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Name	Synonyms	Description
CD14	CD14 ANTI	CD14 molecule
CEBPB	Agp/eb, C/i	CCAAT/enhancer binding protein (C/EBP), beta
CYP19A1	Ar, ArKO, A	cytochrome P450, family 19, subfamily A, polypeptide 1
IL1R1	CD121A, C	interleukin 1 receptor, type I
IL1R2	CD121b, C	interleukin 1 receptor, type II
JAK2	AI504024, J	Janus kinase 2 (a protein tyrosine kinase)
MAP2K6	MAPK KIN.	mitogen-activated protein kinase kinase 6
MAPK14	CRK1, CSE	mitogen-activated protein kinase 14
MAPKAPK	AA960234,	mitogen-activated protein kinase-activated protein kinase 2
NFKBIA	AI462015, I	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
SOS1	GF1, GGF	son of sevenless homolog 1 (Drosophila)
SOS2	mSos1, So	son of sevenless homolog 2 (Drosophila)
STAT3	1110034C0	signal transducer and activator of transcription 3 (acute-phase response factor)
TNFAIP6	TNFIP6, T	tumor necrosis factor, alpha-induced protein 6

Affymetrix	Location	Family	Drugs	Entrez Gen	Entrez Gen	Entrez Gen	Entrez Gen	Entrez Gen	Entrez Gen	Entrez Gen	Entrez Gene ID for Rat
201743_at	201743_at		1	2	Plasma Me	transmemb		929	12475	60350	
212501_at	--		2		Nucleus	transcriptio		1051	12608	24253	
203475_at	--		4		Cytoplasm	enzyme	atamestan	1588	13075	25147	
202948_at	202948_at	2, 7		1	Plasma Me	transmemb	anakinra	3554	16177	25663	
205403_at	205403_at		2	1	Plasma Me	transmemb		7850	16178	117022	
1562031_a	1562031_a		3	4	Cytoplasm	kinase		3717	16452	24514	
205698_s_	205698_s_		2	15	Cytoplasm	kinase		5608	26399	114495	
202530_at	210449_x_		2	2	Cytoplasm	kinase	SCIO-469	1432	26416	81649	
201461_s_	201461_s_		2	4	Nucleus	kinase		9261	17164	289014	
201502_s_	201502_s_		4	5	Cytoplasm	other		4792	18035	25493	
229261_at	229261_at		5	18	Cytoplasm	other		6654	20662	313845	
217644_s_	217644_s_		1	4	Cytoplasm	other		6655	20663	85384	
208992_s_	208992_s_		1	4	Nucleus	transcriptio		6774	20848	25125	
206026_s_	206025_s_		3	5	Extracellul	other		7130	21930	84397	

Upregulated_pathways

TAB 1-IL6 signaling Day 1

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Name	Synonyms	Description
CD14	CD14 ANT	CD14 molecule
LY96	ESOP-1, M	lymphocyte antigen 96
MAP2K6	MAPK KIN	mitogen-activated protein kinase kinase 6
MAPK14	CRK1, CS	mitogen-activated protein kinase 14
NFKBIA	AI462015,	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
PGLYRP1	MGC1268	peptidoglycan recognition protein 1
TLR2	CD282, Ly	toll-like receptor 2
TLR4	CD284, H1	toll-like receptor 4
TLR5	FLJ10052,	toll-like receptor 5
TLR8	MGC1195	toll-like receptor 8

Affymetrix	Location	Family	Drugs	Entrez Ger	Entrez Ger	Entrez Ger	Entrez Ger	Entrez Ger	Entrez Ger	Entrez Ger	Entrez Ger	Gene ID for Rat
201743_at	201743_at		1	2	Plasma Mε	transmemt		929	12475	60350		
206584_at	206584_at	2, 10		2	Plasma Mε	other		23643	17087	448830		
205698_s_	205698_s_		2	15	Cytoplasm	kinase		5608	26399	114495		
202530_at	210449_x_		2	2	Cytoplasm	kinase	SCIO-469	1432	26416	81649		
201502_s_	201502_s_		4	5	Cytoplasm	other		4792	18035	25493		
207384_at	207384_at				Plasma Mε	transmemt		8993	21946	84387		
204924_at	204924_at		2, 2, 22		Plasma Mε	transmemt		7097	24088	310553		
232068_s_	240948_at		2	2	Plasma Mε	transmemt	TAK-242	7099	21898	29260		
210166_at	210166_at		9	2	Plasma Mε	transmemt		7100	53791	289337		
220832_at	220832_at		10	17	Plasma Mε	transmemt	resiquimoc	51311	170744			

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Name	Synonyms	Description	Affymetrix	Location	Family	Drugs	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Gene ID for Rat
C1QA	AI255395,	complement component 1, q subcomponent, A chain	218232_at	218232_at		4	3	Extracellul	other		712	12259	298566					
C1QB	C1q Beta-1	complement component 1, q subcomponent, B chain	202953_at	202953_at		4	3	Extracellul	other		713	12260	29687					
C1QC	AI385742,	complement component 1, q subcomponent, C chain	225353_s_	225353_s_		4	3	Extracellul	other		714	12262	362634					
C3AR1	AZ3B, C3A	complement component 3a receptor 1	209906_at	209906_at		14	7	Plasma Me	G-protein c		719	12267	84007					
C5AR1	C5a, C5A	complement component 5a receptor 1	220088_at	220088_at		3	1	Plasma Me	G-protein c		728	12273	113959					
CD55	CR, DAF, I	CD55 molecule, decay accelerating factor for complement (Cromer blood group)	201926_s_	1555950_ε		3	9	Plasma Me	other		1604	13136	64036					
CD59	16.3A5, A7	CD59 molecule, complement regulatory protein	200985_s_	212463_at		3	9	Plasma Me	other		966	333883	25407					
CR1	C3b/C4b r	complement component (3b/4b) receptor 1 (Knops blood group)	239205_s_	206244_at		19	17	Plasma Me	other		1378	12946	54243					
F5	Ac2-120, A	coagulation factor V (proaccelerin, labile factor)	204713_s_	204713_s_		3	2	Plasma Me	other	drotrecogir	2153	14067	304929					
SERPINA1	A1-PI, A1A	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	211429_s_	202833_s_		1	2	Extracellul	other		5265	20700 207	24648					

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Name	Synonyms	Description
IL1R1	CD121A, C	interleukin 1 receptor, type I
IL1R2	CD121b, C	interleukin 1 receptor, type II
MAP2K6	MAPK KIN	mitogen-activated protein kinase 6
MAPK14	CRK1, CSI	mitogen-activated protein kinase 14
MAPKAPK	AA960234	mitogen-activated protein kinase-activated protein kinase 2
MEF2A	A430079H	MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A)
MKNK1	2410048M	MAP kinase interacting serine/threonine kinase 1

Affymetrix	Location	Family	Drugs	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Gene ID for Rat
202948_at	202948_at	2, 7		1	Plasma Mε	transmemt	anakinra	3554	16177	25663					
205403_at	205403_at		2	1	Plasma Mε	transmemt		7850	16178	117022					
205698_s_	205698_s_		2	15	Cytoplasm	kinase		5608	26399	114495					
202530_at	210449_x_		2	2	Cytoplasm	kinase	SCIO-469	1432	26416	81649					
201461_s_	201461_s_		2	4	Nucleus	kinase		9261	17164	289014					
208328_s_	239571_at		2	4	Nucleus	transcriptic		4205	17258	365630					
1560720_ε	243256_at		2	2	Cytoplasm	kinase		8569	17346						

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Name	Synonyms	Description	Affymetrix Location	Family	Drugs	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Gene ID for Rat
IL1R1	CD121A, C	interleukin 1 receptor, type I	202948_at	202948_at	2, 7	1	Plasma Membrane	transmembrane	anakinra	3554	16177	25663	
IL1R2	CD121b, C	interleukin 1 receptor, type II	205403_at	205403_at	2	1	Plasma Membrane	transmembrane		7850	16178	117022	
IRAK3	4833428C	interleukin-1 receptor-associated kinase 3	220034_at	220034_at	7	7	Unknown	kinase		11213	73914	314870	
MAP2K6	MAPK KIN	mitogen-activated protein kinase kinase 6	205698_s_	205698_s_	2	15	Cytoplasm	kinase		5608	26399	114495	
NFKBIA	AI462015,	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	201502_s_	201502_s_	4	5	Cytoplasm	other		4792	18035	25493	
TGFA	RATTGFA,	transforming growth factor, alpha	205016_at	205016_at	1	2	Extracellular	growth factor		7039	21802	24827	
TLR2	CD282, Ly	toll-like receptor 2	204924_at	204924_at	2, 2, 22		Plasma Membrane	transmembrane		7097	24088	310553	
TLR4	CD284, H1	toll-like receptor 4	232068_s_	240948_at	2	2	Plasma Membrane	transmembrane	TAK-242	7099	21898	29260	
TLR5	FLJ10052,	toll-like receptor 5	210166_at	210166_at	9	2	Plasma Membrane	transmembrane		7100	53791	289337	
TLR8	MGC1195,	toll-like receptor 8	220832_at	220832_at	10	17	Plasma Membrane	transmembrane	resiquimod	51311	170744		

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Name	Synonyms	Description	Affymetrix Location	Family	Drugs	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Gene ID for Rat
CCR1	CCL3 REC	chemokine (C-C motif) receptor 1	205099_s_	205099_s_	11	5	Plasma Membrane	G-protein coupled		1230	12768	57301		
CD14	CD14 ANT	CD14 molecule	201743_at	201743_at	1	2	Plasma Membrane	transmembrane		929	12475	60350		
IL10RB	6620401D	interleukin 10 receptor, beta	230632_at	230631_s_	1	4	Plasma Membrane	transmembrane		3588	16155	304091		
IL1R1	CD121A, C	interleukin 1 receptor, type I	202948_at	202948_at	2, 7	1	Plasma Membrane	transmembrane	anakinra	3554	16177	25663		
IL1R2	CD121b, C	interleukin 1 receptor, type II	205403_at	205403_at	2	1	Plasma Membrane	transmembrane		7850	16178	117022		
MAP2K6	MAPK KIN	mitogen-activated protein kinase 6	205698_s_	205698_s_	2	15	Cytoplasm	kinase		5608	26399	114495		
MAPK14	CRK1, CS	mitogen-activated protein kinase 14	202530_at	210449_x_	2	2	Cytoplasm	kinase	SCIO-469	1432	26416	81649		
NFKBIA	AI462015,	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	201502_s_	201502_s_	4	5	Cytoplasm	other		4792	18035	25493		
SOCS3	ATOD4, CI	suppressor of cytokine signaling 3	227697_at	206359_at	1	4	Cytoplasm	other		9021	12702	89829		
STAT3	1110034C	signal transducer and activator of transcription 3 (acute-phase response factor)	208992_s_	208992_s_	1	4	Nucleus	transcript		6774	20848	25125		

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Name	Synonyms	Description	Affymetrix Location	Family	Drugs	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Gene ID for Rat
BCL2A1	A1, A1-b, A	BCL2-related protein A1	205681_at	205681_at	3	5	Cytoplasm	other		597	12044	1120	170929	
CSF2RA	CD116, C	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	207085_x_	210340_s_	1	1	Plasma Membrane	transmembrane	sargramos	1438	12982			
HCK	A1849071,	hemopoietic cell kinase	208018_s_	208018_s_	1	4	Cytoplasm	kinase		3055	15162		25734	
JAK2	A1504024,	Janus kinase 2 (a protein tyrosine kinase)	1562031_ε	1562031_ε	3	4	Cytoplasm	kinase		3717	16452		24514	
LYN	AA407514	v-src-related tyrosine kinase 1 (Yamaguchi sarcoma viral related oncogene homolog)	202626_s_	239555_at	3	4	Cytoplasm	kinase		4067	17096		81515	
SOS1	GF1, GGF	son of sevenless homolog 1 (Drosophila)	229261_at	229261_at	5	18	Cytoplasm	other		6654	20662		313845	
STAT3	1110034C	signal transducer and activator of transcription 3 (acute-phase response factor)	208992_s_	208992_s_	1	4	Nucleus	transcription factor		6774	20848		25125	
STAT5B	STAT5	signal transducer and activator of transcription 5B	205026_at	205026_at	3	4	Nucleus	transcription factor		6777	20851		25126	

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Name	Synonyms	Description	Affymetrix Location	Family	Drugs	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Entrez Gene	Gene ID for Rat
BCL6	BCL5, Bcl6	B-cell CLL/lymphoma 6 (zinc finger protein 51)	203140_at	215990_s_	4	12	Nucleus	transcriptic			604	12053	303836	
BCL2A1	A1, A1-b, A1	BCL2-related protein A1	205681_at	205681_at	3	5	Cytoplasm	other			597	12044 120	170929	
GAB2	AI463667,	GRB2-associated binding protein 2	238405_at	241004_at	3	4	Cytoplasm	other			9846	14389	84477	
LYN	AA407514	v-src-related tyrosine kinase 1	202626_s_	239555_at	3	4	Cytoplasm	kinase			4067	17096	81515	
MAP2K6	MAPK KIN	mitogen-activated protein kinase kinase 6	205698_s_	205698_s_	2	15	Cytoplasm	kinase			5608	26399	114495	
MAPK14	CRK1, CS1	mitogen-activated protein kinase 14	202530_at	210449_x_	2	2	Cytoplasm	kinase	SCIO-469		1432	26416	81649	
NFKBIA	AI462015,	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	201502_s_	201502_s_	4	5	Cytoplasm	other			4792	18035	25493	
PIK3AP1	1810044JC	phosphoinositide-3-kinase adaptor protein 1	1554508_ε	1554508_at			Cytoplasm	other			118788	83490	294048	
PTEN	2310035O	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	242622_x_	242622_x_	4	5, 19	Cytoplasm	phosphata			5728	19211	50557	
PTPRC	B220, CD4	protein tyrosine phosphatase, receptor type, C	1569830_ε	1569830_ε	3	4	Plasma Membrane	phosphata			5788	19264	24699	
SOS1	GF1, GGF	son of sevenless homolog 1 (Drosophila)	229261_at	229261_at	5	18	Cytoplasm	other			6654	20662	313845	
SOS2	mSos1, Sc	son of sevenless homolog 2 (Drosophila)	217644_s_	217644_s_	1	4	Cytoplasm	other			6655	20663	85384	

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Name	Synonyms	Description
CD14	CD14 ANT	CD14 molecule
FOS	C-FOS, D1	v-fos FBJ murine osteosarcoma viral oncogene homolog
LY96	ESOP-1, M	lymphocyte antigen 96
MAP2K6	MAPK KIN	mitogen-activated protein kinase kinase 6
MAPK14	CRK1, CS	mitogen-activated protein kinase 14
NFKBIA	AI462015,	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
PGLYRP1	MGC12689	peptidoglycan recognition protein 1
TLR2	CD282, Ly	toll-like receptor 2
TLR4	CD284, H1	toll-like receptor 4
TLR5	FLJ10052,	toll-like receptor 5
TLR8	MGC11959	toll-like receptor 8

Affymetrix	Location	Family	Drugs	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Gene ID for Rat
201743_at	201743_at		1	2	Plasma Mε	transmemt		929	12475	60350					
--	209189_at		17	1	Nucleus	transcriptic		2353	14281	314322					
206584_at	206584_at	2, 10		2	Plasma Mε	other		23643	17087	448830					
205698_s_	205698_s_		2	15	Cytoplasm	kinase		5608	26399	114495					
202530_at	210449_x_		2	2	Cytoplasm	kinase	SCIO-469	1432	26416	81649					
201502_s_	201502_s_		4	5	Cytoplasm	other		4792	18035	25493					
207384_at	207384_at				Plasma Mε	transmemt		8993	21946	84387					
204924_at	204924_at		2	2, 22	Plasma Mε	transmemt		7097	24088	310553					
232068_s_	240948_at		2	2	Plasma Mε	transmemt	TAK-242	7099	21898	29260					
210166_at	210166_at		9	2	Plasma Mε	transmemt		7100	53791	289337					
220832_at	220832_at		10	17	Plasma Mε	transmemt	resiquimoc	51311	170744						

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Name	Synonyms	Description
CD14	CD14 ANT	CD14 molecule
FOS	C-FOS, D1	v-fos FBJ murine osteosarcoma viral oncogene homolog
LY96	ESOP-1, M	lymphocyte antigen 96
MAP2K6	MAPK KIN	mitogen-activated protein kinase kinase 6
MAPK14	CRK1, CS	mitogen-activated protein kinase 14
NFKBIA	AI462015,	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
PGLYRP1	MGC12689	peptidoglycan recognition protein 1
TLR2	CD282, Ly	toll-like receptor 2
TLR4	CD284, H1	toll-like receptor 4
TLR5	FLJ10052,	toll-like receptor 5
TLR8	MGC11959	toll-like receptor 8

Affymetrix	Location	Family	Drugs	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Gene ID for Rat
201743_at	201743_at		1	2	Plasma Mε	transmemt		929	12475	60350					
--	209189_at		17	1	Nucleus	transcriptic		2353	14281	314322					
206584_at	206584_at	2, 10		2	Plasma Mε	other		23643	17087	448830					
205698_s_	205698_s_		2	15	Cytoplasm	kinase		5608	26399	114495					
202530_at	210449_x_		2	2	Cytoplasm	kinase	SCIO-469	1432	26416	81649					
201502_s_	201502_s_		4	5	Cytoplasm	other		4792	18035	25493					
207384_at	207384_at				Plasma Mε	transmemt		8993	21946	84387					
204924_at	204924_at		2	2, 22	Plasma Mε	transmemt		7097	24088	310553					
232068_s_	240948_at		2	2	Plasma Mε	transmemt	TAK-242	7099	21898	29260					
210166_at	210166_at		9	2	Plasma Mε	transmemt		7100	53791	289337					
220832_at	220832_at		10	17	Plasma Mε	transmemt	resiquimoc	51311	170744						

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Name	Synonyms	Description	Affymetrix	Location	Family	Drugs	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Gene ID for Rat
C1QA	AI255395,	complement component 1, q subcomponent, A chain	218232_at	218232_at		4	3	Extracellul	other		712	12259	298566					
C1QB	C1q Beta-1	complement component 1, q subcomponent, B chain	202953_at	202953_at		4	3	Extracellul	other		713	12260	29687					
C1QC	AI385742,	complement component 1, q subcomponent, C chain	225353_s_	225353_s_		4	3	Extracellul	other		714	12262	362634					
C3AR1	AZ3B, C3A	complement component 3a receptor 1	209906_at	209906_at		14	7	Plasma Me	G-protein c		719	12267	84007					
C5AR1	C5a, C5A	complement component 5a receptor 1	220088_at	220088_at		3	1	Plasma Me	G-protein c		728	12273	113959					
CD55	CR, DAF, I	CD55 molecule, decay accelerating factor for complement (Cromer blood group)	201926_s_	1555950_ε		3	9	Plasma Me	other		1604	13136	64036					
CD59	16.3A5, A7	CD59 molecule, complement regulatory protein	200985_s_	212463_at		3	9	Plasma Me	other		966	333883	25407					
CR1	C3b/C4b r	complement component (3b/4b) receptor 1 (Knops blood group)	239205_s_	206244_at		19	17	Plasma Me	other		1378	12946	54243					
F5	Ac2-120, A	coagulation factor V (proaccelerin, labile factor)	204713_s_	204713_s_		3	2	Plasma Me	other	drotrecogir	2153	14067	304929					
SERPINA1	A1-PI, A1A	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	211429_s_	202833_s_		1	2	Extracellul	other		5265	20700 207	24648					
THBD	AI385582,	thrombomodulin	--	203887_s_at			3	Plasma Me	transmemt		7056	21824	83580					

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Name	Synonyms	Description
IL1A	IL-1, IL1-A	interleukin 1, alpha
IL1R1	CD121A, C	interleukin 1 receptor, type I
IL1R2	CD121b, C	interleukin 1 receptor, type II
MAP2K6	MAPK KIN	mitogen-activated protein kinase kinase 6
MAPK14	CRK1, CSI	mitogen-activated protein kinase 14
MAPKAPK	AA960234	mitogen-activated protein kinase-activated protein kinase 2
MEF2A	A430079H	MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A)
MKNK1	2410048M	MAP kinase interacting serine/threonine kinase 1

Affymetrix	Location	Family	Drugs	Entrez Ger	Entrez Ger	Entrez Ger	Entrez Ger	Entrez Ger	Entrez Ger	Entrez Gene ID for Rat
--	208200_at		17	1	Extracellul	cytokine	IL-1 Trap	3552	16175	24493
202948_at	202948_at	2, 7		1	Plasma Me	transmemt	anakinra	3554	16177	25663
205403_at	205403_at		2	1	Plasma Me	transmemt		7850	16178	117022
205698_s_	205698_s_		2	15	Cytoplasm	kinase		5608	26399	114495
202530_at	210449_x_		2	2	Cytoplasm	kinase	SCIO-469	1432	26416	81649
201461_s_	201461_s_		2	4	Nucleus	kinase		9261	17164	289014
208328_s_	239571_at		2	4	Nucleus	transcriptic		4205	17258	365630
1560720_ε	243256_at		2	2	Cytoplasm	kinase		8569	17346	

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Name	Synonyms	Description	Affymetrix	Location	Family	Drugs	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Gene ID for Rat
GSK3B	7330414F	glycogen synthase kinase 3 beta	--	209945_s_at			5	Nucleus	kinase	enzastauri		2932	56637	84027				
IL1A	IL-1, IL1-A	interleukin 1, alpha	--	208200_at		17	1	Extracellul	cytokine	IL-1 Trap		3552	16175	24493				
IL1R1	CD121A, C	interleukin 1 receptor, type I	202948_at	202948_at	2, 7		1	Plasma Me	transmemt	anakinra		3554	16177	25663				
IL1R2	CD121b, C	interleukin 1 receptor, type II	205403_at	205403_at		2	1	Plasma Me	transmemt			7850	16178	117022				
IRAK3	4833428C	interleukin-1 receptor-associated kinase 3	220034_at	220034_at		7	7	Unknown	kinase			11213	73914	314870				
MAP2K6	MAPK KIN	mitogen-activated protein kinase kinase 6	205698_s_	205698_s_		2	15	Cytoplasm	kinase			5608	26399	114495				
NFKBIA	AI462015,	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	201502_s_	201502_s_		4	5	Cytoplasm	other			4792	18035	25493				
PIK3CB	1110001J0	phosphoinositide-3-kinase, catalytic, beta polypeptide	--	217620_s_at			5	Cytoplasm	kinase			5291	74769	85243				
TGFA	RATTGFA,	transforming growth factor, alpha	205016_at	205016_at		1	2	Extracellul	growth fac			7039	21802	24827				
TLR2	CD282, Ly	toll-like receptor 2	204924_at	204924_at		2, 2, 22		Plasma Me	transmemt			7097	24088	310553				
TLR4	CD284, H1	toll-like receptor 4	232068_s_	240948_at		2	2	Plasma Me	transmemt	TAK-242		7099	21898	29260				
TLR5	FLJ10052,	toll-like receptor 5	210166_at	210166_at		9	2	Plasma Me	transmemt			7100	53791	289337				
TLR8	MGC11959	toll-like receptor 8	220832_at	220832_at		10	17	Plasma Me	transmemt	resiquimoc		51311	170744					

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Name	Synonyms	Description	Affymetrix	Location	Family	Drugs	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Gene ID for Rat
CCR1	CCL3 REC	chemokine (C-C motif) receptor 1	205099_s_	205099_s_	11	5	Plasma Mε	G-protein c			1230	12768	57301					
CD14	CD14 ANT	CD14 molecule	201743_at	201743_at	1	2	Plasma Mε	transmemt			929	12475	60350					
FCGR2A	CD16, CD:	Fc fragment of IgG, low affinity IIa, receptor (CD32)	--	1565674_at		2	Plasma Mε	transmemt			2212	14131	116591					
FOS	C-FOS, D1	v-fos FBJ murine osteosarcoma viral oncogene homolog	--	209189_at	17	1	Nucleus	transcriptic			2353	14281	314322					
IL10RB	6620401D	interleukin 10 receptor, beta	230632_at	230631_s_	1	4	Plasma Mε	transmemt			3588	16155	304091					
IL1A	IL-1, IL1-A	interleukin 1, alpha	--	208200_at	17	1	Extracellul:	cytokine	IL-1 Trap		3552	16175	24493					
IL1R1	CD121A, C	interleukin 1 receptor, type I	202948_at	202948_at	2, 7	1	Plasma Mε	transmemt	anakinra		3554	16177	25663					
IL1R2	CD121b, C	interleukin 1 receptor, type II	205403_at	205403_at	2	1	Plasma Mε	transmemt			7850	16178	117022					
MAP2K6	MAPK KIN	mitogen-activated protein kinase kinase 6	205698_s_	205698_s_	2	15	Cytoplasm	kinase			5608	26399	114495					
MAPK1	9030612K	mitogen-activated protein kinase 1	--	242106_at		2	Cytoplasm	kinase			5594	26413	116590					
MAPK14	CRK1, CS	mitogen-activated protein kinase 14	202530_at	210449_x_	2	2	Cytoplasm	kinase	SCIO-469		1432	26416	81649					
NFKBIA	A1462015,	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	201502_s_	201502_s_	4	5	Cytoplasm	other			4792	18035	25493					
SOCS3	ATOD4, CI	suppressor of cytokine signaling 3	227697_at	206359_at	1	4	Cytoplasm	other			9021	12702	89829					
SP1	1110003E1	Sp1 transcription factor	--	1553685_s_	16	3	Nucleus	transcriptic			6667	20683	24790					
STAT3	1110034C	signal transducer and activator of transcription 3 (acute-phase response factor)	208992_s_	208992_s_	1	4	Nucleus	transcriptic			6774	20848	25125					

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Name	Synonyms	Description	Affymetrix	Location	Family	Drugs	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Gene ID for Rat
BCL6	BCL5, Bcl6	B-cell CLL/lymphoma 6 (zinc finger protein 51)	203140_at	215990_s_		4	12	Nucleus	transcriptic		604	12053	303836			
BCL2A1	A1, A1-b, A	BCL2-related protein A1	205681_at	205681_at		3	5	Cytoplasm	other		597	12044 120	170929			
BCL2L1	Bcl(X)L, Bcl	BCL2-like 1	--	215037_s_at			5	Cytoplasm	other		598	12048	24888			
FCGR2A	CD16, CD16c	Fc fragment of IgG, low affinity IIa, receptor (CD32)	--	1565674_at			2	Plasma Membrane	transmembrane		2212	14131	116591			
GAB2	AI463667,	GRB2-associated binding protein 2	238405_at	241004_at		3	4	Cytoplasm	other		9846	14389	84477			
GSK3B	7330414F,	glycogen synthase kinase 3 beta	--	209945_s_at			5	Nucleus	kinase	enzastauri	2932	56637	84027			
LYN	AA407514	v-src-related tyrosine kinase 1	202626_s_	239555_at		3	4	Cytoplasm	kinase		4067	17096	81515			
MAP2K6	MAPK KIN	mitogen-activated protein kinase kinase 6	205698_s_	205698_s_		2	15	Cytoplasm	kinase		5608	26399	114495			
MAP3K2	9630061B,	mitogen-activated protein kinase kinase kinase 2	--	221695_s_at			4	Cytoplasm	kinase		10746	26405	171492			
MAPK1	9030612K,	mitogen-activated protein kinase 1	--	242106_at			2	Cytoplasm	kinase		5594	26413	116590			
MAPK14	CRK1, CS1,	mitogen-activated protein kinase 14	202530_at	210449_x_		2	2	Cytoplasm	kinase	SCIO-469	1432	26416	81649			
NFKBIA	AI462015,	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	201502_s_	201502_s_		4	5	Cytoplasm	other		4792	18035	25493			
PIK3AP1	1810044J,	phosphoinositide-3-kinase adaptor protein 1	1554508_ε	1554508_at				Cytoplasm	other		118788	83490	294048			
PIK3CB	1110001J,	phosphoinositide-3-kinase, catalytic, beta polypeptide	--	217620_s_at			5	Cytoplasm	kinase		5291	74769	85243			
PTEN	2310035O,	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	242622_x_	242622_x_		4	5, 19	Cytoplasm	phosphata		5728	19211	50557			
PTPRC	B220, CD140	protein tyrosine phosphatase, receptor type, C	1569830_ε	1569830_ε		3	4	Plasma Membrane	phosphata		5788	19264	24699			
SOS1	GF1, GGF	son of sevenless homolog 1 (Drosophila)	229261_at	229261_at		5	18	Cytoplasm	other		6654	20662	313845			
SOS2	mSos1, Sc	son of sevenless homolog 2 (Drosophila)	217644_s_	217644_s_		1	4	Cytoplasm	other		6655	20663	85384			

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Name	Synonyms	Description	Affymetrix	Location	Family	Drugs	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Gene ID for Rat
BCL2A1	A1, A1-b, A	BCL2-related protein A1	205681_at	205681_at		3	5	Cytoplasm	other		597	12044	1120		170929	
BCL2L1	Bcl(X)L, Bc	BCL2-like 1	--	215037_s_at			5	Cytoplasm	other		598	12048			24888	
CSF2RA	CD116, C	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	207085_x_	210340_s_		1	1	Plasma M	transmemk	sargramos	1438	12982				
HCK	A1849071,	hemopoietic cell kinase	208018_s_	208018_s_		1	4	Cytoplasm	kinase		3055	15162			25734	
JAK2	A1504024,	Janus kinase 2 (a protein tyrosine kinase)	1562031_ε	1562031_ε		3	4	Cytoplasm	kinase		3717	16452			24514	
LYN	AA407514	v-src-1 Yamaguchi sarcoma viral related oncogene homolog	202626_s_	239555_at		3	4	Cytoplasm	kinase		4067	17096			81515	
MAPK1	9030612K	mitogen-activated protein kinase 1	--	242106_at			2	Cytoplasm	kinase		5594	26413			116590	
PIK3CB	1110001J0	phosphoinositide-3-kinase, catalytic, beta polypeptide	--	217620_s_at			5	Cytoplasm	kinase		5291	74769			85243	
SOS1	GF1, GGF	son of sevenless homolog 1 (Drosophila)	229261_at	229261_at		5	18	Cytoplasm	other		6654	20662			313845	
STAT3	1110034C	signal transducer and activator of transcription 3 (acute-phase response factor)	208992_s_	208992_s_		1	4	Nucleus	transcriptic		6774	20848			25125	
STAT5B	STAT5	signal transducer and activator of transcription 5B	205026_at	205026_at		3	4	Nucleus	transcriptic		6777	20851			25126	

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Name	Synonyms	Description
CITED2	AI835299,	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2
FOS	C-FOS, D1	v-fos FBJ murine osteosarcoma viral oncogene homolog
IL1A	IL-1, IL1-A	interleukin 1, alpha
IL1R1	CD121A, C	interleukin 1 receptor, type I
IL1R2	CD121b, C	interleukin 1 receptor, type II
MAPK1	9030612K	mitogen-activated protein kinase 1
NFKBIA	AI462015,	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
SOS1	GF1, GGF	son of sevenless homolog 1 (Drosophila)
SOS2	mSos1, Sc	son of sevenless homolog 2 (Drosophila)
STAT5B	STAT5	signal transducer and activator of transcription 5B

Affymetrix	Location	Family	Drugs	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Gene ID for Rat
--	207980_s_at			3	Nucleus	transcriptic		10370	17684	114490					
--	209189_at	17		1	Nucleus	transcriptic		2353	14281	314322					
--	208200_at	17		1	Extracellul	cytokine	IL-1 Trap	3552	16175	24493					
202948_at	202948_at	2, 7		1	Plasma Me	transmemt	anakinra	3554	16177	25663					
205403_at	205403_at		2	1	Plasma Me	transmemt		7850	16178	117022					
--	242106_at			2	Cytoplasm	kinase		5594	26413	116590					
201502_s_	201502_s_		4	5	Cytoplasm	other		4792	18035	25493					
229261_at	229261_at		5	18	Cytoplasm	other		6654	20662	313845					
217644_s_	217644_s_		1	4	Cytoplasm	other		6655	20663	85384					
205026_at	205026_at		3	4	Nucleus	transcriptic		6777	20851	25126					

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Name	Synonyms	Description	Affymetrix	Location	Family	Drugs	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Gene ID for Rat
FOXO3A (i	1110048B1	forkhead box O3A	--	224889_at			23	Nucleus	transcriptic			2309	56484	294515		
GRB10	5730571D	growth factor receptor-bound protein 10	209409_at	215248_at		3 11, 19		Plasma Me	other			2887	14783	498416		
GSK3B	7330414F	glycogen synthase kinase 3 beta	--	209945_s_at			5	Nucleus	kinase	enzastaurii		2932	56637	84027		
IRS2	4PS	insulin receptor substrate 2	--	209184_s_at			5	Cytoplasm	other			8660	384783	29376		
JAK2	AI504024,	Janus kinase 2 (a protein tyrosine kinase)	1562031_ε	1562031_ε		3	4	Cytoplasm	kinase			3717	16452	24514		
MAPK1	9030612K	mitogen-activated protein kinase 1	--	242106_at			2	Cytoplasm	kinase			5594	26413	116590		
PIK3CB	1110001J0	phosphoinositide-3-kinase, catalytic, beta polypeptide	--	217620_s_at			5	Cytoplasm	kinase			5291	74769	85243		
PPP1R3D	2610024M	protein phosphatase 1, regulatory subunit 3D	204554_at	204555_s_		18	40	Unknown	phosphata			5509	228966			
PTEN	2310035O	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	242622_x_	242622_x_		4 5, 19		Cytoplasm	phosphata			5728	19211	50557		
SOCS3	ATOD4, CI	suppressor of cytokine signaling 3	227697_at	206359_at		1	4	Cytoplasm	other			9021	12702	89829		
SOS1	GF1, GGF	son of sevenless homolog 1 (Drosophila)	229261_at	229261_at		5	18	Cytoplasm	other			6654	20662	313845		
SOS2	mSos1, Sc	son of sevenless homolog 2 (Drosophila)	217644_s_	217644_s_		1	4	Cytoplasm	other			6655	20663	85384		

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Name	Synonyms	Description	Affymetrix	Location	Family	Drugs	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Gene ID for Rat
FOS	C-FOS, D1	v-fos FBJ murine osteosarcoma viral oncogene homolog	--	209189_at		17	1	Nucleus	transcriptic			2353	14281			314322
FOXO3A (i	1110048B1	forkhead box O3A	--	224889_at			23	Nucleus	transcriptic			2309	56484			294515
GRB10	5730571D	growth factor receptor-bound protein 10	209409_at	215248_at		3 11, 19		Plasma M	other			2887	14783			498416
IGF1R	CD221, hy	insulin-like growth factor 1 receptor	--	203628_at			5	Plasma M	kinase	IGF1		3480	16001			25718
IRS2	4PS	insulin receptor substrate 2	--	209184_s_at			5	Cytoplasm	other			8660	384783			29376
MAPK1	9030612K	mitogen-activated protein kinase 1	--	242106_at			2	Cytoplasm	kinase			5594	26413			116590
PIK3CB	1110001J0	phosphoinositide-3-kinase, catalytic, beta polypeptide	--	217620_s_at			5	Cytoplasm	kinase			5291	74769			85243
PXN	AW108311	paxillin	211823_s_	211823_s_		4	4	Cytoplasm	other			5829	19303			360820
SOS1	GF1, GGF	son of sevenless homolog 1 (Drosophila)	229261_at	229261_at		5	18	Cytoplasm	other			6654	20662			313845
SOS2	mSos1, Sc	son of sevenless homolog 2 (Drosophila)	217644_s_	217644_s_		1	4	Cytoplasm	other			6655	20663			85384

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Name	Synonyms	Description	Affymetrix	Location	Family	Drugs	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Ger	Entrez	Gene ID for Rat
ACTB		Actin beta, actin, beta	--	AFFX-HSAC07/X0035			10	Cytoplasm	other			60	11461					81822
ACTN1	3110023F1	actinin, alpha 1	--	208637_x_at			6	Cytoplasm	other			87	109711					81634
ARF1	MGC72830	ADP-ribosylation factor 1	--	208750_s_at			4	Cytoplasm	transporter			375	11840					64310
ARHGAP2	1810044B	Rho GTPase activating protein 26	--	244548_at			18	Cytoplasm	other			23092	71302					307459
ARPC4	20kDa, 53	actin related protein 2/3 complex, subunit 4, 20kDa	--	211672_s_at			1	Unknown	other			10093	68089					297518
ARPC5	165kDa, 5	actin related protein 2/3 complex, subunit 5, 16kDa	--	237387_at			1	Cytoplasm	other			10092	67771					360854
DDEF1	AMAP1, A	development and differentiation enhancing factor 1	221039_s_	224796_at		3	4	Plasma M	other			50807	13196					314961
GSK3B	7330414F	glycogen synthase kinase 3 beta	--	209945_s_at			5	Nucleus	kinase	enzastaurii		2932	56637					84027
ITGA7	alpha7, FL	integrin, alpha 7	216331_at	216331_at		15	9	Plasma M	other			3679	16404					81008
MAPK1	9030612K	mitogen-activated protein kinase 1	--	242106_at			2	Cytoplasm	kinase			5594	26413					116590
PIK3CB	1110001J0	phosphoinositide-3-kinase, catalytic, beta polypeptide	--	217620_s_at			5	Cytoplasm	kinase			5291	74769					85243
PTEN	2310035O	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	242622_x_	242622_x_		4 5, 19		Cytoplasm	phosphata			5728	19211					50557
PXN	AW108311	paxillin	211823_s_	211823_s_		4	4	Cytoplasm	other			5829	19303					360820
RALB	5730472O	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	202101_s_	202101_s_		3	4	Cytoplasm	enzyme			5899	64143					116546
RHOG	ARHG, MC	ras homolog gene family, member G (rho G)	--	203175_at			20	Cytoplasm	enzyme			391	56212					308875
SOS1	GF1, GGF	son of sevenless homolog 1 (Drosophila)	229261_at	229261_at		5	18	Cytoplasm	other			6654	20662					313845
SOS2	mSos1, Sc	son of sevenless homolog 2 (Drosophila)	217644_s_	217644_s_		1	4	Cytoplasm	other			6655	20663					85384
TLN1	ILWEQ, Kl	talin 1	203254_s_	203254_s_		4	21	Plasma M	other			7094	21894					313494
VASP	Vasp (pred	vasodilator-stimulated phosphoprotein	202205_at	202205_at		13 6, 21		Plasma M	other			7408	22323					361517
ZYX	9530098H	zyxin	215706_x_	200808_s_		13	6	Plasma M	other			7791	22793					114636

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