

Supplementary Material

Table 1. Genes that are up- or downregulated more than 5-fold at either day 2, 4 or 9 of differentiation. Coloured boxes represent changes in transcript expression; red: over 20-fold increase; orange: 10 to 20-fold increase; yellow: 5 to 10-fold increase; green: 5 to 10-fold decrease, blue: 10 to 20-fold decrease, purple: more than 20-fold decrease and black: a fold change smaller than a 5-fold increase or decrease.

Acc No	Description	day 2	day4	day9
AA396357	vb27h04.r1 Soares mouse lymph node NbMLN Mus musculus cDNA clone 750199 5'	33	34	17
M31690	argininosuccinate synthetase (Ass)	33	25	21
AA182325	mt85a10.r1 Soares mouse lymph node NbMLN Mus musculus cDNA clone 636666	22	29	23
X53929	PGII (decorin).	19	64	123
AA028770	cysteine-rich protein (CRP2)	19	23	16
X70296	protease-nexin 1	17	15	5
X66405	collagen alpha1(VI)-collagen.	16	22	31
X60367-2	cellular retinol binding protein I	14	28	24
L05439	insulin-like growth factor binding protein 2	13	23	12
X51905	lactate dehydrogenase-B	12	12	8
U37226	plasma phospholipid transfer protein	10	22	15
Z25524	integrin associated protein	10	20	16
X51905	lactate dehydrogenase-B	10	9	6
D00613	matrix Gla protein (MGP)	10	20	6
D13664	osteoblast specific factor 2	10	53	21
AF019385	heparan sulfate D-glucosaminyl 3-O-sulfotransferase-1 precursor (3OST1)	10	13	9
X61800	C/EBP delta.	9	17	21
AA107895	similar to cathepsinD	9	11	8
L28177	Gadd45	9	14	15
AA073230	cathepsin D	9	11	8
W77105	me58c12.r1 Soares mouse embryo NbME13.5 14.5 Mus musculus cDNA clone 391702 5'.	9	8	8
AA185999	mu56h09.r1 Soares mouse lymph node NbMLN Mus musculus cDNA clone 643457 5'	9	15	14
U05673	adenosine receptor subtype	9	8	7
AA166440	similar to phosphatidylserine decarboxylase	8	18	11
X70398	P311	8	9	11
AA122717	similar to dipeptidyl peptidase.	7	11	6
X70398	P311	7	10	11
D14883	Mouse mRNA for C33/R2/IA4, complete cds	7	9	8
J05261	Mouse protective protein (Mo54)	7	9	7
W50102	mb07e06.r1 Mus musculus cDNA, 5' end	7	11	7
AF017175	liver carnitine palmitoyltransferase I	7	8	6
AA239103	similar to Ganglioside Expression Factor-2 (GEF-2)	7	6	6
C78076	Mouse 3.5-dpc blastocyst cDNA Mus musculus cDNA clone J0042D09	6	9	7
AA387033	vc81e03.r1 Ko mouse embryo 11 5dpc Mus musculus cDNA clone 789436 5'	5	7	9
X65128	gas1	5	20	35
AA145127	similar to serine (or cysteine) proteinase inhibitor (SERPINB1)	31		
AA125310	similar to serine (or cysteine) proteinase inhibitor (SERPINB1)	18		
U32395	Max-interacting transcriptional repressor (Mad4)	9		
M90397	bcl-3	8		
X52875	homeobox gene Pnx2	7		
AA060106	similar to annexinVIII	7		
AA271049	va85c10.r1 Soares mouse NML Mus musculus cDNA clone 738162 5'	7		
M64292	TIS21	7		
W14823	similar to integrin beta 5 subunit	6		
J03880	UDP-galactose:N-acetylglucosamine galactosyltransferase.	6		
Z37110	cyclin G.	5		
U69599	interferon gamma receptor second chain (ifngr2)	5		
AA137984	mq97h02.r1 Soares mouse 3NbMS Mus musculus cDNA clone 595923 5'		19	
U29762	albumin gene D-Box binding protein ge		19	
L48687	voltage-dependent Na+ channel beta-1 subunit		18	
AA267327	similar to KCC4 (potassium-chloride cotransporter 4)		15	
U29947	alpha-D-mannosidase (Man2b1)		13	
L04678	integrin beta 4 subunit		12	
AJ002390	Mus musculus mRNA for annexin VIII.		12	
W08455	similar to hydroxyacyl glutathione hydrolase		10	
AA111277	similar to neural visinin-like Ca2+-binding protein		9	
AA027744	mi14h02.r1 Soares mouse p3NMF19.5 Mus musculus cDNA clone 463539 5'		8	
L77867	MEP		8	
AA220798	my26b12.r1 Barstead mouse pooled organs MPLRB4 Mus musculus cDNA clone 696959		8	
ET62402	Meis1-related protein 1b (Mrg1b)cds.		7	
AA015076	similar to PUTATIVE REGULATORY PROTEIN TSC-22		7	
U36799	retinoblastoma-related protein Rb2/p1		7	
U10440	G1 cyclin-Cdk protein kinase inhibitor p27		7	
X99239	goosecoid homeobox.		7	
W48215	mc88d02.r1 Soares mouse embryo NbME13.5 14.5 Mus musculus cDNA clone 355587 5', mRNA sequence.		6	
AA268367	similar to Wdr6		6	
AA230405	similar to choline transporter (CHOT1).		6	
M36777	GTP-binding protein alpha subunit (G0A-alpha)		6	
AA271939	similar to SM22 gene		6	
X66976	col8a1 gene		6	
M27960	interleukin-4 receptor (secreted form)		6	
AA268226	va97e03.r1 Soares mouse NML Mus musculus cDNA clone 747388 5'		6	
D86344	Topoisomerase-inhibitor suppressed		6	
AA060905	GDP-dissociation inhibitor		6	
AA163314	mr25b11.r1 Soares mouse 3NbMS Mus musculus cDNA clone 598461 5'		5	
AA168061	similar to cytosolic adenylate kinase		5	
X61172	alpha-mannosidase II.		5	
Y09257	NOV protein.		5	
W99205	m89g09.r1 Soares mouse embryo NbME13.5 14.5 Mus musculus cDNA clone 421504 5', mRNA sequence.		5	
AA030688	mi22g02.r1 Soares mouse embryo NbME13.5 14.5 Mus musculus cDNA clone 464306 5'		5	
D26483	PE31/TALLA		5	
AA189739	mu55e09.r1 Soares mouse lymph node NbMLN Mus musculus cDNA clone 643336 5'		5	
X69902	integrin alpha6 subunit		5	
Z14252	ASM-1 mRNA for acidic sphingomyelinase.		5	
AA162205	similar to phosphatidylserine decarboxylase.			40
X68837	secretogranin II			16
X83202	11beta-hydroxysteroid dehydrogenase/carbonyl reductase.			9
D21165	neural visinin-like Ca2+-binding protein type 1 (NVP-1)			9
L12447	insulin-like growth factor binding protein 5 (IGFBP5)			9
U43298	laminin beta3 chain			8
AA238081	similar to gb.M14058 COMPLEMENT C1R COMPONENT PRECURSOR (HUMAN);			8
U07235	aldehyde dehydrogenase			8
J04632	glutathione S-transferase (GST1-1)			7
AF017989	secreted apoptosis related protein 1 (Sarp1)			7

U04299	mannosyl-oligosaccharide alpha			7
U49430	ceruloplasmin			7
W09590	similar to PROTEIN-TYROSINE PHOSPHATASE ZETA PRECURSOR			7
W08269	similar to PIGMENT EPITHELIUM-DERIVED FACTOR PRECURSOR			7
M69293	ld2 protein			7
AA034739	similar to growth factor receptor bound protein 2-associated protein 1			6
AA237244	mx17g06.r1 Soares mouse NML Mus musculus cDNA clone 680506 5'			6
W48503	mb03h06.r1 Mus musculus cDNA, 5' end			6
U24674	Max interacting protein 1			6
W85443	mf45c10.r1 Soares mouse embryo NbME13.5 14.5 Mus musculus cDNA clone 408018 5', mRNA sequence.			6
AA462551	similar to MAP4K3			5
W20721	mb90a11.r1 Soares mouse p3NMF19.5 Mus musculus cDNA clone 336668 5', mRNA sequence.			5
U07235	aldehyde dehydrogenase			5
X12507	protein synthesis initiation factor 4AII.			5
Z31137	MMTEST422 Mouse testis T-ZAP Mus musculus cDNA, mRNA sequence.			5
AA238171	similar to gb:M83742 PTERIN-4-ALPHA-CARBINOLAMINE DEHYDRATASE (HUMAN)			5
X52886	cathepsin D.			5
X99572	new member of PDGF/VEGF family of growth factors.	8	21	
D78382	tob family	7	8	
AA273938	similar to agrin	7	7	
W54374	similar to the melanoma antigen (maged2).	7	8	
W40670	similar to adenylate kinase	6	5	
X74760	Notch 3.	6	7	
X52046	collagen alpha-I.	6	6	
W82380	mf03h01.r1 Soares mouse p3NMF19.5 Mus musculus cDNA clone 404017	6	6	
W57339	similar to Na+,K+ ATPase beta subunit		43	46
AA590354	similar to transcobalamin 2.		25	19
U96401	aldehyde dehydrogenase Ahd-2-like		22	10
M31690	argininosuccinate synthetase (Ass) mRNA.		19	15
AA106190	ml89e12.r1 Mus musculus cDNA, 5' end		14	9
M73483	GST Yc		14	44
M32745	transforming growth factor beta-3		14	10
AA271199	vb79d10.r1 Soares mouse 3NME12 5 Mus musculus cDNA clone 763219 5'		13	8
X85990	semaphorin A.		12	12
X85994	semaphorin E.		12	9
AA709719	vt38a10.r1 Barstead mouse proximal colon MPLRB6 Mus musculus cDNA clone 1165338 5', mRNA sequence.		12	10
X67083	chop-10		11	17
AF022962	Sec8		11	6
AA162581	mr26b07.r1 Soares mouse 3NbMS Mus musculus cDNA clone 598549 5'		10	9
AA403825	va33h10.r1 GuayWoodford Beier mouse kidney day 7 Mus musculus cDNA clone 733219 5'		10	5
U85786	sodium channel beta-1 subunit		9	6
W98059	similar to Ost oncogene		9	6
Y00964	beta-hexosaminidase.		9	10
AA177625	mt32f10.r1 Soares mouse 3NbMS Mus musculus cDNA clone 622795 5'		9	7
AA096813	similar to major excreted protein		9	7
U43541	laminin beta 2		9	8
J05261	protective protein (Mo54)		8	7
D37873	Fc receptor		8	10
X85582	alpha-2 collagen VI.		8	11
D31951	osteoglycin		8	13
AA289168	vb33a01.r1 Soares mouse lymph node NbMLN Mus musculus cDNA clone 750696 5'		7	8
AA066335	similar to amyloid beta protein precursor		7	10
M74570	aldehyde dehydrogenase II		7	18
J04696	GST5-5		7	10
U70475	p45 NF-E2 related factor 2 (NRF2)		6	9
U00674	syndecan-2		6	8
U05837	beta-hexosaminidase (Hexa)		6	7
U06670	very low density lipoprotein receptor		6	9
AA067929	similar to Mouse amyloid beta protein precursor		6	7
AA122778	mr03h11.r1 Soares mouse 3NbMS Mus musculus cDNA clone 596421 5'		5	7
AA596954	vo15g09.r1 Barstead mouse myotubes MPLRB5 Mus musculus cDNA clone 1050016 5', mRNA sequence.		5	7
K02782	complement component C3 mRNA, alpha and beta subunits		5	17
L29441	mRNA overexpressed in testicular tumors		5	5
AA210330	mu72d10.r1 Soares mouse lymph node NbMLN Mus musculus cDNA clone 644947 5'		5	6
W54878	ma31a02.r1 Mus musculus cDNA, 5' end	-5	-4	-5
D14566	Mouse Lmp-2 gene for LMP-2 polypeptide (complete cds) and Tap-1 gene (partial cds, exon 1-3)	-5	-4	-13
AA073593	similar to Ran GTPase	-5	-4	-9
X70847	adenine nucleotide translocase	-6	-5	-5
D12513	DNA topoisomerase II	-6	-5	-3
W85270	similar to INORGANIC PYROPHOSPHATASE	-6	-11	-10
AA607833	vm39h10.r1 Knowles Solter mouse blastocyst B1 Mus musculus cDNA clone 992611 5', mRNA sequence.	-6	-7	-5
V00756	interferon beta (type 2)	-6	-4	-6
X84789	p38-2G4.	-7	-5	-6
AA170668	similar to lysophospholipase	-8	-9	-7
AA144400	similar to INORGANIC PYROPHOSPHATASE	-8	-11	-21
M73696	Glv-1	-8	-5	-9
W50837	ma22e05.r1 Mus musculus cDNA, 5' end	-9	-14	-18
M33960	plasminogen activator inhibitor (PAI-1)	-9	-14	-9
AA288442	similar to interferon-induced guanylate binding protein GBP-2	-10	-17	-12
W08610	similar to lysyl-tRNA synthetase	-10	-3	-5
U06924	signal transducer and activator of transcription (Stat1)	-14	-19	-11
J04179	chromatin nonhistone high mobility group protein (HGM-I(Y).	-14	-58	-21
U44731	putative purine nucleotide binding protein	-14	-30	-10
U53219	GTPase IGTP	-14	-8	-12
AA153021	similar to interferon-induced guanylate binding protein	-15	-22	-19
X99915	HMG1-C	-16	-15	-22
D85561	proteasome subunit MECL1.	-20	-20	-49
J04179	nonhistone high mobility group protein (HGM-I(Y)	-29	-115	-72
AA415898	similar to interferon-inducible GTPase.	-68	-57	-137
W12251	ma05e12.r1 Soares mouse p3NMF19.5 Mus musculus cDNA clone 303694	-6		
U38940	asparagine synthetase	-6		
AA473299	vd63b03.r1 Knowles Solter mouse blastocyst B1 Mus musculus cDNA clone 805229 5'	-7		
W82720	similar to PUTATIVE ASPARAGINYL-TRNA SYNTHETASE	-7		
J00424	interferon-beta	-8		
X83601	PTX3	-8		

W40995	similar to DOLICHYL-PHOSPHATE BETA-GLUCOSYLTRANSFERASE	-5	
AA038142	similar to REGULATOR OF CHROMOSOME CONDENSATION	-6	
W50532	ma21f07.r1 Mus musculus cDNA, 5' end	-7	
U15635	IFN-gamma induced (Mg11)	-7	
AA051583	mj55c08.r1 Mus musculus cDNA, 5' end	-7	
L20315	MPS1	-14	
AA673431	vp46h06.r1 Knowles Solter mouse 2 cell Mus musculus cDNA clone 1079771 3', mRNA sequence.	-5	
AA120653	similar to gb:D21261 SM22-ALPHA HOMOLOG (HUMAN);	-5	
L75822	folistatin-like protein	-5	
C78101	Mouse 3.5-dpc blastocyst cDNA Mus musculus cDNA clone J0042G07 3', mRNA sequence.	-5	
C81593	similar to Mouse ribonucleotide reductase M2 subunit	-5	
AA426917	similar to gb:X64713 M.musculus mRNA for cyclin B1	-5	
AA030364	mi11d02.r1 Mus musculus cDNA, 5' end	-5	
AA000468	similar to Cdc20	-5	
W35693	mc59e09.r1 Soares mouse embryo NbME13.5 14.5 Mus musculus cDNA clone 352840 5', mRNA sequence	-6	
AA268341	vsimilar to TR:E223201 E223201 UBIQUITIN-CONJUGATING ENZYME E2	-6	
M19438	Mouse cytosolic thymidine kinase mRNA clone pMtk9, complete cds	-6	
AA163900	similar to Ran GTPase	-6	
AA008043	similar to mmCdc20	-6	
AA177556	similar to SYNCRIP	-6	
V00755	interferon beta (type 1)	-7	
AA146156	similar to keratinocyte lipid-binding protein mal1	-7	
D12513	DNA topoisomerase II	-7	
D55720	nuclear pore-targeting complex comp	-7	
AA509478	similar to LIM protein Clim-1	-7	
W59693	ma32h10.r1 Mus musculus cDNA, 5' end	-7	
U22031	20S proteasome subunit Lmp7	-7	
M17327	Mouse endogenous murine leukemia virus modified polytropic provirus DNA.	-7	
X66081	Pgp-1 mRNA for CD44 (clone M1)	-7	
L11145	proteasome subunit (lmp7)	-8	
M35244.2	MHC class I H2-TL-T10-129 mRNA (b haplotype), complete cds	-8	
W54590	similar to Ran GTPase	-8	
AA116789	mn18f01.r1 Mus musculus cDNA, 5' end	-10	
AA028288	mi20c06.r1 Mus musculus cDNA, 5' end	-10	
U27316	adenine nucleotide translocase-2 (Ant2)	-5	-5
J04627	NAD-dependent methylenetetrahydrofolate dehydrogenase- methenyltetrahydrofolate cyclohydrolase	-6	-6
M70642	FISP-12 protein	-6	-9
X56602	Interferon-induced 15-KDa protein	-9	-7
X17502	Mouse mRNA overexpressed and amplified in teratocarcinoma cell line ECA39.	-18	-6
U63648	p160 myb-binding protein	-6	-16
M14223	ribonucleotide reductase M2 subunit	-6	-12
U80819	glutathione-S-transferase homolog	-6	-8
AA062013	similar to adenine nucleotide translocase	-6	-7
X16151	early T-lymphocyte activation 1 protein (ETa-1)	-10	-12
X51834	osteopontin	-11	-12
AA290110	similar to gb:J04179 Mouse chromatin nonhistone high mobility group protein	-16	-35
X63099	connexin31	-39	-28
X13297	vascular smooth muscle alpha-actin	-47	-39

Table 2. List of genes of cluster 1,1.

Probe No	Accession No	Name
AA051585	AA051585	EST
AA104750	AA104750	EST, similar to mouse Trf-proximal protein (Trfp).
AA110732	AA110732	EST, similar to dynactin 4
AA122717	AA122717	EST, similar to dipeptidyl peptidase 7 (Dpp7)
AA137984	AA137984	EST
AA163314	AA163314	EST
AA175164	AA175164	EST, similar to mouse ring finger protein 11 (Rnf11)
AA178487	AA178487	EST
AA178588	AA178588	EST
AA185999	AA185999	EST
AA189220	AA189220	EST
AA200689	AA200689	EST
AA209562	AA209562	EST
AA210584	AA210584	EST
AA230405	AA230405	EST, similar to choline transporter (CHOT1)
AA231568	AA231568	EST, similar to mouse putative TH1 protein
AA237535	AA237535	EST, similar to propionyl-CoA carboxylase beta chain (PccB)
AA238081	AA238081	EST, similar to complement C1R component precursor
AA241220	AA241220	EST
AA250490	AA250490	EST
AA260689	AA260689	EST, similar to zinc finger protein
AA266033	AA266033	EST
AA266385	AA266385	EST
AA266641	AA266641	EST
AA266925	AA266925	EST
AA267327	AA267327	EST, similar to putative potassium-chloride cotransporter-4 (Kcc4)
AA267728	AA267728	EST
AA271939	AA271939	EST, similar to SM22 gene
AA285607	AA285607	EST, similar to HISTONE H2A.Z
AA396006	AA396006	EST
AA407010	AA407010	EST
AA474877	AA474877	EST
AA574814	AA574814	EST
AA645217	AA645217	EST
AA647562	AA647562	EST
AA672846	AA672846	EST
AA690738	AA690738	EST, similar to ATP-binding cassette transporter 1 (ABCA1)
AA711984	AA711984	EST
AF005885	AF005885	cyclin G2
AF019385	AF019385	(3Ost1) heparan sulfate sulfotransferase; 3-OST-1; interluminal Golgi resident protein
AF022962	AF022962	Sec8
D14883	D14883	mouse homologue of the C33 antigen, a target of mAbsinhibitory to HTLV I induced syncytium formation
L05439	L05439	IGFBP-2
M29264	M29264	signal recognition particle subunit
M83749	M83749	D type cyclin (CYL2)
Msa.1129.0	W41501	EST, similar to mouse R-ras
Msa.13125.0	AA138477	EST, similar to ubiquitin specific protease 23 (Usp23)
Msa.14268.0	AA111277	EST, similar to neural visinin-like Ca2+-binding protein
Msa.1457.0	U13878	Mus musculus neural-restrictive silencer factor mRNA
Msa.1606.0	L29441	mRNA overexpressed in testicular tumors
Msa.1786.0	U22445	Akt2
Msa.1869.0	U13841	subunit E, V-ATPase
Msa.19086.0	AA016928	EST, similar to mouse Taz gene (transcriptional coactivator).
Msa.19651.0	AA014475	EST, similar to nucleoside diphosphate kinase (DR-nm23)
Msa.22407.0	AA034569	EST, similar to rat phosphatidylinositol 3-kinase
Msa.2842.0	U61362	groucho-related gene 1 (Grg1) mRNA
Msa.28694.0	AA073230	EST, similar to Cathepsin D
Msa.2879.0	D78382	mouse tob gene
Msa.28847.0	AA072961	EST, similar to mouse integrin associated protein
Msa.31309.0	AA104086	EST, similar to ZINC FINGER PROTEIN
Msa.3298.0	U69599	interferon gamma receptor second chain (ifngr2)
Msa.3851.0	AA168061	EST, similar to cytosolic adenylate kinase
Msa.38847.0	AA166440	EST, similar to PHOSPHATIDYL SERINE DECARBOXYLASE
Msa.4853.0	AA059718	EST, similar to DNA POLYMERASE BETA (HUMAN)
U12283	U12283	transcription factor USF2
U27295	U27295	inositol polyphosphate 1-phosphatase
U29947	U29947	Man2b1, lysosomal alpha-mannosidase
U42190	U42190	G/T-mismatch binding protein (Gtmbp)
U79024	U79024	coiled-coil like protein 1 (Cc1p1)
U88909	U88909	mouse inhibitor of apoptosis protein 2 mRNA
U90663	U90663	ephrin-A4; ligand for Eph-related receptor tyrosine kinases LERK-4
U96401	U96401	Mouse aldehyde dehydrogenase Ahd-2-like mRNA
W11020	W11020	EST, similar to human NPD003 mRNA
W53565	W53565	EST, similar to V-SKI human oncogene homologue
W85443	W85443	EST
W97022	W97022	EST
W99005	W99005	EST
X52875	X52875	Prx2
X61434	X61434	cAMP-dependant protein kinase C beta subunit
X61753	X61753	mouse heat shock transcription factor 1
X62600	X62600	c/ebp beta
X69902	X69902	integrin alpha6 subunit
X71978	X71978	Fif
Y09257	Y09257	NOV protein
Z37110	Z37110	cyclin G

Table 3. List of genes of cluster 1,2, co-segregating with *Notch3*.

Probe No.	Accession No	Name
AA013647	AA013647	EST, similar to adaptor-related protein complex AP-3, delta subunit (Ap3d)
AA014427	AA014427	EST
AA032557	AA032557	EST
AA032906	AA032906	EST
AA051692	AA051692	EST, similar to SPLICING FACTOR U2AF 35 KD SUBUNIT
AA119706	AA119706	EST
AA163449	AA163449	EST, similar to cAMP-DEPENDENT PROTEIN KINASE TYPE I-ALPHA REGULATORY CHAIN
AA174677	AA174677	EST
AA185309	AA185309	EST
AA208776	AA208776	EST
AA210330	AA210330	EST
AA212550	AA212550	EST
AA231147	AA231147	EST
AA237244	AA237244	EST
AA240409	AA240409	EST
AA245057	AA245057	EST, similar to mouse Son gene
AA254963	AA254963	EST, similar to mouse Herpud1 mRNA
AA259726	AA259726	EST
AA261246	AA261246	EST
AA266906	AA266906	EST, similar to Cctb gene for chaperonin containing TCP-1 eta subunit
AA269805	AA269805	EST, similar to COPI coatomer complex (Copb)
AA270915	AA270915	EST
AA271952	AA271952	EST
AA274643	AA274643	EST, similar to peroxisomal membrane anchor protein Pex14
AA274696	AA274696	EST, similar to cdk inhibitor p27KIP1 mRNA
AA277084	AA277084	EST
AA277748	AA277748	EST
AA290183	AA290183	EST
AA408125	AA408125	EST
AA415015	AA415015	EST
AA462486	AA462486	EST, similar to map kinase phosphatase-M A2 isoform
AA498750	AA498750	EST
AA510137	AA510137	EST, similar to zinc finger protein 216 (Zfp216)
AA543734	AA543734	EST, similar to transcription factor TBX3 (TBX3)
AA546670	AA546670	EST
AA571242	AA571242	EST
AA571790	AA571790	EST
AA592394	AA592394	EST
AA596237	AA596237	EST
AA596524	AA596524	EST
AA608277	AA608277	EST, similar to ADENOSINE A2B RECEPTOR
AA611423	AA611423	EST, similar to Fas-activated serine/threonine kinase (Fastk)
AA647042	AA647042	EST, similar to tob gene
AA673554	AA673554	EST, similar to splicing factor (CC1.3)
AA673970	AA673970	EST
AA682033	AA682033	EST, similar to phosphatidylserine decarboxylase
AA693025	AA693025	EST, similar to vitiligo-associated protein VIT-1
AF030635	AF030635	FK-506 binding protein homolog (SAM11)
C77300	C77300	EST, similar to bromodomain-containing 4 (Brd4)
D18279	D18279	EST
D30798	D30798	mouse unc-18 homologue
D49439	D49439	TFIID subunit p80
D50418	D50418	AREC3
D90225	D90225	Osf-1
J05479	J05479	calcineurin catalytic subunit mRNA
M26391	M26391	retinoblastoma susceptibility protein (p105 Rb)
M31690	M31690	argininosuccinate synthetase (EC 6.3.4.5)
M83649	M83649	(Fas antigen) NGF/TNF-receptor-related protein
M89641	M89641	interferon alpha/beta receptor (IFNAR)
U23184	U23184	(Cpe) carboxypeptidase H; enkephalin convertase; gene formerly called Cph-1
U40796	U40796	(XPG) endonuclease
ET62444	U70440	Sox4
ET63493	U66084	mouse cyclin-dependent kinase inhibitor (p15INK4b) gene
Msa.12291.0	AA015076	EST, similar to PUTATIVE REGULATORY PROTEIN TSC-22.
Msa.18454.0	AA142328	EST, similar to INTEGRIN BETA-5 SUBUNIT PRECURSOR
Msa.2121.0	L48514	mouse paraoxonase 2 (PON2)
Msa.29659.0	AA087270	EST, similar to SINGLE-STRANDED DNA-BINDING PROTEIN MSSP-1
Msa.3195.0	W35962	EST, similar to mouse suppressor of Ty 4 homolog (Supt4h)
Msa.32346.0	AA107895	EST, similar to cathepsin D
Msa.36433.0	AA124052	EST, similar to integrin associated protein CD47
Msa.5481.0	AA060106	EST, similar to annexin A8 (Anxa8)
W08365	W08365	EST, similar to mitochondrial ribosomal protein S21 (MRPS21)
W40847	W40847	EST
W65256	W65256	EST
X61172	X61172	alpha-mannosidase II
X62622	X62622	mouse TIMP-2
X64837	X64837	ornithine aminotransferase
X74760	X74760	Notch 3
X99239	X99239	goosecoid homeobox

X99572	X99572	(FIGF) member of PDGF /VEGF family of growth factors
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Table 4. List of genes of cluster 1,3.

Probe Set	Accession No	Name
AA028499	AA028499	EST
AA028770	AA028770	EST
AA030688	AA030688	EST
AA034800	AA034800	EST
AA120705	AA120705	EST
AA122778	AA122778	EST
AA123934	AA123934	EST
AA154633	AA154633	EST
AA162581	AA162581	EST
AA177625	AA177625	EST
AA183544	AA183544	EST
AA203807	AA203807	EST
AA203833	AA203833	EST
AA204106	AA204106	EST
AA204488	AA204488	EST
AA218068	AA218068	EST
AA237364	AA237364	EST
AA239103	AA239103	EST
AA255033	AA255033	EST
AA261061	AA261061	EST
AA266377	AA266377	EST
AA268226	AA268226	EST
AA272187	AA272187	EST
AA273938	AA273938	EST
AA275130	AA275130	EST
AA285530	AA285530	EST
AA289168	AA289168	EST
AA396029	AA396029	EST
AA396038	AA396038	EST
AA416197	AA416197	EST
AA422480	AA422480	EST
AA450406	AA450406	EST
AA463066	AA463066	EST
AA467677	AA467677	EST
AA518117	AA518117	EST
AA522000	AA522000	EST
AA560691	AA560691	EST
AA575675	AA575675	EST
AA590995	AA590995	EST
AA607936	AA607936	EST
AA608256	AA608256	EST
AA615883	AA615883	EST
AA666984	AA666984	EST
AA673499	AA673499	EST
AA683909	AA683909	EST
AA711232	AA711232	EST
AF017085	AF017085	Mouse BAP-135 homolog (Diws1t)
AF017175	AF017175	liver carnitine palmitoyltransferase I
AF033655	AF033655	Pftaire-1
C76813	C76813	EST
C76956	C76956	EST, similar to ORR1a transposon-like element
C77389	C77389	EST
C80403	C80403	EST
C80598	C80598	EST
C80615	C80615	EST
C81484	C81484	EST, similar to proteasome beta-subunit C5 (Psmb1)
D17571	D17571	NADPH-cytochrome P450 oxidoreductase
D37873	D37873	Mouse fcrr gene for Fc receptor
D49744	D49744	farnesyltransferase alpha subunit
D50263	D50263	EST
D78641	D78641	Membrane Glycoprotein
D78644	D78644	DNA polymerase
D86344	D86344	Topoisomerase-inhibitor suppressed
ET62402	U68384	Meis1-related protein 1b (Mrg1b)
J03880	J03880	UDP-galactose:N-acetylglucosamine galactosyltransferase
J04953	J04953	gelsolin
J05261	J05261	Mouse protective protein (Mo54)
J05287	J05287	lysosomal membrane glycoprotein (LAMP-2)
L16956	L16956	Protein-tyrosine kinase (Jak2)
M15525	M15525	laminin B1
M72414	M72414	Microtubule-associated protein 4 (MAP4)
Msa.10643.0	W48503	EST

Msa.1108.0	J05261	Mouse protective protein (Mo54)
Msa.1660.0	U07159	Medium-chain acyl-CoA dehydrogenase
Msa.17215.0	W88041	EST
Msa.17848.0	W98152	EST
Msa.20064.0	AA015546	EST
Msa.24305.0	W20873	EST
Msa.2579.0	X70398	Mouse P311 gene
Msa.2740.0	X66976	col8a1 gene
Msa.27932.0	AA068094	EST
Msa.32120.0	AA106190	EST
Msa.4149.0	W34965	EST
Msa.43192.0	Z37988	LAR mRNA encoding protein tyrosine phosphatase
Msa.4469.0	AA023065	EST
Msa.453.0	M31690	Argininosuccinate synthetase
Msa.64.0	D12907	47-kDa heat shock protein(HSP47)
Msa.691.0	J04953	gelsolin
Msa.6968.0	W15994	EST
Msa.88.0	D13664	Osteoblast specific factor 2 (OSF-2)
Msa.9511.0	AA008859	EST
R74679	R74679	EST
U03283	U03283	C3H cytochrome P450 (Cyp1b1)
U05837	U05837	B6/CBA beta-hexosaminidase (Hexa)
U09507	U09507	p21 (Waf1)
U10115	U10115	Dishevelled segment polarity protein homolog (Dvl-1)
U19520	U19520	Syntaxin binding protein muSec1
U19854	U19854	Ubiquitinating enzyme E2-20K
U23789	U23789	zipper protein kinase (ZPK)
U35646	U35646	Aminopeptidase mRNA
U37485-2	U37485	CDE1-binding protein CDEBP (Cdeb) gene
U37501	U37501	Laminin alpha 5 chain (Lama5)
U43085	U43085	Glucocorticoid-attenuated response gene 39 (GARG-39)
U67837	U67837	Multiple exostosis protein (EXT2)
U74359	U74359	Mothers-against-dpp-related-1 mRNA
W45944	W45944	EST
W62593	W62593	EST
W76777	W76777	EST
W82380	W82380	EST
W99205	W99205	EST
X06086	X06086	Mouse mRNA for major excreted protein (MEP).
X12761	X12761	Mouse mRNA for protein homologous to human c-JUN.
X51905	X51905	Mouse Ldh-2 mRNA for lactate dehydrogenase-B (EC 1.1.1.27).
X52046	X52046	M.musculus COL3A1 gene for collagen alpha-I.
X60671	X60671	M.musculus mRNA for ezrin.
X61800	X61800	M.musculus mRNA for C/EBP delta.
X70398	X70398	Mouse P311 mRNA.
Z31137	Z31137	EST
Z31298	Z31298	EST
Z47088	Z47088	RNA polymerase II elongation factor-like protein.
Z54200	Z54200	DNA-binding protein.

Table 5. List of genes of cluster 1,4, co-segregating with *Gata3*.

Probe set	accession number	Name
AA028785	AA028785	EST, similar to synaptonemal complex protein Sc65
AA034739	AA034739	EST, similar to growth factor receptor bound protein 2-associated protein 1
AA039197	AA039197	EST, similar to mouse protocadherin gamma
AA155379	AA155379	EST
AA175470	AA175470	EST
AA175517	AA175517	EST
AA178246	AA178246	EST, similar to potassium channel regulatory protein KChAP
AA182325	AA182325	EST
AA183140	AA183140	EST, similar to putative transcription factor ALF-4 (Alf4)
AA185262	AA185262	EST
AA189631	AA189631	EST
AA189739	AA189739	EST
AA210315	AA210315	EST
AA220798	AA220798	EST
AA231160	AA231160	EST
AA237566	AA237566	EST, similar to mouse f-box and WD-40 domain protein 5 (Fbxw5)
AA238064	AA238064	EST
AA240968	AA240968	EST, similar to mG28K mRNA for GTP-binding protein like 1
AA241764	AA241764	EST, similar to mouse mu-class GST
AA265662	AA265662	EST
AA271199	AA271199	EST
AA273803	AA273803	EST
AA389917	AA389917	EST
AA396357	AA396357	EST
AA450768	AA450768	EST
AA462551	AA462551	EST, similar to mitogen-activated protein kinase kinase kinase kinase 3 (MAP4K3)
AA529389	AA529389	EST
AA543785	AA543785	EST, similar to thymic dendritic cell-derived factor 2
AA545494	AA545494	EST
AA545527	AA545527	EST, similar to SLM-1 (Slm1) mRNA
AA547624	AA547624	EST
AA571530	AA571530	EST, similar to Nedd4 WW domain-binding protein 5 mRNA
AA590354	AA590354	EST, similar to transcobalamin 2
AA591428	AA591428	EST
AA596954	AA596954	EST
AA597161	AA597161	EST, similar to mRNA for ZG-16p
AA606536	AA606536	EST, similar to epithelial protein lost in neoplasm-a (Eplin)
AA624270	AA624270	EST, similar to regulator of nonsense transcripts 2 (RENT2)
AA638086	AA638086	EST, similar to mouse GST
AA638530	AA638530	EST
AA674353	AA674353	EST
AA675636	AA675636	EST
AA709719	AA709719	EST
AF008595	AF008595	mouse lacrimal gland protein mRNA
C76031	C76031	EST
C76099	C76099	EST
C77421	C77421	EST, similar to B10.VL30LTR gene
C78076	C78076	EST
C78905	C78905	EST
D21165	D21165	neural visinin-like Ca2+-binding protein type 1 (NVP-1)
D26046	D26046	transcription factor ATBF1
D31951	D31951	osteoglycin
D45185	D45185	protoporphyrinogen oxidase
D50523	D50523	TI-227
D87963	D87963	ETF-related factor-1 (ETFR-1)
ET61236	U16321	basic transcription factor MTF-2A
J03928	J03928	PFK
L17069	L17069	Ail-1
L25069	L25069	catalase
L25274	L25274	transmembrane glycoprotein (DM-GRASP)
L28177	L28177	Gadd45
L38847	L38847	hepatoma transmembrane kinase ligand (HTK ligand)
L40459	L40459	latent transforming growth factor-beta binding protein (LTBP-3)
L77867	L77867	MEP (a new member of the Eph family of receptors that lacks protein tyrosine kinase activity)
M27960	M27960	interleukin-4 receptor
M29464	M29464	PDGFA
M32745	M32745	transforming growth factor beta-3 (TGF beta-3)
M86736	M86736	acrogranin

M91458	M91458	sterol-carrier protein X
Msa.11204.0	W50102	EST, similar to sodium channel, voltage-gated, type I, beta polypeptide (Scn1b)
Msa.1167.0	M21285	stearoyl-CoA desaturase
Msa.13081.0	W55789	EST, similar to CD81 antigen
Msa.16261.0	W82852	EST, similar ZINC FINGER protein 42
Msa.16352.0	W75918	EST, similar to TRANSCRIPTIONAL REGULATORY PROTEIN
Msa.1642.0	U34960	G protein beta 2 subunit
Msa.1693.0	M69293	Id-2
Msa.18398.0	AA000892	EST, similar to antiquitin
Msa.2276.0	Z14249	mitogen activated protein kinase (erk-1) (Prkm3)
Msa.2336.0	X72307	hepatocyte growth factor
Msa.2361.0	AA060064	EST, similar to mouse I3 protein (Bri3)
Msa.23615.0	W81953	EST, similar to protein tyrosine phosphatase
Msa.2417.0	X51905	lactate dehydrogenase-B
Msa.2753.0	U43541	s-laminin
Msa.2759.0	L48687	voltage-dependent Na ⁺ channel beta-1 subunit
Msa.27849.0	AA067929	EST, similar to mouse amyloid beta protein precursor
Msa.28076.0	AA068528	EST, similar to zinc finger protein
Msa.2833.0	X97817	semF
Msa.3106.0	U07950	GDP-dissociation inhibitor (GDI-1)
Msa.330.0	U12283	transcription factor USF2
Msa.3557.0	W08269	EST, similar to PIGMENT EPITHELIUM-DERIVED factor
Msa.3690.0	W10459	EST, similar to ATP SYNTHASE EPSILON CHAIN, MITOCHONDRIAL PRECURSOR
Msa.372.0	L27453	homeodomain protein Pbx1
Msa.41901.0	withdrawn sequence	EST, similar to calnexin
Msa.41934.0	AA166380	EST, similar to MITOCHONDRIAL LON PROTEASE HOMOLOG PRECURSOR (HUMAN)
Msa.43191.0	Z25524	integrin associated protein
Msa.4512.0	W09590	EST, similar to PROTEIN-TYROSINE PHOSPHATASE ZETA
Msa.559.0	M73741	alpha(B)-crystallin
Msa.6061.0	AA002297	EST, similar to IMMEDIATE EARLY RESPONSE PROTEIN B61 PRECURSOR
Msa.9147.0	W36875	EST, similar Gal beta 1,3(4)GlcNAc alpha-2,3-sialyltransferase
N28101	N28101	EST
U00674	U00674	syndecan-2
U05673	U05673	adenosine receptor
U07159	U07159	medium-chain acyl-CoA dehydrogenase (Acadm)
U16322	U16322	basic transcription factor MITF-2B
U29762	U29762	D-Box binding protein
U37226	U37226	plasma phospholipid transfer protein
U40408	U40408	lysosomal sialic acid O-acetyltransferase
U51204	U51204	APC-binding protein EB2
U76832	U76832	neural syntaxin-1A homolog
U92437	U92437	MMAC1
W20721	W20721	EST
W40948	W40948	EST
W71950	W71950	EST
W83013	W83013	EST
X12507	X12507	mRNA for protein synthesis initiation factor 4AII (eIF-4AII)
X51975	X51975	interleukin-6 receptor
X55123	X55123	GATA-3
X60367-2	X60367-2	cellular retinol binding protein I (mCRBPI)
X73359	X73359	AES-1
X78305	X78305	signal recognition particle, SRP9
X78709	X78709	NRF1
X85990	X85990	semA
X85994	X85994	semE
X89650	X89650	rab7
Y00964	Y00964	beta-hexosaminidase beta subunit
Y07708	Y07708	NADH oxidoreductase - MWFE subunit)
Z14252	Z14252	acidic sphingomyelinase
Z30970	Z30970	metalloproteinase-3 tissue inhibitor, TIMP-3
Z49204	Z49204	NADP transhydrogenase
Z67745	Z67745	phosphatase 2A catalytic subunit, isotype alpha

Table 6. List of genes of cluster 1,5.

Probe Set	Accession No	Name
AA015228	AA015228	EST
AA030551	AA030551	EST
AA106970	AA106970	EST
AA183136	AA183136	EST similar to PEROXISOME ASSEMBLY FACTOR-2.
AA198384	AA198384	EST
AA217500	AA217500	EST
AA238171	AA238171	EST similar to PTERIN-4-ALPHA-CARBINOLAMINE DEHYDRATASE
AA260699	AA260699	EST
AA274553	AA274553	EST
AA276848	AA276848	EST
AA387033	AA387033	EST
AA408555	AA408555	EST
AA419890	AA419890	EST
AA450413	AA450413	EST
AA529805	AA529805	EST
AA673253	AA673253	EST
AA690500	AA690500	EST
AF003115	AF003115	JIP-1 (JIP-1) mRNA
AF017989	AF017989	Secreted apoptosis related protein 1 (Sarp1)
AF026124	AF026124	Schwannoma-associated protein (SAM9)
AF033565	AF033565	cdc2/CDC28-like protein kinase 3 (Clk3) .
C76722	C76722	EST
D26483	D26483	PE31/TALLA
D50460	D50460	SDF3 mRNA
D89571	D89571	Ryudocan core protein
J03535	J03535	Mouse Ig-related glycoprotein-70 mRNA
J04696	J04696	Glutathione S-transferase class mu (GST5-5)
L04678	L04678	Integrin beta 4 subunit
L07924	L07924	Guanine nucleotide dissociation stimulator for a ras-related GTPase
L08235	L08235	Clusterin
L47335	L47335	Branched chain alpha ketoacid decarboxylase E1a subunit
M11284	M11284	Mouse MHC class I Qa-Tla mRNA, (H2-d haplotype), clone pH2-d-37
M61215	M61215	ferrochelatase
M64292	M64292	TIS21 gene
M96823	M96823	nucleobindin
Msa.10761.0	W49061	EST
Msa.10923.0	W57339	EST
Msa.1121.0	L09562	Receptor-type protein tyrosine phosphatase gamma
Msa.12753.0	AA033189	EST
Msa.13314.0	AA118131	EST
Msa.13505.0	W57404	EST
Msa.14687.0	W63974	EST
Msa.16595.0	W77701	EST
Msa.1670.0	AA123361	EST
Msa.20069.0	AA015388	EST
Msa.20248.0	AA016798	EST
Msa.22491.0	AA036584	EST
Msa.22597.0	AA036250	EST
Msa.27234.0	AA066335	EST
Msa.27761.0	AA068578	EST
Msa.3001.0	D14859	Drosophila vasa homologue
Msa.326.0	U10440	G1 cyclin-Cdk protein kinase inhibitor p27
Msa.33575.0	AA111356	EST
Msa.3974.0	AA109714	EST
Msa.4190.0	W29434	EST
Msa.43207.0	D00613	Gla protein (MGP)
Msa.4788.0	W98255	EST
Msa.663.0	M36777	GTP-binding protein alpha subunit (G0A-alpha)
Msa.693.0	M36332	Mouse insulin-like growth factor II (IGF-II) gene
Msa.8570.0	W74850	EST
Msa.947.0	M38337	Milk fat globule membrane protein E8 Mrna
Msa.994.0	X03208	Mouse group 1 gene (BS6) for major urinary protein (MUP)
R74724	R74724	EST
R75036	R75036	EST
U04299	U04299	Mannosyl-oligosaccharide alpha
U06670	U06670	Very low density lipoprotein receptor
U09419	U09419	Retinoid X receptor interacting protein
U24674	U24674	Max interacting protein 1
U36799	U36799	Retinoblastoma-related protein Rb2/p1
U52073	U52073	TDD5 mRNA
U57098	U57098	APEG-1 mRNA
U70475	U70475	p45 NF-E2 related factor 2 (NRF2) gene

W08322	W08322	EST
W42043	W42043	EST
W54374	W54374	EST
W77105	W77105	EST
X07439	X07439	Hox-3.1.
X52886	X52886	cathepsin D.
X57337	X57337	CDNAp14
X59379	X59379	amyloid beta precursor (protease nexin II).
X65128	X65128	gas1
X67209	X67209	npdc-1 mRNA
X73230	X73230	arylsulfatase A
X80937	X80937	RIP1
X98847	X98847	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase

Table 7. List of genes of cluster 1,6.

Probe set	Accession No	Name
AA023300	AA023300	EST
AA027744	AA027744	EST
AA163258	AA163258	EST
AA217076	AA217076	EST
AA231554	AA231554	EST
AA250256	AA250256	EST
AA270796	AA270796	EST, similar to mouse activating transcription factor 5-beta
AA285778	AA285778	EST
AA408451	AA408451	EST
AA409822	AA409822	EST
AA420337	AA420337	EST
AA426892	AA426892	EST, similar to mouse tissue plasminogen activator
AA435424	AA435424	EST
AA472476	AA472476	EST
AA516600	AA516600	EST
AA589511	AA589511	EST, similar to mouse GTF2I and GTF2IRD1 genes
AA611262	AA611262	EST, similar to mouse mRNA for Ndr1 related protein Ndr2
AA616578	AA616578	EST
AA672929	AA672929	EST
AA691606	AA691606	EST
AF006492	AF006492	(FOG) zinc finger protein
AF031955	AF031955	mouse kruppel-related zinc finger protein (Emzf1)
C76324	C76324	EST
C76402	C76402	EST
C76985	C76985	EST
C77340	C77340	EST
C77808	C77808	EST, similar to mouse GTF2IRD1 and CYLN2 genes
C79468	C79468	EST
D17407	D17407	(SP2) U2 small nuclear ribonucleoprotein auxiliary factor small subunits-related
D17896	D17896	EST
D18292	D18292	EST
D38613	D38613	presynaptic protein
D63818	D63818	Mouse mRNA for neuropeptide Y-Y1 receptor
D78274	D78274	Mouse mRNA for proteoglycan (PG-Lb)
ET61450	ET61450	interleukin-2
ET61783	U55445	mouse anti-DNA immunoglobulin heavy chain IgM mRNA, antibody 363p.138,
ET61799	U55461	mouse anti-DNA immunoglobulin heavy chain IgG mRNA, antibody 363s.8C
ET61955	U55617	mouse anti-DNA immunoglobulin light chain IgG, antibody 373s.116
ET62448	U70447	mouse immunoglobulin heavy chain Fd region mRNA
ET63122	X99806	M.musculus mRNA for beta tectorin.
ET63387	Z70662	Artificial mRNA for single chain antibody scFv (scFvP25).
J03877	J03877	gamma-renin precursor
J04632	J04632	(GST1-1) glutathione S-transferase (EC 2.5.1.18)
K02782	K02782	preprocomplement component C3
K02785	K02785	PDGF-induced mRNA similar to c-fos
L02333	L02333	bilirubin/phenol family UDP glucuronosyltransferase (ugtBr)
L10666	L10666	mouse GTP-binding protein superfamily, G protein alpha-t2 subunit (cone transducin) mRNA
L12447	L12447	mouse insulin-like growth factor binding protein 5 (IGFBP5)
L16953	L16953	Mouse tumor cell dnaJ-like protein 1 mRNA
L19932	L19932	(beta ig-h3) precursor; putative
L25606	L25606	mouse B7-2 gene
L32974	L32974	Mouse interferon-inducible protein homologue mRNA
L35303	L35303	TNF receptor associated factor 2 (TRAF2)
L47480	L47480	BMP-4
M33203	M33203	Mouse tumor-induced 32 kD protein (p32) mRNA
M36387	M36387	tumor rejection antigen P815A
M58288	M58288	mouse granulocyte colony-stimulating factor receptor (G-CSFR)
M74570	M74570	aldehyde dehydrogenase II mRNA (Ahd-2)
M74773	M74773	mouse brain beta spectrin (Spm-2)
Msa.10535.0	AA162205	EST, similar to phosphatidylserine decarboxylase
Msa.10769.0	W49072	EST
Msa.1116.0	M23236	Mouse proline-rich protein (MP2) gene
Msa.1148.0	M12130	polymerase II large subunit
Msa.11746.0	W50975	EST, highly similar to beta-tubulin T beta15
Msa.11771.0	W50949	EST, withdrawn sequence
Msa.12725.0	W55405	EST, similar to glycosylation dependent cell adhesion molecule 1 (Glycam1)
Msa.1312.0	M22432	protein synthesis elongation factor Tu
Msa.13568.0	W57490	EST, similar to interferon (alpha and beta) receptor (Ifnar)
Msa.13687.0	AA015291	EST, similar to ATPase
Msa.14596.0	W62983	EST
Msa.1466.0	U07235	mouse aldehyde dehydrogenase (ALDH2) mRNA, nuclear gene encoding mitochondrial protein
Msa.14946.0	W64698	EST, similar to protein kinase C inhibitor
Msa.1657.0	X76295	mouse gene for melanocortin 5 receptor
Msa.19149.0	AA008687	EST, similar to THYMIDINE PHOSPHORYLASE
Msa.19972.0	AA015283	EST, similar to TRANSFORMING PROTEIN P21/K-RAS 2B
Msa.21060.0	AA022139	EST, withdrawn sequence
Msa.22333.0	AA032423	EST, similar to POLYADENYLATE-BINDING PROTEIN
Msa.23057.0	AA042076	EST, similar to PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE PHOSPHODIESTERASE BETA (HUMAN)

Msa.24150.0	W08680	EST, similar to mRNA for TAX responsive element binding protein.
Msa.24308.0	W20877	EST, similar to mouse stimulatory G protein of adenylate cyclase, alpha chain
Msa.25686.0	AA060187	EST, similar to AUTOCRINE MOTILITY FACTOR RECEPTOR PRECURSOR
Msa.2583.0	X75959	polyA binding protein
Msa.28109.0	AA068606	EST, similar to mouse ThB gene
Msa.28428.0	AA071872	EST, withdrawn sequence
Msa.28643.0	AA072314	EST, withdrawn sequence
Msa.2935.0	Z71173	inositol 1,4,5-trisphosphate receptor (type 2)
Msa.29352.0	AA080252	EST, similar to SKI ONCOGENE
Msa.2997.0	Y07688	NfiX
Msa.3025.0	U49430	(ceruloplasmin) multi-copper oxidase
Msa.31481.0	AA107847	EST, similar to AMILORIDE-SENSITIVE AMINE OXIDASE
Msa.32530.0	AA139606	EST, similar to ALPHA-1-ANTIPROTEINASE PRECURSOR
Msa.32745.0	AA108814	EST, similar to ELONGATION FACTOR 1-GAMMA
Msa.34974.0	AA118715	EST, similar to LEUCOCYTE ANTIGEN CD97 PRECURSOR
Msa.35348.0	AA119538	EST, similar to zinc finger protein
Msa.3605.0	W67046	Mus musculus small inducible cytokine A21c
Msa.3642.0	AA116737	EST, similar to PROTEIN PHOSPHATASE INHIBITOR 1
Msa.38424.0	AA142410	EST, similar to COMPLEMENT FACTOR B PRECURSOR
Msa.42007.0	AA166439	EST, similar to mouse kinase interacting protein 2
Msa.423.0	M64250	Mouse apolipoprotein A-IV (apoA-4) mRNA
Msa.42484.0	AA168485	EST, similar to G PROTEIN-COUPLED RECEPTOR RDC1 HOMOLOG
Msa.42850.0	AA170112	EST, similar to ACTIN, ALPHA CARDIAC
Msa.445.0	L04538	Mouse amyloid precursor-like protein mRNA
Msa.4782.0	W10116	EST, similar to zinc finger protein
Msa.507.0	M65270	cathepsin B
Msa.5082.0	W10739	EST, similar to G0/G1 SWITCH REGULATORY PROTEIN 8
Msa.5712.0	AA048098	EST, similar to MYC PROTO-ONCOGENE PROTEIN
Msa.6734.0	W14842	EST, similar to MUSCARINIC ACETYLCHOLINE RECEPTOR M5
Msa.698.0	M13963	inhibitory G protein of adenylate cyclase, alpha chain
Msa.727.0	M73483	Mouse glutathione S-transferase (GST Yc) mRNA
Msa.7613.0	W18777	EST, similar to DIHYDROPRYRIDINE-SENSITIVE L-TYPE, BRAIN CALCIUM CHANNEL
Msa.7648.0	W21013	EST
Msa.7694.0	W20990	EST, similar to mouse c-erbA-alpha mRNA for thyroid hormone receptor
Msa.8207.0	AA137524	EST, similar to EF-HAND CA2+ BINDING PROTEIN P22
Msa.8464.0	W33640	EST, similar to smooth muscle gamma actin mRNA
Msa.9075.0	AA028742	EST, similar to GTP-binding regulatory protein gamma-8 chain
R74634	R74634	EST
R75104	R75104	EST, similar to TUBULIN GAMMA CHAIN
U02487	U02487	(Krag) gene is coamplified with Ki-ras in Y1 adrenal carcinoma
U12919	U12919	Mus musculus adenylyl cyclase type VII mRNA
U14103	U14103	Mus musculus RGL protein mRNA
U18542	U18542	Mus musculus calcitonin receptor 1b mRNA
U29396	U29396	Mus musculus annexin V (Anx5) mRNA
U43298	U43298	Mus musculus laminin beta3 (Lamb3) chain mRNA,
U49351	U49351	Mus musculus lysosomal alpha-glucosidase mRNA
U57325	U57325	Mus musculus PS-2short mRNA
U60438	U60438	Mus musculus serum amyloid A protein isoform 2 mRNA
U67187	U67187	Mus musculus G protein signaling regulator RGS2 (rgs2) mRNA
U67840	U67840	Dlx5
U93277	U93277	Mus musculus 8S-lipoxygenase mRNA
X05475	X05475	fragment for complement component C9
X07411	X07411	Mouse mRNA for adipocyte p27 protein
X07751	X07751	c-erbA alpha
X14045	X14045	T-cell growth factor (AA 1-144)
X16874	X16874	Mouse mRNA for complement protein C1q B-chain
X53929	X53929	M.musculus mRNA for PGII (decorin)
X61433	X61433	M.musculus mRNA for sodium/potassium ATPase beta subunit
X65582	X65582	M.musculus mRNA for alpha-2 collagen VI
X66402	X66402	M.musculus mRNA for stromelysin 1
X66405	X66405	M.musculus mRNA for collagen alpha1(VI)-collager
X67083	X67083	chop-10
X68837	X68837	SgII
X83202	X83202	Mouse mRNA for 11beta-hydroxysteroid dehydrogenase/carbonyl reductase (11beta-HSD1A
X95279	X95279	spot14
Z31203	Z31203	EST

Table 8. List of genes of cluster 2,1.

Probe Set	Accession No	Name	
AA119070	AA119070	EST	
AA177779	AA177779	EST	
AA184359	AA184359	EST	
AA189316	AA189316	EST	
AA223007	AA223007	EST	
AA265426	AA265426	EST	
AA267342	AA267342	EST	
AA274662	AA274662	EST	
AA285831	AA285831	EST	
AA415030	AA415030	EST	
AA474512	AA474512	EST	
AA684436	AA684436	EST	
AA691628	AA691628	EST	
AF035683	AF035683	p21 mRNA	
C80271	C80271	EST	
C80662	C80662	EST	
J02930	J02930	Laminin B2 chain mRNA	
L04262	L04262	Lysyl oxidase gene	
M32309	M32309	Zinc finger protein (Zfx) mRNA	
Msa.1867.0	U13837	Vacuolar adenosine triphosphatase subunit A gene	
Msa.23268.0	AA048435	EST	
Msa.27236.0	AA066338	EST	
Msa.37569.0	AA138866	EST	
Msa.39777.0	AA152678	EST	
Msa.6157.0	AA024288	EST	
Msa.7029.0	AA137432	EST	
Msa.773.0	M20567	Heat-shock-like protein (HSP70.2) gene	
W11156	W11156	EST, similar to GAMMA-INTERFERON-INDUCIBLE PROTEIN IP-30	
W48215	W48215	EST	
W62573	W62573	EST	
W65767	W65767	EST	
X54511	X54511	Mbh1 gene for Myc basic motif homologue-1 (mbh1).	
X55663	X55663	Protein-tyrosine kinase, tec type I.	
X70764	X70764	Serine/threonine protein kinase.	
X97042	X97042	UBcM4	

Table 9. List of genes of cluster 2,2.

Probe Set	Accession No	Name
AA027723	AA027723	EST
AA182283	AA182283	EST
AA204547	AA204547	EST
AA273373	AA273373	EST
AA275198	AA275198	EST
AA277168	AA277168	EST
AA286600	AA286600	EST
AA597164	AA597164	EST
AA682062	AA682062	EST
AF020200	AF020200	transcription factor PBX3b (PBX3b)
AF031381	AF031381	KOI-4 gene
C80866	C80866	EST
D49544	D49544	KIFC1
M23568	M23568	Mouse transmembrane protein
Msa.15218.0	AA139306	EST
Msa.15405.0	W66916	EST
Msa.16087.0	W75077	EST
Msa.23422.0	AA049237	EST
Msa.34249.0	AA120054	EST
Msa.4071.0	AA023591	EST
Msa.4870.0	W15802	EST
Msa.5794.0	W12204	EST
U05809	U05809	LAF1 transketolase Mrna
U16740	U16740	capping protein alpha 1 subunit
U17698	U17698	ablphilin-1 (abi-1)
W98330	W98330	EST

Table 10. List of genes of cluster 2,3.

Probe Set	Accession No	Name
AA142815	AA142815	EST
AA250009	AA250009	EST
AA250191	AA250191	EST
AA266064	AA266064	EST
AA290533	AA290533	EST
AA414964	AA414964	EST
AA499351	AA499351	EST
AA543972	AA543972	EST
AA571110	AA571110	EST
AA596555	AA596555	EST
AA623801	AA623801	EST
AA638759	AA638759	EST
AA647560	AA647560	EST
AA673555	AA673555	EST
AA684083	AA684083	EST
AA691587	AA691587	EST
AA693156	AA693156	EST, similar to mouse complement receptor
C76960	C76960	EST, similar to mouse gene for beta-2-adrenergic receptor
D49956	D49956	8-oxo-dGTPase
M69069	M69069	EST
Msa.1022.0	L09104	Glucose phosphate isomerase
Msa.11057.0	AA107455	EST
Msa.1218.0	W15873	EST
Msa.15565.0	AA044496	EST
Msa.16027.0	AA105294	EST
Msa.2134.0	U25708	CD98 heavy chain mRNA
Msa.26631.0	AA064246	EST
Msa.27657.0	AA067335	EST
Msa.28307.0	AA071776	EST
Msa.29779.0	AA087616	EST
Msa.31964.0	AA106166	EST
Msa.3551.0	AA050913	EST
Msa.4530.0	AA106931	EST
R74815	R74815	EST
R75501	R75501	EST
U25844	U25844	serine proteinase inhibitor (SPI3)
U36760	U36760	brain factor-1 (Hfhbf1)
U72519	U72519	Ena-VASP like protein (Evl)
U96441	U96441	Numblake (m-nbl)
W08454	W08454	EST
W40719	W40719	EST
W61385	W61385	EST
W62546	W62546	EST
W83938	W83938	EST
X13605	X13605	Replacement variant histone H3.3
X14309	X14309	4F2 antigen heavy chain
X63039	X63039	RSP-1 mRNA for p33 protein.
X93357	X93357	SYT

Table 11. List of genes of cluster 2,4.

Probe Set	Accession No	Name
AA048964	AA048964	EST
AA163090	AA163090	EST, similar to ACIDIC 82 KDA PROTEIN
AA217487	AA217487	EST, similar to pim-1 proto-oncogene encoding pim-1 protein
AA538407	AA538407	EST, similar to 60S RIBOSOMAL PROTEIN L23A
AA543494	AA543494	EST similar to NADH-UBIQUINONE OXIDOREDUCTASE 13 KD-B SUBUNIT
AA549016	AA549016	EST
AA711306	AA711306	EST
C77501	C77501	EST
C77502	C77502	EST, similar to t-haplotype-specific elements
D87902	D87902	ARF5
D88793	D88793	cystein rich protein-1
Msa.11372.0	AA120695	EST
Msa.14584.0	W62712	EST
Msa.14872.0	W64413	EST
Msa.1544.0	U17252	Glutamate receptor 8 (mGluR8)
Msa.15849.0	W70733	EST
Msa.15920.0	W71773	EST
Msa.16333.0	W77259	EST
Msa.18233.0	AA003841	EST
Msa.24405.0	W89331	EST
Msa.25060.0	W89733	EST
Msa.2712.0	X56123	Talin
Msa.2924.0	X84940	SOD3
Msa.30761.0	AA098293	EST
Msa.5789.0	W18503	EST
Msa.794.0	M13660	Interferon-alpha (IFN-alpha-1-9)
Msa.8263.0	W30101	EST
W30059	W30059	EST, similar to CASEIN KINASE I, DELTA ISOFORM
W41121	W41121	EST
W45916	W45916	EST
W56954	W56954	EST
W64452	W64452	EST
W82073	W82073	EST
W90880	W90880	EST
X00246	X00246	Mouse mRNA with a Set 1 repetitive element for a class I major histocompatibility complex(MHC) antigen.
X02520	X02520	lactate dehydrogenase A4 isoenzyme
X14799	X14799	Mouse autocrine thymic lymphoma cell mRNA for serine protease.
X56123-2	X56123-2	Talin
X60289	X60289	Ribosomal protein S24
X91824	X91824	SPRR1a protein

Table 12. List of genes of cluster 2,5.

Probe Set	Accession No	Name	
AA175767	AA175767	EST	
AA210311	AA210311	EST	
AA241872	AA241872	EST, similar to YEAST YIL-0 LIKE PROTEIN	
AA407700	AA407700	EST	
AA415788	AA415788	EST	
AA422545	AA422545	EST	
AA547587	AA547587	EST	
C78483	C78483	EST, similar to elongation factor 1-alpha	
C78813	C78813	EST	
C79158	C79158	EST	
ET61826	ET61826, TIGR	Anti-DNA immunoglobulin heavy chain IgG mRNA, antibody 373s.91	
ET62813	U94419	Homeobox gene Sax2	
Msa.13003.0	W55814	EST	
Msa.16507.0	W97190	EST	
Msa.2339.0	U62672	Histone H3.1-D (H3-D) and histone H4-D (H4-D) genes	
Msa.3233.0	W29468	EST	
Msa.33225.0	AA110440	EST	
Msa.38969.0	AA145188	EST	
Msa.4454.0	W09506	EST	
Msa.6492.0	AA039109	EST	
X15267	X15267	Acidic ribosomal phosphoprotein PO	

Table 13. List of genes of cluster 2,6.

Probe Set	Accession No	Name
AA048623	AA048623	EST
AA110352	AA110352	EST, similar to SERINE/THREONINE PROTEIN KINASE
AA144734	AA144734	EST, similar to U2 SMALL NUCLEAR RIBONUCLEOPROTEIN A
AA217493	AA217493	EST
AA254605	AA254605	EST
AA267780	AA267780	EST
AA270657	AA270657	EST
AA408618	AA408618	EST
AA415813	AA415813	EST, similar to zinc finger protein
AA517846	AA517846	EST
AA517870	AA517870	EST
AA543665	AA543665	EST, similar to HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEINS C1/C2
AA571661	AA571661	EST
AA623849	AA623849	EST
AA672648	AA672648	EST
AA689927	AA689927	EST
AF011389	AF011389	Green cone pigment (GCP)
AF017021	AF017021	B-ATF mRNA
C77692	C77692	EST
C78141	C78141	EST
C79485	C79485	EST
C81377	C81377	EST
D17292	D17292	G protein-coupled receptor
D17674	D17674	cytochrome P-450
D49949	D49949	IGIF precursor polypeptide
ET61642	ET61642, TIGR	(G PROTEIN-ACTIVATED INWARD RECTIFIER POTASSIUM CHANNEL 2 (GIRK2) (POTASSIUM CHANNEL, INWARDLY RECTIFYING, SUBFAMILY J, MEMBER 6) (KIR3.2). Anti-PAH immunoglobulin Fab 10C10 heavy chain V and CH1 regions
ET62172	ET62172, TIGR	gene
ET62982	ET62982, TIGR	mRNA (2D11) for IgA V-D-J-heavy chain. GDP-dissociation inhibitor mRNA, preferentially expressed in
L07918	L07918	hematopoietic cells
L10427	L10427	ets-related protein 71 (ER71)
L23312	L23312	Mouse HD protein mRNA
M12818	M12818	MHC class II H2-IE-alpha (u haplotype) mRNA
M16238	M16238	fibrinogen-like protein gene
M19436	M19436	atrial/fetal myosin alkali light chain (Myla)
M27008	M27008	Alpha-1 acid glycoprotein (Agp-1B)
M33385	M33385	Mouse tyrosine protein kinase B (trkB)
M34857	M34857	Hox-2.5
M95599	M95599	Hox-1.11
M97017	M97017	Osteogenic protein-2 (OP-2)
Msa.11909.0	W51213	EST
Msa.12901.0	W55664	EST
Msa.16150.0	W75221	EST
Msa.17843.0	W98349	EST
Msa.18257.0	AA000396	EST
Msa.1833.0	W13196	EST
Msa.2146.0	W75353	EST
Msa.21741.0	AA028484	EST
Msa.21825.0	AA028730	EST
Msa.22003.0	AA030482	EST
Msa.22727.0	AA038134	EST
Msa.22987.0	AA039072	EST
Msa.24537.0	W81967	EST
Msa.2529.0	X88903	mRNA for variable light chain
Msa.25932.0	AA061041	EST
Msa.26813.0	AA064583	EST
Msa.2742.0	Z46227	histone H1
Msa.28939.0	AA073278	EST
Msa.3045.0	L10410	DNA-binding protein (CHD-1)
Msa.30891.0	AA102943	EST
Msa.31919.0	AA106069	EST
Msa.32107.0	AA106238	EST
Msa.35353.0	AA119571	EST
Msa.37174.0	AA140487	EST
Msa.38202.0	AA140415	EST
Msa.38819.0	AA144746	EST
Msa.40973.0	AA161818	EST
Msa.41963.0	AA166509	EST

Msa.42412.0	AA168279	EST
Msa.464.0	M90397	bcl-3
Msa.465.0	M22531	Complement C1q B chain
Msa.4737.0	W10037	EST
Msa.4758.0	AA050715	EST
Msa.4816.0	W91350	EST
Msa.7608.0	W29356	EST
Msa.9333.0	W36844	EST
Msa.950.0	J00398	MHC class II H2-IE-alpha gene
R74862	R74862	EST
U00689	U00689	TIA Mma
U23462	U23462	CD7 antigen (Cd7) gene
U34072-2	U34072-2	Steroid dehydrogenase (Ke 6) gene
U34272	U34272	Brain carcinoembryonic antigen (bCEA)
U37531	U37531	Mucin apoprotein mRNA
U89840	U89840	Prostate secretory protein (PSP94)
U92702	U92702	Olf-1/EBF-like-2(9L) transcription factor (O/E-2(9L))
U93862	U93862	Ribosomal protein L41 mRNA
W12913	W12913	EST
X54542	X54542	interleukin-6
X56182	X56182	myf-5 mRNA.
X72230	X72230	serotonin 5-HT1C receptor

Table 14. List of genes of cluster 3,1.

Probe Set	Accession No	Name
AA020104	AA020104	EST
AA020512	AA020512	EST
AA033154	AA033154	EST
AA116735	AA116735	EST
AA145471	AA145471	EST
AA162122	AA162122	EST
AA174485	AA174485	EST
AA174512	AA174512	EST
AA185650	AA185650	EST
AA199273	AA199273	EST
AA250004	AA250004	EST
AA271049	AA271049	EST
AA277153	AA277153	EST
AA289339	AA289339	EST
AA408229	AA408229	EST
AA420407	AA420407	EST, similar to AGX-1 ANTIGEN
AA474870	AA474870	EST
AA511464	AA511464	EST
AA575774	AA575774	EST, similar to A-GLUCOSIDASE I
AA589416	AA589416	EST
AA592658	AA592658	EST, similar to MICROSOMAL SIGNAL PEPTIDASE 21 KD SUBUNIT
AA637048	AA637048	EST
AA710204	AA710204	EST, similar to ACETYL-COA ACETYLTRANSFERASE PRECURSOR, MITOCHONDRIAL
AA710439	AA710439	EST
AF003693	AF003693	Scaffold protein Pbp1 homolog
AF003695	AF003695	Hypoxia-inducible factor 1 alpha (Hif1a) mRNA
D16464	D16464	helix-loop-helix factor HES-1 gene
D16847	D16847	stromal cell derived protein-1
D17920	D17920	EST
D86370	D86370	Megakaryocyte potentiating factor
L07037	L07037	N-acetylglucosaminyltransferase I
L10244	L10244	Spermidine/spermine N1-acetyltransferase (SSAT)
L29123	L29123	adrenodoxin
Msa.12706.0	AA060905	EST
Msa.1283.0	L18880	vinculin
Msa.13941.0	AA009014	EST
Msa.16998.0	AA117100	EST
Msa.1904.0	X58876	mdm2
Msa.28607.0	AA072239	EST
Msa.2867.0	AA108330	EST
Msa.3435.0	W29527	EST
Msa.353.0	L18888	calnexin
Msa.4180.0	W09025	EST
Msa.4498.0	W29543	EST
Msa.485.0	L16846	BTG1
Msa.5927.0	W12720	EST
Msa.6648.0	W90837	EST
Msa.6725.0	W14823	EST
Msa.7109.0	W77613	EST
Msa.8345.0	AA003022	EST
Msa.8828.0	W64174	EST
Msa.9533.0	W40670	EST
U03184	U03184	Cortactin
U62483	U62483	Ubiquitin conjugating enzyme (ubc4)
W15790	W15790	EST, similar to T-cell antigen receptor alpha-chain
W41417	W41417	EST
W54482	W54482	EST
W64313	W64313	EST
W65221	W65221	EST
X15373-2	X15373-2	Mouse cerebellum mRNA for P400 protein.
X69942	X69942	M.musculus mRNA of enhancer-trap-locus 1.
X70296	X70296	PN-1 mRNA for protease-nexin 1.
X80508	X80508	M.musculus YAP65 mRNA.
X96859	X96859	M.musculus mRNA for ubiquitin-conjugating enzyme.

Table 15. List of genes of cluster 3,2.

Probe Set	Accession No	Name
AA185352	AA185352	EST
AA209705	AA209705	EST
AA222031	AA222031	EST
AA239369	AA239369	EST, similar to UBIQUINOL-CYTOCHROME-C REDUCTASE COMPLEX CORE PROTEIN I PRECURSOR
AA274721	AA274721	EST
AA388848	AA388848	EST
AA403550	AA403550	EST
AA407629	AA407629	EST
AA408677	AA408677	EST
AA445408	AA445408	EST, similar to UBIQUINOL-CYTOCHROME C REDUCTASE IRON- SULFUR SUBUNIT PRECURSOR
C75942	C75942	EST
M93275	M93275	Adipose differentiation related protein (ADFP)
Msa.17122.0	W85397	EST
Msa.17925.0	W98379	EST
Msa.18613.0	AA002979	EST
Msa.23163.0	AA047939	EST
Msa.24365.0	W42234	EST
Msa.25862.0	AA060835	EST
Msa.30594.0	AA097711	EST
Msa.3944.0	W77121	EST
Msa.42195.0	AA166139	EST
Msa.5879.0	W30116	EST
Msa.7335.0	W34284	EST
U96700	U96700	Serine proteinase inhibitor 6 (SPI6)
W83347	W83347	EST

Table 16. List of genes of cluster 3,3.

Probe Set	Accession No	Name
AA003358	AA003358	EST
AA050541	AA050541	EST
AA103744	AA103744	EST
AA145203	AA145203	EST
AA161799	AA161799	EST, similar to PHOSPHOGLYCERATE MUTASE; BRAIN FORM.
AA204042	AA204042	EST
AA213210	AA213210	EST
AA230831	AA230831	EST, similar to SERINE/THREONINE PROTEIN KINASE
AA238056	AA238056	EST
AA273430	AA273430	EST
AA388667	AA388667	EST, similar to HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN K
AA408475	AA408475	EST
AA409805	AA409805	EST
AA413205	AA413205	EST
AA538310	AA538310	EST
AA717972	AA717972	EST, similar to MULTIFUNCTIONAL AMINOACYL-TRNA SYNTHETASE
AF017153	AF017153	Putative RNA helicase and RNA dependent ATPase (mDEAH9)
C76421	C76421	EST
L11316	L11316	Mouse oncogene (ect2)
M25149	M25149	Tum-P91A antigen gene
M27073	M27073	Protein phosphatase type 1 (dis2m2)
M69070	M69070	EST
Msa.10713.0	W48989	EST
Msa.10860.0	AA137409	EST
Msa.12956.0	AA137883	EST
Msa.13629.0	AA155371	EST
Msa.14020.0	W59791	EST
Msa.16262.0	AA013648	EST
Msa.17184.0	W87135	EST
Msa.18312.0	AA008683	EST
Msa.1903.0	U35323	H2-M alpha chain (H2-Ma) gene
Msa.20199.0	AA016727	EST
Msa.23647.0	AA050397	EST
Msa.24998.0	W90864	EST
Msa.25157.0	AA107471	EST
Msa.2739.0	W46019	EST
Msa.31925.0	AA106077	EST
Msa.32341.0	AA107887	EST
Msa.32581.0	AA107658	EST
Msa.32763.0	AA108891	EST
Msa.33222.0	AA119868	EST
Msa.34033.0	AA116633	EST
Msa.38604.0	AA144339	EST
Msa.39985.0	AA153343	EST
Msa.4085.0	AA140026	EST
Msa.5272.0	W53731	EST
Msa.5291.0	AA097018	EST
Msa.5523.0	W29424	EST
Msa.5891.0	W99981	EST
Msa.6742.0	W41072	EST
Msa.7151.0	W17549	EST
Msa.7212.0	W17745	EST
Msa.8383.0	AA003162	EST
Msa.9756.0	AA118560	EST
U10118	U10118	Endothelial-monocyte activating polypeptide II
U21489	U21489	Long-chain acyl-CoA dehydrogenase
U75530	U75530	PHAS-II
U80780	U80780	Putative histone deacetylase (HD1)
U86405	U86405	Brain amphiphysin 2 Mrna
U90355	U90355	Fascin gene
U95610	U95610	nimA-related kinase 2 (Nek2)
V01527	V01527	Major histocompatibility antigen. This is a class II antigen, I-A-beta.
X65627	X65627	TNZ2 for p68 RNA helicase
X67644	X67644	gly96 mRNA
X67809	X67809	M.musculus mama mRNA.
Z29532	Z29532	folistatin

Table 17. List of genes of cluster 3,4.

Probe Set	Accession No	Name
AA032764	AA032764	EST
AA034530	AA034530	EST
AA119603	AA119603	EST
AA170696	AA170696	EST
AA177300	AA177300	EST
AA185902	AA185902	EST
AA204524	AA204524	EST
AA261719	AA261719	EST
AA267137	AA267137	EST
AA408789	AA408789	EST, similar to human arginine-rich protein (ARP) gene
AA590060	AA590060	EST
AA608387	AA608387	EST
C79645	C79645	EST
D32250	D32250	Aldose reductase
ET63241	ET63241, TIGR	(APOPAIN PRECURSOR (EC 3.4.22.-) (CYSTEINE PROTEASE CPP32) (YAMA PROTEIN) (CASPASE-3) (LICE).
K01925	K01925	MHC class II H2-IA-alpha gene (q haplotype)
L20294	L20294	GTP-binding protein (mSara) homologue
L29454	L29454	fibrillin (Fbn-1)
M18194	M18194	fibronectin (FN)
M29881	M29881	MHC class I Q8/9d cell surface antigen
M62867	M62867	Y box transcription factor (MSY-1)
M72394	M72394	Calcium-dependent phospholipid binding protein (PLA2)
Msa.10294.0	W47695	EST
Msa.11506.0	W50532	EST
Msa.11817.0	W50866	EST
Msa.12411.0	W55087	EST
Msa.12676.0	W55283	EST
Msa.17423.0	W91503	EST
Msa.19745.0	AA014804	EST
Msa.21745.0	AA119194	EST
Msa.22770.0	AA038347	EST
Msa.257.0	U00932	Glutamine:fructose-6-phosphate amidotransferase
Msa.27251.0	AA065739	EST
Msa.2787.0	U53455	Chloride ion current inducer protein (CLCI)
Msa.27963.0	AA068158	EST
Msa.28624.0	AA072304	EST
Msa.29835.0	AA087721	EST
Msa.2988.0	W85446	EST
Msa.30021.0	AA163911	EST
Msa.30602.0	AA097524	EST
Msa.31466.0	AA104459	EST
Msa.32904.0	AA109527	EST
Msa.3454.0	W29730	EST
Msa.41597.0	AA163643	EST
Msa.5993.0	AA033375	EST
Msa.6128.0	W13162	EST
Msa.6550.0	AA034842	EST
Msa.657.0	M18194	fibronectin (FN)
Msa.9090.0	AA008245	EST
Msa.9183.0	AA072843	EST
R75312	R75312	EST
U30839	U30839	Voltage dependent anion channel 3
U51196	U51196	APC-binding protein EB1 homolog
W53443	W53443	EST, similar to 5'-nucleotidase
X14972	X14972	Alpha-adaptin (C)
X70067	X70067	RNPS1 mRNA for RNA/DNA-binding protein
X72310	X72310	DRTF-polypeptide-1 (DP-1)
X78684	X78684	B-cell receptor associated protein (BAP) 29
X92590	X92590	HIRA protein
Y11666	Y11666	Hexokinase II

Table 18. List of genes of cluster 3,5.

Probe Set	Accession No	Name
AA274076	AA274076	EST
AA407116	AA407116	EST
AA409164	AA409164	EST
AA409750	AA409750	EST
AA414995	AA414995	EST
AA691772	AA691772	EST
C77806	C77806	EST, similar to carboxypeptidase B gene
C78482	C78482	EST
D87899	D87899	ARF2
L75822	L75822	Follistatin-like protein
M18184	M18184	Lymphocyte differentiation antigen (Ly-6.2)
Msa.1823.0	U37501	Laminin alpha 5 chain (Lama5)
Msa.22725.0	AA038142	EST
Msa.2507.0	X57349	EST
Msa.29126.0	AA073584	EST
Msa.33600.0	AA111263	EST
Msa.34399.0	AA117701	EST
Msa.37214.0	AA138121	EST
Msa.42716.0	AA168937	EST
Msa.613.0	M17327	Endogenous murine leukemia virus modified polytropic provirus
U41736	U41736	Ancient ubiquitous 46 kDa protein AUP1 precursor (Aup1)
U71205	U71205	Mus musculus rit Mrna
U92478	U92478	SrcSH3 binding protein
W81858	W81858	EST
X53753	X53753	Nonmuscle tropomyosin 5.
X65138	X65138	M.musculus mRNA for tyrosine kinase.
X71788	X71788	blr-1 gene for Burkitt lymphoma receptor 1 homologue.

Table 19. List of genes of cluster 3,6.

Probe Set	Accession No	Name
AA048123	AA048123	EST, similar to laminin receptor
AA178476	AA178476	EST
AA189555	AA189555	EST
AA221865	AA221865	EST
AA267955	AA267955	EST
AA472919	AA472919	EST
AA673434	AA673434	EST
AA718288	AA718288	EST
C76668	C76668	EST, similar to Woolly monkey sarcoma virus SSAV provirus pol gene
D87911	D87911	Ki antigen
ET61660	ET61660, TIGR	Mouse clone 1G2 IgG anti-nucleosome heavy chain variable region
ET62211	ET62211, TIGR	Formin (Fmn) gene
ET62993	ET62993, TIGR	Ki-67 antigen
K00811	K00811	Carbonic anhydrase isozyme II
K02245	K02245	Placental proliferin 2
L22067	L22067	Mouse testis abundant mRNA sequence.
L39357	L39357	Migration inhibitory factor (Mif) gene
M20632	M20632	Mouse LLRep3 protein mRNA from a repetitive element
M74425	M74425	Serotonin-gated ion channel (5HT3)
Msa.1197.0	M61737	Adipocyte-specific Mrna
Msa.14726.0	W64058	EST
Msa.1600.0	L20315	MPS1 gene
Msa.17707.0	W97721	EST
Msa.24240.0	W17839	EST
Msa.27168.0	AA066209	EST
Msa.36417.0	AA124170	EST
Msa.40672.0	AA155064	EST
Msa.499.0	L20343	L-type calcium channel beta 2a subunit isoform
Msa.5431.0	W11378	EST
T25571	T25571	EST
U01063	U01063	Mouse pLK serine/threonine kinase
U06431	U06431	Mouse polymeric immunoglobulin
U09383	U09383	Calcium-activated potassium channel
U19119	U19119	G-protein-like LRG-47 mRNA
U40575	U40575	Single-minded 1 (Sim1) mRNA
U63133	U63133	Mouse C-type ecotropic endogenous retrovirus
U76759	U76759	Nuclear protein NIP45 mRNA
W81812	W81812	EST
W91599	W91599	EST, similar to B1 repeat

Table 20. List of genes of cluster 4,1.

Probe Set	Accession No	Name
AA032741	AA032741	EST
AA107660	AA107660	EST
AA177753	AA177753	EST
AA182340	AA182340	EST
AA183033	AA183033	EST
AA219964	AA219964	EST
AA268163	AA268163	EST
AA270180	AA270180	EST
AA285635	AA285635	EST
AA620184	AA620184	EST
C78620	C78620	EST
L49502	L49502	Phosphoprotein (p150TSP)
Msa.14909.0	W64561	EST
Msa.17760.0	W98059	EST
Msa.20074.0	AA015570	EST
Msa.2314.0	X57024	Murine GLUD mRNA for glutamate dehydrogenase
Msa.29538.0	AA086745	EST
Msa.30310.0	AA096813	EST
Msa.30968.0	AA103078	EST
Msa.31166.0	AA103475	EST
Msa.36026.0	AA145127	EST
Msa.42674.0	AA168866	EST
Msa.4518.0	W63809	EST
Msa.7750.0	AA124985	EST
Msa.8108.0	W29849	EST
Msa.9686.0	AA000817	EST
U31758	U31758	Mouse transcriptional regulator RPD3 homolog
X17500	X17500	Mouse mRNA for putative transcription factor of the insulin gene
X77731	X77731	Deoxycytidine kinase.

Table 21. List of genes of cluster 4,2.

Probe Set	Accession No	Name
AA407018	AA407018	EST
AA543365	AA543365	EST
ET61853	ET61853, TIGR	Anti-DNA immunoglobulin heavy chain IgG mRNA, antibody 423p.83
M74227	M74227	Cyclophilin C (cyp C)
Msa.22997.0	AA039104	EST
Msa.30929.0	AA103029	EST
Msa.34802.0	AA169951	EST
Msa.3969.0	AA153158	EST
Msa.42173.0	AA166088	EST
U70139	U70139	Putative CCR4 protein
W64827	W64827	EST
W66729	W66729	EST
W71236	W71236	EST
W97333	W97333	EST
X51438	X51438	Vimentin

Table 22. List of genes of cluster 4,3.

Probe Set	Accession No	Name
AA049623	AA049623	EST
AA050066	AA050066	EST
AA122805	AA122805	EST
AA152590	AA152590	EST, similar to initiation factor eIF-4A long form
AA172673	AA172673	EST
AA184798	AA184798	EST
AA230943	AA230943	EST
AA261680	AA261680	EST
AA267281	AA267281	EST
AA275260	AA275260	EST
AA289122	AA289122	EST, similar to CYCLIN-DEPENDENT KINASES REGULATORY SUBUNIT 2
AA472795	AA472795	EST
AA690652	AA690652	EST, similar to PHOSPHOLIPASE A-2-ACTIVATING PROTEIN
C78062	C78062	EST, similar to translocon-associated protein
M81477	M81477	Cytoplasmic phosphotyrosine phosphatase
Msa.1085.0	J04847	Mouse PL10 protein
Msa.11039.0	W51433	EST
Msa.13177.0	W53461	EST
Msa.13362.0	AA168363	EST
Msa.15442.0	AA044561	EST
Msa.18695.0	AA051121	EST
Msa.19010.0	AA007947	EST
Msa.21996.0	AA108956	EST
Msa.22825.0	AA038437	EST
Msa.23018.0	AA039124	EST
Msa.2305.0	X59728	gas5 growth arrest specific protein
Msa.24713.0	W83038	EST
Msa.28825.0	AA072911	EST
Msa.30464.0	AA097203	EST
Msa.41890.0	AA165758	EST
Msa.41898.0	AA165771	EST
Msa.4225.0	AA109243	EST
Msa.42673.0	AA168865	EST
Msa.42799.0	AA169961	EST
Msa.8069.0	W29756	EST
Msa.8374.0	AA060808	EST
U13262	U13262	Myelin gene expression factor (MEF-2)
U59761	U59761	Na ⁺ ,K ⁺ -ATPase beta 3 subunit (ATP1B3)
U96746	U96746	Antioxidant enzyme AOE372
W41927	W41927	EST
X63100	X63100	connexin45

Table 23. List of genes of cluster 4,4.

Probe Set	Accession No	Name
AA008321	AA008321	EST, similar to PROTEASOME COMPONENT C9
AA145945	AA145945	EST, similar to ELONGATION FACTOR 1-GAMMA
AA182980	AA182980	EST
AA189518	AA189518	EST
AA200970	AA200970	EST
AA220572	AA220572	EST, similar to HYPOTHETICAL 38.5 KD PROTEIN IN CCP1-SIS2 INTERGENIC REGION
AA259483	AA259483	EST, similar to THYMIDYLATE KINASE
AA395999	AA395999	EST
AA408501	AA408501	EST
AA512369	AA512369	EST, similar to SET PROTEIN
AA537404	AA537404	EST, similar to THYMOSIN BETA-10
AA537518	AA537518	EST
AA614954	AA614954	EST
AA645181	AA645181	EST
AA671586	AA671586	EST, similar to N-TERMINAL ACETYLTRANSFERASE 1
AA673176	AA673176	EST
C79202	C79202	EST
C79428	C79428	EST, similar to Cctq mRNA for CCT (chaperonin)
C80099	C80099	EST
D86729	D86729	Topoisomerase-inhibitor suppressed gene
K01700-2	K01700-2	Mouse p53 cellular tumor antigen
K02927	K02927	Mouse ribonucleotide reductase subunit M1
L04280	L04280	Ribosomal protein (Rpl12)
L29479	L29479	Serine/threonine kinase (sak-a)
L32836	L32836	S-adenosyl homocysteine
M33212	M33212	Nucleolar protein N038
M35244-2	M35244-2	Mouse MHC class I H2-TL-T10-129 mRNA (b haplotype)
M95200	M95200	Vascular endothelial growth factor
Msa.1023.0	AA050852	EST
Msa.12494.0	W55037	EST
Msa.13685.0	W58987	EST
Msa.14444.0	AA110896	EST
Msa.15493.0	AA144078	EST
Msa.16751.0	W78604	EST
Msa.17066.0	W85163	EST
Msa.17592.0	W96831	EST
Msa.18141.0	W99950	EST
Msa.18373.0	AA000468	EST
Msa.18493.0	AA002621	EST
Msa.19139.0	W91398	EST
Msa.2008.0	AA154444	EST
Msa.22113.0	AA031115	EST
Msa.26539.0	AA063966	EST
Msa.2662.0	AA116592	EST
Msa.28.0	D12618	Nucleosome assembly protein-1
Msa.28141.0	AA068708	EST
Msa.28680.0	AA072381	EST
Msa.28719.0	AA072611	EST
Msa.29968.0	AA104940	EST
Msa.33934.0	AA116335	EST
Msa.34708.0	AA118546	EST
Msa.3490.0	AA146194	EST
Msa.5443.0	W41861	EST
Msa.6243.0	W41974	EST
Msa.8059.0	W29669	EST
Msa.8882.0	W34756	EST
Msa.978.0	M86390	Moesin
R75048	R75048	EST, similar to FK506-binding protein 25 (FKBP25)
U11274	U11274	Mus musculus clone pmuAUF1-3 RNA-binding protein AUF1
U25633	U25633	Mouse tumor-associated membrane protein (TMP)
U67771	U67771	Mouse ribosomal protein L8 (RPL8)
U85614	U85614	Mouse SRC3
U89876	U89876	Transcriptional coactivator ALY (ALY)
V00755	V00755	Mouse interferon beta (type 1)
X15963	X15963	Cytochrome c oxidase subunit Va.
X57377	X57377	Dilute myosin heavy chain gene
Y07711	Y07711	Zyxin
Z37164	Z37164	Cctq mRNA encoding cytosolic chaperone containing TCP-1, theta subunit (CCTtheta).

Table 24. List of genes of cluster 4,5.

Probe Set	Accession No	Name
AA120443	AA120443	EST
AA268341	AA268341	EST, similar to UBIQUITIN-CONJUGATING ENZYME E2
AA408104	AA408104	EST, similar to translational initiation factor (eIF-2) alpha subunit
AA690055	AA690055	EST
C78980	C78980	EST
D83596	D83596	Embryonic TEA domain-containing factor (ETF)
D87909	D87909	PA28 alpha subunit
D87910	D87910	PA28 beta subunit
L04128	L04128	Ribosomal protein L18 (rpL18)
L12030	L12030	Pre-B cell growth stimulating factor
L15443	L15443	L6 antigen
L32751	L32751	GTPase (Ran)
L38444	L38444	T-cell specific protein Mrna
M13352	M13352	Thymidylate synthase
M35153	M35153	Lamin B
M37736	M37736	Replication-dependent histone H2A.1 gene
M55637	M55637	HAM1 gene
Msa.15231.0	W65634	EST
Msa.16680.0	AA051583	EST
Msa.26582.0	AA064066	EST
Msa.28697.0	AA072573	EST
Msa.295.0	L11613	Proteasome (Imp2) gene
Msa.42668.0	AA168859	EST
Msa.5029.0	W20828	EST
Msa.5247.0	W17411	EST
U49350	U49350	CTP synthetase
U52951	U52951	Putative transcriptional regulator mEnx-1
U53547	U53547	EST
W34733	W34733	EST
W48027	W48027	EST
X01756	X01756	Cytochrome c gene (MC1)
X55573	X55573	Brain-derived neurotrophic factor Mrna
X66032	X66032	Cyclin B2
X68193	X68193	Nucleoside diphosphate kinase B.
X75285	X75285	Fibulin-2

Table 25. List of genes of cluster 4,6.

Probe Set	Accession No	Name
AA164049	AA164049	EST
AA269806	AA269806	EST, similar to C3H gene for histone H2A.X
AA414288	AA414288	EST
AA571638	AA571638	EST
AF019249	AF019249	Nmi Mrna
C79184	C79184	EST, similar to nuclear pore-targeting complex
C80004	C80004	EST, similar to tpr
C80644	C80644	EST, similar to eukaryotic initiation factor 4 gamma (eIF-4)
D64160	D64160	Mouse clone Rae-107 mRNA for cell surface protein
J04627	J04627	NAD-dependent methylenetetrahydrofolate dehydrogenase-methenyltetrahydrofolate cyclohydrolase
L19311	L19311	Spermidine synthase
L26316	L26316	Dihydrofolate reductase (dhfr)
L41154	L41154	SM22 alpha
M21065	M21065	Interferon regulatory factor 1
M24086	M24086	Retinal S-antigen (Sag)
M65237	M65237	Murinoglobulin (MUG3)
Msa.10012.0	W44037	EST
Msa.1323.0	L19311	Spermidine synthase
Msa.34023.0	AA116778	EST
Msa.39865.0	AA153040	EST
U14648	U14648	Putative myelin regulatory factor 1
U15562	U15562	CDC25
U38940	U38940	Asparagine synthetase
U52524	U52524	Hyaluronan synthase 2 (Has2)
U62523	U62523	Msx3
U69488	U69488	Mouse viral envelope like protein (G7e) gene
U70494	U70494	Mouse histone H2A.Z (H2A.Z)
U78048	U78048	Bone morphogenetic protein type II receptor BRK-3
U78818	U78818	Abl- and p120 rasGAP-associated protein Dok (dok)
U80819	U80819	Glutathione-S-transferase homolog
U80932	U80932	Serine/threonine kinase Ayk1 (ayk1)
X17502	X17502	Mouse mRNA overexpressed and amplified in teratocarcinoma cell line ECA39.
X53584	X53584	Mouse mRNA for HSP60 protein (clones 3T3-7, -9, and -M1).
X58438	X58438	Mouse MP4 gene for a proline-rich protein.

Table 26. List of genes of cluster 5,1.

Probe Set	Accession No	Name
AA119035	AA119035	EST, similar to HUMAN PUTATIVE RNA HELICASE HRH1
AA138853	AA138853	EST
AA164044	AA164044	EST
AA230776	AA230776	EST
AA266066	AA266066	EST
AA409140	AA409140	EST
AA509429	AA509429	EST
AB003144	AB003144	Initiation factor 2-associated 67kDa protein
AJ002390	AJ002390	Annexin VIII
D29678	D29678	Cyclin-dependent kinase 5 (CDK5)
D63850	D63850	Hepatoma-derived growth factor
D78255	D78255	PAP-1
Msa.10008.0	W44030	EST
Msa.10450.0	W89599	EST
Msa.1099.0	W46015	EST
Msa.14652.0	W63876	EST
Msa.19398.0	AA013615	EST
Msa.22528.0	AA035938	EST
Msa.22866.0	AA038626	EST
Msa.24673.0	W82793	EST
Msa.28027.0	AA068364	EST
Msa.30463.0	AA097202	EST
Msa.33332.0	AA110627	EST
Msa.34515.0	AA117905	EST
Msa.41232.0	AA162290	EST
Msa.583.0	W18601	EST
Msa.6321.0	AA002852	EST
Msa.7328.0	W53188	EST
W81884	W81884	EST, similar to t-complex protein
X57024	X57024	Murine GLUD mRNA for glutamate dehydrogenase.
Z31330	Z31330	EST

Table 27. List of genes of cluster 5,2.

Probe Set	Accession No	Name
AA408818	AA408818	EST
ET61411	ET61411, TIGR	Thymopoietin gamma
Msa.10820.0	W48968	EST
Msa.12361.0	W54839	EST
Msa.21376.0	AA023796	EST
Msa.2743.0	W15568	EST
Msa.32453.0	AA108121	EST
Msa.33290.0	AA142505	EST
Msa.38219.0	AA140350	EST
U27838	U27838	Glycosyl-phosphatidyl-inositol-anchored protein homolog
X14425	X14425	Profilin

Table 28. List of genes of cluster 5,3.

Probe Set	Accession No	Name
AA409333	AA409333	EST
		EST, similar to CYCLIN-DEPENDENT KINASES REGULATORY SUBUNIT 1
AA475191	AA475191	
AA512178	AA512178	EST, similar to ARGINYL-TRNA SYNTHETASE
AA637306	AA637306	EST
AA674093	AA674093	EST
C79420	C79420	EST
D90344	D90344	T-complex polypeptide 1A (Tcp-1a)
Msa.10044.0	AA068780	EST
Msa.13756.0	AA118121	EST
Msa.15983.0	W71901	EST
Msa.16182.0	W75373	EST
Msa.21947.0	AA030364	EST
W12251	W12251	EST
Z31555	Z31555	CCT (chaperonin containing TCP-1) epsilon subunit

Table 29. List of genes of cluster 5,4.

Probe Set	Accession No	Name
AA545124	AA545124	EST, similar to CHROMOSOME REGION MAINTENANCE PROTEIN 1
AA561108	AA561108	EST
C81593	C81593	EST, similar to ribonucleotide reductase M2 subunit
D90151	D90151	CArg-binding factor-A
M32490	M32490	Cyr61 gene
Msa.13983.0	W59693	EST
Msa.16208.0	W75403	EST
Msa.1837.0	U43918	Proliferation-associated protein 1
Msa.23820.0	AA051240	EST
Msa.33141.0	AA110061	EST
Msa.34562.0	AA123463	EST
Msa.7866.0	AA028288	EST
W20545	W20545	EST, similar to SPLICING FACTOR U2AF 35 KD SUBUNIT
X56045	X56045	Mouse mRNA (clone lambda-19) for hypothetical protein A.

Table 30. List of genes of cluster 5,5.

Probe Set	Accession No	Name
AA273852	AA273852	EST, similar to HYPOTHETICAL 39.6 KD PROTEIN IN MTD1-NUP133 INTERGENIC REGION
AA673431	AA673431	EST
C78107	C78107	EST, similar to adenine nucleotide translocase
D85904	D85904	Apg-2
Msa.13689.0	W71889	me46b06.r1 Mus musculus cDNA, 5' end
Msa.18569.0	AA002747	mg38h11.r1 Mus musculus cDNA, 5' end
U15635	U15635	IFN-gamma induced (Mg11) mRNA
U53546	U53546	Mouse chromosome 19 expressed mRNA
U63648	U63648	p160 myb-binding protein (P160)

Table 31. List of genes of cluster 5,6.

Probe Set	Accession No	Name
AA120653	AA120653	EST, similar to SM22-ALPHA HOMOLOG
AA177556	AA177556	EST
AA217531	AA217531	EST
K02891	K02891	Interleukin 2 receptor
L11145	L11145	Proteasome subunit (Imp7) gene
L21027	L21027	Mouse A10 gene
M11686	M11686	Endo B cytokeratin
Msa.1376.0	X16151	Early T-lymphocyte activation 1 protein (ETa-1)
U53208	U53208	Zuotin related factor (ZRF1)
X56602	X56602	Interferon-induced 15-KDa protein

Table 32. List of genes of cluster 6,1.

Probe Set	Accession No	Name
AA030185	AA030185	EST
AA048927	AA048927	EST, similar to MULTIFUNCTIONAL AMINOACYL-TRNA SYNTHETASE
AA104254	AA104254	EST
AA163694	AA163694	EST
AA184872	AA184872	EST
AA266888	AA266888	EST
AA271603	AA271603	EST
AA387334	AA387334	EST, similar to HYPOTHETICAL 16.2 KD PROTEIN IN SME1-MEF2 INTERGENIC REGION.
AA422456	AA422456	EST
AA545295	AA545295	EST
AA561503	AA561503	EST
AA562768	AA562768	EST
AA617161	AA617161	EST
D83999	D83999	Third largest RNA polymerase II subunit
D86726	D86726	mMis5 gene
M63725	M63725	Mouse binding protein for T-cell receptor (TCR-ATF1)
Msa.10151.0	AA104912	EST
Msa.10249.0	W55117	EST
Msa.10567.0	AA003323	EST
Msa.11304.0	AA060409	EST
Msa.11698.0	W50904	EST
Msa.12184.0	W54339	EST
Msa.16145.0	W75205	EST
Msa.1896.0	U37353	Protein phosphatase 2A B'alpha3 regulatory subunit
Msa.19090.0	AA008502	EST
Msa.20317.0	AA017790	EST
Msa.21971.0	AA154451	EST
Msa.22526.0	AA035923	EST
Msa.24633.0	AA119121	EST
Msa.27521.0	AA067049	EST
Msa.27790.0	AA170104	EST
Msa.30774.0	AA098307	EST
Msa.31906.0	AA106869	EST
Msa.32941.0	AA162233	EST
Msa.3318.0	X14805	DNA (cytosine-5)-methyltransferase (EC 2.1.1.37)
Msa.36499.0	AA125458	EST
Msa.3814.0	AA125310	EST
Msa.3904.0	AA153265	EST
Msa.43200.0	D00925	Transcription factor S-II-related protein
Msa.4492.0	AA002883	EST
Msa.751.0	J03482	Histone H1 gene
Msa.9013.0	AA030658	EST
U70315	U70315	U1 snRNP-specific protein C
W71635	W71635	EST
W97690	W97690	EST
X92842	X92842	SURF-6 protein.
Z31267	Z31267	EST
Z31296	Z31296	EST
Z36270	Z36270	GC Binding Protein

Table 33. List of genes of cluster 6,2.

Probe Set	Accession No	Name
AA269931	AA269931	EST
AA270215	AA270215	EST
AA409254	AA409254	EST
AA592163	AA592163	EST
D86609	D86609	RPA16
Msa.194.0	W41880	EST
Msa.2702.0	X78304	(SRP9) signal recognition particle subunit
Msa.29664.0	AA087276	EST
Msa.39062.0	AA145181	EST
Msa.42914.0	AA170223	EST
Msa.4855.0	AA144693	EST
U12273	U12273	Apurinic/apyrimidinic endonuclease (Apex) gene
W18438	W18438	EST
X64587	X64587	Splicing factor U2AF (65 kD)
X72711	X72711	Replication factor C, large subunit

Table 34. List of genes of cluster 6,3.

Probe Set	Accession No	Name
AA013993	AA013993	EST
AA079910	AA079910	EST
AA407078	AA407078	EST
AA510289	AA510289	EST
AA712021	AA712021	EST
D55720	D55720	Nuclear pore-targeting complex component
D87661	D87661	Mouse mRNA for 14-3-3 eta gene
Msa.10678.0	W48921	EST
Msa.11469.0	W54878	EST
Msa.16214.0	W75484	EST
Msa.16618.0	AA003990	EST
Msa.22205.0	AA032948	EST
Msa.22541.0	AA035984	EST
Msa.2433.0	AA016431	EST
Msa.24693.0	W82720	EST
Msa.27429.0	AA105703	EST
Msa.28144.0	AA068712	EST
Msa.3027.0	U25691	Lymphocyte specific helicase
Msa.37326.0	AA138378	EST
Msa.39021.0	AA145160	EST
Msa.41859.0	AA166580	EST
Msa.41995.0	AA165782	EST
Msa.42958.0	AA170375	EST
Msa.8942.0	W34891	EST
W35693	W35693	EST
W40995	W40995	EST, similar to DOLICHYL-PHOSPHATE BETA-GLUCOSYLTRANSFERASE
X61449	X61449	Mouse mRNA for clone DN38.
X62742	X62742	Mouse Ma mRNA.
X70100	X70100	Mouse mal1 mRNA for keratinocyte lipid-binding protein
X75888	X75888	Cyclin E.
X83601	X83601	Mouse PTX3 mRNA
Z31134	Z31134	EST
Z31557	Z31557	CCT (chaperonin containing TCP-1) zeta subunit
Z46757	Z46757	High mobility group 2 protein
Z49085	Z49085	Mouse developmental kinase 2 (MDK2).

Table 35. List of genes of cluster 6,4.

Probe Set	Accession No	Name
AA153942	AA153942	EST
AA170668	AA170668	EST
AA185357	AA185357	EST
AA277739	AA277739	EST
AA426917	AA426917	EST, similar to cyclin B1
AA432946	AA432946	EST
AA537407	AA537407	EST, similar to NUCLEAR RNA HELICASE
AA596463	AA596463	EST
AA620113	AA620113	EST, similar to GALACTOKINASE
AA672475	AA672475	EST
C78101	C78101	EST
D21099	D21099	STK-1 (serine/threonine kinase)
D38517	D38517	DHM-1
M14223	M14223	Ribonucleotide reductase M2 subunit
M19438	M19438	Cytosolic thymidine kinase
M64291	M64291	Prostaglandin synthase
Msa.12265.0	W54590	EST
Msa.15090.0	AA008043	EST
Msa.24555.0	W81760	EST
Msa.26264.0	AA062013	EST
Msa.272.0	X70847	Adenine nucleotide translocase
Msa.29092.0	AA073593	EST
Msa.3115.0	Z80941	Semaphorin H
Msa.33057.0	AA110046	EST
Msa.34603.0	AA118151	EST
Msa.3748.0	W08610	EST
Msa.39417.0	AA146127	EST
Msa.41695.0	AA163900	EST
Msa.42266.0	AA167947	EST
Msa.799.0	J00424	Mouse interferon-beta; 12S fraction Mrna
Msa.8945.0	W64791	EST
U63294	U63294	Survival motor neuron (Smn) Mrna
V00756	V00756	Mouse interferon beta (type 2)
X07699	X07699	Nucleolin gene
X84789	X84789	Mouse mRNA for p38-2G4.
Z22593	Z22593	Fibrillarin

Table 36. List of genes of cluster 6,5.

Probe Set	Accession No	Name
AA290110	AA290110	EST, similar to chromatin nonhistone high mobility group protein
AA473299	AA473299	EST
AA509478	AA509478	EST
AA607833	AA607833	EST
AF031486	AF031486	Spermidine aminopropyltransferase (Mspmsy)
M70642	M70642	Mouse FISP-12 protein (fisp-12)
Msa.1629.0	U22031	Mouse 20S proteasome subunit Lmp7 (Lmp7d allele)
Msa.23858.0	AA051446	EST
Msa.34039.0	AA116789	EST
Msa.39424.0	AA146156	EST
Msa.47.0	D12513	DNA topoisomerase II
U27316	U27316	Adenine nucleotide translocase-2 (Ant2)
X66081	X66081	Pgp-1 mRNA for CD44 (clone M1)

Table 37. List of genes of cluster 6,6.

Probe Set	Accession No	Name
AA204020	AA204020	EST
AA275273	AA275273	EST
AA288442	AA288442	EST
AA415898	AA415898	EST
C76678	C76678	EST, similar to phosphoribosylpyrophosphate synthetase (PRPS1)
C78700	C78700	EST, similar to alpha-D-galactosidase A (Ags)
D12513	D12513	DNA topoisomerase II
D14566	D14566	Lmp-2 gene for LMP-2 polypeptide and Tap-1 gene
D85561	D85561	Proteasome subunit MECL1
ET63172	ET63172	IgG light chain, variable region
J04179	J04179	Nonhistone high mobility group protein (HGM-I(Y)
M33960	M33960	Plasminogen activator inhibitor (PAI-1)
M73696	M73696	Glv-1
M86377	M86377	Mouse esk kinase
Msa.11648.0	W50837	EST
Msa.13851.0	AA144400	EST
Msa.18983.0	AA008053	EST
Msa.2217.0	X16389	c-myb oncogene
Msa.289.0	U06924	Signal transducer and activator of transcription (Stat1)
Msa.3105.0	X64550	Hyaluronan receptor RHAMM
Msa.37791.0	AA153021	EST
Msa.38777.0	AA144768	EST
Msa.5962.0	W85270	EST
Msa.757.0	J04179	Nonhistone high mobility group protein (HGM-I(Y)
U44731	U44731	Putative purine nucleotide binding protein
U53219	U53219	GTPase IGTP Mrna
X13297	X13297	Vascular smooth muscle alpha-actin
X51834	X51834	Osteopontin
X63099	X63099	Connexin31
X70472	X70472	B-myb
X99915	X99915	Mouse HMGI-C gene