

**Table 1 (supplemental material). List of all 60 3D differential genes on Affymetrix HG-U133A and Rosetta chips (Method 1).**

HG-U133A (60 genes)			Rosetta (55 genes)		
1 dl	200801_x_at	ACTB	1 dl	ACTB	NM_001101 Actin, beta
2 dl	208637_x_at	ACTN1	2 dl	ACTN1	BC003576 Actinin, alpha 1
3 ul	203382_s_at	APOE	3 ul	APOE	NM_000041 Apolipoprotein E
4 dl	219918_s_at	ASPM	4 dl	FLJ10517	NM_018123 asp (abnormal spindle)-like, microcephaly associated (Drosophila)
5 ul	205363_at	BBOX1	5 ul	BBOX	NM_003986 Butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1
6 ue	221478_at	BNIP3L	6 ue	BNIP3L	AL132665 BCL2/adenovirus E1B 19kDa interacting protein 3-like
7 dl	218542_at	C10orf3	7 dl	FLJ10540	NM_018131 Chromosome 10 open reading frame 3
8 ul	213508_at	C14orf147	8 ul		AA142942 Chromosome 14 open reading frame 147
9 dl	218456_at	C1QDC1			NM_023925 C1q domain containing 1
10 dl	209714_s_at	CDKN3	<b>not on chip</b>		
11 dl	204170_s_at	CKS2	9 dl	CDKN3	AF213033 Cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase)
12 ul	209283_at	CRYAB	10 dl	CKS2	NM_001827 CDC28 protein kinase regulatory subunit 2
13 ul	205595_at	DSG3	11 ul	CRYAB	AF007162 Crystallin, alpha B
14 dl	204014_at	DUSP4	12 ul	DSG3	NM_001944 Desmoglein 3 (pemphigus vulgaris antigen)
15 ue	201842_s_at	EFEMP1	13 dl	DUSP4	NM_001394 Dual specificity phosphatase 4
16 ue	201694_s_at	EGR1	14 ue	EFEMP1	AI826799 EGF-containing fibulin-like extracellular matrix protein 1
17 dl	214805_at	EIF4A1	15 ue	EGR1	NM_001964 Early growth response 1
18 ue	219599_at	EIF4B	16 dl	EIF4A1	U79273 Eukaryotic translation initiation factor 4A, isoform 1
19 dl	203499_at	EPHA2	17 ue	EIF4B	NM_018507 eukaryotic translation initiation factor 4B
20 dl	205014_at	FGFBP1	18 dl	EPHA2	NM_004431 EPH receptor A2
21 ue	206857_s_at	FKBP1B	19 dl	HBP17	NM_005130 Fibroblast growth factor binding protein 1
22 dl	218349_s_at	FLJ10036	20 ue	FKBP1B	NM_004116 FK506 binding protein 1B, 12.6 kDa
23 ue	218361_at	GOLPH3L	21 dl	FLJ10036	NM_017975 Zwlch
24 ue	219093_at	FLJ20701	22 ue	FLJ10687	NM_018178 Golgi phosphoprotein 3-like
25 ue	218880_at	FOSL2	23 ue	FLJ20701	NM_017933 Hypothetical protein FLJ20701
26 dl	202580_x_at	FOXM1	24 ue	FOSL2	N36408 FOS-like antigen 2
27 ul	201141_at	GPNMB	25 dl	FOXM1	NM_021953 Forkhead box M1
28 ue	200696_s_at	GSN	26 ul	GPNMB	NM_002510 Glycoprotein (transmembrane) nmb
29 dl	218663_at	HCAP-G	27 ue	vRK1	NM_000177 Gelsolin (amyloidosis, Finnish type)
30 ue	202718_at	IGFBP2	<b>not on chip</b>		NM_022346 Chromosome condensation protein G
31 ue	203494_s_at	PIG8	28 ue	IGFBP2	NM_000597 Insulin-like growth factor binding protein 2, 36kDa
32 de	212197_x_at	M-RIP	29 ue	KIAA0092	NM_014679 Translokoin
33 ul	218559_s_at	MAFB	30 de	KIAA0864	AB020671 Myosin phosphatase-Rho interacting protein
34 ul	213287_s_at	KRT10	31 ul	KRML	NM_005461 V-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)
35 ue	209894_at	LEPR	32 ul	KRT10	X14487 acidic (type I) cytokeratin 10
36 ue	219188_s_at	LRP16	33 ue	LEPR	U50748 Leptin receptor
37 de	208433_s_at	LRP8	34 ue	LRP16	NM_014067 LRP16 protein
38 dl	200790_at	ODC1	35 de	LRP8	NM_017522 Low density lipoprotein receptor-related protein 8, apolipoprotein e receptor
39 de	217997_at	PHLDA1	36 dl	ODC1	NM_002539 Ornithine decarboxylase 1
40 ue	203407_at	PPL	37 de	PHLDA1	AA576961 CDNA clone IMAGE:4514712, partial cds
41 ue	204547_at	RAB40B	38 ue	PPL	NM_002705 Perioplakin
42 dl	209773_s_at	RRM2	39 ue	SEC4L	NM_006822 RAB40B, member RAS oncogene family
43 ue	212698_s_at	SEPT10	40 dl	RRM2	BC001886 Ribonucleotide reductase M2 polypeptide
44 ul	202376_at	SERPINA3	41 ue		BF966021 Septin 10
45 dl	212190_at	SERPINE2	42 ul	SERPINA3	NM_001085 Ser (or cys) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3
46 de	201920_at	SLC20A1	<b>not on chip</b>		AL541302 Ser (or cys) proteinase inhibitor, clade E (nexin, plasminogen activator inhib type 1), member 2
47 ul	201416_at	SOX4	43 de	SLC20A1	NM_005415 Solute carrier family 20 (phosphate transporter), member 1
48 ue	213667_at	SRCAP	44 ul	SOX4	NM_003107 SRY (sex determining region Y)-box 4
49 ue	204675_at	SRD5A1	45 ue	SRCAP	AB002307 Snf2-related CBP activator protein
50 dl	204092_s_at	STK6	46 ue	SRD5A1	NM_001047 Steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)
51 ue	212459_x_at	SUCLG2	47 dl	STK6	NM_003600 Serine/threonine kinase 6
52 ul	212386_at	TCF4	48 ue	SUCLG2	BF593940 Succinate-CoA ligase, GDP-forming, beta subunit
53 de	201109_s_at	THBS1	49 ul	TCF4	AK021980 Transcription factor 4
54 dl	206467_x_at	TNFRSF6B	50 de	THBS1	AI812030 Thrombospondin 1
55 dl	204033_at	TRIP13	51 dl	TNFRSF6B	NM_003823 Tumor necrosis factor receptor superfamily, member 6b, decoy
56 dl	201714_at	TUBG1	52 dl	TRIP13	NM_004237 Thyroid hormone receptor interactor 13
57 dl	203856_at	VRK1	53 dl	TUBG1	NM_001070 Tubulin, gamma 1
58 ue	219001_s_at	WDR32	54 dl	VRK1	NM_003384 Vaccinia related kinase 1
59 ue	218645_at	ZNF277	<b>not on chip</b>		NM_024345 WD repeat domain 32
60 de	222108_at		55 ue	ZNF277	NM_021994 Zinc finger protein (C2H2 type) 277
			<b>not on chip</b>		AC004010 Homo sapiens BAC clone GS1-99H8 from 12, complete sequence.

**Ue = up early, ul = up late, de = down early**

**Table 2 (supplemental material). Identities of the 21 genes coordinately induced early in 3D time course (Method 1).**

Affy ID	Name	GenBank	Description
221478_at	BNIP3L	AL132665	BCL2/adenovirus E1B 19kDa interacting protein 3-like
219599_at	EIF4B	NM_018507	eukaryotic translation initiation factor 4B
219188_s_at	LRP16	NM_014067	LRP16 protein
219093_at	FLJ20701	NM_017933	hypothetical protein FLJ20701
219001_s_at	MGC10765	NM_024345	hypothetical protein MGC10765
218880_at	FOSL2	N36408	FOS-like antigen 2
218645_at	ZNF277	NM_021994	zinc finger protein (C2H2 type) 277
218361_at	GPP34R	NM_018178	GPP34-related protein
213667_at	SRCAP	AB002307	Snf2-related CBP activator protein
212698_s_at	SEPT10	BF966021	septin 10
212459_x_at	SUCLG2	BF593940	succinate-CoA ligase, GDP-forming, beta subunit
209894_at	LEPR	U50748	leptin receptor
206857_s_at	FKBP1B	NM_004116	FK506 binding protein 1B, 12.6 kDa
204675_at	SRD5A1	NM_001047	steroid-5-alpha-reductase, alpha ppt 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)
204547_at	RAB40B	NM_006822	RAB40B, member RAS oncogene family
203494_s_at	KIAA0092	NM_014679	translokain
203407_at	PPL	NM_002705	periplakin
202718_at	IGFBP2	NM_000597	insulin-like growth factor binding protein 2, 36kDa
201842_s_at	EFEMP1	A1826799	EGF-containing fibulin-like extracellular matrix protein 1
201694_s_at	EGR1	NM_001964	early growth response 1
200696_s_at	GSN	NM_000177	gelsolin (amyloidosis, Finnish type)

**Table 3 (supplemental material). Identities of the 6 genes coordinately repressed early in 3D time course (Method 1).**

Affy ID	Name	GenBank	Description
222108_at		AC004010	Homo sapiens BAC clone GS1-99H8 from 12
217997_at	PHLDA1	AA576961	pleckstrin homology-like domain, family A, member 1
214805_at	EIF4A1	U79273	eukaryotic translation initiation factor 4A, isoform 1
212197_x_at	M-RIP	AB020671	myosin phosphatase-Rho interacting protein
208433_s_at	LRP8	NM_017522	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor
201920_at	SLC20A1	NM_005415	solute carrier family 20 (phosphate transporter), member 1
201109_s_at	THBS1	A1812030	thrombospondin 1

**Table 4 (supplemental material). Identities of the 11 genes coordinately induced late in 3D time course (Method 1).**

Affy ID	Name	GenBank	Description
203382_s_at	APOE	NM_000041	Apolipoprotein E
205363_at	BBOX1	NM_003986	Butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1
213508_at	C14orf147	AA142942	Chromosome 14 open reading frame 147
209283_at	CRYAB	AF007162	Crystallin, alpha B
205595_at	DSG3	NM_001944	Desmoglein 3 (pemphigus vulgaris antigen)
201141_at	GNPMB	NM_002510	Glycoprotein (transmembrane) nmb
213287_s_at	KRT10	X14487	unnamed protein product; Human gene for acidic (type I) cytokeratin 10.
218559_s_at	MAFB	NM_005461	V-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)
202376_at	SERPINA3	NM_001085	Ser (or cys) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3
201416_at	SOX4	NM_003107	SRY (sex determining region Y)-box 4
212386_at	TCF4	AK021980	Transcription factor 4

**Table 5 (supplemental material). Identities of the 22 genes coordinately repressed late in 3D time course (Method 1).**

Affy ID	Name	GenBank	Description
200801_x_at	ACTB	NM_001101	Actin, beta
208637_x_at	ACTN1	BC003576	Actinin, alpha 1
219918_s_at	ASPM	NM_018123	Homo sapiens asp (abnormal spindle)-like, microcephaly associated (Drosophila) (ASPM)
218542_at	C10orf3	NM_018131	Chromosome 10 open reading frame 3
218456_at	C1QDC1	NM_023925	C1q domain containing 1
209714_s_at	CDKN3	AF213033	Cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase)
204170_s_at	CKS2	NM_001827	CDC28 protein kinase regulatory subunit 2
204014_at	DUSP4	NM_001394	Dual specificity phosphatase 4
214805_at	EIF4A1	U79273	Eukaryotic translation initiation factor 4A, isoform 1
203499_at	EPHA2	NM_004431	EPH receptor A2
205014_at	FGFBP1	NM_005130	Fibroblast growth factor binding protein 1
218349_s_at	FLJ10036	NM_017975	Zwilch
202580_x_at	FOXM1	NM_021953	Forkhead box M1
218663_at	HCAP-G	NM_022346	Chromosome condensation protein G
200790_at	ODC1	NM_002539	Ornithine decarboxylase 1
209773_s_at	RRM2	BC001886	Ribonucleotide reductase M2 polypeptide
212190_at	SERPINE2	AL541302	Ser (or cys) proteinase inhibitor, clade E (nexin, plasminogen activator inhib type 1), member 2
204092_s_at	STK6	NM_003600	Serine/threonine kinase 6
206467_x_at	TNFRSF6B	NM_003823	Tumor necrosis factor receptor superfamily, member 6b, decoy
204033_at	TRIP13	NM_004237	Thyroid hormone receptor interactor 13
201714_at	TUBG1	NM_001070	Tubulin, gamma 1
203856_at	VRK1	NM_003384	Vaccinia related kinase 1

**Table 6 (supplemental material). Identities of 287 genes coordinately repressed late in 3D time course (Method 2).**

Affymetrix ID	Name	GenBank	Description
219918_s_at	ASPM	NM_018123	(abnormal spindle)-like, microcephaly associated
203939_at	NT5E	NM_002526	5'-nucleotidase, ecto (CD73)
212552_at	HPCAL1	BE617588	601441509T1 NIH_MGC_65 Homo sapiens cDNA clone IMAGE:3845643 3', m
46167_at	TTC4	W22690	71G4 Human retina cDNA Tsp509I-cleaved sublibrary
212186_at	ACACA	BE855983	Acetyl-Coenzyme A carboxylase alpha
221505_at	ANP32E	AW612574	Acidic (leucine-rich) nuclear phosphoprotein 32 family, member E
200801_x_at	ACTB	NM_001101	Actin, beta
212363_x_at	ACTG1	AU145192	Actin, gamma 1
208636_at	ACTN1	AI082078	Actinin, alpha 1
204244_s_at	ASK	NM_006716	Activator of S phase kinase
201096_s_at	ARF4	AL537042	ADP-ribosylation factor 4
202207_at	ARL7	NM_005737	ADP-ribosylation factor-like 7
208722_s_at	ANAPC5	BC001081	Anaphase promoting complex subunit 5
200782_at	ANXA5	NM_001154	Annexin A5
212584_at	AQR	AB011132	Aquarius homolog (mouse)
202655_at	ARMET	NM_006010	Arginine-rich, mutated in early stage tumors
203545_at	ALG8	NM_024079	Asparagine-linked glycosylation 8 homolog (yeast, alpha-1,3-glucosyltransferas
202095_s_at	BIRC5	NM_001168	Baculoviral IAP repeat-containing 5 (survivin)
207618_s_at	BCS1L	NM_004328	BCS1-like (yeast)
205733_at	BLM	NM_000057	Bloom syndrome
205345_at	BARD1	NM_000465	BRCA1 associated RING domain 1
204032_at	BCAR3	NM_003567	Breast cancer anti-estrogen resistance 3
217777_s_at	HSPC121	NM_016395	Butyrate-induced transcript 1
209563_x_at	CALM1	BC000454	Calmodulin 1 (phosphorylase kinase, delta)
207243_s_at	CALM2	NM_001743	Calmodulin 2 (phosphorylase kinase, delta)
200625_s_at	CAP1	NM_006367	CAP, adenylate cyclase-associated protein 1 (yeast)
202715_at	CAD	NM_004341	Carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroc
212073_at	CSNK2A1	AI161318	Casein kinase 2, alpha 1 polypeptide
218250_s_at	CNOT7	NM_013354	CCR4-NOT transcription complex, subunit 7
201897_s_at	CKS1B	NM_001826	CDC28 protein kinase regulatory subunit 1B
204170_s_at	CKS2	NM_001827	CDC28 protein kinase regulatory subunit 2
204126_s_at	CDC45L	NM_003504	CDC45 cell division cycle 45-like ( <i>S. cerevisiae</i> )
203967_at	CDC6	U77949	CDC6 cell division cycle 6 homolog ( <i>S. cerevisiae</i> )
204510_at	CDC7	NM_003503	CDC7 cell division cycle 7 ( <i>S. cerevisiae</i> )
217996_at	PHLDA1	AA576961	CDNA clone IMAGE:4514712, partial cds
203213_at	CDC2	AL524035	Cell division cycle 2, G1 to S and G2 to M
204695_at	CDC25A	AI343459	Cell division cycle 25A
221436_s_at	CDCA3	NM_031299	Cell division cycle associated 3
204962_s_at	CENPA	NM_001809	Centromere protein A, 17kDa
219030_at	CGI-121	NM_016058	CGI-121 protein
201946_s_at	CCT2	AL545982	Chaperonin containing TCP1, subunit 2 (beta)
203976_s_at	CHAF1A	NM_005483	Chromatin assembly factor 1, subunit A (p150)
218299_at	C11orf24	NM_022338	Chromosome 11 open reading frame 24
60474_at	C20orf42	AA469071	Chromosome 20 open reading frame 42
220094_s_at	C6orf79	NM_022102	Chromosome 6 open reading frame 79
212714_at	LOC113251	AL050205	C-Mpl binding protein
211964_at	COL4A2	AK025912	Collagen, type IV, alpha 2
201112_s_at	CSE1L	NM_001316	CSE1 chromosome segregation 1-like (yeast)
218451_at	CDCP1	NM_022842	CUB domain-containing protein 1
218970_s_at	CUTC	NM_015960	CutC copper transporter homolog ( <i>E.coli</i> )

204826_at	CCNF	NM_001761	Cyclin F
204252_at	CDK2	M68520	Cyclin-dependent kinase 2
209714_s_at	CDKN3	AF213033	Cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase)
218447_at	DC13	NM_020188	DC13 protein
208149_x_at	DDX11	NM_030653	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (CHL1-like helicase homolog)
201385_at	DHX15	NM_001358	DEAH (Asp-Glu-Ala-His) box polypeptide 15
220295_x_at	DEPDC1	NM_017779	DEP domain containing 1
202533_s_at	DHFR	BC003584	Dihydrofolate reductase
203230_at	DVL1	AF006011	Dishevelled, dsh homolog 1 (Drosophila)
202115_s_at	DKFZP564C186	NM_015658	DKFZP564C186 protein
221521_s_at	Pfs2	BC003186	DNA replication complex GINS protein PSF2
221781_s_at	DNAJC10	AL137648	DnaJ (Hsp40) homolog, subfamily C, member 10
204014_at	DUSP4	NM_001394	Dual specificity phosphatase 4
208891_at	DUSP6	BC003143	Dual specificity phosphatase 6
209932_s_at	DUT	U90223	DUTP pyrophosphatase
203105_s_at	DNM1L	NM_012062	Dynamamin 1-like
208112_x_at	EHD1	NM_006795	EH-domain containing 1
221773_at	ELK3	AW575374	ELK3, ETS-domain protein (SRF accessory protein 2)
			ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SURF8) (yeast)
204256_at	ELOVL6	NM_024090	
203499_at	EPHA2	NM_004431	EPH receptor A2
211603_s_at	ETV4	U35622	Ets variant gene 4 (E1A enhancer binding protein, E1AF)
204905_s_at	EEF1E1	NM_004280	Eukaryotic translation elongation factor 1 epsilon 1
201025_at	EIF5B	NM_015904	Eukaryotic translation initiation factor 5B
215136_s_at	EXOSC8	AL050353	Exosome component 8
211982_x_at	XPO6	AL546600	Exportin 6
201889_at	FAM3C	NM_014888	Family with sequence similarity 3, member C
205014_at	FGFBP1	NM_005130	Fibroblast growth factor binding protein 1
212464_s_at	FN1	X02761	Fibronectin 1
200859_x_at	FLNA	NM_001456	Filamin A, alpha (actin binding protein 280)
208613_s_at	FLNB	AV712733	Filamin B, beta (actin binding protein 278)
200894_s_at	FKBP4	AA894574	FK506 binding protein 4, 59kDa
204768_s_at	FEN1	NM_004111	Flap structure-specific endonuclease 1
202580_x_at	FOXM1	NM_021953	Forkhead box M1
213729_at	FNBP3	Z78308	Formin binding protein 3
204420_at	FOSL1	BG251266	FOS-like antigen 1
213594_x_at	FUSIP1	AU130523	FUS interacting protein (serine-arginine rich) 1
216232_s_at	GCN1L1	AI697055	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)
219539_at	GEMIN6	NM_024775	Gem (nuclear organelle) associated protein 6
221540_x_at	GTF2H2	AF078847	General transcription factor IIH, polypeptide 2, 44kDa
202722_s_at	GFPT1	NM_002056	Glutamine-fructose-6-phosphate transaminase 1
213133_s_at	IQWD1	BE908931	Glycine cleavage system protein H (aminomethyl carrier)
218473_s_at	GLT25D1	NM_024656	Glycosyltransferase 25 domain containing 1
200744_s_at	GNB1	NM_002074	Guanine nucleotide binding protein (G protein), beta polypeptide 1
202487_s_at	H2AFV	NM_012412	H2A histone family, member V
200853_at	H2AFZ	NM_002106	H2A histone family, member Z
210112_at	HPS1	U96721	Hermansky-Pudlak syndrome 1
203138_at	HAT1	NM_003642	Histone acetyltransferase 1
218092_s_at	HRB	NM_004504	HIV-1 Rev binding protein
200041_s_at	BAT1	NM_004640	HLA-B associated transcript 1
216607_s_at	CYP51P2	U40053	Human lanosterol 14-alpha demethylase (CYP51P2) processed pseudogene, complete cds
	MT1F;		
217165_x_at	MGC32732	M10943	human metallothionein-I $\epsilon$ ; Human metallothionein-I $\epsilon$ gene (hMT-I $\epsilon$ ).
202347_s_at	HIP2	AB022435	Huntingtin interacting protein 2
203040_s_at	HMBS	NM_000190	Hydroxymethylbilane synthase

221849_s_at	LOC90379	AI073983	Hypothetical protein BC002926
218726_at	DKFZp762E1312	NM_018410	Hypothetical protein DKFZp762E1312
218073_s_at	FLJ10407	NM_018087	Hypothetical protein FLJ10407
213008_at	FLJ10719	BG478677	Hypothetical protein FLJ10719
218051_s_at	FLJ12442	NM_022908	Hypothetical protein FLJ12442
207856_s_at	FLJ20297	NM_017951	Hypothetical protein FLJ20297
219002_at	FLJ21901	NM_024622	Hypothetical protein FLJ21901
218300_at	MGC4606	NM_024516	Hypothetical protein MGC4606
218847_at	IMP-2	NM_006548	IGF-II mRNA-binding protein 2
204169_at	IMPDH1	NM_000883	IMP (inosine monophosphate) dehydrogenase 1
203011_at	IMPA1	NM_005536	Inositol(myo)-1(or 4)-monophosphatase 1
201474_s_at	ITGA3	NM_002204	Integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)
201125_s_at	ITGB5	NM_002213	Integrin, beta 5
208930_s_at	ILF3	BG032366	Interleukin enhancer binding factor 3, 90kDa
201587_s_at	IRAK1	NM_001569	Interleukin-1 receptor-associated kinase 1
208881_x_at	IDI1	BC005247	Isopentenyl-diphosphate delta isomerase
204615_x_at	IDI1	NM_004508	Isopentenyl-diphosphate delta isomerase
200700_s_at	KDELR2	NM_006854	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2
212396_s_at	KIAA0090	D42044	KIAA0090 protein
212832_s_at	ch-TOG	AI143124	KIAA0097 gene product
216251_s_at	KIAA0153	BF965437	KIAA0153 protein
206102_at	KIAA0186	NM_021067	KIAA0186 gene product
212898_at	KIAA0406	AB007866	KIAA0406 gene product
213088_s_at	KIAA0974	BF240590	KIAA0974
217196_s_at	KIAA1078	AL110158	KIAA1078 protein
221901_at	KIAA1644	BF516072	KIAA1644 protein
211519_s_at	KIF2C	AY026505	Kinesin family member 2C
218355_at	KIF4A	NM_012310	Kinesin family member 4A
204162_at	KNTC2	NM_006101	Kinetochores associated 2
200650_s_at	LDHA	NM_005566	Lactate dehydrogenase A
202267_at	LAMC2	NM_005562	Laminin, gamma 2
221641_s_at	ACATE2	AF241787	Likely ortholog of mouse acyl-Coenzyme A thioesterase 2, mitochondrial
202068_s_at	LDLR	NM_000527	Low density lipoprotein receptor (familial hypercholesterolemia)
203007_x_at	LYPLA1	AF077198	Lysophospholipase I
209397_at	ME2	BC000147	Malic enzyme 2, NAD(+)-dependent, mitochondrial
204825_at	MELK	NM_014791	Maternal embryonic leucine zipper kinase
202107_s_at	MCM2	NM_004526	MCM2 minichromosome maintenance deficient 2, mitotin ( <i>S. cerevisiae</i> )
201555_at	MCM3	NM_002388	MCM3 minichromosome maintenance deficient 3 ( <i>S. cerevisiae</i> )
201930_at	MCM6	NM_005915	MCM6 minichromosome maintenance deficient 6 (MIS5 homolog, <i>S. pombe</i> ) ( <i>S. pombe</i> )
210983_s_at	MCM7	AF279900	MCM7 minichromosome maintenance deficient 7 ( <i>S. cerevisiae</i> )
208581_x_at	MT1X	NM_005952	Metallothionein 1X
212185_x_at	MT2A	NM_005953	Metallothionein 2A
202309_at	MTHFD1	NM_005956	Methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase
209265_s_at	METTL3	BC001650	Methyltransferase like 3
222216_s_at	MRPL17	AK026857	Mitochondrial ribosomal protein L17
208787_at	MRPL3	BC003375	Mitochondrial ribosomal protein L3
218890_x_at	MRPL35	NM_016622	Mitochondrial ribosomal protein L35
206571_s_at	MAP4K4	NM_004834	Mitogen-activated protein kinase kinase kinase kinase 4
219588_s_at	MTB	NM_017760	More than blood homolog
218463_s_at	MUS81	NM_025128	MUS81 endonuclease homolog (yeast)
201153_s_at	MBNL1	NM_021038	Muscleblind-like ( <i>Drosophila</i> )
202911_at	MSH6	NM_000179	MutS homolog 6 ( <i>E. coli</i> )
211926_s_at	MYH9	AI827941	Myosin, heavy polypeptide 9, non-muscle
218133_s_at	NIF3L1	NM_021824	NIF3 NGG1 interacting factor 3-like 1 ( <i>S. pombe</i> )

201970_s_at	NASP	NM_002482	Nuclear autoantigenic sperm protein (histone-binding)
218269_at	RNASE3L	NM_013235	Nuclear RNase III Drosha
211951_at	NOLC1	D21262	Nucleolar and coiled-body phosphoprotein 1
218039_at	NUSAP1	NM_016359	Nucleolar and spindle associated protein 1
217962_at	NOLA3	NM_018648	Nucleolar protein family A, member 3 (H/ACA small nucleolar RNPs)
218768_at	NUP107	NM_020401	Nucleoporin 107kDa
202097_at	NUP153	NM_005124	Nucleoporin 153kDa
212691_at	NUP188	AW131863	Nucleoporin 188kDa
212247_at	NUP205	AW008531	Nucleoporin 205kDa
218622_at	NUP37	NM_024057	Nucleoporin 37kDa
219347_at	NUDT15	NM_018283	Nudix (nucleoside diphosphate linked moiety X)-type motif 15
200790_at	ODC1	NM_002539	Ornithine decarboxylase 1
200906_s_at	KIAA0992	AK025843	Palladin
214121_x_at	PDLIM7	AA086229	PDZ and LIM domain 7 (enigma)
218014_at	PCNT1	NM_024844	Pericentrin 1
208680_at	PRDX1	L19184	Peroxiredoxin 1
201619_at	PRDX3	NM_006793	Peroxiredoxin 3
200738_s_at	PGK1	NM_000291	Phosphoglycerate kinase 1
208447_s_at	PRPS1	NM_002764	Phosphoribosyl pyrophosphate synthetase 1
			Phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole
			succinocarboxamide synthetase
201014_s_at	PAICS	NM_006452	pitriylsin metalloproteinase 1
205273_s_at	PITRM1	NM_014968	Pituitary tumor-transforming 1
203554_x_at	PTTG1	NM_004219	Plasminogen activator, urokinase receptor
210845_s_at	PLAUR	U08839	Pleckstrin 2
218644_at	PLEK2	NM_016445	PMS1 postmeiotic segregation increased 1 ( <i>S. cerevisiae</i> )
213677_s_at	PMS1	BG434893	Polo-like kinase 1 ( <i>Drosophila</i> )
202240_at	PLK1	NM_005030	Poly (ADP-ribose) polymerase family, member 2
214086_s_at	PARP2	AK001980	Polyhomeotic-like 2 ( <i>Drosophila</i> )
200919_at	PHC2	NM_004427	Polymerase (DNA directed), alpha
204835_at	POLA	NM_016937	Polymerase (DNA directed), epsilon 3 (p17 subunit)
208828_at	POLE3	BC004170	Polymerase (DNA directed), theta
219510_at	POLQ	NM_006596	Polymerase (RNA) mitochondrial (DNA directed)
203782_s_at	POLRMT	NM_005035	predicted protein of HQ0998; <i>Homo sapiens</i> PRO0998 mRNA, complete cds.
211162_x_at	SCD	AF116616	
	FN1; CIG; MSF;		
210495_x_at	FINC; LETS	AF130095	predicted protein of HQ2841; <i>Homo sapiens</i> clone FLC0562 PRO2841 mRNA,
209482_at	POP7	BC001430	Processing of precursor 7, ribonuclease P subunit ( <i>S. cerevisiae</i> )
202185_at	PLOD3	NM_001084	Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3
200634_at	PFN1	NM_005022	Profilin 1
217861_s_at	PREB	NM_013388	Prolactin regulatory element binding
200039_s_at	PSMB2	NM_002794	Proteasome (prosome, macropain) subunit, beta type, 2
210543_s_at	PRKDC	U34994	Protein kinase, DNA-activated, catalytic polypeptide
202313_at	PPP2R2A	NM_002717	Protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform
218009_s_at	PRC1	NM_003981	Protein regulator of cytokinesis 1
209161_at	PRPF4	AI184802	PRP4 pre-mRNA processing factor 4 homolog (yeast)
209780_at	PHTF2	AL136883	Putative homeodomain transcription factor 2
222077_s_at	RACGAP1	AU153848	Rac GTPase activating protein 1
202483_s_at	RANBP1	NM_002882	RAN binding protein 1
218526_s_at	RANGNRF	NM_014185	RAN guanine nucleotide release factor (RANGNRF)
209444_at	RAP1GDS1	BC001851	RAP1, GTP-GDP dissociation stimulator 1
218585_s_at	RAMP	NM_016448	RA-regulated nuclear matrix-associated protein
204127_at	RFC3	BC000149	Replication factor C (activator 1) 3, 38kDa
209507_at	RPA3	BC005264	Replication protein A3, 14kDa
202052_s_at	RAI14	NM_015577	Retinoic acid induced 14
212724_at	ARHE	BG054844	Rho family GTPase 3

211716_x_at	ARHGDI A	BC005851	Rho GDP dissociation inhibitor (GDI) alpha
213867_x_at	ARHGEF10	AA809056	Rho guanine nucleotide exchange factor (GEF) 10
203022_at	RNASEH2A	NM_006397	Ribonuclease H2, large subunit
201890_at	RRM2	NM_001034	Ribonucleotide reductase M2 polypeptide
218564_at	RFWD3	BC002574	Ring finger and WD repeat domain 3
218738_s_at	RNF138	NM_016271	Ring finger protein 138
211686_s_at	RBM13	AF251062	RNA binding motif protein 13
212033_at	RBM25	BE466128	RNA binding motif protein 25
206499_s_at	CHC1	NM_001269	RNA, U17D small nucleolar
201583_s_at	SEC23B	NM_006363	Sec23 homolog B ( <i>S. cerevisiae</i> ) Serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator member 2
212190_at	SERPINE2	AL541302	
202786_at	STK39	NM_013233	Serine threonine kinase 39 (STE20/SPS1 homolog, yeast)
201225_s_at	SRRM1	NM_005839	Serine/arginine repetitive matrix 1
202693_s_at	STK17A	NM_004760	Serine/threonine kinase 17a (apoptosis-inducing)
204092_s_at	STK6	NM_003600	Serine/threonine kinase 6
202200_s_at	SRPK1	NM_003137	SFRS protein kinase 1
219256_s_at	SH3TC1	NM_018986	SH3 domain and tetratricopeptide repeats 1
211456_x_at		AF333388	Similar to 60S ribosomal protein L35
201139_s_at	SSB	NM_003142	Sjogren syndrome antigen B (autoantigen La)
217786_at	SKB1	NM_006109	SKB1 homolog ( <i>S. pombe</i> )
214734_at	SLAC2-B	AB014524	SLAC2-B
206055_s_at	SNRPA1	NM_003090	Small nuclear ribonucleoprotein polypeptide A'
203832_at	SNRPF	NM_003095	Small nuclear ribonucleoprotein polypeptide F
201664_at	SMC4L1	AL136877	SMC4 structural maintenance of chromosomes 4-like 1 (yeast)
207390_s_at	SMTN	NM_006932	Smoothelin
202043_s_at	SMS	NM_004595	Spermine synthase
203625_x_at	SKP2	BG105365	S-phase kinase-associated protein 2 (p45)
200687_s_at	SF3B3	NM_012426	Splicing factor 3b, subunit 3, 130kDa
213742_at	SFRS11	AW241752	Splicing factor, arginine/serine-rich 11
201696_at	SFRS4	NM_005626	Splicing factor, arginine/serine-rich 4
204011_at	SPRY2	NM_005842	Sprouty homolog 2 ( <i>Drosophila</i> )
209218_at	SQLE	AF098865	Squalene epoxidase
212845_at	SAMD4	AB028976	Sterile alpha motif domain containing 4
209478_at	STRA13	U95006	Stimulated by retinoic acid 13 homolog (mouse)
221845_s_at	SKD3	AI655698	Suppressor of potassium transport defect 3
217815_at	SUPT16H	NM_007192	Suppressor of Ty 16 homolog ( <i>S. cerevisiae</i> ) SWI/SNF related, matrix associated, actin dependent regulator of chromatin, su member 4
212520_s_at	SMARCA4	AI684141	
204078_at	SC65	NM_006455	Synaptonemal complex protein SC65
41037_at	TEAD4	U63824	TEA domain family member 4
208864_s_at	TXN	AF313911	Thioredoxin
221253_s_at	TXNDC5	NM_030810	Thioredoxin domain containing 5
207668_x_at	TXNDC7	NM_005742	Thioredoxin domain containing 7 (protein disulfide isomerase)
207891_s_at	TREX2	NM_017518	three prime repair exonuclease 2
203432_at	TMPO	AW272611	Thymopoietin
204033_at	TRIP13	NM_004237	Thyroid hormone receptor interactor 13
203046_s_at	TIMELESS	NM_003920	Timeless homolog ( <i>Drosophila</i> )
219258_at	FLJ20516	NM_017858	Timeless-interacting protein
219169_s_at	TFB1M	NM_016020	Transcription factor B1, mitochondrial
204822_at	TTK	NM_003318	TTK protein kinase
201714_at	TUBG1	NM_001070	Tubulin, gamma 1
218368_s_at	TNFRSF12A	NM_016639	Tumor necrosis factor receptor superfamily, member 12A
206467_x_at	TNFRSF6B	NM_003823	Tumor necrosis factor receptor superfamily, member 6b, decoy
200599_s_at	TRA1	NM_003299	Tumor rejection antigen (gp96) 1



201020_at	YWHAH	NM_003405	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, e
219960_s_at	UCHL5	NM_015984	Ubiquitin carboxyl-terminal hydrolase L5
202413_s_at	USP1	NM_003368	Ubiquitin specific protease 1
200964_at	UBE1	NM_003334	Ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity comp
201523_x_at	UBE2N	BE262760	Ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)
202528_at	GALE	NM_000403	UDP-galactose-4-epimerase
209340_at	UAP1	S73498	UDP-N-acteylglucosamine pyrophosphorylase 1
200627_at	TEBP	BC003005	Unactive progesterone receptor, 23 kD
219555_s_at	BM039	NM_018455	Uncharacterized bone marrow protein BM039
203234_at	UPP1	NM_003364	Uridine phosphorylase 1
209825_s_at	UCK2	BC002906	Uridine-cytidine kinase 2
203856_at	VRK1	NM_003384	Vaccinia related kinase 1
207163_s_at	AKT1	NM_005163	V-akt murine thymoma viral oncogene homolog 1
200931_s_at	VCL	NM_014000	Vinculin
210561_s_at	WSB1	AL110243	WD repeat and SOCS box-containing 1
222037_at	MCM4	AI859865	wm21f03.x1 NCI_CGAP_Ut4 Homo sapiens cDNA clone IMAGE:2436605
209053_s_at	WHSC1	AF083389	Wolf-Hirschhorn syndrome candidate 1
217821_s_at	WBP11	AF118023	WW domain binding protein 11
216299_s_at	XRCC3	AK022829	X-ray repair complementing defective repair in Chinese hamster cells 3
204026_s_at	ZWINT	NM_007057	ZW10 interactor
217946_s_at	SAE1	NM_016402	
216336_x_at		AL031602	
215714_s_at	SMARCA4	AF254822	
213175_s_at	SNRPB	AL049650	