probe.set	Gene Title	Gene Symbol	LD rank	DD rank	Phase (ZT)	Biological proccess I	Biological proccess II
AFFX-GapdhM	similar to glyceraldehyde-3-phosphate dehydrogenase	Gapd	1	404	20.5		metabolism
1415696_at	SAR1 gene homolog A (S. cerevisiae)	Sar1a	2	31692	20.5	transport	development
1415779_s_at	actin, gamma, cytoplasmic 1	Actg1	3	1	4.5	development	cell organization and biogenesis
1415822_at	stearoyl-Coenzyme A desaturase 2	Scd2	4	1578	4.5	metabolism	
1415918_a_at	triosephosphate isomerase 1	Tpi1	5	153	16.5	metabolism	
1415984_at	acyl-Coenzyme A dehydrogenase, medium chain	Acadm	6	2	12.5	metabolism	
1415993_at	squalene epoxidase	Sqle	7	65	4.5	metabolism	
1416069_at	phosphofructokinase, platelet	Pfkp	8	301	20.5	metabolism	
1416178_a_at	pleckstrin homology domain containing, family B (evectins) member 1	Plekhb1#,##	9	3	16.5		
1416203_at	aquaporin 1	Aqp1	10	4	20.5	transport	
1416256_a_at	tubulin, beta 5	Tubb5	11	91	20.5	cell proliferation-cell cycle	death
1416332_at	cold inducible RNA binding protein	Cirbp	12	74	8.5	stress response	
1416335_at	macrophage migration inhibitory factor	Mif	13	443	16.5	cell proliferation-cell cycle	stress response
1416480_a_at	HIG1 domain family, member 1A	Higd1a	14	28707	16.5		
1416921_x_at	aldolase 1, A isoform	Aldoa	15	1101	20.5	metabolism	
1416953_at	connective tissue growth factor	Ctgf#	16	5	12.5	cell adhesion	DNA metabolism
1416956_at	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	17	6639	20.5	transport	
1416958_at	nuclear receptor subfamily 1, group D, member 2	Nr1d2#	18	49	8.5	RNA metabolism-transcription	metabolism
1417161_at	CDK2-associated protein 2	Cdk2ap2	19	7201	0.5		
1417244_a_at	interferon regulatory factor 7	Irf7##	20	199	16.5	RNA metabolism-transcription	protein metabolism
1417308_at	pyruvate kinase, muscle	Pkm2	21	718	20.5	metabolism	
1417429_at	flavin containing monooxygenase 1	Fmo1##	22	73	12.5	transport	metabolism
1417602_at	period homolog 2 (Drosophila)	Per2#,##	23	6	8.5	RNA metabolism-transcription	signal transduction
1417841_at	peroxisomal membrane protein 2	Pxmp2	24	192	12.5	cell organization and biogenesis	
1417864_at	phosphoglycerate kinase 1	Pgk1	25	234	16.5	metabolism	
1418174_at	D site albumin promoter binding protein	Dbp	26	7	8.5	RNA metabolism-transcription	metabolism
1418250_at	ADP-ribosylation factor 4-like	Arfl4	27	4727	20.5	transport	signal transduction
1418406_at	phosphodiesterase 8A	Pde8a##	28	306	16.5	RNA metabolism-transcription	signal transduction
1418705_at	cone-rod homeobox containing gene	Crx	29	87	20.5	RNA metabolism-transcription	development
1418752_at	aldehyde dehydrogenase family 3, subfamily A1	Aldh3a1	30	464	12.5	metabolism	
1418829_a_at	enolase 2, gamma neuronal	Eno2	31	8	20.5	metabolism	
1418839_at	glomulin, FKBP associated protein	Glmn#,##	32	9	12.5	cell proliferation-cell cycle	development
1419025_at	retinal S-antigen	Sag#,##	33	10	12.5	signal transduction	
1419231_s_at	RIKEN cDNA A830036E02 gene	A830036E02Rik	34	772	8.5		
1419647_a_at	immediate early response 3	Ier3	35	2139	16.5		
1419737_a_at	lactate dehydrogenase A	Ldha	36	885	16.5	metabolism	
1419740_at	phosphodiesterase 6B, cGMP, rod receptor, beta polypeptide	Pde6b	37	11	4.5	signal transduction	
1420147_at	expressed sequence AA407331	AA407331	38	12	12.5		
1420505_a_at	syntaxin binding protein 1	Stxbp1#	39	13	8.5	transport	development
1420623_x_at	heat shock protein 8	Hspa8	40	48	16.5	cell proliferation-cell cycle	stress response
1420772_a_at	TSC22 domain family 3	Tsc22d3#	41	14	12.5	death	RNA metabolism-transcription
1420997_a_at	glucose phosphate isomerase 1	Gpi1	42	4396	16.5	metabolism	
1421061_at	guanylate cyclase activator 1a (retina)	Guca1a	43	15	12.5		
1421087_at	period homolog 3 (Drosophila)	Per3	44	165	8.5	RNA metabolism-transcription	signal transduction
1421096_at	transient receptor potential cation channel, subfamily C, member 1	Trpc1##	45	16	8.5	transport	
1422521_at	dynactin 1	Dctn1	46	12945	20.5	cell proliferation-cell cycle	development
1422612_at	hexokinase 2	Hk2	47	8058	16.5	cell proliferation-cell cycle	metabolism
1422809_at	regulating synaptic membrane exocytosis 2	Rims2##	48	157	4.5	cell-cell signaling	transport
1422829_at	dopamine receptor 4	Drd4	49	1908	20.5	signal transduction	
1422830_s_at	dopamine receptor 4	Drd4#,##	50	136	20.5	signal transduction	
1423210_a_at	nucleolar protein family A, member 3	Nola3	51	550	16.5	RNA metabolism-transcription	cell organization and biogenesis
1423233_at	CCAAT/enhancer binding protein (C/EBP), delta	Cebpd	52	1415	12.5	RNA metabolism-transcription	metabolism
1423437_at	glutathione S-transferase, alpha 3	Gsta3	53	518	16.5	metabolism	
1423449_a_at	actinin alpha 4	Actn4	54	530	4.5	cell proliferation-cell cycle	death
1423631_at	nuclear receptor subfamily 2, group E, member 3	Nr2e3	55	122	4.5	cell proliferation-cell cycle	RNA metabolism-transcription
1423938_at	lethal giant larvae homolog 2 (Drosophila)	Llgl2	56	14878	0.5	cell proliferation-cell cycle	
1424118_a_at	spindle pole body component 25 homolog (S. cerevisiae)	Spbc25	57	277	20.5	cell proliferation-cell cycle	
1424175_at	thyrotroph embryonic factor	Tef	58	17	12.5	RNA metabolism-transcription	metabolism
1424305_at	immunoglobulin joining chain	Igj	59	2614	8.5		
1424977_at	RIKEN cDNA 4930418G15 gene	4930418G15Rik	60	10972	16.5		
1425058_at	zinc finger protein 472	Zfp472	61	2063	16.5	RNA metabolism-transcription	metabolism
1425232_x_at	arrestin 3, retinal	Arr3	62	347	12.5	transport	signal transduction
1425281_a_at	TSC22 domain family 3	Tsc22d3	63	18	12.5	death	RNA metabolism-transcription
1425306_at	cDNA sequence BC027072	BC027072	64	44	4.5		
1425382_a_at	aquaporin 4	Aqp4##	65	2648	0.5	transport	development
1425408_a_at	RIKEN cDNA 2610034M16 gene	2610034M16Rik#	66	83	4.5	transport	cell organization and biogenesis
1425557_x_at	TSC22 domain family 3	Tsc22d3	67	19	12.5	death	RNA metabolism-transcription
1425678_a_at	SNF related kinase	Snrk	68	2189	16.5	death	development
1425757_a_at	interphotoreceptor matrix proteoglycan 1	Impg1	69	1735	20.5		
1426500_at	isoprenylcysteine carboxyl methyltransferase	Icmt	70	296	20.5	transport	cell organization and biogenesis
1426517_at	guanine nucleotide binding protein, alpha z subunit	Gnaz	71	80	16.5	signal transduction	
1426554_a_at	phosphoglycerate mutase 1	Pgam1	72	307	16.5	metabolism	
1426621_a_at	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b#	73	147	4.5	signal transduction	
1426645_at	heat shock protein 90kDa alpha (cytosolic), class A member 1	Hsp90aa1	74	43	20.5	stress response	development
1426817_at	antigen identified by monoclonal antibody Ki 67	Mki67	75	779	0.5	cell proliferation-cell cycle	
1427075_s_at	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmtd2	76	20	4.5	protein metabolism	metabolism
1427229_at	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	Hmgcr	77	309	4.5	development	metabolism
1428306_at	DNA-damage-inducible transcript 4	Ddit4	78	1699	16.5		
1430634_a_at	phosphofructokinase, platelet	Pfkp	79	957	20.5	metabolism	
1433443_a_at	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1	Hmgcs1	80	356	4.5	metabolism	
1433445_x_at	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1	Hmgcs1	81	232	4.5	metabolism	
1433604_x_at	aldolase 1, A isoform	Aldoa	82	372	20.5	metabolism	
1433691_at	protein phosphatase 1, regulatory (inhibitor) subunit 3C	Ppp1r3c	83	457	0.5	transport	cell organization and biogenesis
1434799_x_at	aldolase 1, A isoform	Aldoa	84	96	20.5	metabolism	
1434814_x_at	glucose phosphate isomerase 1	Gpi1	85	4887	16.5	metabolism	
1434866_x_at	carnitine palmitoyltransferase 1a, liver	Cpt1a	86	5100	8.5	transport	metabolism
1435659_a_at	triosephosphate isomerase 1	Tpi1	87	1287	16.5	signal transduction	metabolism
1436402_at	deoxyhypusine hydroxylase/monooxygenase	Dohh	88	801	20.5	protein metabolism	metabolism
1437497_a_at	heat shock protein 90kDa alpha (cytosolic), class A member 1	Hsp90aa1	89	1269	16.5	stress response	development
1437711_x_at	ornithine decarboxylase, structural 1	Odc1#	90	59	4.5	cell proliferation-cell cycle	development
1438009_at	similar to histone 2a	MGC73635	91	21	20.5	DNA metabolism	cell organization and biogenesis
1438211_s_at	D site albumin promoter binding protein	Dbp#,##	92	22	8.5	RNA metabolism-transcription	metabolism
1438640_x_at	phosphoglycerate kinase 1	Pgk1	93	2154	16.5	metabolism	
1439150_x_at	GH regulated TBC protein 1	Grtp1	94	164	0.5		
1439375_x_at	aldolase 1, A isoform 1)	Aldoa	95	1207	20.5	metabolism	
1439435_x_at	phosphoglycerate kinase 1	Pgk1	96	960	16.5	metabolism	
1439959_at	fibroblast growth factor 11	Fgf11	97	9539	20.5		
1442025_a_at	---	---	98	831	12.5		
1448130_at	farnesyl diphosphate farnesyl transferase 1	Fdft1	99	3123	4.5	metabolism	
1448278_at	XPA binding protein 2	Xab2	100	4141	8.5	DNA metabolism	RNA metabolism-transcription
1448390_a_at	dehydrogenase/reductase (SDR family) member 3	Dhrs3	101	1275	16.5	metabolism	
1448429_at	glycogenin	Gyg	102	302	0.5	metabolism	
1449005_at	solute carrier family 16 (monocarboxylic acid transporters), member 3	Slc16a3	103	18359	16.5	transport	
1449324_at	ERO1-like (S. cerevisiae)	Ero1l	104	220	16.5	stress response	transport
1449340_at	sclerostin domain containing 1	Sostdc1	105	627	20.5	development	signal transduction
1449347_a_at	X-linked lymphocyte-regulated 4B	Xlr4b	106	583	0.5		
1449434_at	carbonic anhydrase 3	Car3	107	78	8.5	metabolism	

1449768_at	---	---	108	27019	12.5		
1449974_at	glyceraldehyde-3-phosphate dehydrogenase, spermatogenic	Gapdhs	109	6591	20.5	metabolism	
1450081_x_at	glucose phosphate isomerase 1	Gpi1	110	1655	16.5	metabolism	
1450215_at	recoverin	Rcvrn	111	23	20.5	transport	signal transduction
1450329_a_at	arrestin 3, retinal	Arr3**#,##**	112	117	8.5	transport	signal transduction
1450387_s_at	adenylate kinase 3 alpha-like 1	Ak3l1	113	198	16.5	metabolism	
1450761_s_at	regulating synaptic membrane exocytosis 2	Rims2	114	709	4.5	cell-cell signaling	transport
1450779_at	fatty acid binding protein 7, brain	Fabp7	115	2122	0.5	transport	
1451012_a_at	cold shock domain protein A	Csda	116	319	20.5	RNA metabolism-transcription	stress response
1451122_at	isopentenyl-diphosphate delta isomerase	Idi1	117	322	4.5	metabolism	
1451286_s_at	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	118	386	4.5	RNA metabolism-transcription	metabolism
1451358_a_at	Rac GTPase-activating protein 1	Racgap1	119	9591	0.5	cell proliferation-cell cycle	development
1451385_at	RIKEN cDNA 2310056P07 gene	2310056P07Rik	120	12662	16.5		
1451417_at	breast cancer 1	Brca1	121	10657	20.5	cell proliferation-cell cycle	death
1451695_a_at	glutathione peroxidase 4	Gpx4	122	10644	20.5	DNA metabolism	stress response
1452499_a_at	kinesin family member 2A	Kif2a	123	54	20.5	transport	cell organization and biogenesis
1452773_at	RIKEN cDNA 5730494N06 gene	5730494N06Rik	124	8805	20.5		
1452927_x_at	triosephosphate isomerase 1	Tpi1	125	106	16.5	metabolism	
1452954_at	ubiquitin-conjugating enzyme E2C	Ube2c	126	937	0.5	cell proliferation-cell cycle	protein metabolism
1455422_x_at	septin 4	Sep4	127	29780	20.5	cell proliferation-cell cycle	development
1460256_at	carbonic anhydrase 3	Car3	128	1147	12.5	metabolism	
1428866_at	RIKEN cDNA 2810037O22 gene	2810037O22Rik	129	397	20.5		
1429778_at	optineurin	Optn	130	6064	20.5		
1431788_at	RIKEN cDNA 1700008G05 gene	1700008G05Rik	131	259	20.5	transport	
1432885_at	RIKEN cDNA 4632432E15 gene	4632432E15Rik	132	660	16.5		
1433819_s_at	1-acylglycerol-3-phosphate O-acyltransferase 3	Agpat3	133	144	20.5	metabolism	
1434129_s_at	lipoma HMGIC fusion partner-like 2	Lhfpl2	134	2507	0.5	metabolism	
1434504_at	zinc finger, FYVE domain containing 28	Zfyve28	135	924	20.5	transport	
1434572_at	histone deacetylase 9	Hdac9	136	53	4.5	cell proliferation-cell cycle	DNA metabolism
1434603_at	thyroid hormone receptor associated protein 2	Thrap2**#,##**	137	24	4.5	RNA metabolism-transcription	metabolism
1435096_at	resistance to inhibitors of cholinesterase 8 homolog B (C. elegans)	Ric8b	138	1664	16.5		
1435189_at	FERM and PDZ domain containing 1	Frmpd1	139	112	20.5	signal transduction	
1435268_at	guanine nucleotide binding protein, alpha z subunit	Gnaz**##**	140	300	20.5	signal transduction	
1435303_at	TAF4B RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf4b	141	586	4.5	RNA metabolism-transcription	metabolism
1435392_at	WD repeat domain 17	Wdr17	142	228	8.5		
1435672_at	hypothetical protein 3830612M24	3830612M24	143	12874	4.5		
1436215_at	inositol polyphosphate multikinase	Ipmk	144	31665	16.5	development	metabolism
1436338_at	---	---	145	114	16.5		
1436470_at	regulating synaptic membrane exocytosis 2	Rims2	146	76	4.5	cell-cell signaling	transport
1436657_at	hypothetical protein LOC629972	LOC629972	147	956	20.5		
1437977_at	Small glutamine-rich tetratricopeptide repeat (TPR)-containing, beta	Sgtb	148	3915	20.5		
1440838_at	Expressed sequence AI852064	AI852064	149	359	16.5		
1442326_at	protocadherin 15	Pcdh15	150	408	16.5	cell adhesion	development
1443694_at	Regulator of G-protein signaling 20	Rgs20**#**	151	88	8.5	signal transduction	
1444172_at	Transcribed locus	---	152	51	20.5		
1444317_at	protocadherin 15	Pcdh15**#**	153	40	12.5	cell adhesion	development
1444472_at	SNF1-like kinase 2	Snf1lk2	154	25	16.5	signal transduction	protein metabolism
1447607_at	---	---	155	32388	12.5		
1453068_at	PR domain containing 2, with ZNF domain	Prdm2	156	534	12.5		
1453782_at	RIKEN cDNA 3021401C12 gene	3021401C12Rik	157	111	4.5		
1454051_at	RIKEN cDNA 2600011E07 gene	2600011E07Rik	158	384	16.5		
1455033_at	RIKEN cDNA B430201A12 gene	B430201A12Rik	159	131	8.5		
1455554_at	RIKEN cDNA A830039N20 gene	A830039N20Rik	160	4648	4.5		
1455799_at	RAR-related orphan receptor beta	Rorb	161	2083	16.5	RNA metabolism-transcription	development
1456487_at	adenylate cyclase 1	Adcy1**#**	162	26	4.5	signal transduction	metabolism
1456698_s_at	heterogeneous nuclear ribonucleoprotein D-like	Hnrpdl	163	297	8.5	RNA metabolism-transcription	metabolism
1456844_at	calcium/calmodulin-dependent protein kinase II, delta	Camk2d	164	1340	4.5	cell proliferation-cell cycle	transport
1457983_s_at	RWD domain containing 4A	Rwdd4a	165	609	16.5	protein metabolism	metabolism
1458174_at	coiled-coil domain containing 52	Ccdc52	166	11802	12.5		
1458506_at	gene model 1582, (NCBI)	Gm1582	167	238	16.5		
1459054_at	cDNA sequence BC035954	BC035954	168	412	16.5		
1457276_at	SNF1-like kinase 2	Snf1lk2	169	887	20.5	signal transduction	protein metabolism
1455140_at	PITPNM family member 3	Pitpnm3	170	27	20.5	transport	metabolism
1452814_at	copine III	Cpne3	171	5164	0.5	transport	metabolism
1452807_s_at	RIKEN cDNA 1500016O10 gene	1500016O10Rik	172	2048	0.5		
1441727_s_at	zinc finger protein 467	Zfp467	173	894	12.5	RNA metabolism-transcription	metabolism
1440605_at	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus)	Fscn2	174	200	4.5	development	cell organization and biogenesis
1439862_at	Visual cortex cDNA, RIKEN full-length enriched library, clone:K530032J01 product:unclassifiable, f	---	175	28	20.5		
1437759_at	Phosphofructokinase, platelet	Pfkp	176	6846	16.5	metabolism	
1436918_at	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2	Dyrk2	177	708	8.5	protein metabolism	metabolism
1435440_at	PDZ domain containing 8	Pdzd8	178	92	12.5	signal transduction	
1433996_at	suppressor of variegation 3-9 homolog 2 (Drosophila)	Suv39h2	179	10291	16.5	cell proliferation-cell cycle	DNA metabolism
1433812_at	Lix1-like	Lix1l	180	3144	20.5		
1460741_x_at	DNA segment, Chr 17, Wayne State University 92, expressed	D17Wsu92e	181	10086	20.5		
1460302_at	thrombospondin 1	Thbs1	182	570	20.5	cell adhesion	stress response
1455725_a_at	H3 histone, family 3B	H3f3b	183	77	8.5	DNA metabolism	cell organization and biogenesis
1451478_at	angiopoietin-like 7	Angptl7	184	134	12.5	stress response	signal transduction
1451370_at	hypothetical protein LOC622403	LOC622404	185	11924	20.5		
1451110_at	EGL nine homolog 1 (C. elegans)	Egln1	186	1608	16.5	protein metabolism	metabolism
1450706_a_at	ADP-ribosylation factor-like 3	Arl3	187	41	4.5	signal transduction	
1450376_at	Max interacting protein 1	Mxi1	188	194	16.5	RNA metabolism-transcription	metabolism
1450193_at	hyperpolarization-activated, cyclic nucleotide-gated K+ 1	Hcn1	189	127	8.5	transport	
1449852_a_at	EH-domain containing 4	Ehd4	190	7912	8.5		
1448883_at	legumain	Lgmn	191	26469	16.5	protein metabolism	metabolism
1448864_at	SNF related kinase	Snrk	192	1956	16.5	death	development
1448729_a_at	septin 4	Sep4	193	14601	20.5	cell proliferation-cell cycle	development
1448383_at	matrix metallopeptidase 14 (membrane-inserted)	Mmp14**#**	194	29	0.5	protein metabolism	metabolism
1438578_a_at	BTB (POZ) domain containing 10	Btbd10	195	738	20.5	transport	
1437671_x_at	protease, serine, 23	Prss23	196	1236	0.5	protein metabolism	metabolism
1437313_x_at	high mobility group box 2	Hmgb2	197	268	4.5	DNA metabolism	RNA metabolism-transcription
1435865_at	histone cluster 3, H2a	Hist3h2a	198	525	16.5	DNA metabolism	cell organization and biogenesis
1434410_at	cDNA sequence BC043118	BC043118	199	1131	4.5		
1432431_s_at	RIKEN cDNA 2900006F19 gene	2900006F19Rik	200	27452	20.5		
1427074_at	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmtd2	201	30	12.5	protein metabolism	metabolism
1426311_s_at	zinc finger, DHHC domain containing 5	Zdhhc5**#**	202	107	16.5		
1426195_a_at	cystatin C	Cst3	203	1436	4.5		
1425441_at	---	---	204	82	8.5		
1425241_a_at	WD repeat and SOCS box-containing 1	Wsb1	205	10288	0.5	signal transduction	
1425138_at	guanylate cyclase activator 1B	Guca1b	206	31	4.5	cell-cell signaling	signal transduction
1424312_at	adiponectin receptor 1	Adipor1	207	1127	16.5	signal transduction	metabolism
1424096_at	keratin 5	Krt5	208	1994	4.5	development	cell organization and biogenesis
1423785_at	EGL nine homolog 1 (C. elegans)	Egln1	209	2897	16.5	protein metabolism	metabolism
1423686_a_at	proline rich 13	Prr13	210	5475	20.5		
1423489_at	monocyte to macrophage differentiation-associated	Mmd	211	9366	16.5	death	
1423145_a_at	titin-cap	Tcap**#**	212	171	12.5	development	cell organization and biogenesis
1421095_a_at	transient receptor potential cation channel, subfamily C, member 1	Trpc1	213	143	12.5	transport	
1421084_at	retinoschisis (X-linked, juvenile) 1 (human)	Rs1	214	270	12.5	cell adhesion	development
1420376_a_at	H3 histone, family 3B	H3f3b	215	63	8.5	DNA metabolism	cell organization and biogenesis

1419273_at	expressed sequence C80913	C80913	216	189	4.5	protein metabolism	metabolism
1419085_at	Purkinje cell protein 2 (L7)	Pcp2	217	25938	20.5	signal transduction	
1419077_at	membrane protein, palmitoylated 3 (MAGUK p55 subfamily member 3)	Mpp3	218	733	4.5	signal transduction	
1419070_at	cystin 1	Cys1##	219	71	16.5		
1417860_a_at	spondin 2, extracellular matrix protein	Spon2	220	218	0.5	cell adhesion	development
1417324_at	microtubule associated serine/threonine kinase 2	Mast2	221	186	4.5	development	signal transduction
1415718_at	SAP30-like	Sap30l	222	29739	0.5	transport	cell organization and biogenesis
AFFX-GapdhM	similar to glyceraldehyde-3-phosphate dehydrogenase	Gapd	223	794	20.5		metabolism
AFFX-b-ActinM	actin, beta, cytoplasmic	Actb	224	32	4.5		
1457270_at	RIKEN cDNA B230343A10 gene	B230343A10Rik	225	6076	20.5		
1457254_x_at	RIKEN cDNA 6330442E10 gene	6330442E10Rik	226	223	0.5		
1455537_at	RIKEN cDNA 6430547I21 gene	6430547I21Rik	227	129	20.5		
1453008_at	RIKEN cDNA 2300002D11 gene	2300002D11Rik	228	30900	20.5		
1446252_at	Ceramide kinase-like	Cerkl	229	3502	4.5		
1443680_at	Otx2 opposite strand transcript 1	Otx2os1	230	428	4.5		
1440849_at	RIKEN cDNA 6330417G04 gene	6330417G04Rik	231	3975	4.5		
1420199_at	Solute carrier family 35, member A4	Slc35a4	232	32389	8.5	transport	
1460605_at	Crx opposite strand transcript 1	Crxos1	233	2781	20.5	RNA metabolism-transcription	metabolism
1460208_at	fibrillin 1	Fbn1	234	520	20.5	metabolism	
1454620_x_at	ribosomal protein S6	Rps6	235	9515	8.5	cell organization and biogenesis	protein metabolism
1451826_at	calcium binding protein 5	Cabp5	236	4644	16.5	signal transduction	
1451722_s_at	SET and MYND domain containing 5	Smyd5	237	27145	8.5		
1450659_at	regulator of G protein signaling 7	Rgs7	238	7893	8.5	signal transduction	
1448956_at	START domain containing 10	Stard10	239	10764	20.5		
1447820_x_at	carnitine palmitoyltransferase 2	Cpt2	240	32111	20.5	transport	metabolism
1438761_a_at	ornithine decarboxylase, structural 1	Odc1	241	69	4.5	cell proliferation-cell cycle	development
1438343_at	RIKEN cDNA 0610037L13 gene	0610037L13Rik	242	14437	16.5		
1438156_x_at	carnitine palmitoyltransferase 1a, liver	Cpt1a	243	2556	4.5	transport	metabolism
1434437_x_at	ribonucleotide reductase M2	Rrm2	244	4442	20.5	DNA metabolism	metabolism
1434034_at	ceramide kinase	Cerk	245	174	20.5	signal transduction	metabolism
1431421_x_at	RIKEN cDNA 2610524G07 gene	2610524G07Rik	246	24087	16.5		
1428196_a_at	RIKEN cDNA 1200015F23 gene	1200015F23Rik	247	8011	16.5		
1427612_at	defensin beta 9	Defb9	248	160	8.5		
1426785_s_at	monoglyceride lipase	Mgll#	249	135	20.5	stress response	protein metabolism
1426464_at	nuclear receptor subfamily 1, group D, member 1	Nr1d1#,##	250	120	4.5	RNA metabolism-transcription	metabolism
1424750_at	zinc finger and BTB domain containing 1	Zbtb1	251	8239	20.5	RNA metabolism-transcription	metabolism
1423690_s_at	G-protein signalling modulator 1 (AGS3-like, C. elegans)	Gpsm1	252	26929	0.5	development	signal transduction
1417162_at	transmembrane BAX inhibitor motif containing 1	Tmbim1	253	4294	20.5		
1416632_at	malic enzyme, supernatant	Mod1	254	316	8.5	metabolism	
1415986_at	chloride channel 4-2	Clcn4-2##	255	3288	20.5	transport	
1415806_at	plasminogen activator, tissue	Plat	256	381	4.5	stress response	signal transduction
AFFX-GapdhM	similar to glyceraldehyde-3-phosphate dehydrogenase	Gapd	257	374	20.5	M32599_3_at	metabolism
1460577_at	Expressed sequence AA591059	AA591059	258	6411	16.5		
1459522_s_at	glycogenin	Gyg	259	6768	0.5	metabolism	
1458385_at	heat shock protein 4 like	Hspa4l	260	12370	20.5	stress response	protein metabolism
1440130_at	expressed sequence BB116930	BB116930	261	6827	16.5		
1437467_at	activated leukocyte cell adhesion molecule	Alcam	262	12568	20.5	cell adhesion	development
1435453_at	RIKEN cDNA A930011O12 gene	A930011O12Rik	263	33	16.5		
1435319_at	inositol hexaphosphate kinase 2	Ihpk2	264	103	12.5	death	development
1433817_at	1-acylglycerol-3-phosphate O-acyltransferase 3	Agpat3	265	479	20.5	metabolism	
1460240_a_at	heterogeneous nuclear ribonucleoprotein C	Hnrpc	266	5343	16.5	RNA metabolism-transcription	metabolism
1453836_a_at	monoglyceride lipase	Mgll	267	460	20.5	stress response	protein metabolism
1453199_at	acyl-Coenzyme A binding domain containing 6	Acbd6	268	22555	16.5		
1452653_at	solute carrier family 25 (mitochondrial carrier, glutamate), member 22	Slc25a22	269	15437	16.5	transport	
1451224_at	secretory carrier membrane protein 5	Scamp5	270	11891	12.5	transport	
1450571_a_at	beaded filament structural protein in lens-CP94	Bfsp1	271	503	0.5	RNA metabolism-transcription	metabolism
1439148_a_at	phosphofructokinase, liver, B-type	Pfkl	272	1049	16.5	metabolism	
1437302_at	adrenergic receptor, beta 2	Adrb2	273	248	16.5	RNA metabolism-transcription	stress response
1433444_at	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1	Hmgcs1	274	70	4.5	metabolism	
1426941_at	---	---	275	790	4.5		
1425100_a_at	phosphodiesterase 6G, cGMP-specific, rod, gamma	Pde6g	276	84	0.5	signal transduction	
1423933_a_at	RIKEN cDNA 1600029D21 gene	1600029D21Rik	277	60	20.5		
1423418_at	farnesyl diphosphate synthetase	Fdps	278	1187	4.5	metabolism	
1423150_at	secretogranin V	Scg5	279	4715	20.5	cell-cell signaling	transport
1423078_a_at	sterol-C4-methyl oxidase-like	Sc4mol	280	156	4.5	metabolism	
1422660_at	similar to Putative RNA-binding protein 3 (RNA-binding motif protein 3)	LOC671237	281	34	12.5	RNA metabolism-transcription	stress response
1420484_a_at	vitronectin	Vtn	282	577	8.5	cell adhesion	
1419945_s_at	RAB2, member RAS oncogene family	Rab2	283	1681	4.5	RNA metabolism-transcription	transport
1419706_a_at	A kinase (PRKA) anchor protein (gravin) 12	Akap12	284	486	0.5	transport	signal transduction
1417542_at	ribosomal protein S6 kinase, polypeptide 2	Rps6ka2	285	28705	8.5	cell proliferation-cell cycle	development
1417457_at	CDC28 protein kinase regulatory subunit 2	Cks2	286	72	0.5	cell proliferation-cell cycle	signal transduction
1417169_at	ubiquitin specific peptidase 2	Usp2	287	201	12.5	protein metabolism	metabolism
1417108_at	kinesin light chain 4	Klc4	288	3820	0.5		
1416713_at	RIKEN cDNA 2700055K07 gene	2700055K07Rik	289	8008	16.5		
1441065_at	---	---	290	20226	8.5		
1440131_at	Poliovirus receptor-related 1	Pvrl1	291	2464	0.5	cell adhesion	
1437989_at	phosphodiesterase 8B	Pde8b	292	90	20.5	RNA metabolism-transcription	signal transduction
1436294_at	ankyrin repeat domain 29	Ankrd29	293	31349	20.5		
1433592_at	calmodulin 1	Calm1	294	4288	20.5	cell proliferation-cell cycle	signal transduction
1428637_at	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2	Dyrk2	295	473	8.5	protein metabolism	metabolism
1460409_at	carnitine palmitoyltransferase 1a, liver	Cpt1a	296	290	4.5	transport	metabolism
1453287_at	RIKEN cDNA 5730557B15 gene	5730557B15Rik	297	173	4.5		
1452534_a_at	high mobility group box 2	Hmgb2	298	126	4.5	DNA metabolism	RNA metabolism-transcription
1452284_at	protein tyrosine phosphatase, receptor type Z, polypeptide 1	Ptprz1	299	595	16.5	development	signal transduction
1451549_at	cDNA sequence BC016201	BC016201	300	18736	4.5		
1451285_at	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	301	68	8.5	RNA metabolism-transcription	metabolism
1450970_at	glutamate oxaloacetate transaminase 1, soluble	Got1	302	29809	16.5	metabolism	
1450690_at	---	---	303	2218	4.5		
1450184_s_at	thyrotroph embryonic factor	Tef	304	874	8.5	RNA metabolism-transcription	metabolism
1449159_at	guanine nucleotide binding protein, beta 3	Gnb3	305	1398	20.5	signal transduction	
1437981_x_at	RIKEN cDNA 1110057K04 gene	1110057K04Rik	306	1949	12.5	metabolism	
1434449_at	aquaporin 4	Aqp4	307	12136	20.5	transport	development
1434150_a_at	methyltransferase like 7A	Mettl7a#	308	35	12.5		
1433668_at	proline-rich nuclear receptor coactivator 1	Pnrc1	309	25387	0.5		
1428942_at	metallothionein 2	Mt2	310	2053	4.5	signal transduction	
1428029_a_at	H2A histone family, member V	H2afv	311	9560	20.5	DNA metabolism	cell organization and biogenesis
1425171_at	rhodopsin	Rho	312	27843	0.5	signal transduction	protein metabolism
1422094_a_at	zinc finger protein 329	Zfp329	313	7124	0.5		
1418304_at	protocadherin 21	Pcdh21	314	541	20.5	cell adhesion	
1418083_at	RIKEN cDNA 0610009B22 gene	0610009B22Rik	315	407	8.5	RNA metabolism-transcription	transport
AFFX-b-ActinM	actin, beta, cytoplasmic	Actb	316	1112	4.5	M12481_M_at	
1452933_at	ankyrin repeat domain 39	Ankrd39	317	20275	0.5		
1439093_at	---	---	318	1041	20.5		
1434602_at	thyroid hormone receptor associated protein 2	Thrap2	319	285	4.5	RNA metabolism-transcription	metabolism
1460341_at	pleckstrin homology domain containing, family B (evectins) member 2	Plekhb2	320	1376	20.5		
1451529_at	small glutamine-rich tetratricopeptide repeat (TPR)-containing, beta	Sgtb	321	3842	16.5		
1450770_at	RIKEN cDNA 3632451O06 gene	3632451O06Rik	322	7324	20.5		
1450269_a_at	phosphofructokinase, liver, B-type	Pfkl	323	2904	16.5	metabolism	

1449628_s_at	START domain containing 7	Stard7	324	224	8.5			
1448276_at	tetraspanin 4	Tspan4	325	146	12.5	protein metabolism	metabolism	
1437463_x_at	transforming growth factor, beta induced	Tgfbi	326	12018	20.5	cell adhesion	cell proliferation-cell cycle	
1435639_at	RIKEN cDNA 2610528A11 gene	2610528A11Rik	327	8594	0.5			
1434487_at	myocyte enhancer factor 2D	Mef2d	328	155	16.5	RNA metabolism-transcription	development	
1433991_x_at	diazepam binding inhibitor	Dbi	329	22986	0.5	transport		
1431057_a_at	protease, serine, 23	Prss23	330	364	0.5	protein metabolism	metabolism	
1427872_at	platelet-activating factor receptor	Ptafr	331	4250	12.5	stress response	signal transduction	
1427404_x_at	similar to enolase 1, alpha non-neuron	LOC433182	332	22160	16.5	metabolism		
1425983_x_at	homeodomain interacting protein kinase 2	Hipk2	333	13708	20.5	cell proliferation-cell cycle	death	
1422600_at	RAS protein-specific guanine nucleotide-releasing factor 1	Rasgrf1	334	17793	0.5	cell-cell signaling	cell proliferation-cell cycle	
1422053_at	inhibin beta-A	Inhba	335	2466	4.5	cell-cell signaling	cell proliferation-cell cycle	
1420093_s_at	heterogeneous nuclear ribonucleoprotein D-like	Hnrpdl	336	109	8.5	RNA metabolism-transcription	metabolism	
1419022_a_at	enolase 1, alpha non-neuron	Eno1	337	19501	20.5	metabolism		
1456742_x_at	transmembrane 9 superfamily member 2	Tm9sf2	338	20661	8.5	transport		
1455460_at	RIKEN cDNA 6430547I21 gene	6430547I21Rik	339	332	20.5			
1455247_at	angiomotin-like 1	Amotl1	340	1859	0.5			
1447870_x_at	RIKEN cDNA 1110002E22 gene	1110002E22Rik	341	31437	20.5			
1435645_at	monocyte to macrophage differentiation-associated	Mmd	342	7409	20.5	death		
1428763_at	single-strand selective monofunctional uracil DNA glycosylase	Smug1	343	167	20.5	DNA metabolism	stress response	
1460203_at	inositol 1,4,5-triphosphate receptor 1	Itpr1	344	28484	16.5	transport	signal transduction	
1454694_a_at	topoisomerase (DNA) II alpha	Top2a	345	1068	20.5	DNA metabolism	RNA metabolism-transcription	
1448904_at	DNA segment, Chr 6, Wayne State University 176, expressed	D6Wsu176e	346	170	4.5			
1448100_at	RIKEN cDNA 4833439L19 gene	4833439L19Rik	347	1566	20.5			
1438058_s_at	prostate tumor over expressed gene 1	Ptov1	348	27088	20.5	RNA metabolism-transcription	protein metabolism	
1437724_x_at	phosphatidylinositol membrane-associated 1	Pitpnm1	349	9966	0.5	transport		
1436722_a_at	actin, beta, cytoplasmic	Actb	350	278	4.5			
1427195_at	Mus musculus, clone IMAGE:3983419, mRNA	---	351	9632	16.5			
1425760_a_at	phosphatidylinositol membrane-associated 1	Pitpnm1	352	14436	0.5	transport		
1423211_at	nucleolar protein family A, member 3	Nola3	353	389	16.5	RNA metabolism-transcription	cell organization and biogenesis	
1416468_at	aldehyde dehydrogenase family 1, subfamily A1	Aldh1a1	354	203	20.5	death	development	
1456909_at	similar to Glucose-6-phosphate isomerase (GPI) (Phosphoglucose isomerase) (PGI) (Phosphohex	LOC676974	355	2414	16.5			
1447496_s_at	fibronectin type 3 and ankyrin repeat domains 1	Fank1	356	28559	12.5	RNA metabolism-transcription	metabolism	
1428889_at	alkB, alkylation repair homolog 3 (E. coli)	Alkbh3	357	239	8.5			
1428799_at	RIKEN cDNA 4930431B11 gene	4930431B11Rik	358	6897	8.5			
1453412_a_at	SEC14-like 1 (S. cerevisiae)	Sec14l1	359	596	16.5	transport		
1450391_a_at	monoglyceride lipase	Mgll	360	56	20.5	stress response	protein metabolism	
1449379_at	kinase insert domain protein receptor	Kdr	361	855	0.5	development	signal transduction	
1448213_at	annexin A1	Anxa1	362	574	12.5	cell proliferation-cell cycle	signal transduction	
1448026_at	---	---	363	1538	16.5			
1438654_x_at	monocyte to macrophage differentiation-associated 2	Mmd2	364	11993	16.5	death		
1435390_at	exonuclease domain containing 1	Exod1	365	17658	0.5			
1431420_s_at	RIKEN cDNA 2610524G07 gene	2610524G07Rik	366	29257	16.5			
1428071_at	RIKEN cDNA 1110038D17 gene	1110038D17Rik	367	5857	20.5			
1425665_a_at	signal recognition particle 54	Srp54	368	16879	20.5	transport	cell organization and biogenesis	
1423804_a_at	isopentenyl-diphosphate delta isomerase	Idi1	369	208	4.5	metabolism		
1421493_a_at	regulator of G-protein signaling 20	Rgs20	370	303	4.5	signal transduction		
1419084_a_at	Purkinje cell protein 2 (L7)	Pcp2	371	20829	0.5	signal transduction		
1417386_at	aminopeptidase puromycin sensitive	Npepps	372	1423	20.5	protein metabolism	metabolism	
1457703_at	expressed sequence BE686333	BE686333	373	10266	20.5			
1453587_at	gamma-glutamyltransferase 6	Ggt6	374	29960	12.5			
1445024_at	START domain containing 7	Stard7	375	2056	4.5			
1435188_at	gene model 129, (NCBI)	Gm129	376	1383	8.5			
1434758_at	cysteine-rich secretory protein LCCL domain containing 2	Crispld2	377	1384	4.5			
1433727_at	cDNA sequence BC038479	BC038479	378	3093	8.5	metabolism		
1430614_at	RIKEN cDNA 4632415K11 gene	4632415K11Rik	379	4919	20.5			
1460707_at	protein tyrosine phosphatase 4a2	Ptp4a2	380	26145	4.5	protein metabolism	metabolism	
1455106_a_at	creatine kinase, brain	Ckb	381	705	4.5			
1448659_at	caspase 7	Casp7	382	2012	4.5	death	development	
1448529_at	thrombomodulin	Thbd	383	6244	20.5	stress response	development	
1424034_at	RAR-related orphan receptor alpha	Rora	384	26263	20.5	RNA metabolism-transcription	signal transduction	
1423729_a_at	RIKEN cDNA 2500002L14 gene	2500002L14Rik	385	25888	20.5			
1423656_x_at	RIKEN cDNA 1500010J02 gene	1500010J02Rik	386	21211	0.5			
1421698_a_at	procollagen, type XIX, alpha 1	Col19a1	387	1078	8.5	cell adhesion	transport	
1421346_a_at	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	Slc6a6	388	2796	16.5	transport		
1418694_at	potassium channel modulatory factor 1	Kcmf1	389	26043	20.5	protein metabolism	metabolism	
1417455_at	transforming growth factor, beta 3	Tgfb3	390	2914	20.5	cell-cell signaling	cell proliferation-cell cycle	
1416251_at	minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae)	Mcm6	391	2294	16.5	cell proliferation-cell cycle	DNA metabolism	
1454819_at	---	---	392	294	16.5			
1454254_s_at	RIKEN cDNA 1600029D21 gene	1600029D21Rik	393	850	20.5			
1452970_at	zinc finger, MYM-type 2	Zmym2	394	20435	16.5	RNA metabolism-transcription	metabolism	
1447830_s_at	regulator of G-protein signaling 2	Rgs2	395	16534	0.5	cell proliferation-cell cycle	signal transduction	
1446156_at	Dystrophin, muscular dystrophy	Dmd	396	19523	20.5	development	metabolism	
1445169_at	---	---	397	15066	12.5			
1441259_s_at	intraflagellar transport 122 homolog (Chlamydomonas)	Ift122	398	30488	16.5			
1440250_at	procollagen, type IV, alpha 4	Col4a4	399	8228	0.5	cell adhesion	transport	
1434701_at	expressed sequence AW215868	AW215868	400	3146	16.5			
1431892_a_at	phospholipase C, delta 3	Plcd3	401	4083	16.5	development	signal transduction	
1429097_at	RIKEN cDNA C030044C12 gene	C030044C12Rik	402	4979	20.5			
1460390_at	sortilin-related receptor, LDLR class A repeats-containing	Sorl1	403	8424	16.5	transport	development	
1456117_at	RIKEN cDNA 2600005C20 gene	2600005C20Rik	404	1059	4.5	RNA metabolism-transcription	cell organization and biogenesis	
1451895_a_at	24-dehydrocholesterol reductase	Dhcr24	405	116	4.5	cell proliferation-cell cycle	death	
1450848_at	death associated protein 3	Dap3	406	3061	12.5	death		
1450377_at	similar to thrombospondin 1	LOC640441	407	57	20.5	cell adhesion	stress response	
1436584_at	sprouty homolog 2 (Drosophila)	Spry2	408	5578	16.5	cell-cell signaling	development	
1434661_at	synaptogyrin 1	Syngr1	409	15493	0.5	transport	cell organization and biogenesis	
1434500_at	tweety homolog 2 (Drosophila)	Ttyh2	410	6981	20.5			
1426300_at	activated leukocyte cell adhesion molecule	Alcam	411	9461	4.5	cell adhesion	development	
1423192_at	paraspeckle protein 1	Pspc1	412	637	4.5	cell adhesion		
1419575_s_at	zinc finger protein 292	Zfp292	413	8255	0.5	stress response	protein metabolism	
1419483_at	complement component 3a receptor 1	C3ar1	414	26808	12.5	stress response	signal transduction	
1458341_x_at	---	---	415	3079	20.5			
1455970_at	Phosphodiesterase 5A, cGMP-specific	Pde5a	416	10490	0.5	signal transduction	metabolism	
1437056_x_at	cysteine-rich secretory protein LCCL domain containing 2	Crispld2	417	4639	0.5			
1435741_at	phosphodiesterase 8B	Pde8b	418	102	20.5	RNA metabolism-transcription	signal transduction	
1435484_at	expressed sequence BF642829	BF642829	419	7149	20.5			
1433977_at	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	Hs3st3b1	420	5212	16.5	protein metabolism	metabolism	
1456542_s_at	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1	Qrsl1	421	205	4.5	protein metabolism	metabolism	
1454925_x_at	malate dehydrogenase 1, NAD (soluble)	Mdh1	422	12637	16.5	metabolism		
1452149_at	ubiquitin protein ligase E3B	Ube3b	423	15857	20.5	protein metabolism	metabolism	
1451617_at	rhodopsin	Rho	424	9583	20.5	signal transduction	protein metabolism	
1450646_at	cytochrome P450, family 51	Cyp51	425	3971	4.5	protein metabolism	metabolism	
1448370_at	Unc-51 like kinase 1 (C. elegans)	Ulk1	426	1972	16.5	development	signal transduction	
1431591_s_at	hypothetical protein LOC677168	LOC677168	427	16773	8.5	protein metabolism	metabolism	
1422784_at	keratin 6A	Krt6a	428	5888	4.5	development	cell organization and biogenesis	
1422208_a_at	guanine nucleotide binding protein, beta 5	Gnb5	429	4563	16.5	signal transduction		
1418300_a_at	MAP kinase-interacting serine/threonine kinase 2	Mknk2	430	202	16.5	stress response	signal transduction	
1454901_at	yippee-like 2 (Drosophila)	Ypel2	431	15854	4.5			

1442863_at	calcium channel, voltage-dependent, alpha 2/delta subunit 4	Cacna2d4	432	812	20.5			
1440074_at	hypothetical gene supported by AK082832	LOC432988	433	8109	0.5			
1436808_x_at	minichromosome maintenance deficient 5, cell division cycle 46 (S. cerevisiae)	Mcm5	434	1723	16.5	cell proliferation-cell cycle	DNA metabolism	
1429169_at	RNA binding motif protein 3	Rbm3	435	367	16.5	RNA metabolism-transcription	stress response	
1452158_at	glutamyl-prolyl-tRNA synthetase	Eprs	436	27111	4.5	RNA metabolism-transcription	protein metabolism	
1451633_a_at	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1	Gngt1	437	6268	12.5	signal transduction		
1450162_at	D4, zinc and double PHD fingers, family 3	Dpf3	438	380	4.5	RNA metabolism-transcription	metabolism	
1438093_x_at	diazepam binding inhibitor	Dbi	439	24732	4.5	transport		
1424699_at	RIKEN cDNA 4921511K06 gene	4921511K06Rik	440	10516	16.5			
1422848_a_at	poly(A) binding protein, nuclear 1	Pabpn1	441	22952	4.5	RNA metabolism-transcription	metabolism	
1417420_at	cyclin D1	Ccnd1	442	185	8.5	cell proliferation-cell cycle	stress response	
1416153_at	signal recognition particle 54	Srp54	443	13107	16.5	transport	cell organization and biogenesis	
1458107_at	---	---	444	946	8.5			
1455143_at	neuroligin 2	Nlgn2	445	2321	20.5	cell adhesion	development	
1422230_s_at	cytochrome P450, family 2, subfamily a, polypeptide 4	Cyp2a4##	446	62	12.5	metabolism		
1418509_at	carbonyl reductase 2	Cbr2	447	795	12.5	metabolism		
1417458_s_at	CDC28 protein kinase regulatory subunit 2	Cks2	448	137	0.5	cell proliferation-cell cycle	signal transduction	
1457736_at	vacuolar protein sorting 37D (yeast)	Vps37d	449	25262	12.5			
1455324_at	phosphatidylinositol-specific phospholipase C, X domain containing 2	Plcxd2	450	2615	20.5			
1439128_at	zinc finger and BTB domain containing 20	Zbtb20	451	18510	0.5	RNA metabolism-transcription	metabolism	
1435155_at	cingulin	Cgn	452	1985	0.5			
1429791_at	RIKEN cDNA A930004D18 gene	A930004D18Rik	453	133	4.5			
1452035_at	procollagen, type IV, alpha 1	Col4a1	454	836	4.5	cell adhesion	transport	
1451083_s_at	alanyl-tRNA synthetase	Aars	455	2706	4.5	RNA metabolism-transcription	protein metabolism	
1448775_at	interferon activated gene 203	Ifi203	456	2757	4.5	RNA metabolism-transcription	transport	
1428662_a_at	homeobox only domain	Hod	457	2760	4.5	RNA metabolism-transcription	development	
1423861_at	pleckstrin homology domain containing, family F (with FYVE domain) member 2	Plekhf2	458	85	4.5			
1419451_at	fizzy/cell division cycle 20 related 1 (Drosophila)	Fzr1	459	32333	20.5	cell proliferation-cell cycle	protein metabolism	
1419450_at	ORM1-like 3 (S. cerevisiae)	Ormdl3	460	21736	20.5			
1457428_at	hypothetical protein C230040D14	C230040D14	461	32390	20.5			
1456413_at	phosphodiesterase 4D interacting protein (myomegalin)	Pde4dip	462	2146	16.5			
1454902_at	protein kinase C, zeta	Prkcz	463	18609	16.5	death	signal transduction	
1449218_at	cytochrome c oxidase, subunit VIIIb	Cox8b	464	13386	16.5	metabolism		
1436994_a_at	histone cluster 1, H1c	Hist1h1c	465	415	4.5	DNA metabolism	transport	
1425530_a_at	syntaxin 3	Stx3	466	394	20.5	transport	cell organization and biogenesis	
1424646_at	uridine-cytidine kinase 1-like 1	Uckl1	467	287	4.5	metabolism		
1418528_a_at	defender against cell death 1	Dad1	468	23196	0.5	death	protein metabolism	
1418345_at	tumor necrosis factor (ligand) superfamily, member 13	Tnfsf13	469	399	8.5	cell proliferation-cell cycle	DNA metabolism	
1416728_at	casein kinase 2, beta polypeptide	Csnk2b	470	29946	0.5	signal transduction		
1460692_at	euchromatic histone lysine N-methyltransferase 2	Ehmt2	471	5666	20.5	DNA metabolism	cell organization and biogenesis	
1455286_at	BTB (POZ) domain containing 1	Btbd1	472	21029	16.5			
1451590_at	complexin 4	Cplx4	473	354	0.5	cell-cell signaling	transport	
1449197_at	WD repeat domain 20a	Wdr20a	474	26561	20.5			
1448657_a_at	DnaJ (Hsp40) homolog, subfamily B, member 10	Dnajb10	475	98	20.5	protein metabolism	metabolism	
1425682_a_at	Tp53rk binding protein	Tprkb	476	24488	0.5			
1425162_at	RAR-related orphan receptor beta	Rorb	477	1129	20.5	RNA metabolism-transcription	development	
1423642_at	tubulin, beta 2c	Tubb2c	478	20311	20.5	transport	cell organization and biogenesis	
1422752_at	polymerase (RNA) III (DNA directed) polypeptide K	Polr3k	479	3071	8.5	RNA metabolism-transcription	metabolism	
1458021_at	Sorting nexin 15	Snx15	480	21891	12.5	transport	signal transduction	
1455066_s_at	RIKEN cDNA 9130229H14 gene	9130229H14Rik	481	22324	20.5			
1452341_at	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	Echs1	482	13560	20.5	metabolism		
1451570_a_at	RIKEN cDNA 6720467C03 gene	6720467C03Rik	483	11107	8.5			
1450436_s_at	DnaJ (Hsp40) homolog, subfamily B, member 5	Dnajb5	484	13347	12.5	protein metabolism	metabolism	
1449132_at	opsin 1 (cone pigments), short-wave-sensitive (color blindness, tritan)	Opn1sw	485	536	0.5	signal transduction	protein metabolism	
1449117_at	Jun proto-oncogene related gene d1	Jund1	486	28302	16.5	cell proliferation-cell cycle	RNA metabolism-transcription	
1426708_at	anthrax toxin receptor 2	Antxr2	487	6325	8.5			
1426310_at	zinc finger, DHHC domain containing 5	Zdhhc5	488	36	20.5			
1423893_x_at	amyloid beta (A4) precursor protein-binding, family B, member 1	Apbb1	489	6905	20.5	cell proliferation-cell cycle	RNA metabolism-transcription	
1421812_at	TAP binding protein	Tapbp	490	30121	0.5	transport	cell organization and biogenesis	
1420655_at	patatin-like phospholipase domain containing 3	Pnpla3	491	209	16.5	metabolism		
1420562_at	secreted Ly6/Plaur domain containing 1	Slurp1	492	229	8.5	cell adhesion		
1457636_x_at	---	---	493	10859	16.5			
1457010_at	RIKEN cDNA 3010001F23 gene	3010001F23Rik	494	869	20.5			
1437974_a_at	hexokinase 1	Hk1	495	14136	16.5	metabolism		
1428081_at	kelch-like 21 (Drosophila)	Klhl21	496	21081	16.5			
1426404_a_at	ring finger protein 11	Rnf11	497	19335	20.5	protein metabolism	metabolism	
1425784_a_at	olfactomedin 1	Olfm1	498	3994	0.5	development	protein metabolism	
1425099_a_at	aryl hydrocarbon receptor nuclear translocator-like	Arntl	499	2134	20.5	RNA metabolism-transcription	transport	
1423636_at	WD repeat domain 31	Wdr31	500	602	20.5	transport	protein metabolism	
1421811_at	thrombospondin 1	Thbs1	501	265	20.5	cell adhesion	stress response	
1421780_a_at	calcium binding protein 5	Cabp5	502	28857	20.5	signal transduction		
1420056_s_at	phosphatidylserine receptor	Ptdsr	503	9403	16.5	death	development	
1418615_at	astrotactin 1	Astn1	504	13741	20.5	cell adhesion		
1418442_at	exportin 1, CRM1 homolog (yeast)	Xpo1	505	5817	4.5	transport	cell organization and biogenesis	
1417168_a_at	ubiquitin specific peptidase 2	Usp2	506	172	12.5	protein metabolism	metabolism	
1457048_at	G protein-coupled receptor 103	Gpr103	507	20649	0.5	signal transduction		
1434430_s_at	adenosine A2b receptor	Adora2b	508	3633	16.5	signal transduction		
1433754_at	muscleblind-like 2	Mbnl2	509	665	4.5			
1433728_at	cDNA sequence BC038479	BC038479	510	115	8.5	metabolism		
1455494_at	procollagen, type I, alpha 1	Col1a1	511	25343	8.5	cell adhesion	transport	
1454632_at	RIKEN cDNA 6330442E10 gene	6330442E10Rik	512	507	20.5			
1453881_x_at	centrin 1	Cetn1	513	3161	4.5	cell proliferation-cell cycle	cell organization and biogenesis	
1433543_at	anillin, actin binding protein (scraps homolog, Drosophila)	Anln	514	1624	0.5	cell proliferation-cell cycle		
1426004_a_at	transglutaminase 2, C polypeptide	Tgm2	515	1586	0.5	cell adhesion	signal transduction	
1423101_at	progestin and adipoQ receptor family member IV	Paqr4	516	787	20.5			
1422720_at	ISL1 transcription factor, LIM/homeodomain	Isl1	517	25906	20.5	RNA metabolism-transcription	development	
1417794_at	zinc finger, MYM-type 3	Zmym3	518	12274	0.5			
1416419_s_at	gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1	Gabarapl1	519	4745	16.5			
1460479_at	RIKEN cDNA A330094K24 gene	A330094K24Rik	520	30726	4.5			
1455437_at	cDNA sequence BC033915	BC033915	521	515	16.5	protein metabolism	metabolism	
1455160_at	RIKEN cDNA 2610203C20 gene	2610203C20Rik	522	19742	0.5			
1453011_at	3-hydroxybutyrate dehydrogenase, type 2	Bdh2	523	16021	8.5	metabolism		
1430985_at	RIKEN cDNA 1810027O10 gene	1810027O10Rik	524	16374	0.5			
1428384_at	DNA segment, Chr 4, Brigham & Women's Genetics 0951 expressed	D4Bwg0951e	525	21639	16.5			
1428325_at	RIKEN cDNA 2610019P18 gene	2610019P18Rik	526	26126	20.5			
1450688_at	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	527	14376	0.5	signal transduction		
1438416_at	thyroid hormone receptor associated protein 5	Thrap5	528	10777	4.5	RNA metabolism-transcription	signal transduction	
1431226_a_at	fibronectin type III domain containing 4	Fndc4	529	656	20.5			
1425582_a_at	endomucin	Emcn	530	24493	20.5	cell adhesion	development	
1416923_a_at	BCL2/adenovirus E1B interacting protein 3-like	Bnip3l	531	31121	16.5	death		
1438921_at	Ataxia telangiectasia and Rad3 related	Atr	532	12372	0.5	cell proliferation-cell cycle	DNA metabolism	
1435302_at	TAF4B RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf4b	533	929	4.5	RNA metabolism-transcription	metabolism	
1435265_at	Adult male cecum cDNA, RIKEN full-length enriched library, clone:9130204C03 product:unclassifia	---	534	4181	16.5			
1435179_at	RIKEN cDNA C130071C03 gene	C130071C03Rik	535	6453	16.5			
1449853_at	sideroflexin 2	Sfxn2	536	749	4.5	transport		
1439253_x_at	RIKEN cDNA 2610524G07 gene	2610524G07Rik	537	19466	16.5			
1435627_x_at	MARCKS-like 1 F52)	Marcksl1	538	620	4.5			
1434325_x_at	protein kinase, cAMP dependent regulatory, type I beta	Prkar1b	539	5974	20.5	cell proliferation-cell cycle	development	

1427482_a_at	carbonic anhydrase 8	Car8	540	195	8.5	signal transduction	metabolism
1423912_at	alveolar soft part sarcoma chromosome region, candidate 1 (human)	Aspscr1	541	2870	4.5	transport	cell organization and biogenesis
1423488_at	monocyte to macrophage differentiation-associated	Mmd	542	2585	20.5	death	
1418288_at	lipin 1	Lpin1	543	30308	20.5	development	metabolism
1417378_at	immunoglobulin superfamily, member 4A	Igsf4a	544	1728	0.5	cell adhesion	death
1440305_at	---	---	545	25308	16.5		
1435529_at	similar to interferon-induced protein with tetratricopeptide repeats 1	LOC667373	546	12588	4.5		
1434373_at	RIKEN cDNA B930006L02 gene	B930006L02Rik	547	3921	20.5		
1431988_at	RIKEN cDNA 1700112E06 gene	1700112E06Rik	548	31808	8.5		
1451115_at	protein inhibitor of activated STAT 3	Pias3	549	13924	0.5	RNA metabolism-transcription	protein metabolism
1450830_a_at	phosphodiesterase 6C, cGMP specific, cone, alpha prime	Pde6c	550	878	16.5	signal transduction	
1448172_at	malate dehydrogenase 1, NAD (soluble)	Mdh1	551	8827	20.5	metabolism	
1433924_at	paternally expressed 3	Peg3	552	6365	20.5	death	
1425286_at	crystallin, gamma N	Crygn	553	11889	0.5		
1421873_s_at	RAB24, member RAS oncogene family	Rab24	554	14201	0.5	transport	signal transduction
1421824_at	beta-site APP cleaving enzyme 1	Bace1	555	14068	0.5	protein metabolism	metabolism
1418648_at	EGL nine homolog 3 (C. elegans)	Egln3	556	330	0.5	death	protein metabolism
1416581_at	WD repeat domain 5	Wdr5	557	289	12.5	development	signal transduction
1416551_at	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	Atp2a2	558	12347	16.5	transport	signal transduction
1456418_at	Trinucleotide repeat containing 15	Tnrc15	559	334	4.5		
1454965_at	RIKEN cDNA D430039N05 gene	D430039N05Rik	560	21185	0.5	signal transduction	
1432494_a_at	RIKEN cDNA 1700019E19 gene	1700019E19Rik	561	11790	20.5		
1449821_a_at	RIKEN cDNA 0610016J10 gene	0610016J10Rik	562	94	4.5		
1438902_a_at	heat shock protein 90kDa alpha (cytosolic), class A member 1	Hsp90aa1	563	58	20.5	stress response	development
1435371_x_at	carboxylesterase 3	Ces3	564	2127	16.5	metabolism	
1426906_at	interferon activated gene 203	Ifi203	565	15345	4.5	RNA metabolism-transcription	transport
1425878_at	calcium binding protein 4	Cabp4	566	10279	20.5	signal transduction	
1421425_a_at	Down syndrome critical region gene 1-like 1	Dscr1l1	567	31462	20.5	signal transduction	
1418892_at	ras homolog gene family, member J	Rhoj	568	124	0.5	development	signal transduction
1439618_at	phosphodiesterase 10A	Pde10a	569	1111	4.5	signal transduction	
1437265_at	RIKEN cDNA 5330438D12 gene	5330438D12Rik	570	27700	0.5		
1428473_at	protein phosphatase 3, catalytic subunit, beta isoform	Ppp3cb	571	18147	20.5	cell proliferation-cell cycle	RNA metabolism-transcription
1454690_at	inhibitor of kappaB kinase gamma	Ikbkg	572	4490	0.5	death	RNA metabolism-transcription
1448123_s_at	transforming growth factor, beta induced	Tgfbi	573	13740	20.5	cell adhesion	cell proliferation-cell cycle
1426689_s_at	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	Sdha	574	9244	0.5	transport	metabolism
1425536_at	syntaxin 3	Stx3	575	3614	0.5	transport	cell organization and biogenesis
1454961_at	synaptojanin 1	Synj1	576	11545	16.5	transport	signal transduction
1444441_at	Rap guanine nucleotide exchange factor (GEF)-like 1	Rapgefl1	577	23288	8.5	signal transduction	
1443232_at	Vax2 opposite strand transcript 1	Vax2os1	578	3572	20.5		
1435848_at	RIKEN cDNA D430041D05 gene	D430041D05Rik	579	32391	8.5		
1433761_at	phosphodiesterase 4D interacting protein (myomegalin)	Pde4dip	580	187	16.5		
1452259_at	PHD finger protein 20	Phf20	581	30077	0.5	RNA metabolism-transcription	metabolism
1451200_at	kinesin family member 1B	Kif1b	582	4438	8.5	cell-cell signaling	transport
1424092_at	erythrocyte protein band 4.1	Epb4.1	583	2429	4.5	development	cell organization and biogenesis
1419225_at	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	584	2004	8.5		
1457825_x_at	transcobalamin 2	Tcn2	585	10988	0.5	transport	
1445179_at	DNA segment, Chr 10, ERATO Doi 494, expressed	D10Ertd494e	586	24538	12.5		
1442019_at	Recoverin	Rcvrn	587	2390	20.5	transport	signal transduction
1454606_at	RIKEN cDNA 4933426M11 gene	4933426M11Rik	588	4075	20.5		
1427952_at	aryl hydrocarbon receptor-interacting protein-like 1	Aipl1	589	582	20.5	death	protein metabolism
1425532_a_at	bridging integrator 1	Bin1	590	6548	20.5	cell proliferation-cell cycle	transport
1424944_at	Purkinje cell protein 2 (L7)	Pcp2	591	20279	20.5	signal transduction	
1421821_at	low density lipoprotein receptor	Ldlr	592	5892	4.5	transport	protein metabolism
1418311_at	fructosamine 3 kinase	Fn3k	593	15896	0.5	metabolism	
1416939_at	pyrophosphatase (inorganic) 1	Ppa1	594	9751	16.5	metabolism	
1459043_at	Transcribed locus	---	595	2946	16.5		
1455097_at	WD repeat domain 70	Wdr70	596	31027	4.5		
1444487_at	lecithin-retinol acyltransferase (phosphatidylcholine-retinol-O-acyltransferase)	Lrat#	597	162	12.5	metabolism	
1435004_at	pantothenate kinase 4	Pank4	598	21126	20.5	metabolism	
1428785_at	angiomotin-like 1	Amotl1	599	8329	20.5		
1452769_at	RIKEN cDNA 3732413I11 gene	3732413I11Rik	600	1909	16.5		
1452669_at	RIKEN cDNA 2810012G03 gene	2810012G03Rik	601	4867	16.5		
1426604_at	ribonuclease L (2', 5'-oligoisoadenylate synthetase-dependent)	Rnasel	602	9062	4.5	RNA metabolism-transcription	protein metabolism
1424478_at	Bardet-Biedl syndrome 2 homolog (human)	Bbs2	603	4688	0.5	development	cell organization and biogenesis
1458306_at	phosphatidylinositol glycan anchor biosynthesis, class Z	Pigz	604	15118	0.5	protein metabolism	metabolism
1457342_at	IKAROS family zinc finger 4	Ikzf4	605	8632	0.5	RNA metabolism-transcription	metabolism
1441706_at	Down syndrome cell adhesion molecule-like 1	Dscaml1	606	2988	4.5	cell adhesion	transport
1440683_at	RIKEN cDNA A930004D18 gene	A930004D18Rik	607	138	8.5		
1452654_at	---	---	608	1544	20.5		
1449179_at	phosducin	Pdc	609	3774	8.5	signal transduction	
1449081_at	carboxylesterase 3	Ces3	610	3992	16.5	metabolism	
1438320_s_at	minichromosome maintenance deficient 7 (S. cerevisiae)	Mcm7	611	3017	20.5	cell proliferation-cell cycle	DNA metabolism
1419023_x_at	enolase 1, alpha non-neuron	Eno1	612	28938	16.5	metabolism	
1460033_at	RIKEN cDNA C030002C11 gene	C030002C11Rik	613	14123	0.5		
1428680_at	CDP-diacylglycerol synthase 1	Cds1	614	5348	20.5	signal transduction	metabolism
1452514_a_at	kit oncogene	Kit	615	3519	20.5	cell proliferation-cell cycle	development
1451615_at	cDNA sequence BC026374	BC026374	616	4004	8.5		
1435857_s_at	amyloid beta (A4) precursor-like protein 1	Aplp1	617	25665	0.5	cell adhesion	death
1434190_at	spermine synthase	Sms	618	27904	8.5	metabolism	
1433658_x_at	poly(rC) binding protein 4	Pcbp4	619	601	20.5	cell proliferation-cell cycle	death
1428224_at	heterogeneous nuclear ribonucleoprotein D-like	Hnrpdl	620	9834	8.5	RNA metabolism-transcription	metabolism
1426780_at	DNA segment, Chr 14, ERATO Doi 436, expressed	D14Ertd436e	621	6535	20.5		
1424211_at	solute carrier family 25, member 33	Slc25a33	622	24579	20.5	transport	
1421865_at	diazepam binding inhibitor-like 5	Dbil5	623	18206	0.5	transport	
1417839_at	claudin 5	Cldn5	624	724	16.5	cell adhesion	
1417385_at	aminopeptidase puromycin sensitive	Npepps	625	5855	16.5	protein metabolism	metabolism
1435836_at	pyruvate dehydrogenase kinase, isoenzyme 1	Pdk1	626	3085	20.5	signal transduction	protein metabolism
1451978_at	lysyl oxidase-like 1	Loxl1	627	1196	4.5	protein metabolism	metabolism
1448323_a_at	biglycan	Bgn	628	17911	20.5		
1426805_at	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member	Smarca4	629	17827	4.5	DNA metabolism	RNA metabolism-transcription
1425732_a_at	Max interacting protein 1	Mxi1	630	3904	16.5	RNA metabolism-transcription	metabolism
1418349_at	heparin-binding EGF-like growth factor	Hbegf	631	32392	0.5	cell proliferation-cell cycle	stress response
1417500_a_at	transglutaminase 2, C polypeptide	Tgm2	632	393	0.5	cell adhesion	signal transduction
1416407_at	phosphoprotein enriched in astrocytes 15	Pea15	633	231	0.5	death	transport
1424437_s_at	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	634	1362	20.5	transport	
1416746_at	H2A histone family, member X	H2afx	635	3034	20.5	cell proliferation-cell cycle	DNA metabolism
1430700_a_at	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	Pla2g7	636	28981	20.5	stress response	metabolism
1417471_s_at	DNA segment, Chr 1, ERATO Doi 622, expressed	D1Ertd622e	637	2852	16.5		
1437210_a_at	bromodomain containing 2	Brd2	638	21827	0.5		
1431754_at	RIKEN cDNA 4930578N16 gene	4930578N16Rik	639	13921	20.5		
1449407_at	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	640	14398	8.5	development	
1450149_a_at	protein phosphatase 1, catalytic subunit, gamma isoform	Ppp1cc	641	1827	16.5	cell proliferation-cell cycle	protein metabolism
1434235_at	solute carrier family 20, member 2	Slc20a2	642	804	0.5	transport	
1416104_at	mannose-P-dolichol utilization defect 1	Mpdu1	643	7027	8.5		
1417409_at	Jun oncogene	Jun	644	2828	16.5	cell proliferation-cell cycle	RNA metabolism-transcription
1436520_at	expressed sequence AI450948	AI450948	645	27201	8.5		
1438160_x_at	solute carrier organic anion transporter family, member 4a1	Slco4a1	646	14507	16.5	transport	
1418735_at	keratin 4	Krt4	647	1184	20.5	cell proliferation-cell cycle	development

1449297_at	caspase 12	Casp12	648	17305	4.5	death	stress response
1432195_s_at	cyclin L2	Ccnl2	649	7643	16.5	cell proliferation-cell cycle	RNA metabolism-transcription
1450144_at	phospholipase A2 receptor 1	Pla2r1	650	2340	8.5		
1428834_at	dual specificity phosphatase 4	Dusp4	651	304	4.5	cell proliferation-cell cycle	signal transduction
1426151_a_at	syntaxin 3	Stx3	652	1354	20.5	transport	cell organization and biogenesis
1436477_x_at	RAB2, member RAS oncogene family	Rab2	653	22223	20.5	RNA metabolism-transcription	transport
1426915_at	death associated protein kinase 1	Dapk1	654	419	20.5	death	signal transduction
1415889_a_at	heat shock protein 90kDa beta (Grp94), member 1	Hsp90b1	655	230	20.5	DNA metabolism	stress response
1430158_at	RIKEN cDNA 3110021A11 gene	3110021A11Rik	656	1258	12.5		
1422432_at	diazepam binding inhibitor	Dbi	657	10137	0.5	transport	
1417156_at	keratin 19	Krt19	658	2436	20.5	development	cell organization and biogenesis
1432848_a_at	RIKEN cDNA 1200004M23 gene	1200004M23Rik	659	7560	4.5		
1433682_at	Rho guanine nucleotide exchange factor (GEF) 17	Arhgef17	660	7100	0.5	signal transduction	cell organization and biogenesis
1448594_at	WNT1 inducible signaling pathway protein 1	Wisp1	661	6784	8.5	cell adhesion	cell-cell signaling
1450634_at	ATPase, H+ transporting, lysosomal V1 subunit A	Atp6v1a	662	30830	0.5	transport	metabolism
1449185_at	cone-rod homeobox containing gene	Crx	663	358	20.5	RNA metabolism-transcription	development
1425891_a_at	GH regulated TBC protein 1	Grtp1	664	219	0.5		
1417637_a_at	high mobility group 20 B	Hmg20b	665	23818	0.5	cell proliferation-cell cycle	DNA metabolism
1421027_a_at	myocyte enhancer factor 2C	Mef2c	666	7431	4.5	RNA metabolism-transcription	development
1427266_at	polybromo 1	Pb1	667	13889	0.5	RNA metabolism-transcription	development
1415945_at	minichromosome maintenance deficient 5, cell division cycle 46 (S. cerevisiae)	Mcm5	668	9241	16.5	cell proliferation-cell cycle	DNA metabolism
1426752_at	PHD finger protein 17	Phf17	669	9004	20.5	death	RNA metabolism-transcription
1451210_at	phosphatidic acid phosphatase type 2c	Ppap2c	670	20759	20.5		
1436383_at	complexin 2	Cplx2	671	16230	20.5	transport	cell organization and biogenesis
1423784_at	glycyl-tRNA synthetase	Gars	672	108	4.5	RNA metabolism-transcription	transport
1426519_at	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1 polypeptide	P4ha1	673	29286	16.5	protein metabolism	metabolism
1422495_a_at	high mobility group nucleosomal binding domain 1	Hmgn1	674	2667	20.5	DNA metabolism	stress response
1418649_at	EGL nine homolog 3 (C. elegans)	Egln3	675	89	4.5	death	protein metabolism
1428572_at	brain abundant, membrane attached signal protein 1	Basp1	676	23611	0.5	RNA metabolism-transcription	metabolism
1452345_at	leiomodin 2 (cardiac)	Lmod2	677	461	12.5		
1451703_s_at	---	---	678	1406	4.5		
1426160_a_at	serine/threonine kinase 16	Stk16	679	11877	0.5	protein metabolism	metabolism
1428285_at	RIKEN cDNA 8430427H17 gene	8430427H17Rik	680	7153	0.5		
1417077_at	B-cell receptor-associated protein 29	Bcap29	681	1392	8.5	death	transport
1425974_a_at	tripartite motif protein 25	Trim25#	682	141	0.5		
1420986_s_at	---	---	683	4323	0.5		
1416406_at	phosphoprotein enriched in astrocytes 15	Pea15	684	8928	0.5	death	transport
1431337_a_at	RIKEN cDNA 1810055E12 gene	1810055E12Rik	685	679	4.5		
1419874_x_at	zinc finger and BTB domain containing 16	Zbtb16	686	430	12.5	cell proliferation-cell cycle	death
1416748_a_at	meiotic recombination 11 homolog A (S. cerevisiae)	Mre11a	687	7641	8.5	cell proliferation-cell cycle	DNA metabolism
1446242_at	RIKEN cDNA 4930535B03 gene	4930535B03Rik	688	30244	12.5		
1425256_a_at	DIX domain containing 1	Dixdc1	689	630	20.5	development	signal transduction
1437214_at	leucine rich repeat transmembrane neuronal 4	Lrrtm4	690	4433	16.5		
1418625_s_at	similar to glyceraldehyde-3-phosphate dehydrogenase	LOC14433	691	11036	0.5	metabolism	
1423810_at	protein phosphatase methylesterase 1	Ppme1	692	6877	20.5	protein metabolism	metabolism
1459347_at	---	---	693	32393	16.5		
1452661_at	transferrin receptor	Tfrc	694	4175	16.5	transport	protein metabolism
1431901_a_at	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2	Pfkfb2	695	4340	16.5	metabolism	
1420339_at	RIKEN cDNA 0610016J10 gene	0610016J10Rik	696	24159	4.5		
1415871_at	transforming growth factor, beta induced	Tgfbi	697	1189	20.5	cell adhesion	cell proliferation-cell cycle
1455098_a_at	vitronectin	Vtn	698	31269	12.5	cell adhesion	
1422907_at	guanine nucleotide binding protein, alpha transducing 2	Gnat2	699	1618	0.5	signal transduction	
1452895_at	F-box protein 45	Fbxo45	700	15436	0.5	protein metabolism	metabolism
1460617_s_at	RAB6B, member RAS oncogene family	Rab6b	701	25170	20.5	transport	signal transduction
1455205_a_at	ubiquitin specific peptidase 19	Usp19	702	9996	0.5	protein metabolism	metabolism
1429861_at	protocadherin 9	Pcdh9	703	27930	20.5	cell adhesion	
1450453_a_at	phosphodiesterase 6G, cGMP-specific, rod, gamma	Pde6g	704	361	20.5	signal transduction	
1455972_x_at	hydroxyacyl-Coenzyme A dehydrogenase	Hadh	705	8332	20.5	metabolism	
1453721_a_at	solute carrier family 31, member 2	Slc31a2	706	6482	12.5	transport	
1416135_at	apurinic/apyrimidinic endonuclease 1	Apex1	707	1153	8.5	DNA metabolism	RNA metabolism-transcription
1450522_a_at	H1 histone family, member 0	H1f0	708	222	8.5	DNA metabolism	cell organization and biogenesis
1424650_at	protein disulfide isomerase associated 5	Pdia5	709	15754	4.5	stress response	protein metabolism
1433446_at	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1	Hmgcs1	710	311	4.5	metabolism	
1450945_at	protein kinase C, alpha	Prkca	711	11916	16.5	cell proliferation-cell cycle	death
1455031_at	---	---	712	313	20.5		
1441233_at	Signal recognition particle 54	Srp54	713	3497	20.5	transport	cell organization and biogenesis
1435148_at	ATPase, Na+/K+ transporting, beta 2 polypeptide	Atp1b2	714	6800	16.5	cell adhesion	transport
1435869_s_at	adaptor protein complex AP-2, alpha 2 subunit	Ap2a2	715	7735	8.5	transport	cell organization and biogenesis
1435407_at	Adult male medulla oblongata cDNA, RIKEN full-length enriched library, clone:6332404K23 produc	---	716	10281	12.5		
1423180_at	potassium voltage gated channel, Shab-related subfamily, member 1	Kcnb1	717	26661	16.5	transport	
1452213_at	testis expressed gene 2	Tex2	718	4086	20.5		
1415998_at	voltage-dependent anion channel 1	Vdac1	719	27315	20.5	cell-cell signaling	death
1452440_at	tumor necrosis factor (ligand) superfamily, member 12	Tnfsf12	720	559	12.5	cell proliferation-cell cycle	death
1417664_a_at	N-myc downstream regulated gene 3	Ndrg3	721	110	20.5	development	cell organization and biogenesis
1423643_at	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	Ddx39	722	2433	4.5	RNA metabolism-transcription	transport
1439107_a_at	myeloid/lymphoid or mixed-lineage leukemia 5	Mll5	723	15207	0.5	RNA metabolism-transcription	metabolism
1459617_at	Mitogen activated protein kinase 14	Mapk14	724	7133	0.5	cell proliferation-cell cycle	RNA metabolism-transcription
1451128_s_at	kinesin family member 22	Kif22	725	21930	20.5	transport	cell organization and biogenesis
1436334_at	synaptojanin 1	Synj1	726	5027	20.5	transport	signal transduction
1437378_x_at	scavenger receptor class B, member 1	Scarb1	727	22886	20.5	cell adhesion	death
1420622_a_at	heat shock protein 8	Hspa8	728	86	16.5	cell proliferation-cell cycle	stress response
1456953_at	procollagen, type XIX, alpha 1	Col19a1	729	11218	4.5	cell adhesion	transport
1424458_at	jumonji domain containing 2C	Jmjd2c	730	1316	4.5	DNA metabolism	RNA metabolism-transcription
1441850_x_at	transcobalamin 2	Tcn2	731	13964	20.5	transport	
1448414_at	RAD1 homolog (S. pombe)	Rad1	732	29802	0.5	cell proliferation-cell cycle	DNA metabolism
1429240_at	StAR-related lipid transfer (START) domain containing 4	Stard4	733	1066	4.5	transport	metabolism
1438562_a_at	protein tyrosine phosphatase, non-receptor type 2	Ptpn2	734	8459	16.5	signal transduction	protein metabolism
1448416_at	matrix Gla protein	Mgp	735	1031	20.5	development	
1448382_at	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase	Ehhadh	736	10512	20.5	metabolism	
1434290_at	glycosyltransferase-like domain containing 1	Gtdc1	737	8303	0.5	metabolism	
1441091_at	Transcribed locus	---	738	1363	4.5		
1448496_a_at	inhibitor of growth family, member 1	Ing1	739	28969	20.5	cell proliferation-cell cycle	RNA metabolism-transcription
1431300_at	SH3-domain GRB2-like (endophilin) interacting protein 1	Sgip1	740	4140	8.5	DNA metabolism	metabolism
1438418_at	RIKEN cDNA 4932432K03 gene	4932432K03Rik	741	16266	0.5	transport	cell organization and biogenesis
1426473_at	DnaJ (Hsp40) homolog, subfamily C, member 9	Dnajc9	742	21134	16.5	protein metabolism	metabolism
1437280_s_at	Serpine1 mRNA binding protein 1	Serbp1	743	2824	12.5	RNA metabolism-transcription	metabolism
1436059_at	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	744	20353	0.5	RNA metabolism-transcription	metabolism
1425810_a_at	cysteine and glycine-rich protein 1	Csrp1	745	20245	20.5	cell organization and biogenesis	
1433733_a_at	cryptochrome 1 (photolyase-like)	Cry1	746	16488	12.5	DNA metabolism	RNA metabolism-transcription
1442819_at	rhomboid, veinlet-like 2 (Drosophila)	Rhbdl2	747	7546	12.5		
1427042_at	mal, T-cell differentiation protein 2	Mal2	748	649	4.5		
1416395_at	guanylate kinase 1	Guk1	749	5739	0.5	transport	
1419127_at	neuropeptide Y	Npy	750	1727	4.5	cell-cell signaling	cell proliferation-cell cycle
1454692_x_at	Heterogeneous nuclear ribonucleoprotein K	Hnrpk	751	687	8.5	RNA metabolism-transcription	metabolism
1433888_at	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	752	13195	0.5	cell-cell signaling	transport
1415677_at	dehydrogenase/reductase (SDR family) member 1	Dhrs1	753	3688	20.5	metabolism	
1448960_at	CXXC finger 5	Cxxc5	754	12813	16.5		
1431919_at	rotatin	Rttn	755	20133	8.5	development	

1452968_at	collagen triple helix repeat containing 1	Cthrc1	756	8746	12.5	transport		
1417932_at	interleukin 18	Il18	757	152	0.5	cell adhesion	cell-cell signaling	
1434793_at	WD repeat domain 78	Wdr78	758	15481	0.5			
1434515_at	nuclear receptor coactivator 1	Ncoa1	759	5466	20.5	RNA metabolism-transcription	signal transduction	
1428914_at	RIKEN cDNA 2310014D11 gene	2310014D11Rik	760	14313	20.5			
1457290_at	mab-21-like 1 (C. elegans)	Mab21l1	761	1953	8.5	cell proliferation-cell cycle	transport	
1448161_a_at	chloride channel 4-2	Clcn4-2	762	23198	20.5	transport		
1451236_at	RAS-like, estrogen-regulated, growth-inhibitor	Rerg	763	4377	0.5	cell proliferation-cell cycle	development	
1417376_a_at	immunoglobulin superfamily, member 4A	Igsf4a	764	279	4.5	cell adhesion	death	
1423994_at	kinesin family member 1B	Kif1b	765	9152	4.5	cell-cell signaling	transport	
1424015_at	Rab6 interacting protein 1	Rab6ip1	766	11930	20.5			
1448830_at	dual specificity phosphatase 1	Dusp1	767	264	12.5	cell proliferation-cell cycle	stress response	
1448867_at	TMEM9 domain family, member B	Tmem9b	768	29855	0.5	signal transduction		
AFFX-b-ActinM	actin, beta, cytoplasmic	Actb	769	1179	4.5	M12481_5_at		
1445091_at	ataxia telangiectasia and Rad3 related	Atr	770	30478	4.5	cell proliferation-cell cycle	DNA metabolism	
1423892_at	amyloid beta (A4) precursor protein-binding, family B, member 1	Apbb1	771	21933	20.5	cell proliferation-cell cycle	RNA metabolism-transcription	
1417579_x_at	GDP-mannose pyrophosphorylase A	Gmppa	772	22110	20.5	metabolism		
1416326_at	cysteine-rich protein 1 (intestinal)	Crip1	773	5438	20.5			
1425590_s_at	aryl hydrocarbon receptor-interacting protein-like 1	Aipl1	774	15375	20.5	death	protein metabolism	
1449054_a_at	poly(rC) binding protein 4	Pcbp4	775	10063	20.5	cell proliferation-cell cycle	death	
1457264_at	PHD finger protein 20-like 1	Phf20l1	776	1936	8.5	RNA metabolism-transcription	metabolism	
1416914_s_at	mammary tumor virus receptor 2	Mtvr2	777	8264	0.5	cell proliferation-cell cycle		
1424250_a_at	Rho guanine nucleotide exchange factor (GEF) 3	Arhgef3	778	5091	20.5	signal transduction		
1423179_at	potassium voltage gated channel, Shab-related subfamily, member 1	Kcnb1	779	28822	20.5	transport		
1436656_at	cDNA sequence BC062109	BC062109	780	13207	20.5			
1421142_s_at	forkhead box P1	Foxp1	781	24887	20.5	RNA metabolism-transcription	development	
1451151_s_at	zinc finger protein 410	Zfp410	782	348	16.5	RNA metabolism-transcription	metabolism	
1453143_at	galactosidase, beta 1 like 3	Glb1l3	783	3854	20.5	metabolism		
1434130_at	lipoma HMGIC fusion partner-like 2	Lhfpl2	784	13007	20.5	metabolism		
1428915_at	sirtuin 5 (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)	Sirt5	785	4779	4.5	DNA metabolism	RNA metabolism-transcription	
1449626_s_at	acyl-Coenzyme A binding domain containing 4	Acbd4	786	23974	0.5			
1419449_a_at	guanine nucleotide binding protein, alpha inhibiting 2	Gnai2	787	935	4.5	cell proliferation-cell cycle	signal transduction	
1434800_at	synaptic vesicle glycoprotein 2 b	Sv2b	788	67	8.5	cell-cell signaling	transport	
1452444_at	N-ethylmaleimide sensitive fusion protein attachment protein beta	Napb	789	27071	20.5	transport	cell organization and biogenesis	
1434676_at	myotubularin related protein 9	Mtmr9	790	6822	4.5	protein metabolism	metabolism	
1428095_a_at	transmembrane protein 24	Tmem24	791	246	20.5			
1437223_s_at	X-box binding protein 1	Xbp1	792	1030	16.5	RNA metabolism-transcription	metabolism	
1447901_x_at	Sfi1 homolog, spindle assembly associated (yeast)	Sfi1	793	24541	0.5			
1427894_at	vasorin	Vasn	794	28322	16.5			
1460672_at	RIKEN cDNA 2410002F23 gene	2410002F23Rik	795	2366	8.5			
1450700_at	CDC42 effector protein (Rho GTPase binding) 3	Cdc42ep3	796	16347	0.5	development	cell organization and biogenesis	
1449348_at	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	Mpp6	797	31832	16.5	protein metabolism	metabolism	
1457666_s_at	interferon activated gene 202B	Ifi202b	798	21117	4.5			
1422470_at	BCL2/adenovirus E1B interacting protein 1, NIP3	Bnip3	799	16877	20.5	death	DNA metabolism	
1460601_at	myosin VIIA and Rab interacting protein	Myrip	800	4378	20.5	transport	cell organization and biogenesis	
1426696_at	low density lipoprotein receptor-related protein associated protein 1	Lrpap1	801	23446	20.5	cell proliferation-cell cycle	transport	
1427878_at	RIKEN cDNA 0610010O12 gene	0610010O12Rik	802	5807	16.5			
1457842_at	Zinc finger protein 292	Zfp292	803	2006	20.5	stress response	protein metabolism	
1430244_at	RIKEN cDNA 4921509J17 gene	4921509J17Rik	804	701	20.5			
1449556_at	histocompatibility 2, T region locus 23	H2-T23	805	2604	0.5			
1451124_at	superoxide dismutase 1, soluble	Sod1	806	29572	20.5	death	DNA metabolism	
1445359_at	adenylate cyclase 1	Adcy1	807	21374	4.5	signal transduction	metabolism	
1425629_a_at	nucleolar protein family 6 (RNA-associated)	Nol6	808	22234	12.5	RNA metabolism-transcription	cell organization and biogenesis	
1434179_at	myeloid/lymphoid or mixed-lineage leukemia 3	Mll3	809	19162	16.5	DNA metabolism	RNA metabolism-transcription	
1419414_at	guanine nucleotide binding protein 13, gamma	Gng13	810	32336	20.5	signal transduction		
1449897_a_at	mature T-cell proliferation 1	Mtcp1	811	28576	16.5	cell proliferation-cell cycle		
1451335_at	placenta-specific 8	Plac8	812	1420	8.5			
1456081_a_at	acetoacetyl-CoA synthetase	Aacs	813	2622	4.5	metabolism		
1439168_at	calcium/calmodulin-dependent protein kinase II, delta	Camk2d	814	521	4.5	cell proliferation-cell cycle	transport	
1427943_at	acylphosphatase 2, muscle type	Acyp2	815	1214	12.5	metabolism		
1417946_at	abhydrolase domain containing 3	Abhd3	816	1313	16.5			
1455562_at	SRY-box containing gene 12	Sox12	817	9043	8.5	RNA metabolism-transcription	metabolism	
1456250_x_at	transforming growth factor, beta induced	Tgfbi	818	16644	20.5	cell adhesion	cell proliferation-cell cycle	
1460367_at	high mobility group box transcription factor 1	Hbp1	819	25538	16.5	cell proliferation-cell cycle	RNA metabolism-transcription	
1447734_x_at	aldolase 1, A isoform	Aldoa	820	1525	20.5	metabolism		
1460498_a_at	DnaJ (Hsp40) homolog, subfamily C, member 5	Dnajc5	821	23917	20.5	protein metabolism	metabolism	
1419247_at	regulator of G-protein signaling 2	Rgs2	822	28935	0.5	cell proliferation-cell cycle	signal transduction	
1440861_a_at	---	---	823	27039	8.5			
1451461_a_at	aldolase 3, C isoform	Aldoc	824	12780	0.5	metabolism		
1418626_a_at	clusterin	Clu	825	378	0.5	death	metabolism	
1435199_at	Adenomatosis polyposis coli 2	Apc2	826	15653	12.5	cell proliferation-cell cycle	signal transduction	
1417938_at	RAD51 associated protein 1	Rad51ap1	827	12856	12.5	DNA metabolism	stress response	
1455013_at	ariadne homolog 2 (Drosophila)	Arih2	828	16238	0.5	development	protein metabolism	
1452058_a_at	ring finger protein 11	Rnf11	829	4698	20.5	protein metabolism	metabolism	
1450052_at	kinesin family member 2A	Kif2a	830	641	20.5	transport	cell organization and biogenesis	
1430082_at	WD repeat domain 64	Wdr64	831	18043	12.5			
1435816_at	ribosomal protein S6	Rps6	832	28434	12.5	cell organization and biogenesis	protein metabolism	
1422159_at	protein phosphatase, EF hand calcium-binding domain 2	Ppef2	833	1283	20.5			
1440817_x_at	zinc finger protein 771	Zfp771	834	12509	0.5			
1448226_at	ribonucleotide reductase M2	Rrm2	835	338	20.5	DNA metabolism	metabolism	
1452428_a_at	beta-2 microglobulin	B2m	836	27077	8.5			
1450541_at	plasmacytoma variant translocation 1	Pvt1	837	25306	8.5	DNA metabolism	cell organization and biogenesis	
1446376_at	ribosomal protein S6 kinase, polypeptide 1	Rps6kb1	838	8094	16.5	development	signal transduction	
1416041_at	serum/glucocorticoid regulated kinase	Sgk	839	371	12.5	death	stress response	
1434141_at	guanylate cyclase 1, soluble, alpha 3	Gucy1a3	840	28625	20.5	signal transduction	metabolism	
1427623_at	hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domai	Herc2	841	25310	8.5	transport	cell organization and biogenesis	
1438754_at	---	---	842	28416	12.5			
1434822_at	periphilin 1	Pphln1	843	31039	4.5	development		
1435872_at	Proviral integration site 1	Pim1	844	4139	20.5	cell proliferation-cell cycle	death	
1436870_s_at	expressed sequence AU041783	AU041783	845	9075	0.5			
1443953_at	testis expressed gene 2	Tex2	846	16059	8.5			
1417810_a_at	potassium voltage gated channel, Shab-related subfamily, member 1	Kcnb1	847	1794	4.5	transport	signal transduction	
1422768_at	synaptotagmin binding, cytoplasmic RNA interacting protein	Syncrip	848	26458	4.5	RNA metabolism-transcription	metabolism	
1427050_at	RIKEN cDNA 5730420B22 gene	5730420B22Rik	849	3523	16.5	metabolism		
1423935_x_at	keratin 14	Krt14	850	6652	12.5	development	cell organization and biogenesis	
1440851_at	RIKEN cDNA 4933407N01 gene	4933407N01Rik	851	19279	16.5			
1454645_at	mahogunin, ring finger 1	Mgrn1	852	28284	20.5	protein metabolism	metabolism	
1447816_x_at	oxidoreductase NAD-binding domain containing 1	Oxnad1	853	29718	12.5	metabolism		
1417140_a_at	protein tyrosine phosphatase, non-receptor type 2	Ptpn2	854	22123	0.5	signal transduction	protein metabolism	
1439049_at	DPH5 homolog (S. cerevisiae)	Dph5	855	18571	12.5	protein metabolism	metabolism	
1425674_a_at	Ssu72 RNA polymerase II CTD phosphatase homolog (yeast)	Ssu72	856	23285	20.5			
1428284_at	RIKEN cDNA 8430427H17 gene	8430427H17Rik	857	9987	0.5			
1432144_a_at	ring finger and CHY zinc finger domain containing 1	Rchy1	858	13747	0.5			
1456445_at	RIKEN cDNA 4930563D23 gene	4930563D23Rik	859	17124	8.5			
1428055_at	RNA imprinted and accumulated in nucleus	Rian	860	14008	4.5			
1437875_at	bicaudal D homolog 2 (Drosophila)	Bicd2	861	15594	0.5	transport	cell organization and biogenesis	
1433847_at	RIKEN cDNA D330017J20 gene	D330017J20Rik	862	283	4.5			
1416127_a_at	aspartyl aminopeptidase	Dnpep	863	18266	20.5	protein metabolism	metabolism	

1429415_at	protein kinase C binding protein 1	Prkcbp1	864	445	20.5	RNA metabolism-transcription	metabolism	
1434702_at	RIKEN cDNA 2600009E05 gene	2600009E05Rik	865	22713	0.5			
1418932_at	nuclear factor, interleukin 3, regulated	Nfil3	866	247	20.5	RNA metabolism-transcription	metabolism	
1420397_a_at	SPEN homolog, transcriptional regulator (Drosophila)	Spen	867	810	0.5	RNA metabolism-transcription	transport	
1441945_s_at	abhydrolase domain containing 14A	Abhd14a	868	20391	20.5	metabolism		
1454975_at	coiled-coil domain containing 131	Ccdc131	869	1901	16.5	RNA metabolism-transcription	metabolism	
1423224_at	RIKEN cDNA 4432405B04 gene	4432405B04Rik	870	11297	16.5			
1426997_at	thyroid hormone receptor alpha	Thra	871	31352	16.5	RNA metabolism-transcription	development	
1453569_s_at	---	---	872	14242	16.5	death	development	
1433628_at	coenzyme Q10 homolog A (yeast)	Coq10a	873	1004	20.5			
1447892_at	---	---	874	4117	20.5	metabolism		
1458612_at	RIKEN cDNA A930006A01 gene	A930006A01Rik	875	22115	12.5			
1434867_at	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	876	66	0.5	transport		
1422050_at	NK1 transcription factor related, locus 2 (Drosophila)	Nkx1-2	877	5962	16.5	RNA metabolism-transcription	development	
1417233_at	coiled-coil-helix-coiled-coil-helix domain containing 4	Chchd4	878	12334	8.5	transport	cell organization and biogenesis	
1431119_at	DnaJ (Hsp40) related, subfamily B, member 13	Dnajb13	879	1352	8.5	protein metabolism	metabolism	
1449152_at	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	Cdkn2b	880	800	20.5	cell proliferation-cell cycle	RNA metabolism-transcription	
1434133_s_at	WD repeat domain 42A	Wdr42a	881	11166	20.5			
1429133_at	RIKEN cDNA 4930519N16 gene	4930519N16Rik	882	19581	20.5	metabolism		
1428074_at	transmembrane protein 158	Tmem158	883	1930	16.5			
1451342_at	spondin 1, (f-spondin) extracellular matrix protein	Spon1	884	1637	8.5	cell adhesion	development	
1440587_at	---	---	885	30263	16.5			
1448202_x_at	RIKEN cDNA 2610524G07 gene	2610524G07Rik	886	17363	0.5			
1416481_s_at	HIG1 domain family, member 1A	Higd1a	887	21461	20.5			
1450197_at	retinal pigment epithelium 65	Rpe65	888	757	16.5	development	cell organization and biogenesis	
1423505_at	transgelin	Tagln	889	7881	20.5	development	cell organization and biogenesis	
1420953_at	adducin 1 (alpha)	Add1	890	3876	20.5			
1426680_at	selenoprotein N, 1	Sepn1	891	14140	0.5			
1427892_at	myosin IG	Myo1g	892	32394	12.5			
1430951_at	RIKEN cDNA 2810011L19 gene	2810011L19Rik	893	32395	4.5			
1452219_at	transmembrane protein 63b	Tmem63b	894	8854	20.5			
1435896_at	sideroflexin 2	Sfxn2	895	197	4.5	transport		
1415852_at	inosine 5'-phosphate dehydrogenase 2	Impdh2	896	23761	0.5	cell proliferation-cell cycle	metabolism	
1437148_at	actin related protein 2/3 complex, subunit 2	Arpc2	897	3658	4.5	cell organization and biogenesis	protein metabolism	
1427939_s_at	c-myc binding protein	Mycbp	898	16778	4.5	RNA metabolism-transcription	metabolism	
1416452_at	ornithine aminotransferase	Oat	899	31440	20.5	metabolism		
1428621_a_at	vacuolar protein sorting 25 (yeast)	Vps25	900	3333	4.5	RNA metabolism-transcription	transport	
1452572_at	calcium/calmodulin-dependent protein kinase IV	Camk4	901	17540	8.5	cell-cell signaling	transport	
1456193_x_at	glutathione peroxidase 4	Gpx4	902	14219	16.5	DNA metabolism	stress response	
1452648_at	transforming growth factor beta regulated gene 1	Tbrg1	903	5651	4.5			
1424534_at	monocyte to macrophage differentiation-associated 2	Mmd2	904	13661	20.5	death		
1439347_at	tensin 4	Tns4	905	2293	16.5	death	signal transduction	
1418953_at	F-box protein 16	Fbxo16#	906	32343	16.5	protein metabolism	metabolism	
1460326_at	phosphatidylinositol 3-kinase, catalytic, alpha polypeptide	Pik3ca	907	27971	20.5	death	signal transduction	
1435772_at	kinesin family member 21B	Kif21b	908	20596	0.5	transport	cell organization and biogenesis	
1425992_at	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	909	18107	8.5	cell-cell signaling	transport	
1435370_a_at	carboxylesterase 3	Ces3	910	3675	16.5	metabolism		
1429067_at	calpain, small subunit 2	Capns2	911	1556	8.5			
1451647_at	solute carrier family 24 (sodium/potassium/calcium exchanger), member 1	Slc24a1	912	752	16.5	transport		
1426602_at	v-raf murine sarcoma 3611 viral oncogene homolog	Araf	913	10216	20.5	cell proliferation-cell cycle	signal transduction	
1459389_at	Centaurin, gamma 2	Centg2	914	27091	8.5	transport	signal transduction	
1456538_at	serologically defined colon cancer antigen 8	Sdccag8	915	2711	16.5			
1453537_a_at	WD repeat domain 17	Wdr17	916	634	12.5			
1446754_a_at	Vax2 opposite strand transcript 1	Vax2os1	917	1095	20.5			
1423317_at	RIKEN cDNA 3110001D03 gene	3110001D03Rik	918	1562	4.5			
1440447_at	abhydrolase domain containing 2	Abhd2	919	19668	12.5	stress response		
1435536_at	regulatory solute carrier protein, family 1, member 1	Rsc1a1	920	21459	16.5	transport		
1426955_at	procollagen, type XVIII, alpha 1	Col18a1	921	3662	0.5	cell adhesion	cell proliferation-cell cycle	
1459672_at	Topoisomerase (DNA) I	Top1	922	4897	8.5	DNA metabolism	development	
1452825_at	RIKEN cDNA 5330410G16 gene	5330410G16Rik	923	22323	20.5			
1424243_at	RWD domain containing 4A	Rwdd4a	924	329	20.5	protein metabolism	metabolism	
1434690_at	lysocardiolipin acyltransferase	Lycat	925	1796	20.5	metabolism		
1434876_at	glycosyltransferase 8 domain containing 3	Glt8d3	926	22255	4.5	metabolism		
1437679_a_at	glutaredoxin 2 (thioltransferase)	Glrx2	927	3804	20.5	death	DNA metabolism	
1415702_a_at	C-terminal binding protein 1	Ctbp1	928	12642	20.5	cell proliferation-cell cycle	protein metabolism	
1452879_at	synaptopodin 2	Synpo2	929	2244	20.5			
1418123_at	unc-119 homolog (C. elegans)	Unc119	930	291	4.5	cell-cell signaling	transport	
1429185_at	RIKEN cDNA 4631416L12 gene	4631416L12Rik	931	524	12.5	signal transduction		
1420124_s_at	T-cell leukemia translocation altered gene	Tcta	932	14997	8.5			
1433806_x_at	calreticulin	Calr	933	1161	20.5	cell proliferation-cell cycle	death	
1421917_at	platelet derived growth factor receptor, alpha polypeptide	Pdgfra	934	6566	20.5	cell proliferation-cell cycle	development	
1428444_at	ankyrin repeat and SOCS box-containing protein 2	Asb2	935	2201	16.5	RNA metabolism-transcription	signal transduction	
1437277_x_at	transglutaminase 2, C polypeptide	Tgm2	936	95	0.5	cell adhesion	signal transduction	
1437621_x_at	3-phosphoglycerate dehydrogenase	Phgdh	937	782	4.5	metabolism		
1435318_at	RIKEN cDNA E130218I03 gene	E130218I03Rik	938	7038	0.5			
1424119_at	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	939	5936	0.5	stress response	signal transduction	
1453512_at	RIKEN cDNA 5830407P18 gene	5830407P18Rik	940	11611	4.5			
1455550_x_at	serine incorporator 3	Serinc3	941	15397	16.5	death		
1434546_at	Smg-5 homolog, nonsense mediated mRNA decay factor (C. elegans)	Smg5	942	6523	0.5	RNA metabolism-transcription	transport	
1420834_at	vesicle-associated membrane protein 2	Vamp2	943	24920	20.5	cell-cell signaling	transport	
1452069_a_at	THAP domain containing 7	Thap7	944	21064	20.5	RNA metabolism-transcription	metabolism	
1418945_at	matrix metallopeptidase 3	Mmp3	945	326	4.5	protein metabolism	metabolism	
1449126_at	zinc finger protein 90	Zfp90	946	4022	0.5	RNA metabolism-transcription	metabolism	
1434853_x_at	makorin, ring finger protein, 1	Mkrn1	947	29924	20.5			
1436292_a_at	ornithine decarboxylase antizyme	Oaz1	948	7075	0.5	metabolism		
1424104_at	SYF2 homolog, RNA splicing factor (S. cerevisiae)	Syf2	949	5338	0.5	RNA metabolism-transcription	metabolism	
1428484_at	oxysterol binding protein-like 3	Osbpl3	950	20609	4.5	transport	metabolism	
1452457_a_at	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	951	10038	20.5	stress response	signal transduction	
1433507_a_at	high mobility group nucleosomal binding domain 2	Hmgn2	952	5022	8.5	DNA metabolism	metabolism	
1423689_a_at	G-protein signalling modulator 1 (AGS3-like, C. elegans)	Gpsm1	953	7121	20.5	development	signal transduction	
1434755_at	coronin, actin binding protein, 2B	Coro2b	954	8938	0.5	cell organization and biogenesis		
1434082_at	---	---	955	19741	16.5			
1441712_at	Trf (TATA binding protein-related factor)-proximal protein homolog (Drosophila)	Trfp	956	32396	8.5	RNA metabolism-transcription	protein metabolism	
1432705_at	RIKEN cDNA 5330428N10 gene	5330428N10Rik	957	4646	4.5			
1422979_at	suppressor of variegation 3-9 homolog 2 (Drosophila)	Suv39h2	958	741	0.5	cell proliferation-cell cycle	DNA metabolism	
1419665_a_at	nuclear protein 1	Nupr1	959	22258	4.5	death	development	
1418151_at	myotubularin related protein 4	Mtmr4	960	11918	16.5	protein metabolism	metabolism	
1445895_at	T-cell receptor beta, variable 8.2	Tcrb-V8.2	961	20606	16.5			
1448376_at	Werner helicase interacting protein 1	Wrnip1	962	26495	0.5	DNA metabolism	stress response	
1451501_a_at	growth hormone receptor	Ghr	963	10851	16.5	transport	development	
1448850_a_at	DnaJ (Hsp40) homolog, subfamily C, member 5	Dnajc5	964	19434	16.5	protein metabolism	metabolism	
1424308_at	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	Slc24a3	965	24429	0.5	transport		
1434909_at	Ras-related GTP binding D	Rragd	966	17171	20.5			
1454886_x_at	---	---	967	13550	0.5			
1424952_at	OCIA domain containing 1	Ociad1	968	18751	20.5			
1416984_at	mitochondrial ribosomal protein S18A	Mrps18a	969	2791	20.5	protein metabolism	metabolism	
1425219_x_at	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1	Gngt1	970	30073	4.5	signal transduction		
1426235_a_at	glutamate-ammonia ligase (glutamine synthetase)	Glul	971	16874	16.5	metabolism		

1438299_at	RIKEN cDNA 3100002L24 gene	3100002L24Rik	972	31621	0.5	RNA metabolism-transcription	metabolism
1456610_at	jumonji domain containing 3	Jmjd3	973	3676	16.5		
1417716_at	glutamate oxaloacetate transaminase 2, mitochondrial	Got2	974	23032	0.5	metabolism	
1426913_at	lanosterol synthase	Lss	975	715	4.5	metabolism	
1416130_at	prion protein	Prnp	976	8369	16.5	stress response	metabolism
1434574_at	RIKEN cDNA 9430008C03 gene	9430008C03Rik	977	9601	20.5		
1434606_at	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	Erbb3	978	24281	20.5	cell proliferation-cell cycle	development
1419062_at	erythrocyte protein band 4.1-like 3	Epb4.1l3	979	15853	16.5	cell organization and biogenesis	
1428254_at	Purine rich element binding protein B	Purb	980	20181	20.5	cell proliferation-cell cycle	death
1438358_x_at	prefoldin 5	Pfdn5	981	10719	0.5	RNA metabolism-transcription	protein metabolism
1415860_at	karyopherin (importin) alpha 2	Kpna2	982	2130	0.5	transport	cell organization and biogenesis
1451165_at	limb region 1 like	Lmbr1l	983	3642	0.5	transport	
1415978_at	tubulin, beta 3	Tubb3#	984	32384	16.5	transport	development
1424143_a_at	chromatin licensing and DNA replication factor 1	Cdt1	985	2605	8.5	cell proliferation-cell cycle	DNA metabolism
1436731_at	zinc finger protein 533	Zfp533	986	8200	20.5		
1436662_at	VPS10 domain receptor protein SORCS 1	Sorcs1	987	5203	8.5		
1434264_at	ankyrin 2, brain	Ank2	988	10398	20.5	death	signal transduction
1448145_at	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	989	24222	20.5	protein metabolism	metabolism
1417470_at	apolipoprotein B editing complex 3	Apobec3	990	13048	4.5		
1443618_at	PDZ domain containing 2	Pdzd2	991	19594	4.5	protein metabolism	metabolism
1444232_at	protein kinase, cGMP-dependent, type I	Prkg1	992	22844	0.5	development	signal transduction
1434673_at	G protein-coupled receptor 22	Gpr22	993	8281	8.5	signal transduction	
1453317_a_at	KH domain containing, RNA binding, signal transduction associated 3	Khdrbs3	994	217	20.5	RNA metabolism-transcription	metabolism
1449528_at	c-fos induced growth factor	Figf	995	32397	16.5	cell proliferation-cell cycle	development
1425752_at	cDNA sequence BC014805	BC014805	996	18112	4.5	transport	
1417419_at	cyclin D1	Ccnd1	997	317	12.5	cell proliferation-cell cycle	stress response
1435800_a_at	cold shock domain protein A	Csda	998	860	20.5	RNA metabolism-transcription	stress response
1457027_at	dehydrogenase E1 and transketolase domain containing 1	Dhtkd1	999	30038	4.5	metabolism	
1422725_at	male germ cell-associated kinase	Mak	1000	7985	16.5	protein metabolism	metabolism
1416892_s_at	RIKEN cDNA 3110001A13 gene	3110001A13Rik	1001	23856	20.5		
1441018_at	ubiquitin specific peptidase 24	Usp24	1002	31620	12.5	transport	protein metabolism
1425163_at	expressed sequence AI661453	AI661453	1003	2632	4.5		
1443416_at	expressed sequence C79741	C79741	1004	18814	8.5		
1428843_at	membrane-associated ring finger (C3HC4) 5	March5	1005	7528	20.5		
1416773_at	wee 1 homolog (S. pombe)	Wee1	1006	10944	12.5	cell proliferation-cell cycle	protein metabolism
1423721_at	tropomyosin 1, alpha	Tpm1	1007	23581	4.5		
1437031_at	Acyl-CoA synthetase long-chain family member 6	Acsl6	1008	27694	20.5	cell proliferation-cell cycle	development
1436223_at	integrin beta 8	Itgb8	1009	3342	20.5	cell adhesion	development
1433582_at	RIKEN cDNA 1190002N15 gene	1190002N15Rik	1010	26664	12.5		
1417377_at	immunoglobulin superfamily, member 4A	Igsf4a	1011	1601	8.5	cell adhesion	death
1457375_at	---	---	1012	18179	12.5		
1459336_at	Guanylate cyclase 1, soluble, alpha 2	Gucy1a2	1013	6224	4.5	signal transduction	metabolism
1456722_at	chordin-like 1	Chrdl1	1014	7135	0.5	development	
1448359_a_at	HIG1 domain family, member 1A	Higd1a	1015	12826	16.5		
1417865_at	tumor necrosis factor, alpha-induced protein 1 (endothelial)	Tnfaip1	1016	28723	16.5	DNA metabolism	RNA metabolism-transcription
1429153_at	RIKEN cDNA 6530406A20 gene	6530406A20Rik	1017	22876	20.5		
1423978_at	SH3-binding kinase 1	Sbk1	1018	17775	20.5	protein metabolism	metabolism
1452466_a_at	RNA binding motif protein 6	Rbm6	1019	15446	0.5	metabolism	
1456137_at	neurexin III	Nrxn3	1020	1315	8.5	cell adhesion	cell-cell signaling
1434510_at	3'-phosphoadenosine 5'-phosphosulfate synthase 2	Papss2	1021	5763	20.5	development	metabolism
1438133_a_at	cysteine rich protein 61	Cyr61	1022	1487	12.5	cell adhesion	cell proliferation-cell cycle
1426342_at	STT3, subunit of the oligosaccharyltransferase complex, homolog B (S. cerevisiae)	Stt3b	1023	8826	20.5	protein metabolism	metabolism
1455203_at	RIKEN cDNA A930003A15 gene	A930003A15Rik	1024	30170	20.5		
1444178_at	hypothetical gene supported by AK028012	LOC433237	1025	11988	16.5		
1448305_at	RAB6, member RAS oncogene family	Rab6	1026	32103	20.5	transport	signal transduction
1450031_at	AF4/FMR2 family, member 4	Aff4	1027	1946	20.5	RNA metabolism-transcription	development
1436841_at	RIKEN cDNA B230380D07 gene	B230380D07Rik	1028	2313	20.5	transport	
1450658_at	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 5 (aggre	Adamts5	1029	10492	8.5	signal transduction	protein metabolism
1417955_at	coiled-coil domain containing 71	Ccdc71	1030	25379	4.5		
1422561_at	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 5 (aggre	Adamts5	1031	17831	20.5	signal transduction	protein metabolism
1425019_at	UBX domain containing 4	Ubxd4	1032	32246	20.5		