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Name	Synonyms	Description	Affymetrix	Location	Family	Drugs	Entrez	Ger	Entrez	Ger	Entrez	Gene ID for Rat
ALOX5	5 LIPOXYC	arachidonate 5-lipoxygenase	204446_s_	Cytoplasm	enzyme	TA 270, m	240		11689		25290	
ALOX5AP	FLAP	arachidonate 5-lipoxygenase-activating protein	204174_at	Plasma M	other		241		11690		29624	
C1RL	C1r-LP, C1	complement component 1, r subcomponent-like	218983_at	Unknown	peptidase		51279		232371		408246	
CD163	Cd163 (pre	CD163 molecule	216233_at	Plasma M	transmemt		9332		93671		312701	
CEBPB	Agp/eb, C/	CCAAT/enhancer binding protein (C/EBP), beta	212501_at	Nucleus	transcriptic		1051		12608		24253	
CLEC4E	C type lect	C-type lectin domain family 4, member E	222934_s_	Unknown	other		26253		56619		450223	
DEFA1 (inc	DEF1, DEI	defensin, alpha 1	205033_s_	Extracellu	other		1667					
DICER1	1110006FC	Dicer1, Dcr-1 homolog (Drosophila)	206061_s_	Cytoplasm	enzyme		23405		192119		299284	
EIF4G3	4833436O	eukaryotic translation initiation factor 4 gamma, 3	243149_at	Cytoplasm	translation		8672		230861		298573	
ENTPD1	2610206B	ectonucleoside triphosphate diphosphohydrolase 1	209474_s_	Plasma M	enzyme		953		12495		64519	
FOSL2	FLJ23306,	FOS-like antigen 2	241824_at	Nucleus	transcriptic		2355		14284		25446	
HP	Ba1-647, h	haptoglobin	206697_s_	Extracellu	peptidase		3240		15439		24464	
HSPA1A	70kDa, he	heat shock 70kDa protein 1A	200799_at	Cytoplasm	other		3303		193740		294254	
IL1R1	CD121A, C	interleukin 1 receptor, type I	202948_at	Plasma M	transmemt	anakinra	3554		16177		25663	
IL1R2	CD121b, C	interleukin 1 receptor, type II	205403_at	Plasma M	transmemt		7850		16178		117022	
IL1RN	F630041P	interleukin 1 receptor antagonist	212659_s_	Extracellu	cytokine		3557		16181		60582	
JDP2	JUNDM2,	jun dimerization protein 2	226267_at	Nucleus	transcriptic		122953		81703		116674	
LCN2	24P3, AW2	lipocalin 2 (oncogene 24p3)	212531_at	Extracellu	transporter		3934		16819		170496	
LDLR	FH, FHC, l	low density lipoprotein receptor (familial hypercholesterolemia)	202068_s_	Plasma M	transporter		3949		16835		300438	
LTB4R	BLT, BLT1,	leukotriene B4 receptor	210128_s_	Plasma M	G-protein c	etalocib	1241		16995		59264	
LY96	ESOP-1, M	lymphocyte antigen 96	206584_at	Plasma M	other		23643		17087		448830	
MAP2K6	MAPK KIN	mitogen-activated protein kinase 6	205698_s_	Cytoplasm	kinase		5608		26399		114495	
MAPK14	CRK1, CSI	mitogen-activated protein kinase 14	202530_at	Cytoplasm	kinase	SCIO-469	1432		26416		81649	
MAPKAPK	AA960234	mitogen-activated protein kinase-activated protein kinase 2	201461_s_	Nucleus	kinase		9261		17164		289014	
MEF2A	A430079H	MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A)	208328_s_	Nucleus	transcriptic		4205		17258		365630	
MKNK1	2410048M	MAP kinase interacting serine/threonine kinase 1	1560720_s_	Cytoplasm	kinase		8569		17346			
ORM1	AGP, Agp-	orosomuroid 1	205041_s_	Extracellu	other		5004		18406			
RETN	ADSF, FIZ	resistin	220570_at	Extracellu	other		56729		57264		246250	
RGR (inclu	MGC11967	Ral-GDS related protein Rgr	235816_s_	Unknown	other		266747					
SQRDL	0610039J1	sulfide quinone reductase-like (yeast)	217995_at	Cytoplasm	enzyme		58472		59010			
TAK1	2810468K	TAO kinase 1	227454_at	Cytoplasm	kinase		57551		216965		286993	
TLR2	CD282, Ly	toll-like receptor 2	204924_at	Plasma M	transmemt		7097		24088		310553	
TLR4	CD284, H1	toll-like receptor 4	232068_s_	Plasma M	transmemt	TAK-242	7099		21898		29260	
UPP1	A1325217,	uridine phosphorylase 1	203234_at	Cytoplasm	enzyme		7378		22271		289801	
ZAK	AV006891,	sterile alpha motif and leucine zipper containing kinase AZK	225662_at	Cytoplasm	kinase		51776		65964			

Upregulated\_networks

TAB 1-MAPK14 network day 1

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Name	Synonyms	Description	Affymetrix	Location	Family	Drugs	Entrez Ger	Entrez Ger	Entrez Ger	Gene ID for Rat
BMX	ETK, Etk/E	BMX non-receptor tyrosine kinase	206464_at	Cytoplasm	kinase		660	12169	367786	
CD14	CD14 ANT	CD14 molecule	201743_at	Plasma M	transmemt		929	12475	60350	
CEBPA	C/EBP ALF	CCAAT/enhancer binding protein (C/EBP), alpha	204039_at	Nucleus	transcriptic		1050	12606	24252	
CEBPD	C/EBP DE	CCAAT/enhancer binding protein (C/EBP), delta	203973_s_	Nucleus	transcriptic		1052	12609	25695	
CSF2RA	CD116, CI	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	207085_x_	Plasma M	transmemt	sargramos	1438	12982		
CSF3R	CD114, Cs	colony stimulating factor 3 receptor (granulocyte)	1553297_ε	Plasma M	transmemt	pegfilgrasti	1441	12986	298518	
CUTL1	AA407197	cut-like 1, CCAAT displacement protein (Drosophila)	225937_at	Nucleus	transcriptic		1523	13047	116639	
ELA2	Ela2 (predi	elastase 2, neutrophil	206871_at	Extracellu	peptidase	proteinase	1991	50701	299606	
EMR1	DD7A5-7,	egf-like module containing, mucin-like, hormone receptor-like 1	207111_at	Plasma M	G-protein c		2015	13733	316137	
FCAR	CD89, RG	Fc fragment of IgA, receptor for	211307_s_	Plasma M	other		2204		365183	
FCER1G	Al573376,	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	204232_at	Plasma M	transmemt		2207	14127	25441	
FCGR1A	Al323638,	Fc fragment of IgG, high affinity Ia, receptor (CD64)	216950_s_	Plasma M	transmemt		2209	14129	295279	
FES	Al586313,	feline sarcoma oncogene	205418_at	Cytoplasm	kinase		2242	14159	361597	
FFAR2	FFA2R, Gf	free fatty acid receptor 2	221345_at	Plasma M	G-protein c		2867	233079	292794	
FGR	C-FGR, FC	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	208438_s_	Nucleus	kinase		2268	14191	79113	
HCK	Al849071,	hemopoietic cell kinase	208018_s_	Cytoplasm	kinase		3055	15162	25734	
IFNGR1	CD119, FL	interferon gamma receptor 1	211676_s_	Plasma M	transmemt	interferon γ	3459	15979	116465	
IL10RB	6620401D	interleukin 10 receptor, beta	230632_at	Plasma M	transmemt		3588	16155	304091	
IL18R1	CDw218a,	interleukin 18 receptor 1	206618_at	Plasma M	transmemt		8809	16182	301365	
IL18RAP	ACPL, CD	interleukin 18 receptor accessory protein	207072_at	Plasma M	transmemt		8807	16174	301366 373540	
ITGAM	C3 receptc	integrin, alpha M (complement component 3 receptor 3 subunit)	205786_s_	Plasma M	other		3684	16409	25021	
KPNA4	1110058D	karyopherin alpha 4 (importin alpha 3)	209653_at	Nucleus	transporter		3840	16649	361959	
LTF	GIG12, HL	lactotransferrin	202018_s_	Extracellu	peptidase		4057	17002	301034	
MMP8	BB138268	matrix metalloproteinase 8 (neutrophil collagenase)	207329_at	Extracellu	peptidase		4317	17394	63849	
MPO	KIAA4033,	myeloperoxidase	203948_s_	Cytoplasm	enzyme		4353	17523	303413	
PRTN3	ACPA, AG	proteinase 3 (serine proteinase, neutrophil, Wegener granulomatosis autoantigen)	207341_at	Extracellu	peptidase		5657	19152	314615	
S100A9	60B8AG, A	S100 calcium binding protein A9 (calgranulin B)	203535_at	Cytoplasm	other		6280	20202	94195	
SERPINA1	A1-PI, A1A	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	211429_s_	Extracellu	other		5265	20700 2070	24648	
SERPINB1	1190005M	serpin peptidase inhibitor, clade B (ovalbumin), member 1	212268_at	Cytoplasm	other		1992	66222	291091	
SLPI	ALK1, ALP	secretory leukocyte peptidase inhibitor	203021_at	Cytoplasm	other		6590	20568	84386	
SOCS3	ATOD4, CI	suppressor of cytokine signaling 3	227697_at	Cytoplasm	other		9021	12702	89829	
SOS2	mSos1, Sc	son of sevenless homolog 2 (Drosophila)	217644_s_	Cytoplasm	other		6655	20663	85384	
SPI1	Dis-1, OF,	spleen focus forming virus (SFFV) proviral integration oncogene spi1	205312_at	Nucleus	transcriptic		6688	20375	366126	
STAT3	1110034C	signal transducer and activator of transcription 3 (acute-phase response factor)	208992_s_	Nucleus	transcriptic		6774	20848	25125	
TGFA	RATTGFA,	transforming growth factor, alpha	205016_at	Extracellu	growth fac		7039	21802	24827	

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ACOX1	ACO, ACO	acyl-Coenzyme A oxidase 1, palmitoyl	209600_s_	Cytoplasm	enzyme		51		11430		50681	
AP2B1	13000120	adaptor-related protein complex 2, beta 1 subunit	200615_s_	Cytoplasm	transporter		163		71770		140670	
BCL2A1	A1, A1-b, A	BCL2-related protein A1	205681_at	Cytoplasm	other		597	12044	1204		170929	
C5AR1	C5a, C5A	complement component 5a receptor 1	220088_at	Plasma M	G-protein c		728		12273		113959	
CAMP	CAP18, Cr	cathelicidin antimicrobial peptide	210244_at	Cytoplasm	other		820		12796		316010	
CD36	CD36 Anti	CD36 molecule (thrombospondin receptor)	242197_x_	Plasma M	other		948		12491	29184	499985	
CD55	CR, DAF, I	CD55 molecule, decay accelerating factor for complement (Cromer blood group)	201926_s_	Plasma M	other		1604		13136		64036	
CD59	16.3A5, A	CD59 molecule, complement regulatory protein	200985_s_	Plasma M	other		966		333883		25407	
CD63	C75951, L	CD63 molecule	200663_at	Plasma M	other		967		12512		29186	
CFLAR	C-FLIP, c-f	CASP8 and FADD-like apoptosis regulator	211316_x_	Cytoplasm	other		8837		12633		117279	
CTSG	CAT G, CA	cathepsin G	205653_at	Cytoplasm	peptidase		1511		13035		290257	
CYBB	C88302, C	cytochrome b-245, beta polypeptide (chronic granulomatous disease)	203922_s_	Cytoplasm	enzyme		1536		13058		66021	
DDEF1	AMAP1, A	development and differentiation enhancing factor 1	221039_s_	Plasma M	other		50807		13196		314961	
ELF2	2610036A	E74-like factor 2 (ets domain transcription factor)	243469_at	Nucleus	transcriptic		1998		69257		361944	
F5	Ac2-120, A	coagulation factor V (proaccelerin, labile factor)	204713_s_	Plasma M	other	drotrecogir	2153		14067		304929	
FPR1	fMLF-R, FI	formyl peptide receptor 1	205119_s_	Plasma M	G-protein c		2357		14293		292409	
FPRL1 (inc	ALXR, E3	formyl peptide receptor-like 1	210772_at	Plasma M	G-protein c		2358		14289		292413	
GAB2	A1463667,	GRB2-associated binding protein 2	238405_at	Cytoplasm	other		9846		14389		84477	
GBA	GBA1, GC	glucosidase, beta; acid (includes glucosylceramidase)	210589_s_	Cytoplasm	enzyme		2629		14466			
GRB10	5730571D	growth factor receptor-bound protein 10	209409_at	Plasma M	other		2887		14783		498416	
HGF	C230052L	hepatocyte growth factor (hepapoietin A; scatter factor)	209960_at	Extracellu	growth fac		3082		15234		24446	
JAK2	A1504024,	Janus kinase 2 (a protein tyrosine kinase)	1562031_ε	Cytoplasm	kinase		3717		16452		24514	
LYN	AA407514	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	202626_s_	Cytoplasm	kinase		4067		17096		81515	
MERTK	C-MER, E	c-mer proto-oncogene tyrosine kinase	206028_s_	Plasma M	kinase		10461		17289		65037	
NCF4	A1451400,	neutrophil cytosolic factor 4, 40kDa	205147_x_	Cytoplasm	enzyme		4689		17972		366956	
NUMB	B2 elemen	numb homolog (Drosophila)	236930_at	Plasma M	other		8650		18222		29419	
PICALM	AP180, CA	phosphatidylinositol binding clathrin assembly protein	239274_at	Cytoplasm	other		8301		233489		89816	
PRKCD	A1385711,	protein kinase C, delta	202545_at	Cytoplasm	kinase		5580		18753		170538	
PTPRC	B220, CD4	protein tyrosine phosphatase, receptor type, C	1569830_ε	Plasma M	phosphata		5788		19264		24699	
RALB	5730472O	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	202101_s_	Cytoplasm	enzyme		5899		64143		116546	
SIRPA	A1835480,	signal-regulatory protein alpha	202897_at	Plasma M	phosphata		140885		19261		25528	
STAT5B	STAT5	signal transducer and activator of transcription 5B	205026_at	Nucleus	transcriptic		6777		20851		25126	
THBS1	tbsp1, THE	thrombospondin 1	201110_s_	Extracellu	other		7057		21825		445442	
TNFAIP6	TNFIP6, T	tumor necrosis factor, alpha-induced protein 6	206026_s_	Extracellu	other		7130		21930		84397	
TXN	ADF, AW5	thioredoxin	216609_at	Cytoplasm	enzyme		7295		22166		116484	

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Name	Synonyms	Description	Affymetrix	Location	Family	Drugs	Entrez Ger	Entrez Ger	Entrez Gene	Gene ID for Rat
ACTR2	4921510D	ARP2 actin-related protein 2 homolog (yeast)	1558015_s	Plasma M	other		10097	66713	289820	
ANKS1A	ANKS1, Ar	ankyrin repeat and sterile alpha motif domain containing 1A	236781_at	Cytoplasr	other		23294	224650	309639	
ARPC4	20kDa, 53	actin related protein 2/3 complex, subunit 4, 20kDa	211672_s	Unknown	other		10093	68089	297518	
ARPC5	165kDa, 5	actin related protein 2/3 complex, subunit 5, 16kDa	237387_at	Cytoplasr	other		10092	67771	360854	
ASPH	2310005F	aspartate beta-hydroxylase	210896_s	Cytoplasr	enzyme		444	65973	312981	
BCL3	Al528691,	B-cell CLL/lymphoma 3	204908_s	Nucleus	transcriptic		602	12051		
C5AR1	C5a, C5a	complement component 5a receptor 1	220088_at	Plasma M	G-protein c		728	12273	113959	
CAMP	CAP18, Cr	cathelicidin antimicrobial peptide	210244_at	Cytoplasr	other		820	12796	316010	
CEBPA	C/EBP ALF	CCAAT/enhancer binding protein (C/EBP), alpha	204039_at	Nucleus	transcriptic		1050	12606	24252	
CSF2RA	CD116, CI	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	210340_s	Plasma M	transmemt	sargramos	1438	12982		
CSF3R	CD114, Cs	colony stimulating factor 3 receptor (granulocyte)	1553297_ε	Plasma M	transmemt	pegfilgrasti	1441	12986	298518	
CUGBP2	B230345P	CUG triplet repeat, RNA binding protein 2	234151_at	Unknown	other		10659	14007	29428	
DACH1	Al182278,	dachshund homolog 1 (Drosophila)	205472_s	Nucleus	transcriptic		1602	13134		
ENO1	0610008I1	enolase 1, (alpha)	217294_s	Cytoplasr	transcriptic		2023	13806	24333	
ENTPD1	2610206B	ectonucleoside triphosphate diphosphohydrolase 1	239701_at	Plasma M	enzyme		953	12495	64519	
FCGR1A	Al323638,	Fc fragment of IgG, high affinity Ia, receptor (CD64)	216950_s	Plasma M	transmemt		2209	14129	295279	
FOS	C-FOS, D1	v-fos FBJ murine osteosarcoma viral oncogene homolog	209189_at	Nucleus	transcriptic		2353	14281	314322	
G6PD	G28A, G6f	glucose-6-phosphate dehydrogenase	202275_at	Cytoplasr	enzyme		2539	14381	24377	
GCLM	Gamma gc	glutamate-cysteine ligase, modifier subunit	203925_at	Cytoplasr	enzyme		2730	14630	29739	
IL18R1	CDw218a,	interleukin 18 receptor 1	206618_at	Plasma M	transmemt		8809	16182	301365	
IL18RAP	ACPL, CD	interleukin 18 receptor accessory protein	207072_at	Plasma M	transmemt		8807	16174	301366 373540	
IL1A	IL-1, IL1-A	interleukin 1, alpha	208200_at	Extracellu	cytokine	IL-1 Trap	3552	16175	24493	
IL1R1	CD121A, C	interleukin 1 receptor, type I	202948_at	Plasma M	transmemt	anakinra	3554	16177	25663	
IL1R2	CD121b, C	interleukin 1 receptor, type II	205403_at	Plasma M	transmemt		7850	16178	117022	
IL1RN	F630041P	interleukin 1 receptor antagonist	216243_s	Extracellu	cytokine		3557	16181	60582	
ITGAM	C3 receptc	integrin, alpha M (complement component 3 receptor 3 subunit)	205786_s	Plasma M	other		3684	16409	25021	
LAMP2	CD107B, L	lysosomal-associated membrane protein 2	203041_s	Plasma M	enzyme		3920	16784	24944	
LTF	GIG12, HL	lactotransferrin	202018_s	Extracellu	peptidase		4057	17002	301034	
MPO	KIAA4033,	myeloperoxidase	203948_s	Cytoplasr	enzyme		4353	17523	303413	
NFKBIZ	Aa408868,	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	223217_s	Nucleus	transcriptic		64332	80859	304005	
ORM1	AGP, Agp-;	orosomucoid 1	205040_at	Extracellu	other		5004	18406		
PCNX	2900024E;	pecanex homolog (Drosophila)	213159_at	Unknown	other		22990	54604	314288	
S100A8	60B8AG, A	S100 calcium binding protein A8 (calgranulin A)	202917_s	Cytoplasr	other		6279	20201	116547	
S100A9	60B8AG, A	S100 calcium binding protein A9 (calgranulin B)	203535_at	Cytoplasr	other		6280	20202	94195	
SMA5		SMA5	215043_s	Unknown	other		11042			

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CD14	CD14 ANT	CD14 molecule	201743_at	Plasma M	transmemt		929		12475		60350	
CD36	CD36 Antiq	CD36 molecule (thrombospondin receptor)	242197_x_	Plasma M	other		948		12491		29184 499985	
CTSB	APPS, CA	cathepsin B	213275_x_	Cytoplasr	peptidase		1508		13030		64529	
CTSG	CAT G, CA	cathepsin G	205653_at	Cytoplasr	peptidase		1511		13035		290257	
ELA2	Ela2 (predi	elastase 2, neutrophil	206871_at	Extracellu	peptidase	proteinase	1991		50701		299606	
F5	Ac2-120, A	coagulation factor V (proaccelerin, labile factor)	204713_s_	Plasma M	other	drotrecogir	2153		14067		304929	
FCER1G	A1573376,	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	1554899_s_	Plasma M	transmemt		2207		14127		25441	
FCGR2A	CD16, CD	Fc fragment of IgG, low affinity IIa, receptor (CD32)	1565674_s_	Plasma M	transmemt		2212		14131		116591	
FES	A1586313,	feline sarcoma oncogene	205418_at	Cytoplasr	kinase		2242		14159		361597	
FOSL2	FLJ23306,	FOS-like antigen 2	218880_at	Nucleus	transcriptic		2355		14284		25446	
FPR1	fMLF-R, FI	formyl peptide receptor 1	205119_s_	Plasma M	G-protein c		2357		14293		292409	
GRN	acroganin	granulin	200678_x_	Extracellu	growth faci		2896		14824		29143	
HK3	HKIII, HKX	hexokinase 3 (white cell)	205936_s_	Cytoplasr	kinase		3101		212032		25060	
HP	Ba1-647, h	haptoglobin	208470_s_	Extracellu	peptidase		3240		15439		24464	
IQGAP1 (ii	AA682088	IQ motif containing GTPase activating protein 1	213446_s_	Cytoplasr	other		8826		29875		361598	
LCN2	24P3, AW2	lipocalin 2 (oncogene 24p3)	212531_at	Extracellu	transporter		3934		16819		170496	
LY96	ESOP-1, M	lymphocyte antigen 96	206584_at	Plasma M	other		23643		17087		448830	
MAPK1	9030612K	mitogen-activated protein kinase 1	242106_at	Cytoplasr	kinase		5594		26413		116590	
MAPK14	CRK1, CSI	mitogen-activated protein kinase 14	210449_x_	Cytoplasr	kinase	SCIO-469	1432		26416		81649	
MARCKS	80K-L, FLJ	myristoylated alanine-rich protein kinase C substrate	201668_x_	Plasma M	other		4082		17118		25603	
MKNK1	2410048M	MAP kinase interacting serine/threonine kinase 1	243256_at	Cytoplasr	kinase		8569		17346			
PI3	9230106L1	peptidase inhibitor 3, skin-derived (SKALP)	41469_at	Extracellu	other		5266		192201		408230	
PRTN3	ACPA, AGI	proteinase 3 (serine proteinase, neutrophil, Wegener granulomatosis autoantigen)	207341_at	Extracellu	peptidase		5657		19152		314615	
RAP1GAP	1300019I1	RAP1 GTPase activating protein	203911_at	Cytoplasr	other		5909		110351		313644	
RGR (inclu	MGC1196i	Ral-GDS related protein Rgr	235816_s_	Unknown	other		266747					
SERPINA1	A1-PI, A1A	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	202833_s_	Extracellu	other		5265		20700 2070		24648	
SERPINB1	1190005M	serpin peptidase inhibitor, clade B (ovalbumin), member 1	212268_at	Cytoplasr	other		1992		66222		291091	
SLPI	ALK1, ALP	secretory leukocyte peptidase inhibitor	203021_at	Cytoplasr	other		6590		20568		84386	
SPI1	Dis-1, OF,	spleen focus forming virus (SFFV) proviral integration oncogene spi1	205312_at	Nucleus	transcriptic		6688		20375		366126	
TGFA	RATTGFA,	transforming growth factor, alpha	205016_at	Extracellu	growth faci		7039		21802		24827	
THBS1	tbsp1, THE	thrombospondin 1	201110_s_	Extracellu	other		7057		21825		445442	
TIMP1	CLG1, EPA	TIMP metallopeptidase inhibitor 1	201666_at	Extracellu	other		7076		21857		116510	
TLR2	CD282, Ly	toll-like receptor 2	204924_at	Plasma M	transmemt		7097		24088		310553	
TLR4	CD284, H1	toll-like receptor 4	240948_at	Plasma M	transmemt	TAK-242	7099		21898		29260	
TLR5	FLJ10052,	toll-like receptor 5	210166_at	Plasma M	transmemt		7100		53791		289337	

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ACSL1	ACAS, Aca	acyl-CoA synthetase long-chain family member 1	207275_s_	Cytoplasr	enzyme		2180		14081		25288	
ALOX5	5 LIPOXYC	arachidonate 5-lipoxygenase	214366_s_	Cytoplasr	enzyme	TA 270 ,mε	240		11689		25290	
ALOX5AP	FLAP	arachidonate 5-lipoxygenase-activating protein	204174_at	Plasma M	other		241		11690		29624	
B4GALT5	9430078I0	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5	221484_at	Cytoplasr	enzyme		9334		56336		362275	
C1QA	AI255395,	complement component 1, q subcomponent, A chain	218232_at	Extracellu	other		712		12259		298566	
C1QB	C1q Beta-1	complement component 1, q subcomponent, B chain	202953_at	Extracellu	other		713		12260		29687	
C1QC	AI385742,	complement component 1, q subcomponent, C chain	225353_s_	Extracellu	other		714		12262		362634	
CEACAM1	bb-1, BGP,	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	211883_x_	Plasma M	transmemt		634		26365		81613	
CEACAM8	CD66B, CI	carcinoembryonic antigen-related cell adhesion molecule 8	206676_at	Plasma M	other		1088					
CEBPD	C/EBP DE	CCAAT/enhancer binding protein (C/EBP), delta	203973_s_	Nucleus	transcriptic		1052		12609		25695	
CITED2	AI835299,	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	207980_s_	Nucleus	transcriptic		10370		17684		114490	
CTSD	CATD, CA	cathepsin D (lysosomal aspartyl peptidase)	200766_at	Cytoplasr	peptidase		1509		13033		171293	
CUTL1	AA407197	cut-like 1, CCAAT displacement protein (Drosophila)	225937_at	Nucleus	transcriptic		1523		13047		116639	
DICER1	1110006FC	Dicer1, Dcr-1 homolog (Drosophila)	206061_s_	Cytoplasr	enzyme		23405		192119		299284	
HPSE	Hep, HEP/	heparanase	219403_s_	Plasma M	enzyme	heparanas	10855		15442		64537	
HSPA1B	70kDa, HE	heat shock 70kDa protein 1B	202581_at	Cytoplasr	other		3304		15511		24472	
IFNGR1	CD119, FL	interferon gamma receptor 1	242903_at	Plasma M	transmemt	interferon γ	3459		15979		116465	
IGF2R	AI661837,	insulin-like growth factor 2 receptor	201393_s_	Plasma M	transmemt		3482		16004		25151	
LMO2	Lmos2, MK	LIM domain only 2 (rhombotin-like 1)	231049_at	Nucleus	other		4005		16909		362176	
LRPAP1	A2MRAP, /	low density lipoprotein receptor-related protein associated protein 1	201186_at	Plasma M	transmemt		4043		16976		116565	
LTB4R	BLT, BLT1,	leukotriene B4 receptor	236172_at	Plasma M	G-protein c	etalocib	1241		16995		59264	
M6PRBP1	1300012C	mannose-6-phosphate receptor binding protein 1	202122_s_	Cytoplasr	other		10226		66905			
MAML3 (in	CAGH3, E	mastermind-like 3 (Drosophila)	232726_at	Nucleus	transcriptic		55534				310405	
MMP8	BB138268	matrix metallopeptidase 8 (neutrophil collagenase)	207329_at	Extracellu	peptidase		4317		17394		63849	
MMP9	AW743869	matrix metallopeptidase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	203936_s_	Extracellu	peptidase		4318		17395		81687	
PHC2	AA415044	polyhomeotic-like 2 (Drosophila)	1557852_ε	Nucleus	other		1912		54383		313038	
PKM2	AA414905	pyruvate kinase, muscle	201251_at	Cytoplasr	kinase		5315		18746		25630	
RARA	ALPHA RA	retinoic acid receptor, alpha	228037_at	Nucleus	ligand-dep	adapalene	5914		19401		24705	
RBPSUH	AI843960,	recombining binding protein suppressor of hairless (Drosophila)	211974_x_	Nucleus	transcriptic		3516		19664		297767	
SLC11A1 (	Bcg, Itg, ity	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	210423_s_	Plasma M	transporter		6556		18173		316519	
SLC2A3	AA408729	solute carrier family 2 (facilitated glucose transporter), member 3	202497_x_	Plasma M	transporter		6515		20527		25551	
SOD2	IPO-B, MC	superoxide dismutase 2, mitochondrial	215223_s_	Cytoplasr	enzyme		6648		20656		24787	
SP1	1110003E1	Sp1 transcription factor	1553685_ε	Nucleus	transcriptic		6667		20683		24790	
THBD	AI385582,	thrombomodulin	203887_s_	Plasma M	transmemt		7056		21824		83580	
TIMP2	CSC-21K,	TIMP metallopeptidase inhibitor 2	203167_at	Extracellu	other		7077		21858		29543	

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ANPEP	AMINOPEP	alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150)	202888_s_	Plasma	M peptidase		290		16790		81641	
ARF1	MGC7283	ADP-ribosylation factor 1	208750_s_	Cytoplasm	transporter		375		11840		64310	
BMX	ETK, Etk/E	BMX non-receptor tyrosine kinase	206464_at	Cytoplasm	kinase		660		12169		367786	
CBL	4732447J	Cas-Br-M (murine) ecotropic retroviral transforming sequence	229010_at	Nucleus	transcriptic		867		12402		500985	
CD63	C75951, L	CD63 molecule	200663_at	Plasma	M other		967		12512		29186	
DDEF1	AMAP1, A	development and differentiation enhancing factor 1	224796_at	Plasma	M other		50807		13196		314961	
DEFA1 (inc	DEF1, DE	defensin, alpha 1	205033_s_	Extracellu	other		1667					
ELF2	2610036A	E74-like factor 2 (ets domain transcription factor)	1558877_ε	Nucleus	transcriptic		1998		69257		361944	
ETV6	AW123102	ets variant gene 6 (TEL oncogene)	1561167_ε	Nucleus	transcriptic		2120		14011		312777	
FCAR	CD89, RG	Fc fragment of IgA, receptor for	211307_s_	Plasma	M other		2204				365183	
FFAR2	FFA2R, G	free fatty acid receptor 2	221345_at	Plasma	M G-protein c		2867		233079		292794	
FGR	C-FGR, F	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	208438_s_	Nucleus	kinase		2268		14191		79113	
GAB2	AI463667,	GRB2-associated binding protein 2	241004_at	Cytoplasm	other		9846		14389		84477	
GIT2	1500036H	G protein-coupled receptor kinase interactor 2	209876_at	Nucleus	other		9815		26431		304546	
HCK	AI849071,	hemopoietic cell kinase	208018_s_	Cytoplasm	kinase		3055		15162		25734	
HDAC4	4932408F	histone deacetylase 4	240870_at	Nucleus	transcriptic	PXD101 ,v	9759		208727		84579 363287	
IL10RB	6620401D	interleukin 10 receptor, beta	230631_s_	Plasma	M transmemt		3588		16155		304091	
IL13RA1	AI882074,	interleukin 13 receptor, alpha 1	201888_s_	Plasma	M transmemt	cintredekin	3597		16164		252963	
JAK2	AI504024,	Janus kinase 2 (a protein tyrosine kinase)	1562031_ε	Cytoplasm	kinase		3717		16452		24514	
KPNA4	1110058D	karyopherin alpha 4 (importin alpha 3)	209653_at	Nucleus	transporter		3840		16649		361959	
LYN	AA407514	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	239555_at	Cytoplasm	kinase		4067		17096		81515	
MAP3K2	9630061B	mitogen-activated protein kinase kinase kinase 2	221695_s_	Cytoplasm	kinase		10746		26405		171492	
MAPKAPK	AA960234	mitogen-activated protein kinase-activated protein kinase 2	201461_s_	Nucleus	kinase		9261		17164		289014	
MEF2A	A430079H	MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A)	239571_at	Nucleus	transcriptic		4205		17258		365630	
PILRA	AV021745,	paired immunoglobulin-like type 2 receptor alpha	222218_s_	Plasma	M other		29992		231805		288568	
PTPRC	B220, CD	protein tyrosine phosphatase, receptor type, C	1569830_ε	Plasma	M phosphata		5788		19264		24699	
PXN	AW108311	paxillin	211823_s_	Cytoplasm	other		5829		19303		360820	
RALB	5730472O	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	202101_s_	Cytoplasm	enzyme		5899		64143		116546	
REPS2	POB1, RG	RALBP1 associated Eps domain containing 2	227425_at	Unknown	other		9185		194590		363466	
SIRPA	AI835480,	signal-regulatory protein alpha	202896_s_	Plasma	M phosphata		140885		19261		25528	
SOCS3	ATOD4, CI	suppressor of cytokine signaling 3	206359_at	Cytoplasm	other		9021		12702		89829	
SOS2	mSos1, Sc	son of sevenless homolog 2 (Drosophila)	217644_s_	Cytoplasm	other		6655		20663		85384	
STAT3	1110034C	signal transducer and activator of transcription 3 (acute-phase response factor)	208992_s_	Nucleus	transcriptic		6774		20848		25125	
STAT5B	STAT5	signal transducer and activator of transcription 5B	205026_at	Nucleus	transcriptic		6777		20851		25126	
WNK1	6430573H:	WNK lysine deficient protein kinase 1	211992_at	Cytoplasm	kinase		65125		232341		116477	

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ABTB1	AI847549,	ankyrin repeat and BTB (POZ) domain containing 1	226442_at	Cytoplasm	translation		80325		80283		297432	
ACOX1	ACO, ACO	acyl-Coenzyme A oxidase 1, palmitoyl	213501_at	Cytoplasm	enzyme		51		11430		50681	
ANXA3	ANX3, LC3	annexin A3	209369_at	Cytoplasm	enzyme		306		11745		25291	
AP2B1	1300012O	adaptor-related protein complex 2, beta 1 subunit	200615_s_	Cytoplasm	transporter		163		71770		140670	
ARRB2	AI326910,	arrestin, beta 2	203388_at	Cytoplasm	other		409		216869		25388	
BCL2A1	A1, A1-b, A	BCL2-related protein A1	205681_at	Cytoplasm	other		597	12044	1204		170929	
BCL2L1	Bcl(X)L, Bc	BCL2-like 1	215037_s_	Cytoplasm	other		598		12048		24888	
BPGM	Ab2-098, A	2,3-bisphosphoglycerate mutase	203502_at	Unknown	phosphata		669		12183		296973	
CAPG	AFCP, GC	capping protein (actin filament), gelsolin-like	201850_at	Nucleus	other		822		12332		297339	
CCR1	CCL3 REC	chemokine (C-C motif) receptor 1	205099_s_	Plasma M	G-protein c		1230		12768		57301	
CFLAR	C-FLIP, c-f	CASP8 and FADD-like apoptosis regulator	211862_x_	Cytoplasm	other		8837		12633		117279	
CXCL16	0910001K	chemokine (C-X-C motif) ligand 16	223454_at	Extracellu	cytokine		58191		66102		497942	
EHD1	AA409636	EH-domain containing 1	209038_s_	Cytoplasm	other		10938		13660			
FKBP5	51kDa, D1	FK506 binding protein 5	204560_at	Nucleus	enzyme		2289		14229		361810	
FPRL1 (inc	ALXR, E3	formyl peptide receptor-like 1	210773_s_	Plasma M	G-protein c		2358		14289		292413	
GBA	GBA1, GC	glucosidase, beta; acid (includes glucosylceramidase)	209093_s_	Cytoplasm	enzyme		2629		14466			
GSK3B	7330414F	glycogen synthase kinase 3 beta	209945_s_	Nucleus	kinase	enzastaurii	2932		56637		84027	
HGF	C230052L	hepatocyte growth factor (hepapoietin A; scatter factor)	209960_at	Extracellu	growth fact		3082		15234		24446	
IGF1R	CD221, hy	insulin-like growth factor 1 receptor	203628_at	Plasma M	kinase	IGF1	3480		16001		25718	
IL8RA	C-C, C-C-C	interleukin 8 receptor, alpha	207094_at	Plasma M	G-protein c	repertaxin	3577		227288		54258	
IRS2	4PS	insulin receptor substrate 2	209184_s_	Cytoplasm	other		8660		384783		29376	
LDLR	FH, FHC, I	low density lipoprotein receptor (familial hypercholesterolemia)	202068_s_	Plasma M	transporter		3949		16835		300438	
NCF4	AI451400,	neutrophil cytosolic factor 4, 40kDa	205147_x_	Cytoplasm	enzyme		4689		17972		366956	
NFKBIA	AI462015,	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	201502_s_	Cytoplasm	other		4792		18035		25493	
NUMB	B2 elemen	numb homolog (Drosophila)	236930_at	Plasma M	other		8650		18222		29419	
PICALM	AP180, CA	phosphatidylinositol binding clathrin assembly protein	239274_at	Cytoplasm	other		8301		233489		89816	
PIK3CB	1110001J0	phosphoinositide-3-kinase, catalytic, beta polypeptide	217620_s_	Cytoplasm	kinase		5291		74769		85243	
PTEN	2310035O	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	242622_x_	Cytoplasm	phosphata		5728		19211		50557	
PTX3	AI607804,	pentraxin-related gene, rapidly induced by IL-1 beta	206157_at	Extracellu	other		5806		19288		116998	
RETN	ADSF, FIZ	resistin	220570_at	Extracellu	other		56729		57264		246250	
RTN4	1110020G	reticulon 4	243031_at	Cytoplasm	other		57142		68585		83765	
SRPK1	AU017960	SFRS protein kinase 1	202200_s_	Nucleus	kinase		6732		20815		361811	
TNFAIP6	TNFIP6, T	tumor necrosis factor, alpha-induced protein 6	206025_s_	Extracellu	other		7130		21930		84397	
TXN	ADF, AW5	thioredoxin	208864_s_	Cytoplasm	enzyme		7295		22166		116484	
UBE2D3	1100001F1	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	240383_at	Cytoplasm	enzyme		7323		66105		81920	