	Klf11	0.404123337	0.489796954
55065_at	MAP/microtubule affinity-regulating kinase 4	Mark4	0.458042744	0.476616777
202364_at	MAX interactor 1	MXI1	0.287244686	0.405762891
203313_s_at	TGFB-induced factor homeobox 1	Tgif1	0.189412916	0.411245611
216933_x_at	adenomatous polyposis coli	APC	0.423456225	0.398493645
204639_at	adenosine deaminase	ada	0.229985074	0.217773652
205141_at	angiogenin, ribonuclease, RNase A family, 5	Ang	0.197233209	0.223488009
230619_at	aryl hydrocarbon receptor nuclear translocator	ARNT	0.447033504	0.408539294
208791_at	clusterin	clu	0.234118784	0.31378829
209081_s_at	collagen, type XVIII, alpha 1	COL18A1	0.404142603	0.428581574
213348_at	cyclin-dependent kinase inhibitor 1C (p57, Kip2)	CDKN1C	0.072982875	0.217824914
210240_s_at	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	CDKN2D	0.42098411	0.432600209
205676_at	cytochrome P450, family 27, subfamily B, polypeptide 1	CYP27B1	0.387758682	0.342966158
210762_s_at	deleted in liver cancer 1	DLC1	0.43491537	0.381222173
220198_s_at	eukaryotic translation initiation factor 5A2	Eif5a2	0.329788152	0.275823344
1568865_at	farnesyltransferase, CAAX box, beta	Fntb	0.377461613	0.337377764
214211_at	ferritin, heavy polypeptide 1; ferritin, heavy polypeptide-like 16; similar to ferritin, heavy polypeptide 1, FTHL16, FTHL20, FTHL21	FTL	0.289052813	0.453178575
235540_at	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone)	GNRH1	0.284859762	0.276761751
224065_at	homeodomain interacting protein kinase 2; similar to homeodomain interacting protein kinase	HIPK2	0.398561746	0.393716249
213931_at	201565_s_at inhibitor of DNA binding 2, dominant negative helix-loop-helix protein	ID2	0.453059246	0.44263695
209808_x_at	inhibitor of growth family, member 1	ing1	0.320235461	0.42800116
203851_at	insulin-like growth factor binding protein 6	IGFBP6	0.224433951	0.431181003
214022_s_at	interferon induced transmembrane protein 1 (9-27)	Ifitm1	0.294932289	0.255998617
202597_at	interferon regulatory factor 6	irf6	0.467361579	0.489718121
205067_at	interleukin 1, beta	IL1B	0.166641175	0.291466233
240674_at	jumonji, AT rich interactive domain 2	jarid2	0.354391641	0.471516114
225575_at	leukemia inhibitory factor receptor alpha	Lifr	0.204279538	0.394763311
209014_at	melanoma antigen family D, 1	MAGED1	0.260007584	0.230394745
211094_s_at	neurofibromin 1	NF1	0.375531966	0.359399371
213568_at	odd-skipped related 2 (Drosophila)	OSR2	0.279634771	0.468031076
1554008_at	oncostatin M receptor	OSMR	0.094552018	0.095146683
208510_s_at	peroxisome proliferator-activated receptor gamma	PPARG	0.375935612	0.311765646
209652_s_at	placental growth factor	PGF	0.471005017	0.340065464
205463_s_at	platelet-derived growth factor alpha polypeptide	PDGFA	0.41825733	0.47622183
238669_at	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	Ptgs1	0.381364425	0.338310079
1555579_s_at	protein tyrosine phosphatase, receptor type, M	PTPRM	0.49591241	0.45337905
204070_at	retinoic acid receptor responder (tazarotene induced) 3	rarrres3	0.20853025	0.248180239
202426_s_at	retinoid X receptor, alpha	RXRA	0.377553941	0.326156118
232231_at	runt-related transcription factor 2	Runx2	0.331853109	0.379947559
200665_s_at	secreted protein, acidic, cysteine-rich (osteonectin)	SPARC	0.412846203	0.412846203
201008_s_at	thioredoxin interacting protein	TXNIP	0.145545607	0.088585221
226625_at	transforming growth factor, beta receptor III	Tgfbr3	0.169205667	0.293792911
226213_at	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	0.122235906	0.132639774
211527_x_at	vascular endothelial growth factor A	VEGFA	0.174896099	0.261793574