

PROTEOMICS

Supporting Information for Proteomics

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Modeling a whole organ using proteomics: The avian bursa of Fabricius

Supporting Text:

Determining Tissue Expression Patterns for Transcription Factors.

We identified 107 transcription factors (TFs) from post-hatch bursas. Since the Transfac database (1) did not contain all of these TFs, we used PubMed literature searches to determine expression patterns for each. For each transcription factor, we searched PubMed for a combination of the protein and gene names, as determined by both NCBI and UniProt records. For example, Pax7 (gi:2576239; UniProt O42349) was searched as both PAX7 and Pax-7. In each case, articles were manually searched to confirm TF expression.

We combined the TF names with the following terms to obtain reported tissue expression patterns:

1. Expression in the bursa.

AND bursa* OR DT40

eg. (Pax7 OR “Pax-7”) AND (bursa* OR DT40) returned no items.

2. Expression in immune tissue.

AND lymphocyte* OR leukocyte* OR “bone marrow” OR spleen OR “embryonic liver” OR hematopoietic

eg. (Pax7 OR “Pax-7”) AND (lymphocyte* OR leukocyte* OR “bone marrow” OR spleen OR “embryonic liver” OR hematopoietic) returned 17 articles.

3. Expression during development.

AND development OR embryo*

eg. (Pax7 OR “Pax-7”) AND (development OR embryo*) returned 135 articles.

4. Expression in nervous tissue.

AND neuron* OR nervous OR CNS OR retina*

eg. (Pax7 OR “Pax-7”) AND (neuron* OR nervous OR CNS OR retina*) returned 53 articles.

5. Expression in B-cells.

For each TF identified from B-cells we also searched to determine if it had been previously reported specifically in B-cells using AND (B-cell* OR B-lymphocyte*)

eg. (Pax7 OR “Pax-7”) AND (B-cell* OR B-lymphocyte*) returned 2 articles.

REFERENCES

1. Wingender, E., Chen, X., Fricke, E., Geffers, R., Hehl, R., Liebich, I., Krull, M., Matys, V., Michael, H., Ohnhauser, R., *et al.* (2001) *Nucleic Acids Res* 29, 281-3.

FIGURE LEGENDS FOR SUPPORTING DATA

Supporting Data: Fig 7. Bursal Membrane Proteins Grouped by Number of Transmembrane Domain.

The number of transmembrane domains (TMD) for each membrane protein was determined either by their UniProt record or by using TMD prediction programs, as described (methods). Proteins classified by GO cellular component as membrane (GO:0016020) which do not contain TMDs are classified as membrane associated.

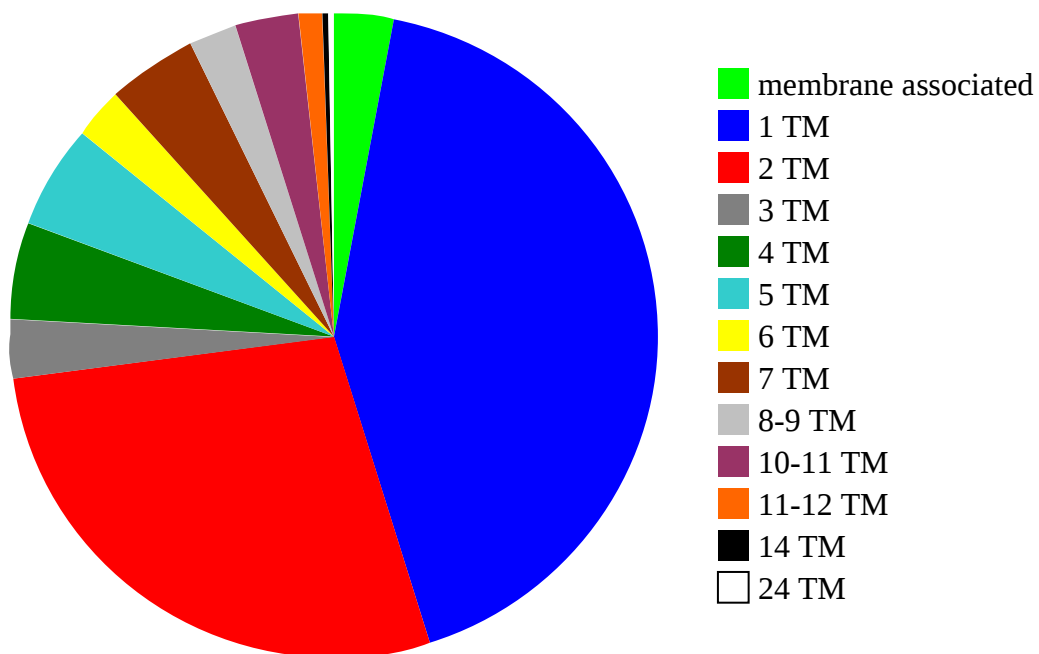
Supporting Data: Fig 8. Bursal membrane proteins grouped by function.

To determine function, bursal membrane proteins were annotated to the GO biological process ontology. The same GO terms are used to compare function of B-cell membrane proteins with stromal membrane proteins.

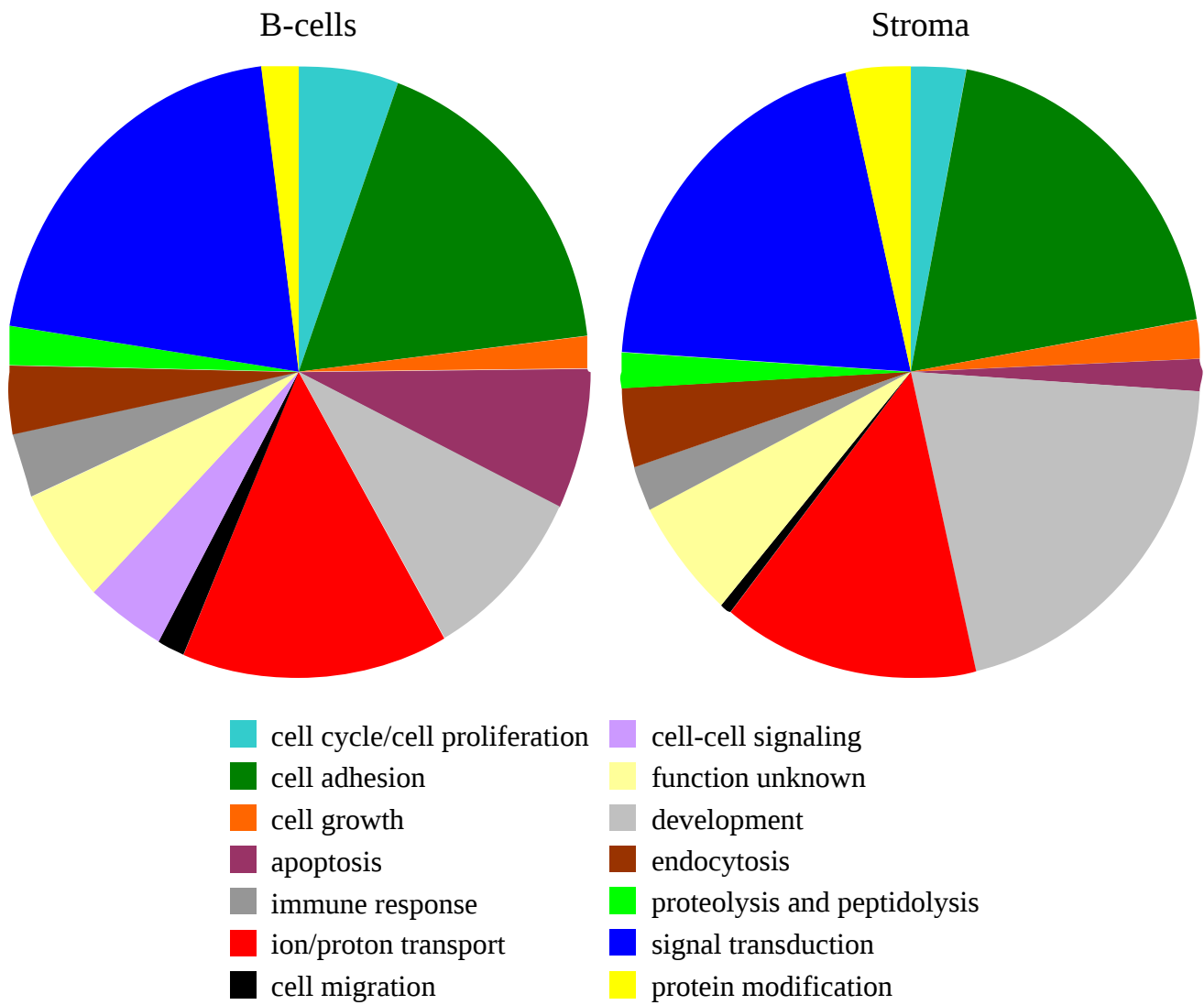
Supporting Data: Fig 9. Bursal nuclear proteins grouped by function.

The function of nuclear proteins was determined by annotating to GO biological process terms. A graphical representation of nuclear protein function in both B-cell and stroma is shown.

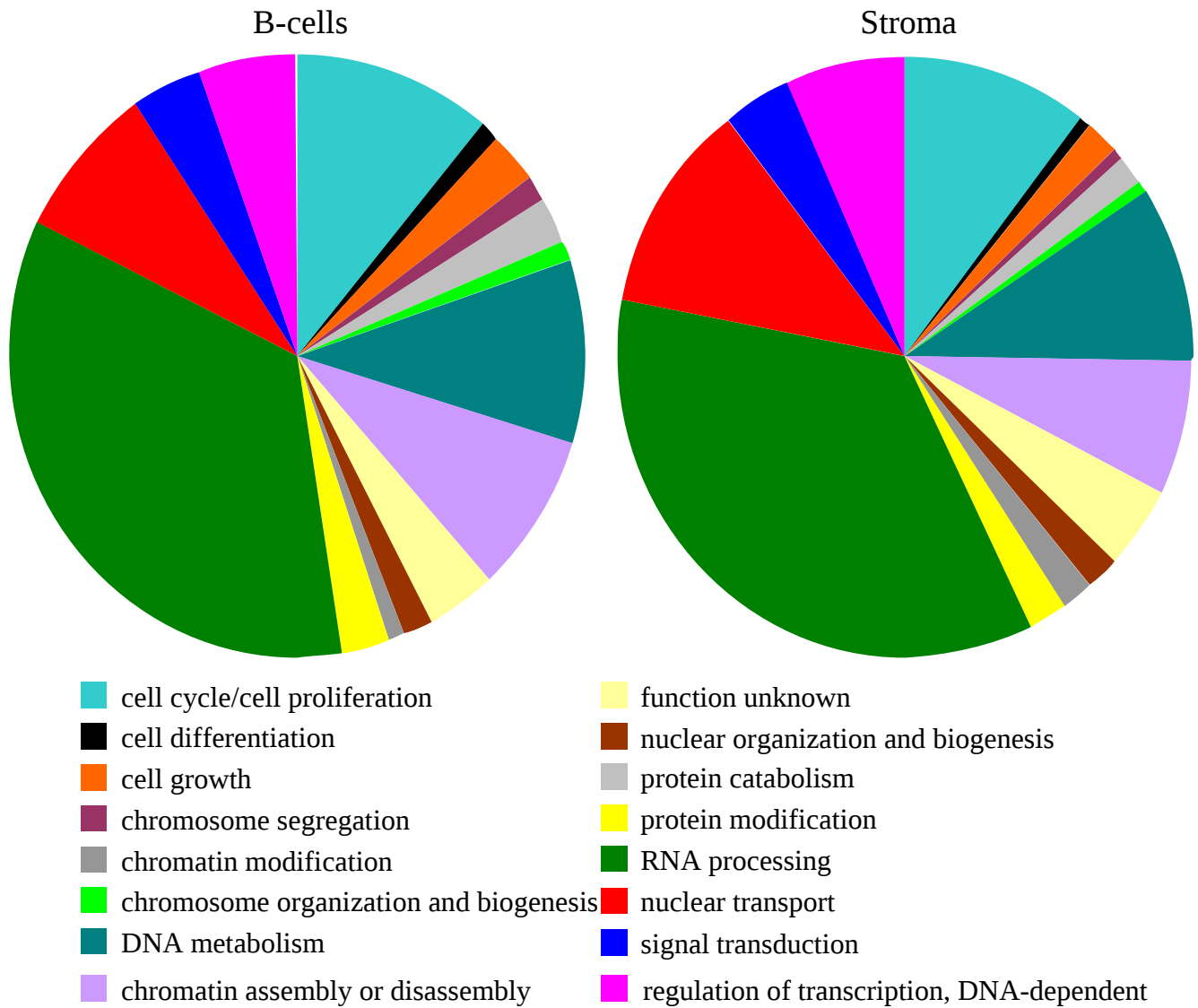
Supporting Data: Fig 7.



Supporting Data: Fig 8.



Supporting Data: Fig 9.



SUPPORTING DATA: TABLES

Supporting Data: Table 3. AvDB Proteins Identified from the Post-hatch Bursa.

Proteins and their gi accession numbers are listed along with their identified tissue compartment (B = B-cell; S = stroma; BS = both tissues).

Sample	GI#	Protein
B	45382191	17.5
B	45384406	17-beta-hydroxysteroid dehydrogenase type IV
B	1944138	2',5'-oligo adenylate synthetase A
B	2981301	25-hydroxyvitamin D3 24-hydroxylase
B	4033392	78 kDa glucose-regulated protein (GRP 78)
B	6980689	A Chain A, Histone Octamer (CHICKen), Chromosomal Protein
B	4566743	A3 adenosine receptor
B	7512224	A41724 limb deformity (ld) protein (formin)
B	280735	A60392 zinc finger protein Zfb
B	3355757	ABC transporter protein; P-glycoprotein
B	543753	Acetylcholinesterase (AChE)
B	52138697	Acetylglucosaminyltransferase-like protein
B	24637100	Aconitase
B	4501881	Actin ; alpha skeletal muscle actin
B	104520	Actin beta, cytosolic
B	1168326	Actin, aortic smooth muscle (Alpha-actin)
B	4501889	Actin, gamma 2 propeptide; actin, alpha-3
B	4501885	Actin; beta cytoskeletal actin
B	131636	Adenylosuccinate lyase (Adenylosuccinase)
B	114128	ADP-ribosylation factor 6
B	13430373	AF348088_1aryl hydrocarbon receptor nuclear translocator
B	399020	AGRI_CHICK Agrin
B	56744182	Akhirin
B	45383031	Aldehyde dehydrogenase 1A1
B	14330324	Aldo-keto reductase
B	47933930	Alpha 1-acid glycoprotein
B	27657305	Alpha 3 glucosyltransferase
B	63082	Alpha8 subunit of nicotinic acetylcholine receptor
B	631001	Alpha-N-acetylgalactosaminidase
B	131608	Amidophosphoribosyltransferase
B	5689722	aminopeptidase
B	45382361	Aminopeptidase Ey
B	987866	AMPA receptor GluR4/D
B	10120280	angiopoietin-2A
B	114013	Apolipoprotein B
B	2352033	Apoptosis associated protein (BAD homolog)
B	2506217	Apoptosis regulator bcl-x
B	1478410	Arginine vasotocin receptor, AVT receptor
B	258405	Arginine-specific ADP-ribosyltransferase target protein
B	104642	Aromatase cytochrome P450 19
B	19343352	Aryl hydrocarbon receptor
B	18203648	ATA3_CHICK Sarcoplasmic/endoplasmic reticulum calcium ATPase 3 (Calcium pump)
B	18028983	ATP-binding cassette transporter 1
B	113862	Atrial natriuretic factor (ANF)
B	3551531	Avena
B	10719897	Axin (Axis inhibition protein)
B	12082811	B cell phosphoinositide 3-kinase adaptor
B	28200457	Bcl-2 related anti-apoptotic protein (NR13)
B	45382663	Bcl-2-related ovarian killer (BOK)

B	2147144	Beta 8 integrin
B	1706654	Beta enolase (2-phospho-D-glycerate hydro-lyase)
B	27734460	Beta-1,3-N-acetylglucosaminyltransferase radical fringe
B	1352061	Beta-2-microglobulin
B	33186751	Beta3-glucuronyltransferase
B	63018	beta-actin
B	45382773	Beta-synuclein
B	30348610	BMP/retinoic acid-inducible neural-specific
B	19568157	Breast cancer susceptibility protein
B	996018	BRG1 protein
B	996020	BRM protein
B	19909956	Bruno-like RNA binding protein
B	65324	brush border myosin IB
B	86206	Ca2+transporting ATPase SERCA2a
B	3023428	CADA_CHICK Cadherin-10
B	13431348	Cadherin-6
B	32967298	Calcineurin A alpha
B	2493451	Calpain 2, large
B	2493453	Calpain 3 large subunit
B	38073296	Carbamyl phosphate synthetase 1
B	19071560	Carboxypeptidase Z
B	42742275	cartilage associated protein
B	46237616	Casein kinase 2, beta subunit
B	3450875	Caspase-3
B	46487963	Cathelicidin
B	11559418	Caudal-type homeodomain protein
B	45384468	C-Delta-1
B	16930529	CDH1-D
B	2462299	Cellular retinoic acid binding protein type I
B	2737971	CFR-associated protein p70 [MASS=83
B	3660379	Chain D, Stigmatellin And Antimycin Bound Cytochrome Bc1 Complex
B	15076564	ChB1
B	23452381	checkpoint 1 protein
B	3318707	CHICKen B-Myb Dna Binding Domain
B	2780916	CHICKen Src Tyrosine Kinase
B	15341176	Choline acetyltransferase
B	6644332	CHPPR/KIAA0009 protein
B	25301665	Chromatin assembly factor-1 p48 subunit homolog, p46
B	45384402	Chromo-helicase-DNA-binding on the Z chromosome
B	5725448	CHUNK-1 protein
B	515105	Citrate Synthase
B	22023892	class IV POU-domain transcription factor Brn-3.2
B	3036838	CNKx-2.3
B	2134315	Cnot protein
B	13241978	CocoaCrisp
B	104582	Cofilin
B	26801170	Cohesin complex subunit
B	27437030	colony stimulating factor 2 - human
B	34305301	Connexin 32
B	20138050	CP26_CHICK Cytochrome P450 26 (Retinoic acid degradi
B	912987	C-ret proto-oncogene product receptor tyrosine kinase

B	1236281	C-Serate-1 protein
B	2313049	C-Serrate-2
B	19262916	Cytochrome P-450
B	29149953	cytochrome-c oxidase subunit III
B	19571788	Cytokine receptor-beta
B	6980692	D Chain D, Histone Octamer (CHICKen), Chromosomal Protein
B	18643132	Dachshund 1
B	31322662	Death domain-containing TNFR23
B	14043015	Death receptor 6
B	7021380	Defender against cell death 1
B	4469173	Delta-9 desaturase
B	7634804	Deltex 2
B	21320894	D-erythrulose reductase
B	6685380	DGCR6 PROTEIN (DIGEORGE SYNDROME CRITICAL REGION 6 HOMOLOG
B	45383700	diaphanous homolog 2
B	15778121	DNA ligase IV
B	26983954	DNA polymerase kappa
B	13959708	DNA topoisomerase II,
B	45382811	DNA-dependent protein kinase catalytic subunit
B	25513801	DR6
B	461969	DSL1_CHICK Dorsalin-1 (DSL-1)
B	6065857	dynactin
B	6478775	Dynamitin
B	2494226	E2F1 TRANSCRIPTION FACTOR E2F1 (E2F-1)
B	3417246	EAST protein
B	31747199	ELAV-type RNA-binding protein 3
B	50953500	Ellis-van Creveld syndrome 2-like protein
B	1079403	Embryo kinase 5
B	119359	Endoplasmic (Heat shock 108 kDa protein) (HSP108)
B	2462302	Eph-like receptor tyrosine kinase
B	1706627	Ephrin type-A receptor 5
B	1706677	Ephrin-A5 (EPH-related receptor tyrosine kinase ligand 7)
B	41327732	Epidermal growth factor receptor b
B	45382171	Estrogen receptor beta
B	10178878	Eukaryote initiation factor 2 beta
B	45382429	Ezrin
B	115579	F-actin capping protein alpha-2 subunit
B	9931640	Fas antigen
B	9931642	Fas ligand receptor soluble form (Fas)
B	1345958	Fatty acid synthase
B	15778123	FEN-1 nuclease
B	4512022	Fibroblast growth factor 13
B	48976045	fibroblast growth factor 13
B	40645481	fibroblast growth factor 19
B	32127533	fibroblast growth factor receptor-like protein
B	21666287	FIP-2
B	4837645	Flik protein
B	3913839	FORKHEAD BOX PROTEIN D3 (HNF3/FH TRANSCRIP
B	3023382	Forkhead box protein G1A
B	5834490	forkhead transcription factor

B	222817	fra-2 protein
B	17433077	Frizzled 10
B	475904	gammaFBP-C
B	63401	GAP dehydrogenase
B	117703	Gap junction alpha-5 protein (Connexin 42)
B	120958	GATA binding factor-2 (Transcription factor)
B	14317908	GCN5
B	5733818	Gephyrin
B	25553442	Ghrelin
B	44888570	Glucokinase
B	121081	Glycine dehydrogenase
B	630998	Glycoprotein
B	1707999	GPC1_CHICK Glypican-1 (Heparan sulfate proteoglycan core protein)
B	4262327	growth differentiation factor 5
B	462231	H2A3 Histone H2A-III
B	11463952	hairy-1
B	585277	Heat shock factor protein 2 (HSF 2)
B	2623879	heat shock protein 10 [MASS=11083]
B	37051139	Hec1 protein
B	23821300	Hexokinase1
B	7512219	High molecular mass nuclear antigen
B	4504489	Histidine-rich glycoprotein
B	2119012	Histone 3.3A
B	2827430	Histone deacetylase 1
B	15214038	Histone deacetylase 4 (HD4)
B	121944	HISTONE H1 - CHICKen
B	121901	Histone H1.11R - CHICKen
B	122000	Histone H2A-IV - CHICKen
B	3983416	Homeodomain protein
B	4127848	Homeodomain protein NKx2.1
B	70678	HSCH5 histone H5
B	53126092	Hypothetical protein
B	53126268	Hypothetical protein
B	53126489	Hypothetical protein
B	53127063	Hypothetical protein
B	53127312	Hypothetical protein
B	53127652	Hypothetical protein
B	53127756	Hypothetical protein
B	53129519	Hypothetical protein
B	53130282	Hypothetical protein
B	53130386	Hypothetical protein
B	53130422	Hypothetical protein
B	53130498	Hypothetical protein
B	53130718	Hypothetical protein
B	53131480	Hypothetical protein
B	53132882	Hypothetical protein
B	53133458	Hypothetical protein
B	53133560	Hypothetical protein
B	53133708	Hypothetical protein
B	53133810	Hypothetical protein
B	53135182	Hypothetical protein

B	53136430	Hypothetical protein
B	53136490	Hypothetical protein
B	53136500	Hypothetical protein
B	53136520	Hypothetical protein
B	53136732	Hypothetical protein
B	53136736	Hypothetical protein
B	53136866	Hypothetical protein
B	53127784	hypothetical protein - intgerin alpha-9
B	45384532	Hypothetical protein LOC395848
B	25392208	Hypoxia-inducible factor 1 alpha
B	345674	Ig alpha chain
B	86318	Ig gamma chain (clone 36)
B	1170521	IHBA_CHICK Inhibin beta A chain (Activin beta-A chain)
B	28779297	Insulin-like growth factor-binding protein-4; IGFBP-4
B	27728734	Interleukin 16
B	49169785	Interleukin 2
B	50897470	interleukin 2 receptor - human
B	46430428	Interleukin-12 beta chain
B	6018441	Iroquois homologue 2
B	3175987	K123 protein
B	8118590	KFC
B	34098657	KTN1_CHICK Kinectin
B	6225596	KU70 ATP-DEPENDENT DNA HELICASE II
B	45384220	laminB
B	19401480	Late domain-interacting protein 1
B	49170082	Leptin receptor
B	1708823	LIK2_CHICK LIM domain kinase 2 (LIMK-2)
B	4959046	LIM domain interacting RING finger protein
B	19912219	LIM kinase 1
B	22859183	liver X receptor alpha
B	1708864	Low-density lipoprotein receptor-related protein 1
B	45383976	LR8B
B	28316400	Lymphocyte-specific protein 1
B	5031897	Mab-21-like protein 1
B	15420977	Malic enzyme
B	45382889	Mature ChIL-6
B	18031964	Maxi-KH type RNA binding protein Sam68
B	1020104	Melanotransferrin/EOS47
B	12698364	Metabotropic glutamate receptor 5
B	1709011	MFA1 MICROFIBRILLAR-ASSOCIATED PROTEIN 1
B	34391970	MHC class I antigen
B	7512227	MHC class II histocompatibility antigen B-L beta chain 1
B	7688653	Microphthalmia protein
B	127095	MIM1 Myeloid protein-1
B	6448447	mitochondrial carrier homolog 2 [M
B	1545944	Mitochondrial creatine kinase
B	23821364	mitochondrial transcription factor A
B	30315985	Mitogen-activated protein kinase 9
B	4127844	MLL protein
B	45382801	Monocarboxylate transporter 4
B	585761	Multifunctional protein ADE2

B	86345	Muscarinic acetylcholine receptor
B	113128	Muscarinic acetylcholine receptor M4 - CHICKen
B	7649720	muscle-derived protein 62
B	21956096	Mx
B	45382741	N-acetylglucosaminyltransferase VI
B	10720134	Neogenin
B	2497606	Netrin-2, NET2
B	104799	Neural cell adhesion molecule Ng-CAM
B	2582524	Neural src interacting protein, short form; NSIP
B	115422	Neural-cadherin (N-cadherin)
B	11544642	Neurexin I alpha
B	2696219	Neurorescin
B	283899	Neurofascin
B	113067	Neuronal acetylcholine receptor protein
B	19071213	Neuropeptide Y receptor 4
B	2498677	Neuropilin-1
B	19067950	Ngfi-A binding protein 1
B	6136914	Nicotinic acetylcholine receptor
B	71999	Nicotinic acetylcholine receptor gamma chain
B	5822957	NK class homeodomain transcription factor NKX3.2
B	45383335	Nuclear factor of kappa light polypeptide gene enhancer in B-cells 2
B	17221616	Nuclear protein matrin 3
B	465508	Nuclease sensitive element binding protein 1 (Y box binding protein-1) - CHICKen
B	128840	Nucleolin (Protein C23)
B	128413	NUCLEOPHOSMIN (NPM)
B	37051137	Nuf2 protein
B	12188808	Orphan G protein-coupled receptor R35
B	1658384	Orthologue of the Xenopus Vg1
B	18252581	Paired-type homeobox Atx
B	4456148	Paralemmin
B	45384046	paraxis
B	1160315	Partial sequence of NF-kB/rel homology domain
B	48976123	particularly interesting new Cys-His protein 1
B	4630779	Pax-5
B	2576239	PAX7 protein
B	1352723	PAXI_CHICK Paxillin
B	8096555	PBX1A
B	14317910	PCAF
B	20139158	PCNA_CHICK Proliferating cell nuclear antigen
B	7435833	Pepsin C
B	46048866	Peptide elongation factor 1-beta
B	23320951	Pericentriolar material-1
B	19773556	PERIOD2
B	3334310	Peripherin
B	130756	Phosphoenolpyruvate carboxykinase, cytosolic
B	2134446	Phospholipase C, inositol-lipid specific
B	18182379	Photoreceptor cadherin
B	24041509	Pituitary vasotocin receptor
B	6014687	Platelet-derived growth factor receptor alpha
B	3127182	Poly(A) polymerase II

B	2134382	Polybromo 1
B	7446352	Polypyrimidine tract-binding protein-associated splicing factor
B	4204389	Potassium channel Shaker cKv1.4
B	241057	potential IGF binding protein
B	18568227	PPA
B	63752	PR 264
B	50756186	PREDICTED: hypothetical protein XP_415050
B	50756611	PREDICTED: hypothetical protein XP_415239
B	50728972	PREDICTED: hypothetical protein XP_416368
B	50731730	PREDICTED: hypothetical protein XP_418346
B	50732802	PREDICTED: hypothetical protein XP_418771
B	50750467	PREDICTED: hypothetical protein XP_422007
B	50730029	PREDICTED: hypothetical protein XP_425542
B	50753043	PREDICTED: hypothetical protein XP_429330
B	50755276	PREDICTED: hypothetical protein XP_429422
B	50756153	PREDICTED: hypothetical protein XP_429452
B	50756291	PREDICTED: hypothetical protein XP_429458
B	50757793	PREDICTED: hypothetical protein XP_429509
B	50758182	PREDICTED: hypothetical protein XP_429519
B	50730243	PREDICTED: hypothetical protein XP_429597
B	50731065	PREDICTED: hypothetical protein XP_429615
B	50731169	PREDICTED: hypothetical protein XP_429617
B	50759790	PREDICTED: hypothetical protein XP_429683
B	50734070	PREDICTED: hypothetical protein XP_429795
B	50737112	PREDICTED: hypothetical protein XP_429806
B	50763679	PREDICTED: hypothetical protein XP_430211
B	50794186	PREDICTED: hypothetical protein XP_430347
B	50762242	PREDICTED: hypothetical protein XP_430510
B	50806612	PREDICTED: alpha-2,8-sialyltransferase 8C
B	50797117	PREDICTED: CHICK atrial myosin heavy chain
B	50811630	PREDICTED: hypothetical protein
B	50754459	PREDICTED: hypothetical protein XP_414394
B	50728294	PREDICTED: hypothetical protein XP_416074
B	50729626	PREDICTED: hypothetical protein XP_416589
B	50730591	PREDICTED: hypothetical protein XP_416961
B	50759153	PREDICTED: hypothetical protein XP_417541
B	50746058	PREDICTED: hypothetical protein XP_420359
B	50746999	PREDICTED: hypothetical protein XP_420712
B	50750978	PREDICTED: hypothetical protein XP_422214
B	50732623	PREDICTED: hypothetical protein XP_425962
B	50807555	PREDICTED: hypothetical protein XP_428918
B	50753051	PREDICTED: hypothetical protein XP_429332
B	50755140	PREDICTED: hypothetical protein XP_429416
B	50729854	PREDICTED: hypothetical protein XP_429585
B	50730083	PREDICTED: hypothetical protein XP_429589
B	50731486	PREDICTED: hypothetical protein XP_429623
B	50758977	PREDICTED: hypothetical protein XP_429651
B	50759584	PREDICTED: hypothetical protein XP_429675
B	50760902	PREDICTED: hypothetical protein XP_429730
B	50731900	PREDICTED: hypothetical protein XP_429749
B	50732934	PREDICTED: hypothetical protein XP_429782

B	50733000	PREDICTED: hypothetical protein XP_429783
B	50740497	PREDICTED: hypothetical protein XP_429851
B	50745250	PREDICTED: hypothetical protein XP_429910
B	50745776	PREDICTED: hypothetical protein XP_429933
B	50745838	PREDICTED: hypothetical protein XP_429939
B	50746375	PREDICTED: hypothetical protein XP_429964
B	50748390	PREDICTED: hypothetical protein XP_430042
B	50749192	PREDICTED: hypothetical protein XP_430079
B	50749711	PREDICTED: hypothetical protein XP_430102
B	50751746	PREDICTED: hypothetical protein XP_430175
B	50752036	PREDICTED: hypothetical protein XP_430188
B	50752457	PREDICTED: hypothetical protein XP_430203
B	50783328	PREDICTED: hypothetical protein XP_430291
B	50805038	PREDICTED: hypothetical protein XP_430435
B	50761631	PREDICTED: hypothetical protein XP_430487
B	50762270	PREDICTED: hypothetical protein XP_430511
B	50757448	PREDICTED: hypothetical protein XP_430517
B	50761910	PREDICTED: lipoprotein lipase precursor
B	50740818	PREDICTED: polymerase eta
B	50732890	PREDICTED: similar to 106 kDa O-GlcNAc transferase-interacting protein
B	50797977	PREDICTED: similar to 13S condensin XCAP-H subunit
B	50756319	PREDICTED: similar to 1-alpha dynein heavy chain
B	50753889	PREDICTED: similar to 1-phosphatidylinositol-4,5-bisphosphate phosphod (gamma1)
B	50753995	PREDICTED: similar to 2310061F22Rik protein
B	50751919	PREDICTED: similar to 2610304F09Rik protein
B	50750766	PREDICTED: similar to 2-amino-3-carboxymuconate-6-semialdehyde decarbo
B	50729254	PREDICTED: similar to 2-amino-3-ketobutyrate coenzyme A ligase, mitoch
B	50732734	PREDICTED: similar to 2-hydroxyphytanoyl-CoA lyase (2-HPCL) (HSPC279)
B	50732898	PREDICTED: similar to 37kD Laminin receptor p40 ribosomal
B	50728912	PREDICTED: similar to 3-oxo-5-beta-steroid 4-dehydrogenase (Delta(4)-3
B	50755759	PREDICTED: similar to 3-phosphoinositide dependent protein kinase-1
B	50794952	PREDICTED: similar to 5330417C22Rik protein
B	50746090	PREDICTED: similar to 5-hydroxytryptamine 2C receptor (5-HT-2C)
B	50750952	PREDICTED: similar to 60-kDa SS-A/Ro ribonucleoprotein
B	50806588	PREDICTED: similar to 60S ribosomal protein L17 (L23)
B	50729324	PREDICTED: similar to 6-phosphofructo-2-kinase/fructose-2,6-biphosphat
B	50754131	PREDICTED: similar to 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4
B	50760194	PREDICTED: similar to 6-pyruvoyl tetrahydrobiopterin synthase
B	50757472	PREDICTED: similar to 9230102N17Rik protein
B	50797387	PREDICTED: similar to a disintegrin and metalloproteinase domain 21 pr
B	50751294	PREDICTED: similar to ABCA4
B	50750944	PREDICTED: similar to abnormal spindle

B	50752255	PREDICTED: similar to ACAP2
B	50755725	PREDICTED: similar to Acyl carrier protein
B	50806260	PREDICTED: similar to ADAM 18
B	50730027	PREDICTED: similar to ADAMTS-5
B	50760401	PREDICTED: similar to Adaptor-related protein complex 4, beta 1 subunit
B	50736017	PREDICTED: similar to adenylate cyclase 2; ATP pyrophosphate-lyase
B	50761224	PREDICTED: similar to Adiponectin receptor 1
B	50730336	PREDICTED: similar to adicican
B	50729148	PREDICTED: similar to ADP-ribosylation factor GTPase-activating protein
B	50741683	PREDICTED: similar to AF-6 protein
B	50752124	PREDICTED: similar to AI325464 protein
B	50748406	PREDICTED: similar to A-kinase anchor protein 6
B	50732916	PREDICTED: similar to ALG-2 interacting protein 1
B	50747470	PREDICTED: similar to Almstrom syndrome 1 protein
B	50759565	PREDICTED: similar to alpha-1A adrenoreceptor
B	50746254	PREDICTED: similar to alpha-aminoadipate aminotransferase
B	50729381	PREDICTED: similar to alpha-mannosidase
B	50749819	PREDICTED: similar to AMACO
B	50745960	PREDICTED: similar to AMMECR1 protein
B	50760411	PREDICTED: similar to AMP deaminase 1 (Myoadenylate deaminase)
B	50747746	PREDICTED: similar to AMP deaminase 3 (AMP deaminase isoform E) (Eryth
B	50751844	PREDICTED: similar to AMP-activated protein kinase alpha 2
B	50732233	PREDICTED: similar to AMP-activated protein kinase, gamma-2 subunit
B	50732349	PREDICTED: similar to amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein
B	50758372	PREDICTED: similar to amyloid beta precursor protein-binding protein 2
B	50750294	PREDICTED: similar to amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 8
B	50739026	PREDICTED: similar to anaplastic lymphoma kinase Ki-1
B	50731131	PREDICTED: similar to angiopoietin-like 5
B	50756029	PREDICTED: similar to ANKRD16 protein
B	50751670	PREDICTED: similar to ankyrin
B	50754401	PREDICTED: similar to ankyrin repeat and BTB (POZ) domain containing
B	50748638	PREDICTED: similar to ankyrin repeat and SOCS box-containing protein 2
B	50753985	PREDICTED: similar to ankyrin repeat domain 11
B	50753782	PREDICTED: similar to ankyrin repeat domain 27 (VPS9 domain)
B	50761364	PREDICTED: similar to ankyrin repeat domain 32
B	50730552	PREDICTED: similar to Ankyrin repeat domain protein 10
B	50746186	PREDICTED: similar to Annexin A10 (Annexin 14)
B	50758398	PREDICTED: similar to AP1 gamma subunit binding protein 1
B	50755292	PREDICTED: similar to AP-3 complex beta3A subunit
B	50751702	PREDICTED: similar to APG4 autophagy 4 homolog C
B	50732393	PREDICTED: similar to apical early endosomal glycoprotein
B	50741740	PREDICTED: similar to apical organic cation transporter
B	50758390	PREDICTED: similar to apoptosis antagonizing transcription factor

B	50740200	PREDICTED: similar to Apoptosis stimulating of p53 protein 2
B	50749452	PREDICTED: similar to Arachidonate 5-lipoxygenase (5-lipoxygenase) (5-
B	50744720	PREDICTED: similar to arginyl-tRNA synthetase-like
B	50750796	PREDICTED: similar to ARHGAP15
B	50754349	PREDICTED: similar to ARHGEF3 protein
B	50732553	PREDICTED: similar to ARL gene 4
B	50744608	PREDICTED: similar to armadillo repeat containing 2
B	50734832	PREDICTED: similar to arm-repeat protein NPRAP/neurojungin
B	50738011	PREDICTED: similar to aspartate beta-hydroxylase
B	50757453	PREDICTED: similar to astrotactin 2
B	50742600	PREDICTED: similar to AT rich interactive domain 1B (SWI1-like)
B	50754505	PREDICTED: similar to ataxin 7
B	50757889	PREDICTED: similar to ATP-binding cassette, sub-family A , member 5
B	50755335	PREDICTED: similar to ATP-binding cassette, sub-family A member 3
B	50766856	PREDICTED: similar to ATP-binding cassette, sub-family A, member 2
B	50784448	PREDICTED: similar to ATP-binding cassette, sub-family B, member 6
B	50750746	PREDICTED: similar to ATP-dependent RNA helicase DDX18
B	50759267	PREDICTED: similar to atrophin-1 like protein
B	50744638	PREDICTED: similar to Autophagy 5-like
B	50748686	PREDICTED: similar to AW548124 protein
B	50751370	PREDICTED: similar to B cell lymphoma/leukemia 10
B	50762310	PREDICTED: similar to B/AIM-1-like protein
B	50761716	PREDICTED: similar to bA207C16.2 (novel protein similar to C. elegans R06F6.8)
B	50759047	PREDICTED: similar to bA358N2.1 (KIAA0978)
B	50730603	PREDICTED: similar to bA430M15.1 (novel protein (ortholog of rat four repeat ion channel))
B	50758300	PREDICTED: similar to bA9F11.1
B	50758891	PREDICTED: similar to Bactericidal permeability-increasing protein
B	50729266	PREDICTED: similar to bactericidal permeability-increasing protein/lipopolysaccharide-binding protein
B	50736115	PREDICTED: similar to BAG-family molecular chaperone regulator-1 (BCL-2 binding athanogene-1)
B	50760712	PREDICTED: similar to band 3 anion transport protein (clone pBIIC1) -
B	50769225	PREDICTED: similar to barren; barren (Drosophila) homolog
B	50752833	PREDICTED: similar to BB128963 protein
B	50750453	PREDICTED: similar to BC004636 protein
B	50747906	PREDICTED: similar to BC026645 protein
B	50760136	PREDICTED: similar to BC033915 protein
B	50760180	PREDICTED: similar to B-cell CLL/lymphoma 9-like
B	50738529	PREDICTED: similar to Bcl-2-like protein 11 (Bcl2 interacting mediator)
B	50757935	PREDICTED: similar to BCL-6 corepressor
B	50758857	PREDICTED: similar to Bcl-X/Bcl-XL (cannot distinguish)
B	50760557	PREDICTED: similar to BCSC-1
B	50758903	PREDICTED: similar to beta catenin-like 1; nuclear associated protein
B	50752064	PREDICTED: similar to beta prime cop
B	50757947	PREDICTED: similar to beta(1,6)-N-acetylglucosaminyltransferase V
B	50747001	PREDICTED: similar to beta-sarcoglycan
B	50793109	PREDICTED: similar to beta-tubulin cofactor E
B	50748139	PREDICTED: similar to BHC80 protein

B	50746535	PREDICTED: similar to Bone morphogenetic protein 3
B	50744938	PREDICTED: similar to Brix domain containing protein 1
B	50749945	PREDICTED: similar to budding uninhibited by benzimidazoles 3 homolog
B	50753218	PREDICTED: similar to Butyrate-induced transcript 1
B	50806458	PREDICTED: similar to butyrophilin
B	50754752	PREDICTED: similar to C1q and tumor necrosis factor related protein 2
B	50776940	PREDICTED: similar to C1q and tumor necrosis factor related protein 4
B	50755537	PREDICTED: similar to C330006K01Rik protein
B	50752444	PREDICTED: similar to C79802 protein
B	50794777	PREDICTED: similar to Ca2 regulator SV2A
B	50754371	PREDICTED: similar to cadherin EGF LAG seven-pass G-type receptor 3
B	50756593	PREDICTED: similar to cain
B	50758068	PREDICTED: similar to calcium/calmodulin-dependent protein kinase 1
B	50746757	PREDICTED: similar to Calcium/calmodulin-dependent protein kinase type
B	50751150	PREDICTED: similar to Calcyclin-binding protein (CacyBP) (hCacyBP)
B	50732970	PREDICTED: similar to calmodulin-dependent cyclic nucleotide phosphodiesterase
B	50752357	PREDICTED: similar to calpain 10
B	50748658	PREDICTED: similar to calponin like transmembrane domain protein
B	50744624	PREDICTED: similar to candidate tumor suppressor protein
B	50752809	PREDICTED: similar to carbonic anhydrase XII
B	50752263	PREDICTED: similar to Carboxypeptidase N 83 kDa chain
B	50736260	PREDICTED: similar to carnosinase 1
B	50728814	PREDICTED: similar to Cartilage homeoprotein 1 (CART-1)
B	50759596	PREDICTED: similar to cartilage matrix protein
B	50758967	PREDICTED: similar to Cas/HEF-like protein 1
B	50728774	PREDICTED: similar to caspase recruitment domain protein 10
B	50749807	PREDICTED: similar to caspase-7
B	50734905	PREDICTED: similar to catenin (cadherin-associated protein), delta 2
B	50728170	PREDICTED: similar to caveolin 2
B	50741692	PREDICTED: similar to C-C chemokine receptor type 6
B	50748724	PREDICTED: similar to CD40 receptor associated factor 1 (CRAF1)
B	50747404	PREDICTED: similar to CD8 alpha chain
B	50748219	PREDICTED: similar to CDAN1 protein
B	50756335	PREDICTED: similar to CDK2-associated protein 1
B	50757426	PREDICTED: similar to CDK5 regulatory subunit associated protein 2
B	50759263	PREDICTED: similar to CDNA sequence AF155546
B	50755922	PREDICTED: similar to CDNA sequence BC024814
B	50750948	PREDICTED: similar to CDNA sequence BC027756
B	50760085	PREDICTED: similar to CDNA sequence BC034204
B	50756387	PREDICTED: similar to cDNA sequence BC035291
B	50746597	PREDICTED: similar to CDP-diacylglycerol synthase 1
B	50761914	PREDICTED: similar to CDW92 antigen
B	50751802	PREDICTED: similar to CEF-10 protein
B	50752377	PREDICTED: similar to Cek10 protein
B	50732103	PREDICTED: similar to cell division cycle 25A
B	50753975	PREDICTED: similar to Cell division protein kinase 10
B	50731235	PREDICTED: similar to Cell division protein kinase 8

B	50731073	PREDICTED: similar to centromere protein J
B	50757155	PREDICTED: similar to centrosomal protein 1
B	50753537	PREDICTED: similar to CG10964-PA
B	50744908	PREDICTED: similar to CG12002-PA
B	50753545	PREDICTED: similar to CG1399-PB
B	50750670	PREDICTED: similar to CG32239-PA
B	50732335	PREDICTED: similar to CG3524-PA
B	50747350	PREDICTED: similar to CG9638-PA
B	50730915	PREDICTED: similar to CGI-145 protein
B	50731285	PREDICTED: similar to chapsyn-110; discs large homolog 2
B	50754423	PREDICTED: similar to CHCHD4 protein
B	50750171	PREDICTED: similar to chemokine orphan receptor 1
B	50730047	PREDICTED: similar to chloride intracellular channel 6
B	50728856	PREDICTED: similar to chondroitin 4-O-sulfotransferase
B	50747035	PREDICTED: similar to chromaffin granule ATPase II homolog
B	50759145	PREDICTED: similar to chromodomain helicase DNA binding protein 5
B	50791618	PREDICTED: similar to chromodomain Y-like protein 2
B	50803976	PREDICTED: similar to chromosome 1 open reading frame 9; membrane protein CH1
B	50749763	PREDICTED: similar to chromosome 10 open reading frame 79
B	50810822	PREDICTED: similar to chromosome 10 open reading frame 88
B	50730729	PREDICTED: similar to Chromosome 13 open reading frame 24
B	50748674	PREDICTED: similar to chromosome 14 open reading frame 154
B	50749090	PREDICTED: similar to chromosome 14 open reading frame 31
B	50748338	PREDICTED: similar to chromosome 14 open reading frame 54
B	50752829	PREDICTED: similar to chromosome 15 open reading frame 16
B	50759037	PREDICTED: similar to chromosome 20 open reading frame 136
B	50759070	PREDICTED: similar to chromosome 20 open reading frame 17
B	50756117	PREDICTED: similar to chromosome 20 open reading frame 42
B	50744666	PREDICTED: similar to chromosome 6 open reading frame 111
B	50742667	PREDICTED: similar to chromosome 6 open reading frame 55
B	50744526	PREDICTED: similar to chromosome 6 open reading frame 60
B	50762412	PREDICTED: similar to chromosome 9 open reading frame 102
B	50757283	PREDICTED: similar to chromosome 9 open reading frame 126
B	50761751	PREDICTED: similar to chromosome 9 open reading frame 138
B	50762368	PREDICTED: similar to chromosome 9 open reading frame 64
B	50757442	PREDICTED: similar to cis-Golgi matrix protein GM130
B	50756691	PREDICTED: similar to citron; rho-interacting, serine/threonine kinase
B	50746607	PREDICTED: similar to CL3AA
B	50741938	PREDICTED: similar to cleavage stimulation factor subunit 3
B	50761152	PREDICTED: similar to coagulation factor II receptor-like 3
B	50756023	PREDICTED: similar to Coatomer gamma-2 subunit (Gamma-2 coat protein)
B	50747792	PREDICTED: similar to coatomer protein complex, subunit beta
B	50757478	PREDICTED: similar to cofactor of BRCA1
B	50730113	PREDICTED: similar to cofactor required for Sp1 transcriptional activation subunit 2
B	50806945	PREDICTED: similar to Cofactor required for Sp1 transcriptional activation subunit 3
B	50754981	PREDICTED: similar to Cofactor required for Sp1 transcriptional activation subunit 9

B	50786879	PREDICTED: similar to cold inducible RNA binding protein
B	50753404	PREDICTED: similar to Colorectal mutant cancer protein (MCC protein)
B	50730723	PREDICTED: similar to COMM domain containing 6
B	50750884	PREDICTED: similar to complement component 1
B	50761598	PREDICTED: similar to Complement component C7
B	50730841	PREDICTED: similar to component of golgi transport complex 3; tetherin
B	50729404	PREDICTED: similar to Condensin subunit 1
B	50762138	PREDICTED: similar to coronin, actin binding protein 2A; coronin 4
B	50728158	PREDICTED: similar to cortactin binding protein 2
B	50757659	PREDICTED: similar to COX10 homolog, cytochrome c oxidase assembly
B	50728318	PREDICTED: similar to CPSF6 protein
B	50758725	PREDICTED: similar to CSE1 chromosome segregation 1-like protein
B	50749815	PREDICTED: similar to CTCL tumor antigen L14-2
B	50755643	PREDICTED: similar to CTF18, chromosome transmission fidelity factor 1
B	50796344	PREDICTED: similar to C-type lectin
B	50730697	PREDICTED: similar to Cutaneous T-cell lymphoma tumor antigen se70-2
B	50732645	PREDICTED: similar to cyclin fold protein 1; cyclin-box carrying protein
B	50732489	PREDICTED: similar to cyclin-dependent kinase
B	50748934	PREDICTED: similar to cyclin-dependent kinase-like 1
B	50731181	PREDICTED: similar to cysteine and histidine-rich domain (CHORD)-containing
B	50795003	PREDICTED: similar to cytochrome oxidase deficient homolog 1
B	50751560	PREDICTED: similar to cytochrome P450 XL-304
B	50740800	PREDICTED: similar to Cytokine inducible SH2-containing protein 5 (Sup
B	50762387	PREDICTED: similar to DAP kinase 1
B	50761828	PREDICTED: similar to DAZ associated protein 1
B	50754379	PREDICTED: similar to DC12 protein
B	50810410	PREDICTED: similar to DEAD (aspartate-glutamate-alanine-aspartate) box
B	50730103	PREDICTED: similar to DEAD-box protein 3 (Helicase-like protein 2)
B	50732109	PREDICTED: similar to DEAH (Asp-Glu-Ala-His) box polypeptide 30 isoform
B	50756307	PREDICTED: similar to DEAH (Asp-Glu-Ala-His) box polypeptide 37
B	50778649	PREDICTED: similar to Death domain receptor 3 (TNFRSF23)
B	50754834	PREDICTED: similar to dedicator of cytokinesis 2
B	50762071	PREDICTED: similar to Dedicator of cytokinesis protein 8
B	50750483	PREDICTED: similar to dehydrogenase/reductase (SDR family) member 9
B	50730560	PREDICTED: similar to dehydrogenase/reductase (SDR family) X-linked
B	50741959	PREDICTED: similar to dendritic cell protein
B	50761583	PREDICTED: similar to densin-180-like protein
B	50758825	PREDICTED: similar to DeR3
B	50758777	PREDICTED: similar to Dermatomyositis associated with cancer putative
B	50756407	PREDICTED: similar to Diablo homolog
B	50756249	PREDICTED: similar to DiGeorge syndrome critical region gene 8

B	50733538	PREDICTED: similar to dim1; dim1 (S. pombe)
B	50751468	PREDICTED: similar to diphtheria toxin resistance protein required for
B	50762348	PREDICTED: similar to Disabled homolog 2 (Differentially expressed pro
B	50740212	PREDICTED: similar to dispatched A
B	50741380	PREDICTED: similar to disrupted in schizophrenia 1
B	50760208	PREDICTED: similar to DIX domain containing 1
B	50760228	PREDICTED: similar to DIXDC1 protein
B	50744812	PREDICTED: similar to dJ331H24.2 (hypothetical protein FLJ21079, simil
B	50759131	PREDICTED: similar to dJ467L1.1 (KIAA0833)
B	50759578	PREDICTED: similar to dJ50O24.6 (B120 (C1orf4) (ARID DNA binding domai
B	50751706	PREDICTED: similar to dJ534K7.2 (novel protein)
B	50754099	PREDICTED: similar to DKFZP434C245 protein
B	50798447	PREDICTED: similar to DKFZP547E1010 protein
B	50748203	PREDICTED: similar to DKFZP564G2022 protein
B	50763943	PREDICTED: similar to DKFZP566M1046 protein
B	50748175	PREDICTED: similar to DKFZP727M111 protein
B	50749272	PREDICTED: similar to Dkk-1
B	50765868	PREDICTED: similar to DNA (cytosine-5)-methyltransferase 3A (Dnmt3a) (
B	50756717	PREDICTED: similar to DNA polymerase epsilon, catalytic subunit A
B	50729526	PREDICTED: similar to DNA polymerase theta isoform 1; polymerase (DNA-
B	50751362	PREDICTED: similar to DNA segment, Chr 3, ERATO Doi 250, expressed
B	50755878	PREDICTED: similar to DNA-binding protein CDR-62 - human (fragment)
B	50753733	PREDICTED: similar to DnaJ homolog subfamily A member 2
B	50754427	PREDICTED: similar to DNA-repair protein complementing XP-C cells (Xer
B	50729204	PREDICTED: similar to Dombrock blood group; ADP-ribosyltransferase 4
B	50760973	PREDICTED: similar to DOT1-like, histone H3 methyltransferase; histone
B	50762075	PREDICTED: similar to Doublesex and mab-3 related transcription factor
B	50728552	PREDICTED: similar to down-regulated in metastasis
B	50752625	PREDICTED: similar to Dual specificity protein kinase CLK3 (CDC like k
B	50749989	PREDICTED: similar to Ebf3 protein
B	50748580	PREDICTED: similar to echinoderm microtubule associated protein like 5
B	50740390	PREDICTED: similar to Echinoderm microtubule-associated protein-like 4
B	50751314	PREDICTED: similar to ecotropic viral integration site 5
B	50745561	PREDICTED: similar to ectodysplasin
B	50752132	PREDICTED: similar to ELLP3030; Similar to RIKEN cDNA E430025L02 gene
B	50794906	PREDICTED: similar to Elongation factor 1-gamma (EF-1-gamma)

B	50742001	PREDICTED: similar to elongation protein 4 homolog; PAX6 neighbor gene
B	50748690	PREDICTED: similar to Enah/Vasp-like
B	50746892	PREDICTED: similar to endomucin-1, partial
B	50732223	PREDICTED: similar to Endonuclease G like 1 (Endo G like) [Gallus gallus
B	50758196	PREDICTED: similar to Endothelial cells scavenger receptor
B	50757542	PREDICTED: similar to endothelial differentiation-related factor 1
B	50732936	PREDICTED: similar to engulfment and cell motility 1 isoform 1; ced-12
B	50760817	PREDICTED: similar to enhancer of zeste homolog 1; enhancer of zeste (
B	50731511	PREDICTED: similar to enoyl Coenzyme A hydratase domain containing 3
B	50738253	PREDICTED: similar to ENSANGP00000007226
B	50806695	PREDICTED: similar to epithelial protein lost in neoplasm alpha
B	50752570	PREDICTED: similar to esterase/N-deacetylase
B	50753987	PREDICTED: similar to ETO/MTG8-related protein ETO-2
B	50734563	PREDICTED: similar to Etohi2 protein
B	50731844	PREDICTED: similar to Eukaryotic translation initiation factor 3 subunit 6
B	50728758	PREDICTED: similar to Eukaryotic translation initiation factor 3 subunit 6 interacting protein
B	50753288	PREDICTED: similar to Eukaryotic translation initiation factor 3 subunit1
B	50752349	PREDICTED: similar to Eukaryotic translation initiation factor 4E type
B	50730570	PREDICTED: similar to Eukaryotic translation initiation factor 5B
B	50732870	PREDICTED: similar to Exosome complex exonuclease RRP42 (Ribosomal RNA
B	50759307	PREDICTED: similar to exosome component 10; autoantigen PM-SCL; polmy
B	50806922	PREDICTED: similar to Exportin 7 (Ran-binding protein 16)
B	50806325	PREDICTED: similar to expressed sequence AA959934
B	50795941	PREDICTED: similar to Expressed sequence A1429152
B	50751582	PREDICTED: similar to FAF
B	50755467	PREDICTED: similar to family with sequence similarity 20, member C; IM
B	50754189	PREDICTED: similar to Fanconi anemia, complementation group D2
B	50749490	PREDICTED: similar to Fas antigen (CD178)
B	50757923	PREDICTED: similar to fast myosin heavy chain HCII
B	50746703	PREDICTED: similar to fat-like cadherin FATJ protein
B	50751820	PREDICTED: similar to fatty acid amide hydrolase
B	50754533	PREDICTED: similar to Fbln2 protein
B	50755549	PREDICTED: similar to F-box and leucine-rich repeat protein 18
B	50744670	PREDICTED: similar to F-box and leucine-rich repeat protein 4; F-box p
B	50753617	PREDICTED: similar to F-box and leucine-rich repeat protein 8
B	50757548	PREDICTED: similar to F-box and WD-40 domain protein 5 isoform 1; WD r
B	50752775	PREDICTED: similar to F-box only protein 22 isoform a; F-box only prot
B	50744892	PREDICTED: similar to F-box only protein 25
B	50746501	PREDICTED: similar to F-box only protein 8
B	50728872	PREDICTED: similar to FELE-2

B	50749468	PREDICTED: similar to FERM and PDZ domain containing 2
B	50752102	PREDICTED: similar to FERM, RhoGEF and pleckstrin domain protein 2
B	50752971	PREDICTED: similar to fibrillin
B	50746134	PREDICTED: similar to Fibrinogen beta chain
B	50760491	PREDICTED: similar to fibroblast growth factor receptor substrate 3; s
B	50736555	PREDICTED: similar to FLJ00145 protein
B	50795029	PREDICTED: similar to FLJ00240 protein
B	50746369	PREDICTED: similar to FLJ10378 protein isoform 1
B	50731714	PREDICTED: similar to FLJ20171 protein
B	50746044	PREDICTED: similar to FLJ20298 protein isoform a
B	50728384	PREDICTED: similar to FLJ21963 protein
B	50750186	PREDICTED: similar to FLJ22833 protein
B	50728802	PREDICTED: similar to FLJ23322 protein
B	50758619	PREDICTED: similar to FLJ44670 protein
B	50744672	PREDICTED: similar to FLJ46180 protein
B	50760174	PREDICTED: similar to FLJ46266 protein
B	50761079	PREDICTED: similar to Follistatin-related protein 3 precursor (Follist
B	50730480	PREDICTED: similar to Four and a half LIM domains 2
B	50752407	PREDICTED: similar to fragile-X-related protein 1 isoform e
B	50746381	PREDICTED: similar to Fraser syndrome 1
B	50750330	PREDICTED: similar to Frizzled-5
B	50731817	PREDICTED: similar to frizzled-6
B	50762346	PREDICTED: similar to FYN-binding protein (FYN-T-binding protein) (FYB
B	50758018	PREDICTED: similar to FYVE domain-containing dual specificity protein
B	50732361	PREDICTED: similar to G protein coupled receptor 158
B	50753463	PREDICTED: similar to G protein-coupled receptor 97
B	50755265	PREDICTED: similar to G protein-coupled receptor kinase 6
B	50756172	PREDICTED: similar to G2/mitotic-specific cyclin F
B	50772762	PREDICTED: similar to GAC-1, partial
B	50747942	PREDICTED: similar to galanin
B	50730530	PREDICTED: similar to Gamma-tubulin complex component 3 (GCP-3)
B	50730514	PREDICTED: similar to GH regulated TBC protein 1
B	50732535	PREDICTED: similar to GIG18
B	50795479	PREDICTED: similar to gigaxonin, partial
B	50730156	PREDICTED: similar to Gk2-prov protein
B	50732665	PREDICTED: similar to Gliacolin
B	50728354	PREDICTED: similar to Glioma pathogenesis-related protein (GliPR)
B	50757145	PREDICTED: similar to GLP 618 12970 14472 like (4J465)
B	50732561	PREDICTED: similar to GLP_608_34837_33056
B	50810224	PREDICTED: similar to glucagon receptor precursor, partial
B	50757919	PREDICTED: similar to Glucagon-like peptide 2 receptor
B	50747216	PREDICTED: similar to GLUT9a
B	50728616	PREDICTED: similar to Glutamate
B	50751893	PREDICTED: similar to glutamine rich protein
B	50751610	PREDICTED: similar to glutathione peroxidase 7; glutathione peroxidase
B	50750838	PREDICTED: similar to glycerol-3-phosphate dehydrogenase 2; glycerol p

B	50753880	PREDICTED: similar to Glycine cleavage system H protein, mitochondrial
B	50746507	PREDICTED: similar to glycine receptor alpha 3 subunit
B	50746154	PREDICTED: similar to glycine receptor beta
B	50745740	PREDICTED: similar to Glypican 4
B	50740164	PREDICTED: similar to golgi complex associated protein 1; golgi reside
B	50759215	PREDICTED: similar to golgi phosphoprotein 4; type II Golgi membrane p
B	50761906	PREDICTED: similar to golgi-associated microtubule-binding protein HOO
B	50757109	PREDICTED: similar to golgin 97; gap junction protein, alpha 4, 37kD
B	50756797	PREDICTED: similar to goosecoid-like
B	50745306	PREDICTED: similar to G-protein coupled receptor 116
B	50746309	PREDICTED: similar to Graf2
B	50728438	PREDICTED: similar to Grip1 protein
B	50757255	PREDICTED: similar to GTF3C4 protein
B	50728734	PREDICTED: similar to GTP binding protein 1; G-protein 1
B	50761818	PREDICTED: similar to GTP-binding protein GL1 alpha chain - bovine
B	50760413	PREDICTED: similar to GTP-binding protein N-ras - guinea pig [Gallus g
B	50732619	PREDICTED: similar to Guk1 protein
B	50757253	PREDICTED: similar to hamartin
B	50732698	PREDICTED: similar to hearing impairment protein DFNA5
B	50730025	PREDICTED: similar to heat shock transcription factor 2 binding protei
B	50730987	PREDICTED: similar to Heat-shock protein 105 kDa (Heat shock 110 kDa)
B	50733014	PREDICTED: similar to HECT type E3 ubiquitin ligase; NEDD4-like ubiqui
B	50755033	PREDICTED: similar to Heparan sulfate N-deacetylase/N-sulfotransferase
B	50746943	PREDICTED: similar to hepatocellular carcinoma related protein 1
B	50757811	PREDICTED: similar to Hepatocellular carcinoma-associated antigen 66
B	50752596	PREDICTED: similar to Hermansky-Pudlak syndrome 3 protein
B	50747842	PREDICTED: similar to Hermansky-Pudlak syndrome 5 protein (Alpha-integ
B	50746577	PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein D0
B	50746575	PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein D-like
B	50745477	PREDICTED: similar to HGF-regulated tyrosine kinase substrate
B	50760001	PREDICTED: similar to HINT-5
B	50755091	PREDICTED: similar to Histamine H2 receptor
B	50749376	PREDICTED: similar to histone acetyltransferase MORF alpha
B	50729238	PREDICTED: similar to Histone H1.11R
B	50800980	PREDICTED: similar to HMG domain protein HMGX2
B	50728011	PREDICTED: similar to HMG-box transcription factor 1
B	50756437	PREDICTED: similar to Homeobox protein Cux-2 (Cut-like 2)
B	50728900	PREDICTED: similar to Homeodomain-interacting protein kinase 2
B	50746279	PREDICTED: similar to hSNF2H
B	50736275	PREDICTED: similar to HSPC154 protein
B	50773193	PREDICTED: similar to Hyaluronan and proteoglycan link protein 3
B	50753651	PREDICTED: similar to Hydrocephalus-inducing protein
B	50749014	PREDICTED: similar to hypohtetical protein

B	50729592	PREDICTED: similar to hypothetical protein
B	50729606	PREDICTED: similar to hypothetical protein
B	50730794	PREDICTED: similar to hypothetical protein
B	50731171	PREDICTED: similar to hypothetical protein
B	50745254	PREDICTED: similar to hypothetical protein
B	50746315	PREDICTED: similar to hypothetical protein
B	50746989	PREDICTED: similar to Hypothetical protein
B	50748302	PREDICTED: similar to hypothetical protein
B	50748758	PREDICTED: similar to Hypothetical protein
B	50753047	PREDICTED: similar to hypothetical protein
B	50753778	PREDICTED: similar to hypothetical protein
B	50753920	PREDICTED: similar to hypothetical protein
B	50754159	PREDICTED: similar to Hypothetical protein
B	50754177	PREDICTED: similar to hypothetical protein
B	50758637	PREDICTED: similar to hypothetical protein
B	50748760	PREDICTED: similar to hypothetical protein 4832420M10
B	50745011	PREDICTED: similar to hypothetical protein 4833421E05Rik
B	50756500	PREDICTED: similar to hypothetical protein 9530023G02
B	50759197	PREDICTED: similar to Hypothetical protein A530045M11
B	50731942	PREDICTED: similar to hypothetical protein A830008O07
B	50759804	PREDICTED: similar to hypothetical protein AL133206
B	50796324	PREDICTED: similar to Hypothetical protein BC001096, partial
B	50753964	PREDICTED: similar to Hypothetical protein BC001584
B	50746307	PREDICTED: similar to Hypothetical protein BC004337
B	50744802	PREDICTED: similar to Hypothetical protein BC012928
B	50740305	PREDICTED: similar to hypothetical protein D1Erd396e
B	50760144	PREDICTED: similar to hypothetical protein DKFZp547C195
B	50751256	PREDICTED: similar to hypothetical protein DKFZp761A078
B	50754699	PREDICTED: similar to hypothetical protein DKFZp761B0514
B	50729748	PREDICTED: similar to hypothetical protein DKFZp761H079 isoform 1
B	50747923	PREDICTED: similar to hypothetical protein DKFZp761L1518
B	50728394	PREDICTED: similar to hypothetical protein DKFZp762A217
B	50749356	PREDICTED: similar to Hypothetical protein E330020C23
B	50745266	PREDICTED: similar to hypothetical protein FLJ10466; EF-hand domain co
B	50729126	PREDICTED: similar to Hypothetical protein FLJ10637
B	50755278	PREDICTED: similar to hypothetical protein FLJ10904
B	50728566	PREDICTED: similar to hypothetical protein FLJ11000
B	50741935	PREDICTED: similar to hypothetical protein FLJ11336
B	50760881	PREDICTED: similar to Hypothetical protein FLJ11354
B	50750499	PREDICTED: similar to hypothetical protein FLJ11457
B	50759750	PREDICTED: similar to hypothetical protein FLJ11730
B	50745380	PREDICTED: similar to Hypothetical protein FLJ11749
B	50756161	PREDICTED: similar to Hypothetical protein FLJ11792
B	50811427	PREDICTED: similar to hypothetical protein FLJ11807, partial
B	50753684	PREDICTED: similar to Hypothetical protein FLJ12178
B	50754439	PREDICTED: similar to hypothetical protein FLJ12436
B	50750039	PREDICTED: similar to hypothetical protein FLJ12519
B	50797320	PREDICTED: similar to Hypothetical protein FLJ12770
B	50807944	PREDICTED: similar to Hypothetical protein FLJ12875, partial
B	50805521	PREDICTED: similar to Hypothetical protein FLJ12994

B	50753449	PREDICTED: similar to hypothetical protein FLJ13912
B	50773213	PREDICTED: similar to hypothetical protein FLJ14281, partial
B	50752881	PREDICTED: similar to Hypothetical protein FLJ14957
B	50732770	PREDICTED: similar to Hypothetical protein FLJ20604
B	50751368	PREDICTED: similar to Hypothetical protein FLJ20729
B	50745790	PREDICTED: similar to hypothetical protein FLJ20772
B	50739077	PREDICTED: similar to Hypothetical protein FLJ21069
B	50745226	PREDICTED: similar to Hypothetical protein FLJ21616
B	50745105	PREDICTED: similar to hypothetical protein FLJ21945
B	50745117	PREDICTED: similar to Hypothetical protein FLJ22362
B	50752048	PREDICTED: similar to Hypothetical protein FLJ23751
B	50761394	PREDICTED: similar to Hypothetical protein FLJ25333
B	50732141	PREDICTED: similar to Hypothetical protein FLJ25467
B	50760582	PREDICTED: similar to hypothetical protein FLJ25818
B	50728536	PREDICTED: similar to Hypothetical protein FLJ31051
B	50762132	PREDICTED: similar to hypothetical protein FLJ31810
B	50751640	PREDICTED: similar to hypothetical protein FLJ32112
B	50755906	PREDICTED: similar to hypothetical protein FLJ32871
B	50797072	PREDICTED: similar to Hypothetical protein FLJ34969
B	50759904	PREDICTED: similar to Hypothetical protein FLJ35961
B	50744602	PREDICTED: similar to hypothetical protein FLJ37396
B	50753641	PREDICTED: similar to hypothetical protein FLJ37440
B	50760517	PREDICTED: similar to hypothetical protein FLJ38755
B	50750722	PREDICTED: similar to hypothetical protein FLJ40597
B	50795903	PREDICTED: similar to Hypothetical protein KIAA0144, partial
B	50782244	PREDICTED: similar to Hypothetical protein KIAA1013
B	50745176	PREDICTED: similar to hypothetical protein MG01435.4
B	50741494	PREDICTED: similar to Hypothetical protein MGC13186
B	50728830	PREDICTED: similar to Hypothetical protein MGC17943
B	50732251	PREDICTED: similar to hypothetical protein MGC20460
B	50751204	PREDICTED: similar to Hypothetical protein MGC26594
B	50746140	PREDICTED: similar to Hypothetical protein MGC27016
B	50738008	PREDICTED: similar to Hypothetical protein MGC34646
B	50758194	PREDICTED: similar to hypothetical protein MGC34680
B	50728792	PREDICTED: similar to Hypothetical protein MGC35206
B	50745640	PREDICTED: similar to hypothetical protein MGC35261
B	50753085	PREDICTED: similar to hypothetical protein MGC45866
B	50738990	PREDICTED: similar to Hypothetical protein MGC66455
B	50756331	PREDICTED: similar to Hypothetical protein MGC7036
B	50750541	PREDICTED: similar to Hypothetical protein MGC75918
B	50754283	PREDICTED: similar to Hypothetical protein MGC76019
B	50756659	PREDICTED: similar to Hypothetical protein MGC76107
B	50761106	PREDICTED: similar to Hypothetical protein MGC76291
B	50731007	PREDICTED: similar to hypothetical protein MGC9850
B	50745425	PREDICTED: similar to hypothetical protein PRO1855
B	50778614	PREDICTED: similar to Hypothetical protein similar to RNA-binding protein
B	50762184	PREDICTED: similar to Hypothetical protein zgc:85685
B	50794178	PREDICTED: similar to hypothetical protein, partial
B	50754979	PREDICTED: similar to IL2-inducible T-cell kinase; homolog of mouse T-
B	50752572	PREDICTED: similar to immunoglobulin superfamily, member 10

B	50729810	PREDICTED: similar to immunoglobulin superfamily, member 2
B	50773250	PREDICTED: similar to immunoglobulin-like receptor CHIR-B2
B	50759834	PREDICTED: similar to Importin alpha-7 subunit (Karyopherin alpha-6)
B	50762705	PREDICTED: similar to Importin beta-1 subunit (Karyopherin)
B	50806278	PREDICTED: similar to Inhibitor of nuclear factor kappa B kinase beta
B	50749246	PREDICTED: similar to Inhibitor of nuclear factor kappa-B kinase alpha
B	50728510	PREDICTED: similar to initiation factor 2-associated 67kDa protein
B	50751897	PREDICTED: similar to inositol polyphosphate-5-phosphatase, 145kDa; hp
B	50731656	PREDICTED: similar to Inositol-1(or 4)-monophosphatase (IMPase) (IMP)
B	50736519	PREDICTED: similar to Inositol-1(or 4)-monophosphatase 2 (IMPase 2) (I
B	50750003	PREDICTED: similar to Inpp5a protein
B	50745968	PREDICTED: similar to Insulin receptor substrate protein
B	50728876	PREDICTED: similar to insulin-like growth factor IA precursor - CHICke
B	50785423	PREDICTED: similar to integrin alpha X precursor; leukocyte surface an
B	50750371	PREDICTED: similar to integrin alpha-4 subunit
B	50732980	PREDICTED: similar to Integrin, alpha 9
B	50760369	PREDICTED: similar to Interferon regulatory factor 6
B	50728304	PREDICTED: similar to interleukin 22
B	50752281	PREDICTED: similar to Interleukin-1 receptor accessory protein
B	50794924	PREDICTED: similar to interleukin-7 receptor precursor
B	50755757	PREDICTED: similar to Interleukin-9 receptor precursor (IL-9R)
B	50745151	PREDICTED: similar to Intersectin 2 (SH3 domain-containing protein 1B)
B	50745113	PREDICTED: similar to intersectin 2 isoform 3; SH3 domain protein 1B;
B	50757969	PREDICTED: similar to Inward rectifier potassium channel 16
B	50742543	PREDICTED: similar to iodotyrosine dehalogenase 1 protein
B	50794706	PREDICTED: similar to iron inhibited ABC transporter 2
B	50753948	PREDICTED: similar to Junctophilin 3
B	50804599	PREDICTED: similar to junctophilin type 2, partial
B	50730993	PREDICTED: similar to katanin p60 subunit A-like 1
B	50731409	PREDICTED: similar to KCNE3
B	50745802	PREDICTED: similar to kelch-like 4 isoform 1; kelch (Drosophila)-like
B	50755130	PREDICTED: similar to Kelch-like protein 3
B	50729479	PREDICTED: similar to Kell protein
B	50731944	PREDICTED: similar to KH domain containing, RNA binding, signal transd
B	50732257	PREDICTED: similar to KIAA0010
B	50753573	PREDICTED: similar to KIAA0017 protein
B	50740524	PREDICTED: similar to KIAA0082
B	50732808	PREDICTED: similar to KIAA0096 gene product is related to a protein ki
B	50748121	PREDICTED: similar to KIAA0097 gene product; colonic and hepatic tumor
B	50749958	PREDICTED: similar to KIAA0157 gene product is novel.
B	50757348	PREDICTED: similar to KIAA0169 protein
B	50746170	PREDICTED: similar to KIAA0313
B	50733718	PREDICTED: similar to KIAA0319
B	50732177	PREDICTED: similar to KIAA0363

B	50736233	PREDICTED: similar to KIAA0386
B	50745288	PREDICTED: similar to KIAA0432
B	50730817	PREDICTED: similar to KIAA0564 protein
B	50756192	PREDICTED: similar to KIAA0590 gene product
B	50757215	PREDICTED: similar to KIAA0605 protein
B	50746525	PREDICTED: similar to KIAA0660 protein
B	50772863	PREDICTED: similar to KIAA0663 protein, partial
B	50744682	PREDICTED: similar to KIAA0776 protein
B	50753693	PREDICTED: similar to KIAA0849 protein
B	50733520	PREDICTED: similar to KIAA0863 protein
B	50760776	PREDICTED: similar to KIAA0904 protein
B	50756167	PREDICTED: similar to KIAA0952 protein
B	50745200	PREDICTED: similar to KIAA0953 protein
B	50761073	PREDICTED: similar to KIAA0963 protein
B	50729528	PREDICTED: similar to KIAA1006 protein
B	50794783	PREDICTED: similar to KIAA1032 protein, partial
B	50728848	PREDICTED: similar to KIAA1033 protein
B	50750238	PREDICTED: similar to KIAA1034-like DNA binding protein
B	50730621	PREDICTED: similar to KIAA1058 protein
B	50728710	PREDICTED: similar to KIAA1093 protein
B	50732265	PREDICTED: similar to KIAA1228 protein
B	50728928	PREDICTED: similar to KIAA1277 protein
B	50758360	PREDICTED: similar to KIAA1287 protein
B	50754883	PREDICTED: similar to KIAA1295 protein
B	50750194	PREDICTED: similar to KIAA1301 protein
B	50747206	PREDICTED: similar to KIAA1327 protein
B	50759321	PREDICTED: similar to KIAA1332 protein
B	50748634	PREDICTED: similar to KIAA1409
B	50756603	PREDICTED: similar to KIAA1418 protein
B	50770976	PREDICTED: similar to KIAA1427 protein
B	50732317	PREDICTED: similar to KIAA1462 protein
B	50750750	PREDICTED: similar to KIAA1492 protein
B	50807853	PREDICTED: similar to KIAA1530 protein
B	50767793	PREDICTED: similar to KIAA1542 protein, partial
B	50728902	PREDICTED: similar to KIAA1549 protein
B	50759669	PREDICTED: similar to KIAA1555 protein
B	50751714	PREDICTED: similar to KIAA1579 protein
B	50748067	PREDICTED: similar to KIAA1580 protein
B	50753605	PREDICTED: similar to KIAA1612 protein
B	50758565	PREDICTED: similar to KIAA1688 protein
B	50737385	PREDICTED: similar to KIAA1713 protein
B	50749076	PREDICTED: similar to KIAA1754-like
B	50737094	PREDICTED: similar to KIAA1772 protein
B	50736832	PREDICTED: similar to KIAA1913
B	50754746	PREDICTED: similar to KIAA1935 protein
B	50750051	PREDICTED: similar to KIAA1946
B	50738538	PREDICTED: similar to KIAA2035 protein
B	50760007	PREDICTED: similar to kin of IRRE like 3
B	50732309	PREDICTED: similar to Kinesin heavy chain (Ubiquitous kinesin heavy ch
B	50740827	PREDICTED: similar to Kinesin-like protein (103.5 kD) (klp-6)

B	50750930	PREDICTED: similar to Kinesin-like protein KIF14
B	50762314	PREDICTED: similar to KPL2 protein, partial
B	50750632	PREDICTED: similar to Ku (p70/p80) protein
B	50743015	PREDICTED: similar to L3MBTL3 protein
B	50730434	PREDICTED: similar to LAF-4 protein (Lymphoid nuclear protein related
B	50737184	PREDICTED: similar to laminin alpha 3 subunit isoform 1; epiligrin 170
B	50743027	PREDICTED: similar to Laminin alpha-2 chain
B	50743024	PREDICTED: similar to Laminin M chain, merosin=basement membrane protein
B	50736826	PREDICTED: similar to laminin, alpha 1 precursor
B	50745650	PREDICTED: similar to Large subunit ribosomal protein L36a
B	50745119	PREDICTED: similar to LDL receptor adaptor protein
B	50761761	PREDICTED: similar to Lens epithelium-derived growth factor
B	50749791	PREDICTED: similar to Leucine-rich repeat protein SHOC-2 (Ras-binding
B	50756829	PREDICTED: similar to leukemia inhibitory factor
B	50795056	PREDICTED: similar to ligase I
B	50732389	PREDICTED: similar to LIM and SH3 protein
B	50761240	PREDICTED: similar to Liprin-alpha 4
B	50761110	PREDICTED: similar to Longevity assurance gene 1
B	50740230	PREDICTED: similar to LRTS841
B	50732968	PREDICTED: similar to LSM5 homolog, U6 small nuclear RNA associated
B	50729112	PREDICTED: similar to Lymphoid-restricted membrane protein
B	50731763	PREDICTED: similar to LYRIC
B	50749570	PREDICTED: similar to lysosomal acid lipase 1
B	50746485	PREDICTED: similar to lysosomal glycosylasparaginase
B	50759542	PREDICTED: similar to Lysyl oxidase homolog 2 precursor (Lysyl oxidase
B	50810188	PREDICTED: similar to lysyl oxidase-related protein C, partial
B	50754075	PREDICTED: similar to Lysyl-tRNA synthetase (Lysine--tRNA ligase)
B	50755968	PREDICTED: similar to mahogunin, ring finger 1; mahoganoid
B	50729911	PREDICTED: similar to MAK-V/Hunk
B	50753905	PREDICTED: similar to malonyl-CoA decarboxylase (EC 4.1.1.9) - goose
B	50759688	PREDICTED: similar to Mannosyl-oligosaccharide 1,2-alpha-mannosidase I
B	50757891	PREDICTED: similar to MAP kinase kinase 6b
B	50760337	PREDICTED: similar to MAP kinase-activated protein kinase 2 (MAPK-acti
B	50734148	PREDICTED: similar to maspin
B	50747662	PREDICTED: similar to mast cell maturation inducible protein 1
B	50794842	PREDICTED: similar to mast cell proteinase-1
B	50731251	PREDICTED: similar to Mastermind-like 2
B	50732527	PREDICTED: similar to Matrilin 3
B	50732018	PREDICTED: similar to Mdm2, transformed 3T3 cell double minute 2, p53
B	50770620	PREDICTED: similar to meiosis-specific nuclear structural protein 1; I
B	50795943	PREDICTED: similar to Membrane component, chromosome 11, surface marker

B	50760783	PREDICTED: similar to membrane component, chromosome 17, surface marke
B	50753302	PREDICTED: similar to Membrane protein p24B precursor (UNQ5357PRO1078)
B	50757133	PREDICTED: similar to Membrane-associated nucleic acid binding protein
B	50751732	PREDICTED: similar to mesoderm induction early response 1
B	50760457	PREDICTED: similar to metabotropic GluR4
B	50753204	PREDICTED: similar to Methionyl-tRNA formyltransferase, mitochondrial
B	50760981	PREDICTED: similar to methyl-CpG binding domain protein 3
B	50733496	PREDICTED: similar to mFLJ00098 protein
B	50801770	PREDICTED: similar to mFLJ00202 protein
B	50728716	PREDICTED: similar to MGAT3
B	50757865	PREDICTED: similar to MGC33887 protein
B	50750417	PREDICTED: similar to MGC52842 protein
B	50739047	PREDICTED: similar to MGC53127 protein
B	50761208	PREDICTED: similar to MGC53471 protein
B	50731337	PREDICTED: similar to MGC64316 protein
B	50753867	PREDICTED: similar to MGC64409 protein
B	50756807	PREDICTED: similar to MGC68763 protein
B	50755531	PREDICTED: similar to MGC68821 protein
B	50729348	PREDICTED: similar to MGC68875 protein
B	50760723	PREDICTED: similar to MGC69017 protein
B	50759862	PREDICTED: similar to microfilament and actin filament cross-linker pr
B	50731377	PREDICTED: similar to Microsomal signal peptidase 25 kDa subunit (SPas
B	50759868	PREDICTED: similar to Microtubule-actin crosslinking factor 1, isoform
B	50753318	PREDICTED: similar to microtubule-associated protein 1 A; Microtubule-
B	50750071	PREDICTED: similar to Microtubule-associated protein 2
B	50746311	PREDICTED: similar to mineralocorticoid receptor delta
B	50802652	PREDICTED: similar to MITF-2B protein, partial
B	50729450	PREDICTED: similar to mitochondrial carrier protein MGC4399
B	50758677	PREDICTED: similar to Mitochondrial import receptor subunit TOM34
B	50740372	PREDICTED: similar to mitochondrial ribosomal protein S10; mitochondri
B	50758414	PREDICTED: similar to Mitochondrial ribosomal protein S23
B	50783896	PREDICTED: similar to Mitofusin 2
B	50808493	PREDICTED: similar to mitogen-activated protein kinase 8 interacting p
B	50754317	PREDICTED: similar to mitogen-activated protein kinase kinase kinase
B	50732323	PREDICTED: similar to mitogen-activated protein kinase kinase kinase 8
B	50793446	PREDICTED: similar to Mitogen-activated protein kinase kinase kinase 3
B	50757275	PREDICTED: similar to MKIAA0515 protein
B	50752216	PREDICTED: similar to mKIAA0804 protein
B	50734604	PREDICTED: similar to MKIAA0840 protein
B	50800884	PREDICTED: similar to MKIAA1002 protein
B	50755077	PREDICTED: similar to MKIAA1643 protein
B	50728756	PREDICTED: similar to MKIAA1668 protein
B	50755379	PREDICTED: similar to mKIAA1924 protein

B	50795749	PREDICTED: similar to mKIAA3023 protein, partial
B	50757695	PREDICTED: similar to MLL septin-like fusion
B	50762130	PREDICTED: similar to Mob3b protein
B	50756401	PREDICTED: similar to MondoA
B	50748000	PREDICTED: similar to MORT
B	50728098	PREDICTED: similar to MOV10-like 1; Mov10 (mouse)-like 1
B	50752650	PREDICTED: similar to mSin3A
B	50746937	PREDICTED: similar to MTSG1
B	50752711	PREDICTED: similar to Mucosa associated lymphoid tissue lymphoma trans
B	50751546	PREDICTED: similar to MUF1 protein; likely ortholog of mouse MUF1; elo
B	50746823	PREDICTED: similar to Multimerin 1
B	50751690	PREDICTED: similar to multiple PDZ domain protein
B	50751510	PREDICTED: similar to mutY homolog; mutY (E. coli) homolog
B	50752540	PREDICTED: similar to myeloid leukemia factor 1
B	50761739	PREDICTED: similar to Myeloid/lymphoid or mixed-lineage leukemia (trithorax)
B	50758008	PREDICTED: similar to Myeloperoxidase
B	50758380	PREDICTED: similar to myosin head domain containing 1
B	50752552	PREDICTED: similar to Myosin heavy chain, nonmuscle type A (Cellular m
B	50752685	PREDICTED: similar to myosin IXA
B	50783410	PREDICTED: similar to Myosin Vc (Myosin 5C)
B	50732235	PREDICTED: similar to N-acetylgalactosaminyltransferase; similar to Q1
B	50761876	PREDICTED: similar to N-acetylneuraminic acid phosphate synthase; sial
B	50755345	PREDICTED: similar to NADH dehydrogenase
B	50736146	PREDICTED: similar to NADH dehydrogenase (ubiquinone) Fe-S protein 6
B	50787998	PREDICTED: similar to NADH dehydrogenase (ubiquinone) flavoprotein 1
B	50761629	PREDICTED: similar to NADH dehydrogenase [Gallus Gallus]
B	50790092	PREDICTED: similar to NADH dehydrogenase 24 kDa subunit (AA 6-217)
B	50800491	PREDICTED: similar to NADH2 dehydrogenase (ubiquinone) (EC 1.6.5.3) 24
B	50755667	PREDICTED: similar to NADH-ubiquinone oxidoreductase PDSW subunit
B	50731187	PREDICTED: similar to NADPH oxidase 4
B	50753272	PREDICTED: similar to NADPH oxidase 5 alpha
B	50745786	PREDICTED: similar to NADPH oxidase homolog 1 (NOX-1) (NOH-1) (NADH/NA
B	50797004	PREDICTED: similar to NADPH-dependent retinol dehydrogenase/reductase
B	50753701	PREDICTED: similar to naked cuticle homolog 1; Dvl-binding protein; na
B	50736200	PREDICTED: similar to Nbla10363
B	50749805	PREDICTED: similar to Nebulin-related anchoring protein
B	50732229	PREDICTED: similar to NEDD8 ultimate buster-1 (NY-REN-18 antigen)
B	50750105	PREDICTED: similar to NEDD8-conjugating enzyme

B	50784285	PREDICTED: similar to NEDD9 interacting protein with calponin homology
B	50757117	PREDICTED: similar to Nek6-prov protein
B	50759151	PREDICTED: similar to nephrocystin-4
B	50752564	PREDICTED: similar to Neprilysin (Neutral endopeptidase) (NEP) (Enkeph
B	50756180	PREDICTED: similar to netrin-2
B	50757263	PREDICTED: similar to Netrin-G2a
B	50732509	PREDICTED: similar to Neurabin-I (Neural tissue-specific F-actin bindi
B	50747551	PREDICTED: similar to neural stem cell-derived dendrite regulator, par
B	50759874	PREDICTED: similar to neural visinin-like protein 2
B	50732539	PREDICTED: similar to Neurexophilin 1
B	50744744	PREDICTED: similar to neuronal cell cycle withdrawal protein QN1 - qua
B	50728726	PREDICTED: similar to neuronal pentraxin receptor (Homo?)
B	50772322	PREDICTED: similar to neuropathy target esterase, partial
B	50746142	PREDICTED: similar to neuropeptide Y receptor Y2
B	50736281	PREDICTED: similar to neuropilin- and tolloid-like protein 1
B	50731310	PREDICTED: similar to Newborn ovary homeodomain protein
B	50750531	PREDICTED: similar to NF-kappa B activator TANK
B	50763216	PREDICTED: similar to Nkx5-1 protein, partial
B	50740593	PREDICTED: similar to NOD3 protein; CARD15-like
B	50755994	PREDICTED: similar to NOD3 protein; CARD15-like, partial
B	50756204	PREDICTED: similar to Noggin 2
B	50751272	PREDICTED: similar to Non-neuronal splice variant nPTB3
B	50754250	PREDICTED: similar to Nop132
B	50731091	PREDICTED: similar to NPAT
B	50760993	PREDICTED: similar to nuclear orphan receptor ROR-beta
B	50728310	PREDICTED: similar to Nuclear pore complex protein Nup107
B	50728556	PREDICTED: similar to Nuclear pore complex protein Nup205
B	50754913	PREDICTED: similar to nuclear receptor binding SET domain protein 1 is
B	50731599	PREDICTED: similar to Nuclear receptor coactivator 2 (NCoA-2)
B	50733493	PREDICTED: similar to nuclear transcription factor, X-box binding 1 is
B	50732279	PREDICTED: similar to Nucleolar GTP-binding protein 1 (Chronic renal f
B	50766919	PREDICTED: similar to nucleoporin 98kD isoform 1; Nup98-Nup96 precurso
B	50728882	PREDICTED: similar to Nucleoporin Nup37 (p37)
B	50746653	PREDICTED: similar to Nucleoporin p54 (54 kDa nucleoporin)
B	50754301	PREDICTED: similar to Nup210 protein
B	50776580	PREDICTED: similar to Nup98 protein, partial
B	50751400	PREDICTED: similar to NYD-SP30 protein
B	50759518	PREDICTED: similar to Olf-1/EBF-like-3 transcription factor
B	50800330	PREDICTED: similar to olfactory receptor 115, partial
B	50794916	PREDICTED: similar to olfactory receptor 127
B	50808715	PREDICTED: similar to olfactory receptor Olfr115, partial
B	50763183	PREDICTED: similar to olfactory receptor Olr1365; similar to OLFACTORY
B	50789909	PREDICTED: similar to olfactory receptor Olr1368; similar to OLFACTORY
B	50742769	PREDICTED: similar to Olig3 protein

B	50746258	PREDICTED: similar to OL-protocadherin isoform
B	50760257	PREDICTED: similar to one twenty two protein
B	50751604	PREDICTED: similar to origin recognition complex protein 1
B	50760419	PREDICTED: similar to Orphan nuclear receptor FOR1
B	50728396	PREDICTED: similar to Orphan sodium- and chloride-dependent neurotrans
B	50728572	PREDICTED: similar to Osteocalcin
B	50754957	PREDICTED: similar to ovomucoid precursor - CHICKen
B	50758905	PREDICTED: similar to ovulatory protein-2 precursor
B	50729736	PREDICTED: similar to OX-2 membrane glycoprotein precursor (MRC OX-2 a
B	50728364	PREDICTED: similar to Oxysterol-binding protein-like protein 8
B	50745382	PREDICTED: similar to p150 target of rapamycin (TOR)-scaffold protein
B	50733589	PREDICTED: similar to p53-inducible RING finger protein
B	50761092	PREDICTED: similar to P66 alpha
B	50731005	PREDICTED: similar to PABP1-dependent poly A-specific ribonuclease sub
B	50732127	PREDICTED: similar to PACAP receptor
B	50733658	PREDICTED: similar to PAK1 interacting protein 1
B	50749837	PREDICTED: similar to Pancreatic lipase related protein 1 precursor
B	50759183	PREDICTED: similar to pantothenate kinase 4
B	50762049	PREDICTED: similar to paralemmin-2
B	50746889	PREDICTED: similar to PDZ domain containing 8
B	50745914	PREDICTED: similar to PDZ domain containing ring finger 1
B	50796980	PREDICTED: similar to Pello protein, partial
B	50750236	PREDICTED: similar to peptide elongation factor 1-beta
B	50757598	PREDICTED: similar to Perforin 1
B	50753725	PREDICTED: similar to peroxisomal lon protease
B	50748478	PREDICTED: similar to Peroxisomal membrane protein-1 like protein
B	50756079	PREDICTED: similar to Peroxisome assembly factor-2 (PAF-2)
B	50750091	PREDICTED: similar to PF20
B	50749697	PREDICTED: similar to PGC-1 related co-activator
B	50806924	PREDICTED: similar to pH sensitive maxi K channel
B	50758240	PREDICTED: similar to PHD zinc finger transcription factor
B	50756213	PREDICTED: similar to phosphatidylinositol 4-kinase, catalytic, alpha
B	50732375	PREDICTED: similar to Phosphatidylinositol-4-phosphate 5-kinase type I
B	50746735	PREDICTED: similar to phosphodiesterase 5A
B	50731580	PREDICTED: similar to Phosphodiesterase 7A
B	50757540	PREDICTED: similar to Phosphohistidine phosphatase 1
B	50764683	PREDICTED: similar to Phospholipase C epsilon
B	50731393	PREDICTED: similar to PHR1
B	50747972	PREDICTED: similar to Plasma protease C1 inhibitor
B	50729064	PREDICTED: similar to PLC-zeta
B	50748330	PREDICTED: similar to Pleckstrin 2
B	50742637	PREDICTED: similar to pleiomorphic adenoma gene-like 1
B	50791372	PREDICTED: similar to plexin domain containing 1
B	50782517	PREDICTED: similar to pogo transposable element with ZNF domain
B	50764802	PREDICTED: similar to pol protein
B	50759784	PREDICTED: similar to polycystic kidney disease 1-like
B	50749558	PREDICTED: similar to Polycystic kidney disease 2-like 1 protein

B	50761061	PREDICTED: similar to Polypyrimidine tract-binding protein 1
B	50740494	PREDICTED: similar to potassium channel TASK2
B	50758174	PREDICTED: similar to Potassium channel tetramerisation domain containing 7
B	50746106	PREDICTED: similar to Potassium channel tetramerisation domain containing 8
B	50759033	PREDICTED: similar to Potassium voltage-gated channel subfamily KQT member 2
B	50744806	PREDICTED: similar to Potassium voltage-gated channel subfamily KQT member 5
B	50750517	PREDICTED: similar to potassium voltage-gated channel, subfamily H, member 7
B	50730528	PREDICTED: similar to Potential phospholipid-transporting ATPase IH
B	50760999	PREDICTED: similar to Potential phospholipid-transporting ATPase IK
B	50730745	PREDICTED: similar to POU domain, class 4, transcription factor 1
B	50733631	PREDICTED: similar to PP5242
B	50790385	PREDICTED: similar to Prc1-prov protein
B	50729991	PREDICTED: similar to PRDM15 protein
B	50806317	PREDICTED: similar to PR-domain zinc finger protein 6
B	50759080	PREDICTED: similar to preexisting nuclear factor of activated T-cells
B	50753627	PREDICTED: similar to Pregnancy-induced growth inhibitor
B	50747970	PREDICTED: similar to Pre-mRNA cleavage complex II protein Clp1
B	50731578	PREDICTED: similar to P-Rex2 protein
B	50729414	PREDICTED: similar to proacrosin binding protein
B	50758921	PREDICTED: similar to Probable ATP-dependent RNA helicase DDX27
B	50756537	PREDICTED: similar to Probable tumor suppressor protein MN1
B	50752229	PREDICTED: similar to procollagen-lysine, 2-oxoglutarate 5-dioxygenase
B	50749316	PREDICTED: similar to procollagen-proline dioxygenase
B	50768419	PREDICTED: similar to Proliferation-associated protein 1
B	50748074	PREDICTED: similar to prostate cancer antigen-1
B	50731914	PREDICTED: similar to prostate stem cell antigen
B	50760616	PREDICTED: similar to Proteasomal ATPase (SUG1)
B	50752781	PREDICTED: similar to Proteasome subunit alpha type 4 (Proteasome component C9)
B	50764991	PREDICTED: similar to Protein BAP28
B	50738574	PREDICTED: similar to Protein C20orf26
B	50734589	PREDICTED: similar to Protein C20orf77 homolog
B	50729955	PREDICTED: similar to Protein C21orf5
B	50754935	PREDICTED: similar to protein expressed in T-cells and eosinophils in atopic dermatitis
B	50740188	PREDICTED: similar to Protein HSPC163
B	50731978	PREDICTED: similar to Protein KIAA0196
B	50751352	PREDICTED: similar to protein kinase C-like 2
B	50748756	PREDICTED: similar to Protein phosphatase 1, regulatory (inhibitor) subunit 13B
B	50728752	PREDICTED: similar to protein that interacts with C kinase 1
B	50750656	PREDICTED: similar to Protein tyrosine phosphatase, non-receptor type 4
B	50728376	PREDICTED: similar to Protein tyrosine phosphatase, receptor type, Q
B	50761848	PREDICTED: similar to Protein-tyrosine kinase

B	50731227	PREDICTED: similar to protein-tyrosine kinase STK-1
B	50728336	PREDICTED: similar to Protein-tyrosine phosphatase beta
B	50745798	PREDICTED: similar to Protocadherin 19
B	50731205	PREDICTED: similar to Protocadherin 8
B	50729188	PREDICTED: similar to protofilament ribbon protein
B	50759611	PREDICTED: similar to Prp8bp-pending protein
B	50730284	PREDICTED: similar to PRPS2 protein
B	50759792	PREDICTED: similar to PTB-associated splicing factor
B	50745172	PREDICTED: similar to PTK2B protein tyrosine kinase 2 beta
B	50751290	PREDICTED: similar to PTPL1-associated RhoGAP 1
B	50764905	PREDICTED: similar to PTPRF interacting protein alpha 1
B	50759604	PREDICTED: similar to Pumilio homolog 1
B	50752309	PREDICTED: similar to putative 40-2-3 protein
B	50732838	PREDICTED: similar to putative acyl-CoA dehydrogenase
B	50773092	PREDICTED: similar to Putative chromatin structure regulator
B	50745940	PREDICTED: similar to Putative copper efflux ATPase
B	50753212	PREDICTED: similar to putative neuronal cell adhesion molecule
B	50757514	PREDICTED: similar to putative nuclear factor
B	50729913	PREDICTED: similar to Putative protein C21orf45
B	50763964	PREDICTED: similar to Putative U5 small nuclear ribonucleoprotein 200
B	50750874	PREDICTED: similar to PWnt-10a
B	50731894	PREDICTED: similar to pyrroline-5-carboxylate reductase-like
B	50751774	PREDICTED: similar to Rab geranylgeranyltransferase, beta subunit
B	50757961	PREDICTED: similar to rab11-family interacting protein 4
B	50750109	PREDICTED: similar to Rab17
B	50731265	PREDICTED: similar to RAB38
B	50728330	PREDICTED: similar to RAB3A interacting protein
B	50751596	PREDICTED: similar to RAB3C, member RAS oncogene family
B	50806707	PREDICTED: similar to Rac GTPase activating protein 1
B	50755190	PREDICTED: similar to RAD50 homolog
B	50728075	PREDICTED: similar to Rad50-interacting protein 1
B	50758953	PREDICTED: similar to RAE1 RNA export 1 homolog
B	50748059	PREDICTED: similar to RAG1
B	50752978	PREDICTED: similar to rai-like protein
B	50782265	PREDICTED: similar to Ral guanine nucleotide dissociation stimulator
B	50751134	PREDICTED: similar to Ral-A exchange factor RalGPS2
B	50761577	PREDICTED: similar to Ran binding protein 11
B	50745736	PREDICTED: similar to Rap2c-prov protein
B	50761671	PREDICTED: similar to Ras GTPase-activating-like protein IQGAP2
B	50740612	PREDICTED: similar to RAS guanyl releasing protein 3
B	50761969	PREDICTED: similar to Ras protein-specific guanine nucleotide-releasing factor 2
B	50730502	PREDICTED: similar to Rasa3 protein
B	50755015	PREDICTED: similar to Ras-GTPase-activating protein binding protein 1
B	50794960	PREDICTED: similar to RBM4-like protein
B	50733460	PREDICTED: similar to receptor (calcitonin) activity modifying protein
B	50750107	PREDICTED: similar to receptor-activity modifying protein 1
B	50744808	PREDICTED: similar to Regulating synaptic membrane exocytosis protein
B	50749865	PREDICTED: similar to Regulator of G-protein signaling 10 (RGS10)
B	50751188	PREDICTED: similar to Regulator of G-protein signalling like 2

B	50761112	PREDICTED: similar to Regulator of nonsense transcripts 1
B	50760335	PREDICTED: similar to regulatory erythroid kinase long form
B	50752387	PREDICTED: similar to Replication factor C (activator 1) 4
B	50741998	PREDICTED: similar to Reticulocalbin
B	50737773	PREDICTED: similar to retinitis pigmentosa 1 protein
B	50745330	PREDICTED: similar to retinitis pigmentosa 1-like 1
B	50754345	PREDICTED: similar to retinoblastoma-associated protein 140
B	50728994	PREDICTED: similar to Retinoblastoma-binding protein 2 (RBBP-2)
B	50728606	PREDICTED: similar to Retinoic acid inducible protein 3
B	50730741	PREDICTED: similar to reverse transcriptase like family member (3K694)
B	50779517	PREDICTED: similar to reversion-induced LIM protein
B	50755691	PREDICTED: similar to Rfwd1-prov protein
B	50745589	PREDICTED: similar to Rho GTPase activating protein 20
B	50748023	PREDICTED: similar to Rho GTPase-activating protein; brain-specific
B	50744880	PREDICTED: similar to Rho guanine nucleotide exchange factor 10
B	50794066	PREDICTED: similar to Rho guanine nucleotide exchange factor 11
B	50731077	PREDICTED: similar to RhoGTPase regulating protein variant ARHGAP20-1b
B	50756383	PREDICTED: similar to Rho-related GTP-binding protein RhoF
B	50809093	PREDICTED: similar to riboflavin kinase
B	50778717	PREDICTED: similar to Ribonucleases P/MRP protein subunit POP1 (hPOP1)
B	50755301	PREDICTED: similar to ribonucleoprotein
B	50759886	PREDICTED: similar to ribosomal protein L11 60S
B	50754217	PREDICTED: similar to ribosomal protein L29
B	50752315	PREDICTED: similar to ribosomal protein L32
B	50746421	PREDICTED: similar to ribosomal protein L34; 60S
B	50753244	PREDICTED: similar to ribosomal protein L4, cytosolic
B	50758757	PREDICTED: similar to ribosomal protein S21; 40S
B	50752813	PREDICTED: similar to ribosomal protein S27 40S
B	50730923	PREDICTED: similar to ribosomal protein S31 28S
B	50775921	PREDICTED: similar to ribosomal protein S5
B	50751488	PREDICTED: similar to ribosomal protein S8 40S
B	50758356	PREDICTED: similar to RIKEN cDNA 0610013E23
B	50760600	PREDICTED: similar to RIKEN cDNA 0610025L06
B	50728636	PREDICTED: similar to RIKEN cDNA 1110014J01
B	50759241	PREDICTED: similar to RIKEN cDNA 1110035L05
B	50727993	PREDICTED: similar to RIKEN cDNA 1200009B18
B	50748734	PREDICTED: similar to RIKEN cDNA 1200009I06
B	50758098	PREDICTED: similar to RIKEN cDNA 1200011O22
B	50758184	PREDICTED: similar to RIKEN cDNA 1200014J11
B	50806635	PREDICTED: similar to RIKEN cDNA 1200016B10
B	50732042	PREDICTED: similar to RIKEN cDNA 1700010C24
B	50762987	PREDICTED: similar to RIKEN cDNA 1700011J18
B	50751516	PREDICTED: similar to RIKEN cDNA 1810037K07
B	50757977	PREDICTED: similar to RIKEN cDNA 1810049H13
B	50749861	PREDICTED: similar to RIKEN cDNA 1810055E12
B	50740719	PREDICTED: similar to RIKEN cDNA 2310005N03
B	50753944	PREDICTED: similar to RIKEN cDNA 2310046N15
B	50731255	PREDICTED: similar to RIKEN cDNA 2310067E08

B	50797652	PREDICTED: similar to RIKEN cDNA 2410104I19
B	50730735	PREDICTED: similar to RIKEN cDNA 2410129H14
B	50749296	PREDICTED: similar to RIKEN cDNA 2510003E04
B	50751964	PREDICTED: similar to RIKEN cDNA 2610101N10
B	50731411	PREDICTED: similar to RIKEN cDNA 2610209A20
B	50761476	PREDICTED: similar to RIKEN cDNA 2610528A15
B	50757099	PREDICTED: similar to RIKEN cDNA 2610528K11
B	50745280	PREDICTED: similar to RIKEN cDNA 2610528M18
B	50740605	PREDICTED: similar to RIKEN cDNA 2810405J04
B	50756327	PREDICTED: similar to RIKEN cDNA 2900002H16
B	50752478	PREDICTED: similar to RIKEN cDNA 3110001N18
B	50757909	PREDICTED: similar to RIKEN cDNA 3110023B02
B	50751600	PREDICTED: similar to RIKEN cDNA 4632412E09
B	50730492	PREDICTED: similar to RIKEN cDNA 4831416G18
B	50748838	PREDICTED: similar to RIKEN cDNA 4921529O18
B	50728494	PREDICTED: similar to RIKEN cDNA 4921537D05
B	50731163	PREDICTED: similar to RIKEN cDNA 4930553M18
B	50730079	PREDICTED: similar to RIKEN cDNA 4930578C19
B	50731211	PREDICTED: similar to RIKEN cDNA 4933415L06
B	50745758	PREDICTED: similar to RIKEN cDNA 4933424A10
B	50751768	PREDICTED: similar to RIKEN cDNA 5230400J09
B	50731517	PREDICTED: similar to RIKEN cDNA 5430407P10
B	50753041	PREDICTED: similar to RIKEN cDNA 6030468D11
B	50730891	PREDICTED: similar to RIKEN cDNA 6330409N04
B	50761995	PREDICTED: similar to RIKEN cDNA 6430502M16
B	50730929	PREDICTED: similar to RIKEN cDNA 8030451K01
B	50728180	PREDICTED: similar to RIKEN cDNA 8430437G11
B	50746755	PREDICTED: similar to RIKEN cDNA 9330196J05
B	50796346	PREDICTED: similar to RIKEN cDNA 9330199A09
B	50751252	PREDICTED: similar to RIKEN cDNA 9430028I06
B	50750298	PREDICTED: similar to RIKEN cDNA 9430067K14
B	50803143	PREDICTED: similar to RIKEN cDNA A430081C19
B	50760031	PREDICTED: similar to RIKEN cDNA A530090G11
B	50745541	PREDICTED: similar to RIKEN cDNA A630033H20
B	50760301	PREDICTED: similar to RIKEN cDNA A630065K24
B	50765261	PREDICTED: similar to RIKEN cDNA A730011O11
B	50755497	PREDICTED: similar to RIKEN cDNA A930021H16
B	50801547	PREDICTED: similar to RIKEN cDNA B130050I23
B	50745601	PREDICTED: similar to RIKEN cDNA B930011H20
B	50755411	PREDICTED: similar to RIKEN cDNA C530044N13
B	50752269	PREDICTED: similar to RIKEN cDNA C630015F21
B	50729242	PREDICTED: similar to RIKEN cDNA C920005C14
B	50728976	PREDICTED: similar to RIKEN cDNA D030011O10
B	50728626	PREDICTED: similar to RIKEN cDNA D130059P03
B	50802875	PREDICTED: similar to RIKEN cDNA D130064H19
B	50752299	PREDICTED: similar to RIKEN cDNA D630035O19
B	50757277	PREDICTED: similar to RIKEN cDNA D830019K17
B	50761081	PREDICTED: similar to RIKEN cDNA E130308A19
B	50732688	PREDICTED: similar to RIKEN cDNA G430041M01
B	50754165	PREDICTED: similar to ring finger protein 123
B	50731791	PREDICTED: similar to RING finger protein 19

B	50751182	PREDICTED: similar to Ring finger protein 2
B	50806339	PREDICTED: similar to RNA (guanine-9-) methyltransferase domain containing 3
B	50795228	PREDICTED: similar to RNA binding motif protein 14
B	50732780	PREDICTED: similar to RNA binding motif, single stranded interacting protein
B	50763541	PREDICTED: similar to RNA polymerase transcriptional regulation mediator, subunit 6 homolog
B	50758416	PREDICTED: similar to RNA-binding protein Musashi2-L
B	50758729	PREDICTED: similar to RPE-spondin
B	50760435	PREDICTED: similar to Rpl10a-prov protein
B	50749749	PREDICTED: similar to RRP5 protein homolog
B	50758430	PREDICTED: similar to RUTBC1 protein
B	50778093	PREDICTED: similar to Ryanodine receptor 1
B	50748241	PREDICTED: similar to S164
B	50754027	PREDICTED: similar to Saccharomyces cerevisiae Nip7p homolog
B	50742514	PREDICTED: similar to SAM and SH3 domains containing protein 1
B	50729850	PREDICTED: similar to SAM-domain protein SAMSN-1
B	50759796	PREDICTED: similar to SAP90/PSD-95 associated protein 3
B	50758539	PREDICTED: similar to SAP90/PSD-95 associated protein 4
B	50785953	PREDICTED: similar to scavenger receptor class F, member 2
B	50729462	PREDICTED: similar to scavenger receptor cysteine-rich type 1 protein
B	50752534	PREDICTED: similar to schwannomin interacting protein 1
B	50732087	PREDICTED: similar to SCO-spondin
B	50746495	PREDICTED: similar to scrapie responsive protein 1
B	50769218	PREDICTED: similar to Scribble
B	50749873	PREDICTED: similar to Sec23-interacting protein p125
B	50746567	PREDICTED: similar to SEC31-like 1
B	50754395	PREDICTED: similar to Sec61 alpha subunit homolog
B	50752034	PREDICTED: similar to Secretogranin II
B	50729885	PREDICTED: similar to Secretory protein containing thrombospondin
B	50765546	PREDICTED: similar to Selenide,water dikinase 1
B	50782501	PREDICTED: similar to Selenium binding protein 1
B	50806409	PREDICTED: similar to semaphorin 4D
B	50749717	PREDICTED: similar to Semaphorin 4G
B	50752104	PREDICTED: similar to Septin
B	50756233	PREDICTED: similar to septin 2
B	50759930	PREDICTED: similar to Ser/Arg-related nuclear matrix protein
B	50731197	PREDICTED: similar to Serine protease 23
B	50746865	PREDICTED: similar to Serine protease DESC1
B	50753527	PREDICTED: similar to Serine/threonine-protein kinase H1
B	50740344	PREDICTED: similar to Serine/threonine-protein kinase Nek2
B	50752138	PREDICTED: similar to Serine/threonine-protein kinase PAK 2
B	50758633	PREDICTED: similar to serum/glucocorticoid regulated kinase 2
B	50740296	PREDICTED: similar to SET and MYND domain containing 2
B	50740707	PREDICTED: similar to SET and MYND domain containing protein 3
B	50782493	PREDICTED: similar to SET domain ERG-associated histone methyltransferase
B	50753260	PREDICTED: similar to sex-determination protein homolog Fem1b
B	50728264	PREDICTED: similar to SF21 protein
B	50761300	PREDICTED: similar to SFRS protein kinase 1

B	50728023	PREDICTED: similar to SFRS protein kinase 2
B	50757404	PREDICTED: similar to Sh2d3c-prov protein
B	50747266	PREDICTED: similar to SH3 domain and tetratricopeptide repeats 1
B	50729975	PREDICTED: similar to SH3 domain-binding glutamic acid-rich protein
B	50744776	PREDICTED: similar to SH3BGRL2 protein
B	50730360	PREDICTED: similar to short stature homeobox
B	50750252	PREDICTED: similar to shugoshin-like 2
B	50734124	PREDICTED: similar to Sl:bZ34G2.1 (novel protein)
B	50795094	PREDICTED: similar to Sl:bZ6L08.1 (novel protein similar to human cadh
B	50767074	PREDICTED: similar to Sialyltransferase 7
B	50757727	PREDICTED: similar to signal recognition particle 68kDa
B	50732403	PREDICTED: similar to signal transducing adaptor molecule 1
B	50728942	PREDICTED: similar to Single-stranded DNA binding protein 1
B	50750037	PREDICTED: similar to SLC11A3 iron transporter
B	50746119	PREDICTED: similar to SLIT and NTRK-like family, member 2
B	50754620	PREDICTED: similar to SLIT-ROBO Rho GTPase-activating protein 2
B	50755555	PREDICTED: similar to Smad ubiquitination regulatory factor 1
B	50753513	PREDICTED: similar to Small inducible cytokine A2
B	50728518	PREDICTED: similar to Small nuclear ribonucleoprotein F
B	50756613	PREDICTED: similar to Small nuclear ribonucleoprotein Sm D3
B	50762146	PREDICTED: similar to Smu-1 suppressor of mec-8 and unc-52 homolog
B	50742491	PREDICTED: similar to SNF2 histone linker PHD RING helicase
B	50729292	PREDICTED: similar to Sodium- and chloride-dependent betaine transporter
B	50795703	PREDICTED: similar to Sodium bicarbonate transporter 4
B	50758711	PREDICTED: similar to sodium-dependent high-affinity dicarboxylate transporter
B	50758440	PREDICTED: similar to solute carrier family 13
B	50753128	PREDICTED: similar to Solute carrier family 21 member 11
B	50744586	PREDICTED: similar to solute carrier family 22, member 16
B	50750910	PREDICTED: similar to Solute carrier family 25 member 24
B	50760315	PREDICTED: similar to Solute carrier family 41, member 1
B	50751962	PREDICTED: similar to solute carrier family 9
B	50748928	PREDICTED: similar to son of sevenless homolog 2
B	50732679	PREDICTED: similar to Sp4 transcription factor
B	50809216	PREDICTED: similar to Spectrin beta chain, brain 2
B	50750367	PREDICTED: similar to sperm specific antigen 2
B	50752989	PREDICTED: similar to Spermatogenesis associated 5-like 1
B	50762319	PREDICTED: similar to S-phase kinase-associated protein 2
B	50759732	PREDICTED: similar to Splicing factor 3A subunit 3 (Spliceosome associated)
B	50761204	PREDICTED: similar to splicing factor 4
B	50758198	PREDICTED: similar to Splicing factor Prp8
B	50728238	PREDICTED: similar to Splicing factor, arginine/serine-rich 2
B	50756486	PREDICTED: similar to Squamous cell carcinoma antigen recognized byT cells 3
B	50795959	PREDICTED: similar to Src-associated protein SAW
B	50756531	PREDICTED: similar to SRR1-like protein
B	50744552	PREDICTED: similar to ST3A1

B	50758216	PREDICTED: similar to Sterile alpha and TIR motif containing 1
B	50766897	PREDICTED: similar to sterile-alpha motif and leucine zipper containing kinase AZK
B	50728656	PREDICTED: similar to Sterol regulatory element binding protein-2
B	50739056	PREDICTED: similar to Stoned B-like factor
B	50758496	PREDICTED: similar to Stromal cell-derived factor 2
B	50796184	PREDICTED: similar to Stromal interaction molecule 1
B	50751221	PREDICTED: similar to superficial zone protein
B	50755896	PREDICTED: similar to Suppressor of cytokine signaling 1 (SOCS-1)
B	50796810	PREDICTED: similar to Suppressor of cytokine signaling 7
B	50748452	PREDICTED: similar to survivor of motor neuron protein interacting protein
B	50732155	PREDICTED: similar to SVAP1 protein
B	50731826	PREDICTED: similar to synaptic regulatory protein RIM3 gamma
B	50742615	PREDICTED: similar to Synaptojanin 2
B	50749394	PREDICTED: similar to synaptopodin 2-like
B	50745982	PREDICTED: similar to synaptotagmin-like protein 2-a delta 2S-I
B	50744736	PREDICTED: similar to Syncrip protein
B	50751100	PREDICTED: similar to syntaxin 6
B	50757643	PREDICTED: similar to syntaxin 8
B	50748376	PREDICTED: similar to Syntaxin binding protein 6
B	50753798	PREDICTED: similar to System asc amino acid transporter Asc-1
B	50728280	PREDICTED: similar to T2K protein kinase homolog
B	50758120	PREDICTED: similar to TAF15 RNA polymerase II, TATA box binding protein
B	50741356	PREDICTED: similar to TAR RNA binding protein 1
B	50729616	PREDICTED: similar to TATA box-binding protein-associated factor, RNA
B	50795133	PREDICTED: similar to TATA element modulatory factor 1
B	50731552	PREDICTED: similar to TBC1 domain family protein C22orf4 homolog
B	50745017	PREDICTED: similar to TBP-associated factor 1B
B	50752554	PREDICTED: similar to TCDD-inducible poly(ADP-ribose) polymerase
B	50730129	PREDICTED: similar to T-complex associated-testis-expressed 1-like
B	50757653	PREDICTED: similar to tektin 3
B	50750824	PREDICTED: similar to telomere-associated protein RIF1
B	50751146	PREDICTED: similar to Tenascin N
B	50731288	PREDICTED: similar to Ten-m4
B	50730001	PREDICTED: similar to Testes specific A2 homolog
B	50741440	PREDICTED: similar to Tetratricopeptide repeat domain 13
B	50752411	PREDICTED: similar to Tetratricopeptide repeat domain 14
B	50730476	PREDICTED: similar to TGF beta receptor associated protein -1
B	50761557	PREDICTED: similar to thrombospondin-4
B	50728898	PREDICTED: similar to thromboxane synthase
B	50769507	PREDICTED: similar to THUMP domain containing 2
B	50728448	PREDICTED: similar to Thyrotropin-releasing hormone degrading ectoenzyme
B	50757546	PREDICTED: similar to TNF receptor-associated factor 2 (TRAF2)
B	50742696	PREDICTED: similar to TNF, alpha-induced protein 3
B	50731209	PREDICTED: similar to TNFLSF11 (OPGL)
B	50757464	PREDICTED: similar to TNFLSF15
B	50736317	PREDICTED: similar to Topoisomerase-related function protein

B	50736245	PREDICTED: similar to TRAF and TNF receptor-associated protein
B	50746767	PREDICTED: similar to TRAF2 binding protein; TRAF6 binding protein
B	50760367	PREDICTED: similar to TRAF3-interacting JNK-activating modulator
B	50758234	PREDICTED: similar to TRAF4
B	50749965	PREDICTED: similar to TRAF-binding protein
B	50752574	PREDICTED: similar to TRALPUSH
B	50737610	PREDICTED: similar to Transcription elongation factor IIS
B	50755234	PREDICTED: similar to transcription elongation regulator 1
B	50800057	PREDICTED: similar to transcription factor
B	50795963	PREDICTED: similar to Transcription factor BTF3
B	50760271	PREDICTED: similar to Transcription factor ETV7
B	50759171	PREDICTED: similar to transcription factor MEL1
B	50737160	PREDICTED: similar to Transcription initiation factor TFIID 105 kDa subunit
B	50753819	PREDICTED: similar to Transcription initiation factor TFIID subunit 4
B	50728910	PREDICTED: similar to Transcription intermediary factor 1-alpha
B	50760409	PREDICTED: similar to Transcription intermediary factor 1-gamma
B	50729638	PREDICTED: similar to transcription termination factor, RNA polymerase
B	50746216	PREDICTED: similar to Transcriptional coactivator tubedown-100
B	50806288	PREDICTED: similar to Transforming acidic coiled-coil-containing protein
B	50752897	PREDICTED: similar to transient receptor potential cation channel, subfamily M, member 1
B	50730939	PREDICTED: similar to Transient receptor potential channel 4 epsilon
B	50756321	PREDICTED: similar to Translation initiation factor eIF-2B alpha subunit
B	50752488	PREDICTED: similar to translocation protein 1
B	50741032	PREDICTED: similar to Transmembrane 7 superfamily protein member 1
B	50755858	PREDICTED: similar to transmembrane channel-like 5
B	50759063	PREDICTED: similar to Transmembrane prostate androgen-induced protein
B	50760103	PREDICTED: similar to Transmembrane protein 24 (DLNB23 protein)
B	50760956	PREDICTED: similar to transmembrane serine protease 9; polyserase 1
B	50755039	PREDICTED: similar to Treacle
B	50740375	PREDICTED: similar to Trerf1 protein
B	50806382	PREDICTED: similar to tripartite motif protein 36; zinc-binding protein
B	50757994	PREDICTED: similar to tripartite motif protein 50
B	50786249	PREDICTED: similar to Tripartite motif protein 7
B	50749729	PREDICTED: similar to tripartite motif protein 8; ring finger protein
B	50760119	PREDICTED: similar to Tripartite motif protein TRIM29
B	50746128	PREDICTED: similar to Tripartite motif-containing 2
B	50756865	PREDICTED: similar to tripartite motif-containing 41
B	50747788	PREDICTED: similar to TUBBY PROTEIN HOMOLOG
B	50749817	PREDICTED: similar to Tudor domain containing protein 1
B	50750822	PREDICTED: similar to Tumor necrosis factor-inducible protein TSG-6
B	50745109	PREDICTED: similar to Tumor protein p53 inducible protein 3
B	50728222	PREDICTED: similar to twinfilin isoform 1; protein tyrosine kinase 9
B	50756789	PREDICTED: similar to two pore segment channel 1
B	50747990	PREDICTED: similar to two pore segment channel 2
B	50754646	PREDICTED: similar to tyrotropin releasing hormone

B	50731732	PREDICTED: similar to Ubiquinol-cytochrome C reductase complex 14 kDa
B	50748225	PREDICTED: similar to ubiquitin protein ligase E3 component n-recognin
B	50729895	PREDICTED: similar to Ubiquitin specific protease 16
B	50755743	PREDICTED: similar to ubiquitin specific protease 31
B	50730107	PREDICTED: similar to ubiquitin specific protease 9
B	50761182	PREDICTED: similar to Ubiquitin-like, containing PHD and RING finger
B	50760495	PREDICTED: similar to Ubiquitin-specific proteinase 49
B	50730635	PREDICTED: similar to UDP-glucose ceramide glucosyltransferase-like 1
B	50750832	PREDICTED: similar to UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13
B	50745678	PREDICTED: similar to UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase
B	50730404	PREDICTED: similar to unc-50 related protein (UNCL)
B	50729369	PREDICTED: similar to Uncharacterized hematopoietic stem/progenitor cells protein MDS028
B	50766388	PREDICTED: similar to UPF0101 protein CGI-137 (Protein AD-004)
B	50729566	PREDICTED: similar to Uroplakin 1B
B	50738283	PREDICTED: similar to vaccinia related kinase 2
B	50802069	PREDICTED: similar to vacuolar protein sorting 16
B	50766745	PREDICTED: similar to Vacuolar protein sorting factor 4A
B	50742751	PREDICTED: similar to Vascular non-inflammatory molecule 3
B	50746725	PREDICTED: similar to VLLH2748
B	50753909	PREDICTED: similar to Voltage-gated potassium channel subunit Kv6.3
B	50750497	PREDICTED: similar to Voltage-gated sodium channel type II alpha subunit
B	50751913	PREDICTED: similar to WD repeat domain 33
B	50732283	PREDICTED: similar to WD repeat domain 37
B	50732217	PREDICTED: similar to WD repeat endosomal protein
B	50757777	PREDICTED: similar to WD-repeat protein CGI-48
B	50746379	PREDICTED: similar to Werner syndrome protein
B	50802439	PREDICTED: similar to Williams Beuren syndrome chromosome region 22
B	50758042	PREDICTED: similar to Williams-Beuren syndrome chromosome region 16
B	50741755	PREDICTED: similar to Wilms tumor 1-associating protein
B	50729206	PREDICTED: similar to WW domain binding protein 11
B	50753861	PREDICTED: similar to WW domain-containing oxidoreductase
B	50731682	PREDICTED: similar to WW domain-containing protein 1
B	50757476	PREDICTED: similar to Xgs protein
B	50756685	PREDICTED: similar to Yeast translation activator GCN1 like (3D287)
B	50753928	PREDICTED: similar to ZDHC7 protein
B	50751808	PREDICTED: similar to Zgc:56161
B	50761730	PREDICTED: similar to Zgc:63539
B	50750716	PREDICTED: similar to Zgc:63859
B	50756809	PREDICTED: similar to Zgc:73406 protein
B	50745338	PREDICTED: similar to Zgc:77898
B	50755429	PREDICTED: similar to zinc finger CCCH type domain containing 7
B	50781471	PREDICTED: similar to zinc finger protein 211

B	50736248	PREDICTED: similar to Zinc finger protein 236
B	50740833	PREDICTED: similar to zinc finger protein 238
B	50759788	PREDICTED: similar to zinc finger protein 262
B	50728420	PREDICTED: similar to zinc finger protein 312
B	50729418	PREDICTED: similar to Zinc finger protein 384
B	50731948	PREDICTED: similar to Zinc finger protein 406
B	50736350	PREDICTED: similar to Zinc finger protein 407
B	50744836	PREDICTED: similar to Zinc finger protein 451
B	50761936	PREDICTED: similar to Zinc finger protein 462
B	50802614	PREDICTED: similar to zinc finger protein 621
B	50759407	PREDICTED: similar to zinc finger protein RIZ
B	50762266	PREDICTED: similar to zinc finger RNA binding protein
B	50751504	PREDICTED: similar to Zinc finger SWIM domain containing protein 5
B	50751422	PREDICTED: similar to zinc finger, ZZ domain containing 3
B	50749540	PREDICTED: similar to zinc-finger protein NOLZ1
B	50807981	PREDICTED: similar to Zipper protein
B	50744730	PREDICTED: similar to Zn-15 transcription factor
B	50747816	PREDICTED: tryptophan hydroxylase
B	12958564	programmed cell death 4 protein
B	2492516	Protease regulatory subunit 4 (P26s4)
B	2851557	Proteasome subunit beta type 5 (Proteasome chain 1)
B	30268674	Proteasome subunit Z
B	2134385	Protein kinase
B	22256948	Protein kinase C and casein kinase substrate
B	33355442	protein phosphatase 3 regulatory subunit B alpha isoform type 1
B	5853305	Protein serine/threonine kinase (AKT2)
B	345664	Protein-tyrosine kinase
B	2118908	Protein-tyrosine-phosphatase
B	47551309	Protocadherin 10
B	120469	Proto-oncogene protein c-fos
B	3243095	Putative chemokine receptor
B	13992475	Putative FK506-binding protein
B	23893706	Putative high affinity choline transporter 1
B	125608	Pyruvate kinase, muscle isozyme - CHICKen
B	45382735	Qin-induced kinase
B	984118	RAGS
B	7512235	Ras-responsive element binding transcription factor
B	63448	Reading frame H2A.
B	45383358	receptor (TNFRSF)-interacting serine-threonine kinase 1
B	627335	Receptor binding factor 1
B	20139382	Reelin
B	31745477	Regulator of G-protein signaling 4
B	23305592	Regulator of G-protein signaling protein GAIP
B	28071277	Restricted expression proliferation associated protein-100
B	13549081	Rho-associated coiled-coil forming kinase 1
B	45383834	Ribosomal protein L22
B	45383832	Ribosomal protein L36
B	133048	RIBOSOMAL PROTEIN P1 60S ACIDIC
B	44968137	Ribosomal protein S3
B	1710781	RIBOSOMAL PROTEIN SA 40S
B	20898514	RIKEN cDNA 4732495G21

B	13752369	Ring finger protein
B	48475042	RP65_CHICK Retinal pigment epithelium-specific 65 kDa protein
B	572692	SCII
B	45383618	semaphorin 3F
B	19110797	Sentrin
B	27436288	Serine/threonine kinase
B	464647	Serine/threonine-protein kinase
B	22652328	Seven in absentia
B	3309261	Signal transducer and activator of transcription 5B
B	57525173	similar to anaphase-promoting complex subunit 5
B	37539259	Similar to C type lectin, B locus
B	57529478	similar to cytokine-like nuclear factor n-pac
B	20821502	Similar to high mobility group 1 protein
B	57529282	similar to MO25-like protein
B	57529566	similar to selenoprotein T [Gallus Gallus]
B	34875033	Similar to sidekick 2
B	6094292	SIX3 Homeobox protein SIX3
B	15281511	Slit2 protein
B	16118485	Slit-3
B	29837126	SMC1 protein cohesin subunit
B	2500794	SMC2 Structural maintenance of chromosome 2
B	45642712	snoN; ski-related gene
B	17865512	Sodium/potassium/calcium exchanger 2
B	45382835	Spalt 2 protein
B	1334744	Spectrin alpha chain
B	2246389	Sucrase-isomaltase
B	539515	Superoxide dismutase (Fe/Mn)
B	14575518	Supporting-cell antigen
B	28866783	Surf5
B	10720304	T-box transcription factor TBX3
B	10241574	Teneurin-2
B	549133	Thrombospondin 2 TSP2
B	45383341	TNFL8
B	128155	TNFR16 (NGF receptor)
B	16555411	TNF-related apoptosis inducing ligand
B	54020702	TNFR-II
B	10121857	topoisomerase II alpha-2
B	10121859	topoisomerase II beta-2
B	222868	T-protein
B	45383686	TRAF5
B	45382995	TRAIL-like protein
B	544148	Transcription factor 8
B	135295	TRANSCRIPTION FACTOR AP-1
B	45384416	transcription factor cash4
B	31745731	Transcription factor CP2
B	135307	TRANSCRIPTION FACTOR JUN-D
B	11135387	Transcription factor SOX-10 (cSOX10)
B	25091342	Transcription factor SOX-21
B	7328940	Transcription factor Tcf4
B	1351216	Transcriptional enhancer factor TEF-3
B	3913600	Transcriptional regulator Erg

B	86445	Transferrin receptor
B	15667749	Transforming growth factor beta 4
B	45383638	transforming growth factor, beta receptor I (TGF-beta receptor type I)
B	62992	transthyretin
B	30025682	TRB2 protein
B	24363082	Truncated MAB21L2
B	135415	TUBULIN ALPHA-3 CHAIN - CHICKen
B	135420	TUBULIN ALPHA-4 CHAIN - CHICKen
B	135446	TUBULIN BETA-1 CHAIN (BETA-TUBULIN CLASS-I)
B	135468	TUBULIN BETA-4 - CHICKen
B	135472	TUBULIN BETA-6 - CHICKen
B	28071273	Tumor necrosis factor receptor-II
B	32813273	Tumor necrosis factor related apoptosis inducing ligand
B	12585371	Tumor protein D53 homolog
B	18253182	Tumor suppressor BRCA2
B	28316396	Tumor-suppressing STF cDNA 6 (TSSC6)
B	7330734	TvbS1
B	5702318	TvbS3; CAR1
B	45383716	Twisted gastrulation homolog 1
B	37256106	Type IIb sodium phosphate cotransporter
B	13517100	Tyrosine kinase receptor EphA9
B	12656073	Ubiquitin fusion-degradation 1-like protein
B	2118962	Ubiquitin polyprotein (heat shock related)
B	15088511	Ubiquitin protein ligase
B	3800764	Ubiquitin specific protease 66
B	5669678	Ubiquitous nuclear protein
B	22506897	UDP-glucose pyrophosphorylase
B	2331058	unknown
B	63333	Unnamed protein product
B	63440	Unnamed protein product
B	63462	unnamed protein product
B	63558	Unnamed protein product
B	1334725	Unnamed protein product
B	131826	V(D)J recombination activating protein 1 (RAG-1)
B	2497655	Versican core protein
B	138530	Villin
B	1710816	Vitamin D-dependent calcium-binding protein
B	4572456	Vitamin-D binding protein
B	6165983	Voltage-dependent L-type calcium channel
B	5921704	Voltage-dependent L-type calcium channel alpha-1S
B	2415579	Voltage-gated sodium channel SNS
B	28804790	Werner helicase interacting protein
B	7634683	Wilms' tumor suppression gene 1
B	45383486	wingless-type MMTV integration site family, member 2B (WNT2B)
B	45383552	wingless-type MMTV integration site family, member 7A
B	507880	Xanthine dehydrogenase
B	7512242	Xin protein
B	505067	Xpacch protein
B	25091747	ZBP2 Zipcode-binding protein 2
BS	46371134	14-3-3 epsilon
BS	51338644	40S ribosomal protein S15 (RIG protein)

BS	133818	40S RIBOSOMAL PROTEIN S17
BS	37926870	A Chain A, Diferric Chicken Serum Transferrin At 2.8 A Resolution.
BS	4139867	A Chain A, Histone Octamer
BS	86467	A24701 tubulin beta-3 chain - CHICKen
BS	45383738	Aconitase 2
BS	7546744	Actin
BS	15077081	Actin related protein 3
BS	86169	Actin type 5, cytosolic
BS	211077	Actinin
BS	806554	Actin-like protein
BS	3757575	activating transcription factor 2
BS	6433844	Aczonin (Piccolo)
BS	9864394	Adenylyl cyclase type IX
BS	5381213	agouti-related protein
BS	999392	Aldolase A
BS	438007	Alpha-2-macroglobulin receptor
BS	13124665	Alpha-actinin 1 (Alpha-actinin cytoskeletal)
BS	480073	Alpha-actinin 2, skeletal muscle splice form SKv
BS	45382765	Alpha-synuclein
BS	987862	AMPA receptor GluR2/B
BS	113949	Annexin A2
BS	1703321	Annexin A6
BS	113990	Apolipoprotein A-I (Apo-AI)
BS	3645997	apolipoprotein AIV
BS	483243	Apolipoprotein B-100
BS	112981	Aspartate aminotransferase, mitochondrial (Transaminase A)
BS	11999245	ATP synthase alpha subunit
BS	45383566	ATP synthase, H transporting
BS	22775582	ATP/ADP antiporter
BS	1572687	Axl-related receptor tyrosine kinase
BS	230360	B Chain B, Structure Of Triose Phosphate Isomerase From Chicken Muscle
BS	86471	B27554 tubulin beta-5 chain - CHICKen [MASS=49942] er isoform 8
BS	104697	B30221 histone H2B.8 - CHICKen (fragment) [MASS=12472] n, mito
BS	22653663	BA2B_CHICK Bromodomain adjacent to zinc finger domain 2B (Extracellular matri
BS	47846181	Basement membrane-specific heparan sulfate proteoglycan core protein
BS	32331155	Basigin-2
BS	6671648	Bassoon; presynaptic cytomatrix protein
BS	46048792	Beta catenin
BS	48474017	Beta-2 microglobulin
BS	49037274	Beta-defensin 2
BS	49036666	beta-defensin 7
BS	10945814	bHLH-PAS transcription factor BMAL1
BS	17366086	Bloom's syndrome protein homolog
BS	45383350	Bombesin-like peptide receptor subtype 3.5
BS	45383878	Brain abundant, membrane attached signal protein 1
BS	45383586	Breast cancer 2, early onset
BS	1177400	Bu-1 (chB6)
BS	4139869	C Chain C, Histone Octamer
BS	1079447	C53042 transcription enhancer factor 1C - chicken

BS	4323233	Cadherin
BS	47551319	Cadherin-10
BS	115429	Cadherin-4
BS	2506056	Calpain small subunit
BS	44969651	Calreticulin
BS	45382843	Cardiac muscle factor 1 CMF1
BS	2500201	Cell division control protein 42 homolog
BS	2749775	CENP-C
BS	37499718	Centromere protein A
BS	13364842	centromere protein ZW10
BS	45384238	CFR-associated protein p70
BS	44969706	Chaperonin subunit 8 theta
BS	45382847	Chromobox protein (CHCB2)
BS	833613	Chromosomal protein hmg-14a
BS	18202611	Chromosome-associated kinesin KIF4A
BS	414111	Class II INCENP protein
BS	18250637	Clathrin heavy-chain
BS	4903294	CLOCK protein
BS	45382467	Clusterin
BS	2134319	Collapsin response mediator protein
BS	45382791	complement regulatory membrane protein
BS	26801168	Condensin complex subunit
BS	11359852	Connectin/titin
BS	13186101	connective tissue growth factor
BS	995778	cThy28kD
BS	1118024	cyclin C
BS	5360541	Cytochrome b
BS	42557378	Cytochrome oxidase
BS	2905649	cytoplasmic linker protein CLIP-170
BS	1352706	Cytosolic phospholipase A2 (cPLA2)
BS	4139870	D Chain D, Histone Octamer
BS	16323037	DEAD box protein DDX1
BS	5114446	DEAD-box RNA helicase
BS	118463	Destrin (Actin-depolymerizing factor) (ADF)
BS	45383608	Disintegrin and metalloproteinase domain 10
BS	45383015	DJ-1 protein
BS	40716462	DMRT1
BS	45384130	DNA topoisomerase I
BS	20334955	DNA-dependent protein kinase catalytic subunit
BS	86279	DNAK-type molecular chaperone
BS	18203024	Double-strand break repair protein MRE11
BS	410607	Drebrin A
BS	9502076	early response to neural induction ERNI
BS	2494246	EF2 Elongation factor 2 (EF-2)
BS	5107132	Elongation factor 1 alpha
BS	24528161	Endophilin II
BS	46048768	Enolase
BS	12230900	Ephrin type-B receptor 2
BS	45383986	Estrogen receptor, alpha
BS	44969758	Eukaryotic translation elongation factor 1
BS	633796	Fibroblast growth factor receptor CPE-FGFR

BS	2947314	fibulin-1, isoform D
BS	45383035	Filamin
BS	134800	fodrin
BS	45384182	FTF/LRH-1
BS	48374057	Fusion; pigpen
BS	45383548	G protein-coupled receptor kinase interactor 1
BS	462150	Gamma-aminobutyric-acid receptor gamma-4 subunit (GABA(A)
BS	63524	Gamma-immunoglobulin heavy chain
BS	8071832	GART-B
BS	45383496	GCN5 general control of amino-acid synthesis 5-like 2
BS	18476183	GDP/GTP exchange factor VAV3
BS	22651801	Glucose regulated thiol oxidoreductase protein
BS	4959548	Glutathione S-transferase class-alpha
BS	2506442	Glyceraldehyde 3-phosphate dehydrogenase (GAPDH)
BS	30575684	Glycogen phosphorylase
BS	45384328	GTPase cRac1B
BS	3184518	GTPase cRhoC
BS	664925	GTP-binding protein (RAB2)
BS	1730226	Guanine nucleotide-binding protein G(i), alpha-1 subunit
BS	2996407	Heat shock cognate 70
BS	45384204	Heat shock protein 10
BS	2119732	Heat shock protein 108K
BS	72221	Heat shock protein 90
BS	1621230	HEMCAM
BS	33521618	Heterogeneous nuclear ribonucleoprotein H1-like protein
BS	34329247	High mobility group A1b
BS	123373	High mobility group protein 2 (HMG-2)
BS	5815432	high mobility group protein HMG1 [M
BS	86286	Histone H1
BS	86288	histone H1.10 - CHICKen
BS	3395780	Histone H2A
BS	122050	Histone H2B
BS	1493813	Histone H4-VIII
BS	399997	Homeobox protein Hox-B1 (Ghox-lab)
BS	4582571	Hyperion protein
BS	53127099	Hypothetical protein
BS	53127294	Hypothetical protein
BS	53127314	Hypothetical protein
BS	53127410	Hypothetical protein
BS	53127696	Hypothetical protein
BS	53127718	Hypothetical protein
BS	53128989	Hypothetical protein
BS	53129190	Hypothetical protein
BS	53129586	Hypothetical protein
BS	53130278	Hypothetical protein
BS	53130302	Hypothetical protein
BS	53130314	Hypothetical protein
BS	53130364	Hypothetical protein
BS	53130368	Hypothetical protein
BS	53130384	Hypothetical protein
BS	53130636	Hypothetical protein

BS	53130710	Hypothetical protein
BS	53131408	Hypothetical protein
BS	53133044	Hypothetical protein
BS	53133442	Hypothetical protein
BS	53133570	Hypothetical protein
BS	53133718	Hypothetical protein
BS	53133878	Hypothetical protein
BS	53136458	Hypothetical protein
BS	53136594	Hypothetical protein
BS	53136648	Hypothetical protein
BS	53136784	Hypothetical protein
BS	53136910	Hypothetical protein
BS	2330595	Ikaros transcription factor
BS	1536804	immunoglobulin lambda chain variable region
BS	16902245	Immunoglobulin lambda light chain
BS	58865012	immunoglobulin-like receptor CHIR-AB2
BS	13161045	Integrin alpha 3A subunit cytoplasmic domain
BS	297567	Integrin beta 2 subunit (CD18)
BS	4028135	Interferon alpha/beta receptor 1
BS	49170106	Intestinal zipper protein
BS	41223406	Invariant chain
BS	48976089	Iroquois homeobox protein 4
BS	625222	Kinase-related protein ros
BS	45382525	KS5 protein
BS	62934	Lamin B receptor
BS	2708707	laminin beta 2-like chain
BS	32306846	Lectin associated matrix protein
BS	7960152	Leukemia-associated phosphoprotein p18
BS	49170076	LIM and SH3 protein; nebullette
BS	6601335	LIS1
BS	65921	L-lactate dehydrogenase
BS	5918156	Lymphoid transcription factor (HELIOS) (Ikaros)
BS	126751	MACS Myristoylated alanine-rich C-kinase substrate
BS	9256378	Major histocompatibility complex class II beta chain; B-L beta chain
BS	17017225	Makorin-2
BS	45383822	Matrin 3
BS	17104484	Melanoma antigen P15
BS	2144822	Meta-vinculin
BS	37574512	MHC class I antigen BF heavy chain
BS	38231481	MHC class II antigen
BS	15718362	MHC class II-associated invariant chain
BS	1669674	Microtubule-associated protein 4
BS	25008764	Mimecan (Osteoglycin)
BS	45382213	Mitochondrial carrier homolog 2
BS	1480467	Mutant cysteine-rich FGF receptor
BS	127759	MYH9 Myosin heavy chain, nonmuscle
BS	482690	Myosin regulatory light chain, cellular
BS	86380	Na ⁺ /K ⁺ exchanging ATPase beta-1 chain
BS	1184546	NAD:protein(ADP-ribosyl)-transferase
BS	7672710	NADH dehydrogenase
BS	279680	Neural cell adhesion molecule

BS	42528325	Neurite outgrowth inhibitor NOGO-A
BS	11863539	Neurobeachin
BS	2467122	Neurofascin
BS	53729308	neurofascin
BS	509767	Ng-CAM (neuron-glia cell adhesion molecule)
BS	86392	Nicotinic acetylcholine receptor alpha chain
BS	7271899	Nidogen 1; entactin
BS	2501195	NLTP Nonspecific lipid-transfer protein
BS	104693	Nonhistone chromosomal protein HMG-2
BS	5360174	NOTCH-1
BS	45383994	Nr-CAM protein
BS	3822553	Nuclear calmodulin-binding protein
BS	63684	nuclear factor I-X protein
BS	2130628	nuclear factor NF-kB1
BS	45383329	Nuclease sensitive element binding protein 1
BS	459445	p104 CHICKen Rb
BS	5509946	P32 subunit of splicing factor SF2
BS	30923135	PDI Protein disulfide-isomerase (PDI)
BS	118088	Peptidyl-prolyl cis-trans isomerase B
BS	1730518	PGK Phosphoglycerate kinase
BS	1223920	Phospholipase C beta
BS	46395491	PIT 54 protein; turpentine-induced 18-B
BS	4456140	pituitary specific transcription factor
BS	2749960	Polysialyltransferase
BS	1762374	Polyubiquitin
BS	50754293	PREDICTED: hypothetical protein XP_414316
BS	50728548	PREDICTED: hypothetical protein XP_416172
BS	50734157	PREDICTED: hypothetical protein XP_418989
BS	50732631	PREDICTED: hypothetical protein XP_425966
BS	50759965	PREDICTED: hypothetical protein XP_429266
BS	50754047	PREDICTED: hypothetical protein XP_429360
BS	50754143	PREDICTED: hypothetical protein XP_429371
BS	50754443	PREDICTED: hypothetical protein XP_429381
BS	50760425	PREDICTED: hypothetical protein XP_429716
BS	50736028	PREDICTED: hypothetical protein XP_429800
BS	50736197	PREDICTED: hypothetical protein XP_429803
BS	50757735	PREDICTED: hypothetical protein XP_415625
BS	50729712	PREDICTED: hypothetical protein XP_416628
BS	50760459	PREDICTED: hypothetical protein XP_418032
BS	50731892	PREDICTED: hypothetical protein XP_418405
BS	50747732	PREDICTED: hypothetical protein XP_420966
BS	50748946	PREDICTED: hypothetical protein XP_421470
BS	50762203	PREDICTED: hypothetical protein XP_424974
BS	50754081	PREDICTED: hypothetical protein XP_425137
BS	50733090	PREDICTED: hypothetical protein XP_426023
BS	50748282	PREDICTED: hypothetical protein XP_429303
BS	50758138	PREDICTED: hypothetical protein XP_429518
BS	50760359	PREDICTED: hypothetical protein XP_429714
BS	50760481	PREDICTED: hypothetical protein XP_429720
BS	50740206	PREDICTED: hypothetical protein XP_429838
BS	50740440	PREDICTED: hypothetical protein XP_429848

BS	50744532	PREDICTED: hypothetical protein XP_429874
BS	50748123	PREDICTED: hypothetical protein XP_430031
BS	50750351	PREDICTED: hypothetical protein XP_430127
BS	50751051	PREDICTED: hypothetical protein XP_430148
BS	50752317	PREDICTED: hypothetical protein XP_430199
BS	50752401	PREDICTED: hypothetical protein XP_430202
BS	50757287	PREDICTED: hypothetical protein XP_430515
BS	50752287	PREDICTED: leprecan-like 1
BS	50759007	PREDICTED: non-tyrosine protein kinase
BS	50748840	PREDICTED: reticulon 1
BS	50740215	PREDICTED: similar to 0610010K06Rik protein
BS	50760665	PREDICTED: similar to 116 kDa U5 small nuclear ribonucleoprotein component
BS	50745015	PREDICTED: similar to 14-3-3 protein tau (14-3-3 protein theta)
BS	50760222	PREDICTED: similar to 170 kDa glucose regulated protein GRP170
BS	50731694	PREDICTED: similar to 2,4-dienoyl-CoA reductase, mitochondrial
BS	50761861	PREDICTED: similar to 2610034M16Rik protein
BS	50752247	PREDICTED: similar to 3-hydroxybutyrate dehydrogenase
BS	50760453	PREDICTED: similar to 40S ribosomal protein S10
BS	50750982	PREDICTED: similar to 4930427A07Rik protein
BS	50751996	PREDICTED: similar to 4930544G21Rik protein
BS	50806584	PREDICTED: similar to 4933427L07Rik protein
BS	50753075	PREDICTED: similar to 5,10-methenyltetrahydrofolate synthetase
BS	50738556	PREDICTED: similar to 5-3 exoribonuclease 2; Dhml-like protein
BS	50800573	PREDICTED: similar to 60S acidic ribosomal protein P2
BS	50747844	PREDICTED: similar to 62 kDa subunit of TFIIH
BS	50748544	PREDICTED: similar to aarF domain containing kinase 1
BS	50729682	PREDICTED: similar to Ab2-416
BS	50744636	PREDICTED: similar to Absent in melanoma 1 protein
BS	50731093	PREDICTED: similar to acetyl-Coenzyme A acetyltransferase 1
BS	50806592	PREDICTED: similar to acetyl-Coenzyme A acyltransferase 2
BS	50795515	PREDICTED: similar to acidic (leucine-rich) nuclear phosphoprotein 32
BS	50750876	PREDICTED: similar to actin related protein 2/3 complex subunit 2
BS	50748374	PREDICTED: similar to actin, alpha, cardiac
BS	50732241	PREDICTED: similar to actin-related protein 3-beta
BS	50754335	PREDICTED: similar to actin-related protein 8; ARP8 (actin-related pro
BS	50758266	PREDICTED: similar to active breakpoint cluster region-related protei
BS	50750079	PREDICTED: similar to Acyl-CoA dehydrogenase, long-chain specific
BS	50757733	PREDICTED: similar to acyl-CoA oxidase type 2
BS	50732940	PREDICTED: similar to acyloxyacyl hydrolase
BS	50749974	PREDICTED: similar to ADAM 12
BS	50747468	PREDICTED: similar to ADAM 13
BS	50731365	PREDICTED: similar to ADAM 9
BS	50761759	PREDICTED: similar to ADAM-TS related protein 1
BS	50749332	PREDICTED: similar to ADAMTS-14
BS	50760035	PREDICTED: similar to ADAMTS-8
BS	50753304	PREDICTED: similar to Adapter-related protein complex 3 sigma 2 subuni
BS	50756765	PREDICTED: similar to adaptor-related protein complex 1 beta 1 subunit
BS	50759882	PREDICTED: similar to Adenylyl cyclase-associated protein 1 (CAP 1)

BS	50729008	PREDICTED: similar to adiponectin receptor 2
BS	50746461	PREDICTED: similar to ADP/ATP translocase
BS	50754608	PREDICTED: similar to ADP-ribosylation factor-like 10C
BS	50795137	PREDICTED: similar to ADP-ribosylation factor-like 6 interacting prote
BS	50756065	PREDICTED: similar to ADP-ribosylation factor-like 6 interacting protein
BS	50760752	PREDICTED: similar to AF-17 protein
BS	50746553	PREDICTED: similar to AF-4
BS	50736531	PREDICTED: similar to AFG3-like protein 2 (Paraplegin-like protein)
BS	50758302	PREDICTED: similar to A-kinase anchor protein 10
BS	50756447	PREDICTED: similar to Aldehyde dehydrogenase
BS	50755208	PREDICTED: similar to ALL1 fused gene from 5q31
BS	50749972	PREDICTED: similar to ALMS1
BS	50752212	PREDICTED: similar to Alpha-1,4-N-acetylglucosaminyltransferase
BS	50754083	PREDICTED: similar to Alpha-fetoprotein enhancer binding protein 1
BS	50761592	PREDICTED: similar to AMP-activated kinase alpha 1 subunit
BS	50750284	PREDICTED: similar to amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 7
BS	50738532	PREDICTED: similar to anaphase promoting complex subunit 1
BS	50756359	PREDICTED: similar to Anaphase promoting complex subunit 7 (APC7) (Cyc
BS	50730973	PREDICTED: similar to androgen-induced prostate proliferative shutoff
BS	50731257	PREDICTED: similar to angiomin like 1
BS	50749238	PREDICTED: similar to ankyrin 3
BS	50756035	PREDICTED: similar to Ankyrin repeat and SOCS box-containing protein 1
BS	50746515	PREDICTED: similar to ankyrin repeat and SOCs box-containing protein 5
BS	50728154	PREDICTED: similar to ankyrin repeat domain 30A
BS	50759643	PREDICTED: similar to AOF2 protein
BS	50750862	PREDICTED: similar to aortic preferentially expressed gene 1
BS	50755202	PREDICTED: similar to apical protein
BS	50728538	PREDICTED: similar to Apoptotic protease activating factor 1 (Apaf-1)
BS	50758533	PREDICTED: similar to arginine/serine-rich splicing factor 6
BS	50729178	PREDICTED: similar to ARHGAP8 protein
BS	50756357	PREDICTED: similar to ARP2/3 complex
BS	50797877	PREDICTED: similar to artemis protein
BS	50811620	PREDICTED: similar to ash1 (absent, small, or homeotic)
BS	50732523	PREDICTED: similar to asparagine synthase (glutamine-hydrolysing)
BS	50761902	PREDICTED: similar to ASPM
BS	50747009	PREDICTED: similar to asrij
BS	50751194	PREDICTED: similar to Astrotactin 1
BS	50759221	PREDICTED: similar to ATAD3A protein
BS	50756441	PREDICTED: similar to ataxin 2; olivopontocerebellar ataxia 2
BS	50748938	PREDICTED: similar to atlastin; guanylate-binding protein 3
BS	50736040	PREDICTED: similar to ATP binding cassette transporter A13
BS	50804057	PREDICTED: similar to ATP synthase beta chain
BS	50731535	PREDICTED: similar to ATP synthase gamma chain
BS	50760375	PREDICTED: similar to ATP synthase subunit B
BS	50733556	PREDICTED: similar to ATPas, class II, type 9B
BS	50745780	PREDICTED: similar to ATPase, Class VI, type 11C; ATPase IQ
BS	50748334	PREDICTED: similar to ATPase, H transporting, lysosomal 34kDa, V1

BS	50750095	PREDICTED: similar to ATP-binding cassette, sub-family A, member 12
BS	50745926	PREDICTED: similar to ATP-binding cassette, sub-family B, member 7
BS	50749228	PREDICTED: similar to AT-rich interactive domain-containing protein 5B
BS	50734769	PREDICTED: similar to axonemal dynein heavy chain 5
BS	50750190	PREDICTED: similar to axonemal dynein heavy chain 7
BS	50740503	PREDICTED: similar to axonemal dynein heavy chain 8 long form
BS	50750720	PREDICTED: similar to B aggressive lymphoma gene
BS	50740623	PREDICTED: similar to baculoviral IAP repeat-containing 6
BS	50754171	PREDICTED: similar to bassoon; zinc finger protein 231; neuronal doubl
BS	50759629	PREDICTED: similar to BC013712 protein
BS	50738268	PREDICTED: similar to B-cell CLL/lymphoma 11A
BS	50742716	PREDICTED: similar to Bcl-2-associated transcription factor short form
BS	50799822	PREDICTED: similar to beige protein homolog
BS	50745413	PREDICTED: similar to Bikunin hlg
BS	50729961	PREDICTED: similar to Biotin--protein ligase
BS	50731916	PREDICTED: similar to Brain-specific angiogenesis inhibitor 1
BS	50750093	PREDICTED: similar to BRCA1-associated RING domain protein 1 (BARD-1)
BS	50749002	PREDICTED: similar to bromodomain adjacent to zinc finger domain
BS	50730275	PREDICTED: similar to Brutons tyrosine kinase
BS	50744840	PREDICTED: similar to Bullous pemphigoid antigen 1
BS	50730450	PREDICTED: similar to C2orf29 protein
BS	50761150	PREDICTED: similar to C3 and PZP-like, alpha-2-macroglobulin domain cotaining 8
BS	50744796	PREDICTED: similar to C6orf67-like protein
BS	50728138	PREDICTED: similar to Ca2+-dependent activator for secretion protein 2
BS	50759645	PREDICTED: similar to CAAX prenyl protease 1 homolog
BS	50749344	PREDICTED: similar to cadherin-related 23 protein
BS	50751098	PREDICTED: similar to calcium channel alpha1E subunit
BS	50732673	PREDICTED: similar to Calcium-binding mitochondrial carrier protein
BS	50757169	PREDICTED: similar to calmodulin regulated spectrin-associated protein
BS	50755067	PREDICTED: similar to calnexin
BS	50731674	PREDICTED: similar to carbonic anhydrase 3
BS	50761114	PREDICTED: similar to cartilage oligomeric matrix protein
BS	50758845	PREDICTED: similar to casein kinase II alpha chain
BS	50757293	PREDICTED: similar to caspase recruitment domain protein 9
BS	50749368	PREDICTED: similar to catechol-O-methyltransferase domain containing 1
BS	50746939	PREDICTED: similar to cationic amino acid transporter-2
BS	50784195	PREDICTED: similar to Cca3 protein
BS	50760355	PREDICTED: similar to CD34
BS	50756157	PREDICTED: similar to CDC42-binding protein kinase alpha
BS	50792575	PREDICTED: similar to CDK5 regulatory subunit associated protein 3
BS	50756031	PREDICTED: similar to cDNA sequence BC016423
BS	50732529	PREDICTED: similar to CDNA sequence BC020002
BS	50746032	PREDICTED: similar to cDNA sequence BC031748
BS	50746919	PREDICTED: similar to CDNA sequence BC035537
BS	50729778	PREDICTED: similar to CDNA sequence BC043118
BS	50728486	PREDICTED: similar to cell death adaptor molecule

BS	50732998	PREDICTED: similar to cell division cycle 2-like 5
BS	50750440	PREDICTED: similar to cell division cycle associated protein 7
BS	50794700	PREDICTED: similar to centaurin, gamma 3
BS	50746907	PREDICTED: similar to Centromeric protein E (CENP-E protein)
BS	50758577	PREDICTED: similar to centrosomal protein 2
BS	50757177	PREDICTED: similar to centrosome-associated protein 350
BS	50731554	PREDICTED: similar to ceramide kinase
BS	50746715	PREDICTED: similar to Cetn2-prov protein
BS	50732966	PREDICTED: similar to CG11178-PB
BS	50732653	PREDICTED: similar to CG11212-PA
BS	50762199	PREDICTED: similar to CG1453-PA
BS	50752997	PREDICTED: similar to Cg14997-prov protein
BS	50731726	PREDICTED: similar to CG15738-PA
BS	50751742	PREDICTED: similar to CG6210-like
BS	50751045	PREDICTED: similar to CGI-01 protein
BS	50728322	PREDICTED: similar to chaperonin containing TCP1, subunit 2 (beta)
BS	50758158	PREDICTED: similar to chaperonin containing TCP1, subunit 6A (zeta 1)
BS	50748584	PREDICTED: similar to CHES1 protein
BS	50745628	PREDICTED: similar to Chloride intracellular channel 2
BS	50749983	PREDICTED: similar to chmadrin (short type)
BS	50745804	PREDICTED: similar to CHML protein
BS	50740350	PREDICTED: similar to chromosome 1 open reading frame 36
BS	50751010	PREDICTED: similar to chromosome 1 open reading frame 9
BS	50747167	PREDICTED: similar to chromosome 10 open reading frame 12
BS	50749352	PREDICTED: similar to chromosome 10 open reading frame 56
BS	50749038	PREDICTED: similar to chromosome 14 open reading frame 143
BS	50748660	PREDICTED: similar to chromosome 14 open reading frame 49
BS	50745372	PREDICTED: similar to chromosome 17 open reading frame 27
BS	50750590	PREDICTED: similar to chromosome 2 open reading frame 24
BS	50758563	PREDICTED: similar to chromosome 20 open reading frame 104
BS	50738731	PREDICTED: similar to chromosome 20 open reading frame 23
BS	50738740	PREDICTED: similar to chromosome 20 open reading frame 6
BS	50729973	PREDICTED: similar to chromosome 21 open reading frame 13
BS	50730205	PREDICTED: similar to chromosome X open reading frame 23
BS	50758346	PREDICTED: similar to Clathrin heavy chain 1 (CLH-17)
BS	50730049	PREDICTED: similar to claudin 14
BS	50748614	PREDICTED: similar to Cleavage and Polyadenylation specificity factor
BS	50750878	PREDICTED: similar to CLIP-associating protein 1; multiple asters 1
BS	50745670	PREDICTED: similar to coagulation factor VIII
BS	50756325	PREDICTED: similar to coated vesicle membrane protein
BS	50806810	PREDICTED: similar to Coatomer protein complex subunit alpha
BS	50754377	PREDICTED: similar to coatomer protein complex, subunit gamma 1
BS	50731819	PREDICTED: similar to collagen triple helix repeat containing 1
BS	50730933	PREDICTED: similar to Complement C4
BS	50757159	PREDICTED: similar to complement component C5
BS	50730198	PREDICTED: similar to connector enhancer of kinase suppressor of Ras 2
BS	50753498	PREDICTED: similar to copine II
BS	50737091	PREDICTED: similar to corneal epithelial Rho-associated-ser/thr kinase
BS	50756492	PREDICTED: similar to Coronin 1C (Coronin 3) (hCRNN4)

BS	50755982	PREDICTED: similar to CREB-binding protein
BS	50732954	PREDICTED: similar to crossveinless-2
BS	50747360	PREDICTED: similar to C-terminal binding protein 1
BS	50746004	PREDICTED: similar to cullin 4B
BS	50750768	PREDICTED: similar to cyclin T2
BS	50730300	PREDICTED: similar to cyclin-D binding Myb-like protein
BS	50731896	PREDICTED: similar to cylindromatosis (turban tumor syndrome); cylindr
BS	50745274	PREDICTED: similar to cysteine-rich venom protein
BS	50728916	PREDICTED: similar to Cystine/glutamate transporter (Amino acid transp
BS	50754033	PREDICTED: similar to Cytochrome b5
BS	50729140	PREDICTED: similar to cytochrome b-5 reductase
BS	50732700	PREDICTED: similar to cytochrome C
BS	50753940	PREDICTED: similar to cytochrome c oxidase subunit IV
BS	50756677	PREDICTED: similar to cytochrome c oxidase subunit VIa
BS	50740393	PREDICTED: similar to cytochrome c oxidase subunit VIIa polypeptide 2
BS	50731775	PREDICTED: similar to cytochrome c oxidase, subunit VIc
BS	50740633	PREDICTED: similar to cytochrome P450 1B1
BS	50752431	PREDICTED: similar to Cytochrome P450, family 2, subfamily J, polypept
BS	50747796	PREDICTED: similar to cytochrome P450, family 2, subfamily R, polypept
BS	50757815	PREDICTED: similar to Cytokine receptor-like factor 3
BS	50758050	PREDICTED: similar to cytoplasmic linker 2
BS	50753662	PREDICTED: similar to cytoplasmic nuclear factor of activated T-cells
BS	50728568	PREDICTED: similar to D4-GDP-dissociation inhibitor
BS	50749747	PREDICTED: similar to dapit protein
BS	50747041	PREDICTED: similar to DB83 protein
BS	50732044	PREDICTED: similar to Ddef1 protein
BS	50753690	PREDICTED: similar to DEAD (Asp-Glu-Ala-Asp) box polypeptide 28; DEAD/
BS	50757299	PREDICTED: similar to DEAD (Asp-Glu-Ala-Asp) box polypeptide 31 isofo
BS	50728604	PREDICTED: similar to DEAD (Asp-Glu-Ala-Asp) box polypeptide 47 isofo
BS	50728738	PREDICTED: similar to DEAD box polypeptide 17
BS	50801630	PREDICTED: similar to DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 32,
BS	50761474	PREDICTED: similar to DEAH (Asp-Glu-Ala-His) box polypeptide 29; nucle
BS	50752566	PREDICTED: similar to DEAH (Asp-Glu-Ala-His) box polypeptide 36; DEAD/
BS	50754157	PREDICTED: similar to dedicator of cytokinesis 3
BS	50746549	PREDICTED: similar to dehydrogenase/reductase (SDR family) member 8; r
BS	50748834	PREDICTED: similar to Dehydrogenase/reductase SDR family member 7
BS	50733592	PREDICTED: similar to DEK oncogene (DNA binding)
BS	50758352	PREDICTED: similar to delta-tubulin

BS	50758785	PREDICTED: similar to DEP domain containing 6
BS	50737409	PREDICTED: similar to Desmoglein 2
BS	50734049	PREDICTED: similar to Desmoplakin (DP)
BS	50751901	PREDICTED: similar to Diacylglycerol kinase, delta (Diglyceride kinase
BS	50748656	PREDICTED: similar to dicer1; helicase-moi; K12H4.8-LIKE; helicase wit
BS	50727999	PREDICTED: similar to dihydrolipoamide dehydrogenase
BS	50748494	PREDICTED: similar to dihydrolipoamide S-succinyltransferase (E2 compo
BS	50749364	PREDICTED: similar to Discs, large homolog 5 (Placenta and prostate DL
BS	50740488	PREDICTED: similar to dishevelled associated activator of morphogenesi
BS	50753282	PREDICTED: similar to disintegrin and metalloprotease with thrombospondin motifs-7
BS	50754509	PREDICTED: similar to disintegrin and metalloproteinase with thrombospondin motifs-9
BS	50746861	PREDICTED: similar to disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 3 proprotein (ADAMTS-3)
BS	50753163	PREDICTED: similar to disintegrin-like and metalloprotease reprolysin type) with thrombospondin type 1 motif, 17 preproprotein (ADAMTS-17)
BS	50736872	PREDICTED: similar to Disks large-associated protein 1 (DAP-1) (Guanyl
BS	50731824	PREDICTED: similar to DKFZP564O0463 protein
BS	50757847	PREDICTED: similar to DKFZP586L0724 protein
BS	50731383	PREDICTED: similar to DKFZP586P0123 protein
BS	50759301	PREDICTED: similar to DNA fragmentation factor alpha subunit
BS	50746841	PREDICTED: similar to DNA glycosylase hFPG2
BS	50746585	PREDICTED: similar to DNA helicase HEL308
BS	50747318	PREDICTED: similar to DNA polymerase N
BS	50737583	PREDICTED: similar to DNA replication initiator protein
BS	50745270	PREDICTED: similar to DNA replication licensing factor MCM3
BS	50750780	PREDICTED: similar to DNA replication licensing factor MCM6 (P105MCM)
BS	50749190	PREDICTED: similar to DNA segment, Chr 10, ERATO Doi 214, expressed
BS	50728852	PREDICTED: similar to DNA segment, Chr 10, Wayne State University 102,
BS	50751974	PREDICTED: similar to DNA strand-exchange protein SEP1
BS	50732383	PREDICTED: similar to DnaJ homolog subfamily C member 1
BS	50777724	PREDICTED: similar to dolichyl-diphosphooligosaccharide-protein glycotransferase
BS	50754383	PREDICTED: similar to Dolichyl-diphosphooligosaccharide--protein glycotransferase
BS	50728088	PREDICTED: similar to dolichyl-P-mannose
BS	50748602	PREDICTED: similar to DVL-binding protein DAPLE
BS	50732794	PREDICTED: similar to dyenin light chain A
BS	50748706	PREDICTED: similar to Dynein heavy chain, cytosolic
BS	50757907	PREDICTED: similar to dynein intermediate chain
BS	50736338	PREDICTED: similar to dynein, axonemal, heavy polypeptide 5
BS	50731115	PREDICTED: similar to dynein, cytoplasmic, heavy chain 2

BS	50731850	PREDICTED: similar to e(y)2 protein; DC6 protein; e(y)2 homolog; enhan
BS	50745039	PREDICTED: similar to E2F6 splice variant a
BS	50728478	PREDICTED: similar to Early endosome antigen 1 (Endosome-associated pr
BS	50758881	PREDICTED: similar to EB1
BS	50732032	PREDICTED: similar to Ectonucleotide pyrophosphatase/phosphodiesterase
BS	50752771	PREDICTED: similar to Electron transfer flavoprotein alpha-subunit
BS	50758679	PREDICTED: similar to embryonic poly(A) binding protein
BS	50731480	PREDICTED: similar to EMSY protein
BS	50754812	PREDICTED: similar to endoplasmic reticulum chaperone SIL1, homolog of
BS	50748298	PREDICTED: similar to Enhancer of rudimentary homolog [Gallus Gallus]
BS	50759483	PREDICTED: similar to ENSANGP00000011644
BS	50733050	PREDICTED: similar to eomesodermin
BS	50740570	PREDICTED: similar to Ephx1 protein
BS	50751590	PREDICTED: similar to Epidermal growth factor receptor substrate 15
BS	50739011	PREDICTED: similar to epithelial glycoprotein
BS	50740257	PREDICTED: similar to Eprs protein
BS	50753083	PREDICTED: similar to EQYK340
BS	50806596	PREDICTED: similar to ERGIC-53 protein
BS	50748954	PREDICTED: similar to ERO1-like [Gallus Gallus]
BS	50736100	PREDICTED: similar to erythrocyte membrane protein band 4.1
BS	50729092	PREDICTED: similar to ethanolamine kinase
BS	50755515	PREDICTED: similar to Eukaryotic translation initiation factor 3 subun
BS	50759828	PREDICTED: similar to Eukaryotic translation initiation factor 3 subunit 2
BS	50749859	PREDICTED: similar to eukaryotic translation initiation factor 3, subunit 10 theta
BS	50747734	PREDICTED: similar to Eukaryotic translation initiation factor 4 gamma
BS	50758581	PREDICTED: similar to Eukaryotic translation initiation factor 6
BS	50755415	PREDICTED: similar to excision repair cross-complementing rodent repai
BS	50736182	PREDICTED: similar to Exocyst complex component Sec6
BS	50744982	PREDICTED: similar to expressed sequence AA409316
BS	50762025	PREDICTED: similar to Expressed sequence AI314180
BS	50760477	PREDICTED: similar to Expressed sequence AI314976 [Gallus Gallus] [MAS
BS	50753310	PREDICTED: similar to Expressed sequence AW538196
BS	50777248	PREDICTED: similar to extra spindle poles like 1, partial
BS	50746555	PREDICTED: similar to FAP
BS	50751416	PREDICTED: similar to Far upstream element binding protein 1
BS	50746925	PREDICTED: similar to FAT gene product
BS	50731177	PREDICTED: similar to fat3; fat3 protein
BS	50745964	PREDICTED: similar to fatty acid Coenzyme A ligase, long chain 4; fatt
BS	50749795	PREDICTED: similar to fatty acid Coenzyme A ligase, long chain 5; long
BS	50732333	PREDICTED: similar to Fatty acid synthase

BS	50754804	PREDICTED: similar to F-box and WD-40 domain protein 1B [Gallus Gallus]
BS	50731996	PREDICTED: similar to F-box only protein 32
BS	50764163	PREDICTED: similar to Fc fragment of IgG binding protein; IgG Fc bindi
BS	50730625	PREDICTED: similar to FERM, RhoGEF, and pleckstrin domain protein 1
BS	50781349	PREDICTED: similar to FGF receptor activating protein 1
BS	50760898	PREDICTED: similar to Fibrillin 2
BS	50744794	PREDICTED: similar to filamin A interacting protein 1
BS	50759309	PREDICTED: similar to FKBP-rapamycin associated protein (FRAP) (Rapamy
BS	50755611	PREDICTED: similar to Flightless-I protein homolog
BS	50740599	PREDICTED: similar to FLJ00002 protein
BS	50749476	PREDICTED: similar to FLJ00156 protein
BS	50731312	PREDICTED: similar to FLJ00261 protein
BS	50746837	PREDICTED: similar to FLJ12716 protein isoform a
BS	50729508	PREDICTED: similar to FLJ20202 protein
BS	50736308	PREDICTED: similar to FLJ20793 protein
BS	50751482	PREDICTED: similar to FLJ22353 [Gallus Gallus]
BS	50736122	PREDICTED: similar to Fumarate hydratase
BS	50750606	PREDICTED: similar to FUSED serine/threonine kinase
BS	50786653	PREDICTED: similar to G protein-coupled receptor 124; tumor endothelia
BS	50808293	PREDICTED: similar to G protein-coupled receptor 142
BS	50730213	PREDICTED: similar to G protein-coupled receptor 64
BS	50749863	PREDICTED: similar to G protein-coupled receptor kinase 5 (G protein-c
BS	50752126	PREDICTED: similar to galactose 3-O-sulfotransferase-2
BS	50728108	PREDICTED: similar to gamma tubulin ring protein
BS	50761132	PREDICTED: similar to Gamma-interferon inducible lysosomal thiol reductase
BS	50795755	PREDICTED: similar to Gasdermin
BS	50757249	PREDICTED: similar to general transcription factor IIIC, polypeptide 5
BS	50793426	PREDICTED: similar to Germ cell associated 1
BS	50729862	PREDICTED: similar to Glucan (1,4-alpha-), branching enzyme 1
BS	50755220	PREDICTED: similar to glucocorticoid receptor
BS	50784700	PREDICTED: similar to glucocorticoid receptor DNA binding factor 1, pa
BS	50747027	PREDICTED: similar to Glucosamine-6-phosphate deaminase 2
BS	50748960	PREDICTED: similar to glucosamine-phosphate N-acetyltransferase 1
BS	50749516	PREDICTED: similar to glutamate receptor delta-1 chain precursor - mou
BS	50750180	PREDICTED: similar to Glutaminase
BS	50729056	PREDICTED: similar to Glutathione S-transferase
BS	50729460	PREDICTED: similar to Glutathione S-transferase kappa 1 (GST 13-13)
BS	50738589	PREDICTED: similar to Glycogen phosphorylase, brain form
BS	50750481	PREDICTED: similar to Glycoprotein receptor gp330/megalin
BS	50732429	PREDICTED: similar to glycylopeptide N-tetradecanoyltransferase 2
BS	50730651	PREDICTED: similar to glypican 6 precursor
BS	50730653	PREDICTED: similar to Glypican-5
BS	50732569	PREDICTED: similar to GOB-4

BS	50806660	PREDICTED: similar to Golgi autoantigen, golgin subfamily B member 1 (
BS	50748027	PREDICTED: similar to Golgi-associated protein GCP360
BS	50761482	PREDICTED: similar to Gp130-like monocyte receptor
BS	50730576	PREDICTED: similar to GRIP coiled-coil protein GCC185 isoform a; CTCL
BS	50754017	PREDICTED: similar to Growth-arrest-specific protein 8 (Growth arrest-
BS	50747262	PREDICTED: similar to GrpE protein homolog 1
BS	50739008	PREDICTED: similar to GTBP-N
BS	50748434	PREDICTED: similar to GTPase activating RANGAP domain-like 1; tulip 1
BS	50757089	PREDICTED: similar to GTPase activating RANGAP domain-like 3
BS	50804094	PREDICTED: similar to GTPase activating RANGAP domain-like 4, partial
BS	50752811	PREDICTED: similar to GTPase Rab8b
BS	50756867	PREDICTED: similar to guanine nucleotide binding protein, beta 2
BS	50752803	PREDICTED: similar to guanine nucleotide exchange factor p532
BS	50728081	PREDICTED: similar to Guanine nucleotide-binding protein G(t), alpha-3
BS	50759538	PREDICTED: similar to guanosine-diphosphatase like protein
BS	50759061	PREDICTED: similar to H transporting F1 ATP synthase epsilon subunit
BS	50754537	PREDICTED: similar to H1 histone family, member X
BS	50798533	PREDICTED: similar to H2A histone family, member Z,
BS	50746423	PREDICTED: similar to Hadhsc-prov protein
BS	50750210	PREDICTED: similar to heat shock protein 60 kDa
BS	50755980	PREDICTED: similar to Heat shock protein 75 kDa, mitochondrial
BS	50748644	PREDICTED: similar to HEAT-like repeat-containing protein isoform 1; H
BS	50728298	PREDICTED: similar to Helicase (DNA) B
BS	50749667	PREDICTED: similar to heparanase-like protein HPA2c [Gallus Gallus] [M
BS	50747284	PREDICTED: similar to Hepatocyte growth factor activator
BS	50755128	PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein A0
BS	50732706	PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein A2/B1
BS	50750399	PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein A3
BS	50749280	PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein H3
BS	50762370	PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein K
BS	50760906	PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein M
BS	50740716	PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein U
BS	50744668	PREDICTED: similar to Hexaprenyldihydroxybenzoate methyltransferase, m
BS	50730707	PREDICTED: similar to highwire; PAM; rpm 1
BS	50728580	PREDICTED: similar to histone H2A [Gallus Gallus]
BS	50740770	PREDICTED: similar to Histone H3.3
BS	50728592	PREDICTED: similar to Histone protein Hist2h3c1
BS	50797875	PREDICTED: similar to Histone-lysine N-methyltransferase, H3 lysine-9
BS	50752608	PREDICTED: similar to homolog of polyhomeotic 3
BS	50755571	PREDICTED: similar to Homologue of S70447 F1Fo-ATP synthase complex
BS	50751676	PREDICTED: similar to Hook homolog 1 (h-hook1) (hHK1) [Gallus Gallus]

BS	50777726	PREDICTED: similar to HP1-BP74
BS	50799848	PREDICTED: similar to HSCO protein
BS	50728564	PREDICTED: similar to HSPC049 protein
BS	50758252	PREDICTED: similar to HSSH-2
BS	50745166	PREDICTED: similar to Hydroxyacyl dehydrogenase, subunit B
BS	50730398	PREDICTED: similar to Hypothetical protein
BS	50730699	PREDICTED: similar to Hypothetical protein
BS	50732948	PREDICTED: similar to Hypothetical protein
BS	50744606	PREDICTED: similar to hypothetical protein
BS	50744724	PREDICTED: similar to hypothetical protein
BS	50745461	PREDICTED: similar to hypothetical protein
BS	50746297	PREDICTED: similar to hypothetical protein
BS	50748346	PREDICTED: similar to Hypothetical protein
BS	50748902	PREDICTED: similar to hypothetical protein
BS	50749216	PREDICTED: similar to Hypothetical protein
BS	50753481	PREDICTED: similar to hypothetical protein
BS	50754565	PREDICTED: similar to hypothetical protein
BS	50759159	PREDICTED: similar to hypothetical protein
BS	50761561	PREDICTED: similar to Hypothetical protein
BS	50798962	PREDICTED: similar to Hypothetical protein
BS	50749194	PREDICTED: similar to hypothetical protein [Gallus Gallus]
BS	50749502	PREDICTED: similar to hypothetical protein [Gallus Gallus]
BS	50751730	PREDICTED: similar to hypothetical protein [Gallus Gallus]
BS	50752546	PREDICTED: similar to hypothetical protein [Gallus Gallus]
BS	50751812	PREDICTED: similar to hypothetical protein 4833401D15
BS	50755332	PREDICTED: similar to hypothetical protein 4932417K07
BS	50750461	PREDICTED: similar to hypothetical protein A130030D10
BS	50746112	PREDICTED: similar to hypothetical protein A630014H24
BS	50810900	PREDICTED: similar to Hypothetical protein BC013949
BS	50747011	PREDICTED: similar to hypothetical protein CG003
BS	50746160	PREDICTED: similar to hypothetical protein DKFZp434L142
BS	50753246	PREDICTED: similar to hypothetical protein FLJ10036
BS	50758178	PREDICTED: similar to hypothetical protein FLJ10099
BS	50773999	PREDICTED: similar to hypothetical protein FLJ10706, partial
BS	50753145	PREDICTED: similar to hypothetical protein FLJ11175, partial
BS	50752367	PREDICTED: similar to hypothetical protein FLJ11198
BS	50731387	PREDICTED: similar to hypothetical protein FLJ11848
BS	50756453	PREDICTED: similar to hypothetical protein FLJ13089
BS	50747029	PREDICTED: similar to Hypothetical protein FLJ13220
BS	50742618	PREDICTED: similar to hypothetical protein FLJ14917
BS	50753664	PREDICTED: similar to hypothetical protein FLJ20399 [Gallus Gallus] [M
BS	50751338	PREDICTED: similar to hypothetical protein FLJ20403 isoform 1; zinc fi
BS	50730253	PREDICTED: similar to hypothetical protein FLJ20514
BS	50742558	PREDICTED: similar to hypothetical protein FLJ20627
BS	50748604	PREDICTED: similar to hypothetical protein FLJ20707 isoform 1
BS	50750117	PREDICTED: similar to hypothetical protein FLJ22527
BS	50751436	PREDICTED: similar to hypothetical protein FLJ32000
BS	50729110	PREDICTED: similar to hypothetical protein FLJ32658
BS	50740836	PREDICTED: similar to Hypothetical protein FLJ32978
BS	50746467	PREDICTED: similar to hypothetical protein FLJ33167

BS	50761669	PREDICTED: similar to hypothetical protein FLJ35779
BS	50759249	PREDICTED: similar to Hypothetical protein FLJ36119
BS	50730135	PREDICTED: similar to Hypothetical protein FLJ36601
BS	50731281	PREDICTED: similar to Hypothetical protein FLJ37874
BS	50740182	PREDICTED: similar to Hypothetical protein FLJ38993
BS	50730097	PREDICTED: similar to hypothetical protein FLJ40243
BS	50728822	PREDICTED: similar to Hypothetical protein HSPC117
BS	50731964	PREDICTED: similar to Hypothetical protein KIAA0143
BS	50756663	PREDICTED: similar to Hypothetical protein KIAA0152
BS	50736714	PREDICTED: similar to Hypothetical protein KIAA0233
BS	50752976	PREDICTED: similar to Hypothetical protein KIAA0256, partial [Gallus g
BS	50804055	PREDICTED: similar to Hypothetical protein KIAA0286 (HA6800)
BS	50747240	PREDICTED: similar to Hypothetical protein KIAA0555
BS	50732275	PREDICTED: similar to Hypothetical protein KIAA0934
BS	50746705	PREDICTED: similar to Hypothetical protein KIAA1223
BS	50746911	PREDICTED: similar to Hypothetical protein L4768.12
BS	50745352	PREDICTED: similar to hypothetical protein MGC15523, partial
BS	50728340	PREDICTED: similar to Hypothetical protein MGC23401
BS	50731706	PREDICTED: similar to hypothetical protein MGC26979
BS	50740368	PREDICTED: similar to Hypothetical protein MGC29875
BS	50731087	PREDICTED: similar to hypothetical protein MGC33424
BS	50748117	PREDICTED: similar to hypothetical protein MGC40841
BS	50760869	PREDICTED: similar to hypothetical protein MGC45562
BS	50730176	PREDICTED: similar to Hypothetical protein MGC4825
BS	50732776	PREDICTED: similar to hypothetical protein MGC61571
BS	50759255	PREDICTED: similar to Hypothetical protein MGC63553
BS	50752719	PREDICTED: similar to Hypothetical protein MGC69443 [Gallus Gallus] [M
BS	50745451	PREDICTED: similar to Hypothetical protein MGC73071
BS	50734929	PREDICTED: similar to Hypothetical protein MGC76252
BS	50734932	PREDICTED: similar to Hypothetical protein MGC76315
BS	50760111	PREDICTED: similar to immunoglobulin superfamily, member 9; NCAM-like
BS	50804865	PREDICTED: similar to immunoglobulin-like receptor CHIR-A, partial
BS	50761264	PREDICTED: similar to importin 9
BS	50762142	PREDICTED: similar to Inhibitor of kappa light polypeptide gene enhancer in B-cells
BS	50753266	PREDICTED: similar to Inhibitor-1 of protein phosphatase type 2A
BS	50760465	PREDICTED: similar to Inositol 1,4,5-trisphosphate receptor type 3 (Ty
BS	50745611	PREDICTED: similar to Inositol polyphosphate phosphatase-like 1
BS	50751850	PREDICTED: similar to insulin-like 7
BS	50795476	PREDICTED: similar to Integral membrane protein CII-3b
BS	50750533	PREDICTED: similar to Integrin beta-6 precursor [Gallus Gallus]
BS	50741485	PREDICTED: similar to Interferon regulatory factor 2 binding protein 2
BS	50751738	PREDICTED: similar to Interleukin-12 receptor beta-2 chain precursor (
BS	50755753	PREDICTED: similar to Interleukin-4 receptor alpha-chain
BS	50752889	PREDICTED: similar to iron-responsive element binding protein 2; iron
BS	50747390	PREDICTED: similar to jumonji domain containing 1A; testis-specific pr
BS	50748506	PREDICTED: similar to Jun dimerization protein
BS	50731720	PREDICTED: similar to KAONASHI protein 1
BS	50740737	PREDICTED: similar to KARP-1-binding protein

BS	50760839	PREDICTED: similar to kelch-like 10 [Gallus Gallus]
BS	50746178	PREDICTED: similar to Kelch-like 2, Mayven
BS	50801966	PREDICTED: similar to Kelch-like 5
BS	50746551	PREDICTED: similar to kelch-like 8
BS	50751083	PREDICTED: similar to Kelch-like protein X
BS	50732686	PREDICTED: similar to KH domain-containing transcription factor B3
BS	50730378	PREDICTED: similar to KIAA0068
BS	50738502	PREDICTED: similar to KIAA0077
BS	50759386	PREDICTED: similar to KIAA0090 protein
BS	50747778	PREDICTED: similar to KIAA0298 protein
BS	50732922	PREDICTED: similar to KIAA0342 protein
BS	50728408	PREDICTED: similar to KIAA0373
BS	50744598	PREDICTED: similar to KIAA0441
BS	50751114	PREDICTED: similar to KIAA0605 gene product
BS	50758012	PREDICTED: similar to KIAA0612 protein
BS	50747059	PREDICTED: similar to KIAA0648 protein
BS	50757201	PREDICTED: similar to KIAA0649 gene product
BS	50749689	PREDICTED: similar to KIAA0690
BS	50732575	PREDICTED: similar to KIAA0744 protein
BS	50754185	PREDICTED: similar to KIAA0809 protein [Gallus Gallus]
BS	50755180	PREDICTED: similar to KIAA0837 protein
BS	50732862	PREDICTED: similar to KIAA0851 protein
BS	50731928	PREDICTED: similar to KIAA0870 protein
BS	50752973	PREDICTED: similar to KIAA0912 protein
BS	50733484	PREDICTED: similar to KIAA0947 protein
BS	50729134	PREDICTED: similar to KIAA0965 protein
BS	50750306	PREDICTED: similar to KIAA0971 protein
BS	50752835	PREDICTED: similar to KIAA1018 protein
BS	50758276	PREDICTED: similar to KIAA1047 protein
BS	50750926	PREDICTED: similar to KIAA1078 protein [Gallus Gallus]
BS	50760829	PREDICTED: similar to KIAA1092 protein [Gallus Gallus]
BS	50751053	PREDICTED: similar to KIAA1096 protein
BS	50746721	PREDICTED: similar to KIAA1109 protein
BS	50758715	PREDICTED: similar to KIAA1125 protein
BS	50749118	PREDICTED: similar to KIAA1128 protein [Gallus Gallus]
BS	50754888	PREDICTED: similar to KIAA1181 protein
BS	50732369	PREDICTED: similar to KIAA1217 protein
BS	50742688	PREDICTED: similar to KIAA1244
BS	50744999	PREDICTED: similar to KIAA1250 protein
BS	50732097	PREDICTED: similar to KIAA1285 protein
BS	50752606	PREDICTED: similar to KIAA1363 protein [Gallus Gallus]
BS	50754205	PREDICTED: similar to KIAA1410 protein [Gallus Gallus]
BS	50799547	PREDICTED: similar to KIAA1441 protein, partial
BS	50750806	PREDICTED: similar to KIAA1461 protein
BS	50728049	PREDICTED: similar to KIAA1505 protein
BS	50757243	PREDICTED: similar to KIAA1529 protein
BS	50746449	PREDICTED: similar to KIAA1546 protein
BS	50749829	PREDICTED: similar to KIAA1600 protein
BS	50745378	PREDICTED: similar to KIAA1640 protein
BS	50728634	PREDICTED: similar to KIAA1649 protein
BS	50732946	PREDICTED: similar to KIAA1706 protein

BS	50749695	PREDICTED: similar to KIAA1795 protein
BS	50761737	PREDICTED: similar to KIAA1797
BS	50749821	PREDICTED: similar to KIAA1914 protein
BS	50803039	PREDICTED: similar to KIAA1985 protein, partial
BS	50729514	PREDICTED: similar to KIAA2018 protein
BS	50733601	PREDICTED: similar to kinesin family member 13A; homolog of mouse KIF1
BS	50741974	PREDICTED: similar to Kinesin family member 18A
BS	50762366	PREDICTED: similar to Kinesin family member 27
BS	50732878	PREDICTED: similar to kinesin-like 7; kinesin-like protein 2
BS	50751486	PREDICTED: similar to Kinesin-like protein KIF2C
BS	50755196	PREDICTED: similar to Kinesin-like protein KIF3A
BS	50756417	PREDICTED: similar to Kinetochore-associated protein 1 (Rough deal hom
BS	50750161	PREDICTED: similar to kynurenine 3-monooxygenase (kynurenine 3-hydroxy
BS	50757356	PREDICTED: similar to Kynurenine--oxoglutarate transaminase I (Kynuren
BS	50731605	PREDICTED: similar to Lactamase, beta 2
BS	50753035	PREDICTED: similar to Lamin B3
BS	50751110	PREDICTED: similar to Lamina-associated polypeptide 1B
BS	50728532	PREDICTED: similar to Lamina-associated polypeptide 2
BS	50751162	PREDICTED: similar to Laminin
BS	50759027	PREDICTED: similar to Laminin alpha-5 chain precursor
BS	50751160	PREDICTED: similar to Laminin, gamma 1
BS	50742532	PREDICTED: similar to LATS homolog 1; LATS (large tumor suppressor, Dr
BS	50731051	PREDICTED: similar to LATS, large tumor suppressor, homolog 2
BS	50761020	PREDICTED: similar to lectin associated matrix protein [Gallus Gallus]
BS	50740428	PREDICTED: similar to Leucine-rich PPR motif-containing protein
BS	50757354	PREDICTED: similar to Leucine-rich repeat-containing 8
BS	50752311	PREDICTED: similar to leucine-rich repeats and calponin homology (CH)
BS	50757139	PREDICTED: similar to LIM homeobox protein 6
BS	50746781	PREDICTED: similar to LIM protein (similar to rat protein kinase C-bin
BS	50729138	PREDICTED: similar to Liprin-beta 1 (Protein tyrosine phosphatase rece
BS	50750485	PREDICTED: similar to liver bile salt export pump
BS	50752038	PREDICTED: similar to Long-chain-fatty-acid--CoA ligase 3 (Long-chain
BS	50750792	PREDICTED: similar to Low-density lipoprotein receptor-related protein
BS	50730853	PREDICTED: similar to L-plastin (Lymphocyte cytosolic protein 1)
BS	50755956	PREDICTED: similar to Luc7 homolog (S. cerevisiae)-like [Gallus Gallus
BS	50728628	PREDICTED: similar to LUC7L2 protein
BS	50737746	PREDICTED: similar to Lyn protein non-receptor kinase
BS	50757195	PREDICTED: similar to lysophosphatidic acid acyltransferase
BS	50748257	PREDICTED: similar to Lysosomal acid phosphatase precursor (LAP) [Gall
BS	50749350	PREDICTED: similar to macroH2A2
BS	50760220	PREDICTED: similar to MAIL
BS	50758110	PREDICTED: similar to Malate dehydrogenase, mitochondrial

BS	50746002	PREDICTED: similar to Malignant T cell amplified sequence 1
BS	50761186	PREDICTED: similar to Mannose-6-phosphate receptor binding protein 1 (
BS	50753240	PREDICTED: similar to MAP kinase kinase
BS	50730526	PREDICTED: similar to MCF.2 cell line derived transforming sequence-li
BS	50760057	PREDICTED: similar to MEGF11 protein
BS	50728660	PREDICTED: similar to meiosis defective 1
BS	50749913	PREDICTED: similar to Mel18 and Bmi1 like ring finger
BS	50750519	PREDICTED: similar to melanoma differentiation associated protein-5; D
BS	50762059	PREDICTED: similar to Membrane guanylyl cyclase OcGC8
BS	50749703	PREDICTED: similar to meningioma expressed antigen 5 (hyaluronidase)
BS	50728416	PREDICTED: similar to metabotropic glutamate receptor 8, partial
BS	50732287	PREDICTED: similar to Metalloprotease 1
BS	50748470	PREDICTED: similar to methylmalonate semialdehyde dehydrogenase gene
BS	50795485	PREDICTED: similar to MGC22014 protein
BS	50751548	PREDICTED: similar to MGC22960 protein
BS	50728888	PREDICTED: similar to MGC4170 protein
BS	50751152	PREDICTED: similar to MGC52980 protein
BS	50732411	PREDICTED: similar to MGC53207 protein
BS	50772267	PREDICTED: similar to MGC53395 protein, partial
BS	50761028	PREDICTED: similar to MGC53673 protein
BS	50748684	PREDICTED: similar to MGC64404 protein
BS	50734133	PREDICTED: similar to MGC64421 protein
BS	50730504	PREDICTED: similar to MGC68463 protein
BS	50745164	PREDICTED: similar to MGC68629 protein
BS	50729879	PREDICTED: similar to MGC68738 protein
BS	50731704	PREDICTED: similar to MGC68792 protein
BS	50751406	PREDICTED: similar to MGC68819 protein
BS	50758116	PREDICTED: similar to MGC69029 protein
BS	50751077	PREDICTED: similar to Microsomal glutathione S-transferase 3
BS	50732339	PREDICTED: similar to microtubule associated serine/threonine kinase-I
BS	50744696	PREDICTED: similar to Midasin (MIDAS-containing protein)
BS	50768298	PREDICTED: similar to minichromosome maintenance protein 10 isoform 2;
BS	50754403	PREDICTED: similar to minichromosome maintenance protein 2; cyclin-lik
BS	50750149	PREDICTED: similar to minichromosome maintenance protein 3 associated
BS	50732832	PREDICTED: similar to Mitochondrial 60S ribosomal protein L3 (L3mt)
BS	50729945	PREDICTED: similar to Mitochondrial ATP synthase, O subunit
BS	50799214	PREDICTED: similar to Mitochondrial cytochrome c oxidase subunit 5a
BS	50747380	PREDICTED: similar to Mitochondrial inner membrane protein (Mitofilin)
BS	50731037	PREDICTED: similar to Mitochondrial intermediate peptidase
BS	50801147	PREDICTED: similar to Mitochondrial ribosomal protein L10
BS	50757492	PREDICTED: similar to Mitochondrial ribosomal protein L41
BS	50740564	PREDICTED: similar to mitochondrial ribosomal protein S18A
BS	50730474	PREDICTED: similar to Mitochondrial ribosomal protein S9

BS	50761296	PREDICTED: similar to Mitogen-activated protein kinase 14
BS	50761493	PREDICTED: similar to Mitogen-activated protein kinase kinase kinase 1
BS	50730209	PREDICTED: similar to mitogen-activated protein kinase kinase kinase 5
BS	50754153	PREDICTED: similar to mitogen-activated protein kinase-activated prote
BS	50755811	PREDICTED: similar to mitotic checkpoint protein
BS	50741488	PREDICTED: similar to mixed lineage kinase 4
BS	50750810	PREDICTED: similar to mKIAA0531 protein
BS	50728544	PREDICTED: similar to mKIAA0701 protein
BS	50731401	PREDICTED: similar to MKIAA0769 protein
BS	50806637	PREDICTED: similar to mKIAA0850 protein
BS	50730975	PREDICTED: similar to MKIAA0979 protein
BS	50807613	PREDICTED: similar to mKIAA1062 protein, partial
BS	50749408	PREDICTED: similar to mKIAA1296 protein
BS	50755316	PREDICTED: similar to mKIAA1632 protein [Gallus Gallus]
BS	50742594	PREDICTED: similar to mKIAA2016 protein
BS	50749683	PREDICTED: similar to MMS19
BS	50729500	PREDICTED: similar to MmTbx14
BS	50745593	PREDICTED: similar to Moesin (Membrane-organizing extension spike protein)
BS	50803273	PREDICTED: similar to M-phase phosphoprotein 1
BS	50794291	PREDICTED: similar to MRGH G protein-coupled receptor
BS	50759319	PREDICTED: similar to Msx-2 interacting nuclear target protein
BS	50729965	PREDICTED: similar to Mtpd protein
BS	50747894	PREDICTED: similar to mucin 5
BS	50751376	PREDICTED: similar to mucolipin 2
BS	50747244	PREDICTED: similar to multiple coiled-coil GABABR1-binding protein
BS	50805923	PREDICTED: similar to muscle specific ring finger protein 1; muscle sp
BS	50730631	PREDICTED: similar to Muscleblind-like 2
BS	50758056	PREDICTED: similar to MYB binding protein 1a
BS	50745421	PREDICTED: similar to Myc-binding protein-associated protein
BS	50744910	PREDICTED: similar to Myelin transcription factor 1-like
BS	50797853	PREDICTED: similar to Myeloid/lymphoid or mixed-lineage leukemia protein 2
BS	50732237	PREDICTED: similar to Myeloid/lymphoid or mixed-lineage leukemia protein 3
BS	50750184	PREDICTED: similar to MYO1B protein [Gallus Gallus]
BS	50749589	PREDICTED: similar to myoferlin isoform b; fer-1-like 3; fer-1 (C.eleg
BS	50757613	PREDICTED: similar to myosin heavy chain
BS	50760625	PREDICTED: similar to Myosin Id
BS	50753741	PREDICTED: similar to Myosin light chain kinase
BS	50733074	PREDICTED: similar to Myosin VIIA and Rab interacting protein
BS	50734574	PREDICTED: similar to Myosin X
BS	50746941	PREDICTED: similar to Myotubularin related protein 7
BS	50755061	PREDICTED: similar to N-acetylglucosaminyltransferase IVb [Gallus gall
BS	50746933	PREDICTED: similar to N-acylsphingosine amidohydrolase
BS	50802071	PREDICTED: similar to NAD(-)-isocitrate dehydrogenase subunit 1 IDH1-A
BS	50788575	PREDICTED: similar to NAD(P)-arginine ADP-ribosyltransferase

BS	50729240	PREDICTED: similar to NADH dehydrogenase (ubiquinone) 1 alpha subcomplex
BS	50750318	PREDICTED: similar to NADH dehydrogenase (ubiquinone) Fe-S protein 1
BS	50748097	PREDICTED: similar to NADH dehydrogenase (ubiquinone) Fe-S protein 3
BS	50729536	PREDICTED: similar to NADH ubiquinone oxidoreductase B15 chain like
BS	50728500	PREDICTED: similar to NADH:ubiquinone oxidoreductase b17.2 subunit
BS	50731984	PREDICTED: similar to NADH2 dehydrogenase (ubiquinone) (EC 1.6.5.3)
BS	50750826	PREDICTED: similar to Nebulin
BS	50747057	PREDICTED: similar to Nedd4 binding protein 2
BS	50732842	PREDICTED: similar to Nephrocystin 3
BS	50742570	PREDICTED: similar to Nesprin 1 (Nuclear envelope spectrin repeat
BS	50759902	PREDICTED: similar to Neural specific sr protein NSSR 1
BS	50730965	PREDICTED: similar to Neurobeachin
BS	50758420	PREDICTED: similar to neurofibromatosis type 1
BS	50747574	PREDICTED: similar to neuron navigator 2 isoform 2; retinoic acid indu
BS	50746751	PREDICTED: similar to neurotrypsin precursor; motopsin; brain-specific
BS	50749811	PREDICTED: similar to NHL repeat containing 2; Similar to RIKEN cDNA 1
BS	50761621	PREDICTED: similar to Nicotinamide nucleotide transhydrogenase
BS	50758232	PREDICTED: similar to NIMA-related kinase 8; NIMA-related kinase 12a
BS	50749086	PREDICTED: similar to ninein isoform 2; GSK3B-interacting protein; nin
BS	50756835	PREDICTED: similar to nitric oxide synthase 1, neuronal; Nitric oxide
BS	50799692	PREDICTED: similar to NOL6 protein
BS	50746078	PREDICTED: similar to Non-POU domain containing, octamer-binding
BS	50752991	PREDICTED: similar to normal mucosa of esophagus specific 1
BS	50747518	PREDICTED: similar to NP220 nuclear protein; CTCL tumor antigen se33-1
BS	50748800	PREDICTED: similar to NUANCE [Gallus Gallus] [MA
BS	50730831	PREDICTED: similar to Nuclear FMRP interacting protein 1
BS	50736209	PREDICTED: similar to Nuclear hormone receptor NOR-1
BS	50794550	PREDICTED: similar to Nuclear poly(C)-binding protein
BS	50795901	PREDICTED: similar to Nuclear pore membrane glycoprotein 210-like
BS	50757241	PREDICTED: similar to nuclear protein
BS	50750834	PREDICTED: similar to nuclear receptor subfamily 4, group A, member 2;
BS	50750286	PREDICTED: similar to Nucleolar protein NOP5 (Nucleolar protein 5)
BS	50749422	PREDICTED: similar to nucleolus-cytoplasm shuttle phosphoprotein - rat
BS	50729180	PREDICTED: similar to Nucleoporin 50 kDa (Nuclear pore-associated prot
BS	50748784	PREDICTED: similar to nudix -type motif 14; uridine diphosphate glucos
BS	50732147	PREDICTED: similar to Obscurin, cytoskeletal calmodulin and titin-inte
BS	50780699	PREDICTED: similar to Olfactory receptor 5BF1, partial
BS	50777900	PREDICTED: similar to Olfactory receptor 5U1 (Hs6M1-28)
BS	50747624	PREDICTED: similar to OLFACTORY RECEPTOR-LIKE PROTEIN COR4

BS	50745571	PREDICTED: similar to Oligophrenin 1
BS	50745342	PREDICTED: similar to opsin 5; G protein-coupled receptor 136; neurops
BS	50730257	PREDICTED: similar to Oral-facial-digital syndrome 1 protein (Protein
BS	50750804	PREDICTED: similar to origin recognition complex subunit 4; origin rec
BS	50744718	PREDICTED: similar to origin recognition complex, subunit 3 isoform 2;
BS	50750033	PREDICTED: similar to O-sialoglycoprotein endopeptidase-like 1
BS	50747914	PREDICTED: similar to Ovomucin beta-subunit
BS	50738613	PREDICTED: similar to P53-associated parkin-like cytoplasmic protein
BS	50759870	PREDICTED: similar to PABPC4 protein
BS	50751740	PREDICTED: similar to PAI-1 mRNA-binding protein [Gallus Gallus]
BS	50761154	PREDICTED: similar to Paired amphipathic helix protein Sin3b
BS	50751264	PREDICTED: similar to Palmelphin
BS	50805162	PREDICTED: similar to pannexin 2, partial
BS	50741722	PREDICTED: similar to Parkinson disease (autosomal recessive, juvenile)
BS	50754851	PREDICTED: similar to PCTP-like protein (PCTP-L) (StAR-related lipid t
BS	50728202	PREDICTED: similar to PDZ domain containing RING finger 4; IMAGE576758
BS	50751412	PREDICTED: similar to PDZ domain protein GIPC2; likely ortholog of mou
BS	50755567	PREDICTED: similar to pentatricopeptide repeat domain 1 [Gallus Gallus
BS	50759473	PREDICTED: similar to peptidyl prolyl isomerase H; cyclophilin H; rota
BS	50741989	PREDICTED: similar to Peripheral-type benzodiazepine receptor- associated protein 1
BS	50751518	PREDICTED: similar to Peroxiredoxin 1
BS	50730180	PREDICTED: similar to Peroxiredoxin 4 (Prx-IV)
BS	50732481	PREDICTED: similar to peroxisome biogenesis factor 1
BS	50756735	PREDICTED: similar to PES1 protein
BS	50744974	PREDICTED: similar to PHD finger protein 3
BS	50754531	PREDICTED: similar to PHD finger protein 7
BS	50752042	PREDICTED: similar to Phenylalanyl-tRNA synthetase beta chain
BS	50728534	PREDICTED: similar to Phosphate carrier protein
BS	50759504	PREDICTED: similar to Phosphatidate cytidyltransferase 2
BS	50756703	PREDICTED: similar to Phosphatidylethanolamine-binding protein (PEBP)
BS	50758222	PREDICTED: similar to Phosphatidylinositol glycan, class S homolog
BS	50795211	PREDICTED: similar to phosphatidylinositol-binding clathrin assembly protein
BS	50744756	PREDICTED: similar to Phosphoacetylglucosamine mutase (PAGM)
BS	50751728	PREDICTED: similar to phosphodiesterase 4B
BS	50753825	PREDICTED: similar to Phosphoglucose isomerase
BS	50749899	PREDICTED: similar to phosphoglycerate mutase
BS	50759285	PREDICTED: similar to phosphoinositide-3-kinase, catalytic, delta polypeptide
BS	50760287	PREDICTED: similar to Phosphoinositide-3-kinase, class 2, beta polypeptide
BS	50732193	PREDICTED: similar to Phospholipase C, delta 1
BS	50748456	PREDICTED: similar to Pinin, desmosome associated protein
BS	50756289	PREDICTED: similar to PIWI protein

BS	50809359	PREDICTED: similar to piwi-like 2; Miwi like
BS	50747608	PREDICTED: similar to plakophilin-3
BS	50729722	PREDICTED: similar to pleckstrin homology-like domain, family B, membe
BS	50760357	PREDICTED: similar to plexin A2
BS	50754441	PREDICTED: similar to PlexinB1
BS	50736109	PREDICTED: similar to Poly(rC)-binding protein 3 (Alpha-CP3)
BS	50801542	PREDICTED: similar to Polyadenylate-binding protein 1
BS	50745272	PREDICTED: similar to Polycystic kidney and hepatic disease 1
BS	50753886	PREDICTED: similar to polycystic kidney disease 1-like 2
BS	50729318	PREDICTED: similar to Polycystic kidney disease and receptor for egg jelly related protein
BS	50762029	PREDICTED: similar to Polydom protein
BS	50749036	PREDICTED: similar to potassium channel TREK-2
BS	50731025	PREDICTED: similar to Potential phospholipid-transporting ATPase IB
BS	50762290	PREDICTED: similar to Potential phospholipid-transporting ATPase ID
BS	50758833	PREDICTED: similar to PPAR-alpha interacting complex protein 285
BS	50745360	PREDICTED: similar to pre-acrosome localization protein
BS	50731328	PREDICTED: similar to Pre-mRNA splicing factor 18 (PRP18 homolog)
BS	50750206	PREDICTED: similar to pre-mRNA splicing factor SF3b 155 kDa subunit
BS	50797625	PREDICTED: similar to prenylcysteine oxidase 1
BS	50756067	PREDICTED: similar to Probable ATP-dependent helicase DDX48
BS	50729987	PREDICTED: similar to probable dual-specificity Ser/Thr/Tyr kinase
BS	50752582	PREDICTED: similar to Probable G protein-coupled receptor H963
BS	50760176	PREDICTED: similar to probable RNA helicase, RCK
BS	50730111	PREDICTED: similar to Probable ubiquitin carboxyl-terminal hydrolase F
BS	50746371	PREDICTED: similar to progesterone membrane binding protein
BS	50752508	PREDICTED: similar to Programmed cell death 10
BS	50745603	PREDICTED: similar to Programmed cell death protein 8
BS	50760715	PREDICTED: similar to Prohibitin
BS	50728228	PREDICTED: similar to prolactin-b
BS	50761802	PREDICTED: similar to Proprotein convertase subtilisin/kexin type 5
BS	50752319	PREDICTED: similar to proteasome 26S non-ATPase subunit 1
BS	50733010	PREDICTED: similar to Proteasome subunit alpha type 2 (Proteasome component C3)
BS	50759776	PREDICTED: similar to Proteasome subunit beta type 2 (Proteasome component C7-I)
BS	50729951	PREDICTED: similar to Protein C21orf18
BS	50733457	PREDICTED: similar to Protein disulfide isomerase A4
BS	50745031	PREDICTED: similar to Protein disulfide isomerase A6
BS	50754826	PREDICTED: similar to Protein KIAA0141
BS	50766992	PREDICTED: similar to Protein KIAA0179
BS	50730035	PREDICTED: similar to Protein KIAA0539
BS	50758737	PREDICTED: similar to Protein KIAA1404
BS	50757861	PREDICTED: similar to Protein kinase C, alpha type (PKC-alpha)
BS	50754129	PREDICTED: similar to protein kinase C, delta
BS	50753252	PREDICTED: similar to protein kinase NYD-SP5
BS	50729794	PREDICTED: similar to Protein kinase substrate MK2S4
BS	50729028	PREDICTED: similar to Protein MICAL-3

BS	50728053	PREDICTED: similar to protein tyrosine phosphatase, non-receptor type 12
BS	50740293	PREDICTED: similar to Protein tyrosine phosphatase, non-receptor type 14
BS	50729470	PREDICTED: similar to protein tyrosine phosphatase, non-receptor type 6
BS	50732874	PREDICTED: similar to Protein-glutamine glutamyltransferase 4
BS	50745248	PREDICTED: similar to Protein-tyrosine kinase, blk
BS	50757306	PREDICTED: similar to Proto-oncogene tyrosine-protein kinase ABL1
BS	50728388	PREDICTED: similar to PTPRF interacting protein alpha 2
BS	50796725	PREDICTED: similar to Putative 40S ribosomal protein 20S protein
BS	50732585	PREDICTED: similar to putative binding protein 7a5
BS	50758084	PREDICTED: similar to putative emu2 protein
BS	50747142	PREDICTED: similar to Putative pre-mRNA splicing factor RNA helicase
BS	50760097	PREDICTED: similar to Putative RNA-binding protein 7
BS	50761635	PREDICTED: similar to putative transcription factor ZNF131
BS	50730211	PREDICTED: similar to Pyruvate dehydrogenase
BS	50754481	PREDICTED: similar to Pyruvate dehydrogenase E1 component beta subunit
BS	50753579	PREDICTED: similar to pyruvate dehydrogenase phosphatase regulatory subunit
BS	50740630	PREDICTED: similar to PYST9371
BS	50753230	PREDICTED: similar to RAB11a, member RAS oncogene family
BS	50732331	PREDICTED: similar to Rab18
BS	50740242	PREDICTED: similar to rab3 GTPase-activating protein, non-catalytic subunit
BS	50756687	PREDICTED: similar to RAB35 protein
BS	50745489	PREDICTED: similar to RAB37, member RAS oncogene family
BS	50751310	PREDICTED: similar to Rab6-interacting protein 2
BS	50762603	PREDICTED: similar to Ral guanine nucleotide dissociation stimulator-like 1
BS	50730490	PREDICTED: similar to Ran-binding protein 2
BS	50751192	PREDICTED: similar to Ras GTPase-activating protein nGAP
BS	50753324	PREDICTED: similar to Ras GTPase-activating-like protein IQGAP1
BS	50751982	PREDICTED: similar to RAS p21 protein activator 2
BS	50756767	PREDICTED: similar to RasGAP-activating-like protein 1
BS	50745916	PREDICTED: similar to RAS-like, family 11, member A
BS	50738954	PREDICTED: similar to Ras-related protein
BS	50737601	PREDICTED: similar to Rb1-inducible coiled coil protein 1
BS	50794287	PREDICTED: similar to receptor kinase
BS	50751460	PREDICTED: similar to receptor protein tyrosine phosphatase LAR
BS	50731057	PREDICTED: similar to Recessive polycystic kidney disease protein Tg73
BS	50730562	PREDICTED: similar to Regucalcin
BS	50777870	PREDICTED: similar to Regulator of chromosome condensation (Cell cycle regulatory protein)
BS	50762019	PREDICTED: similar to regulator of differentiation (in S. pombe) 1
BS	50757867	PREDICTED: similar to Regulator of G protein signaling RGS9-1
BS	50747088	PREDICTED: similar to replication factor C large subunit
BS	50730440	PREDICTED: similar to Replication-dependent histone H2A

BS	50730125	PREDICTED: similar to Retinitis pigmentosa GTP-ase regulator RPGR
BS	50759384	PREDICTED: similar to retinoblastoma-associated factor 600
BS	50762280	PREDICTED: similar to Retinoic acid induced 14
BS	50793248	PREDICTED: similar to Rho GTPase-activating protein; GAB-associated CDC42
BS	50760079	PREDICTED: similar to Rho guanine nucleotide exchange factor 12
BS	50730554	PREDICTED: similar to Rho guanine nucleotide exchange factor 7
BS	50761651	PREDICTED: similar to Rho-guanine nucleotide exchange factor
BS	50758655	PREDICTED: similar to Ribophorin II
BS	50731620	PREDICTED: similar to Ribosomal protein
BS	50757498	PREDICTED: similar to ribosomal protein L12 60S
BS	50786977	PREDICTED: similar to ribosomal protein L17 (L23) 60S
BS	50731019	PREDICTED: similar to ribosomal protein L21
BS	50760764	PREDICTED: similar to ribosomal protein L23
BS	50758228	PREDICTED: similar to ribosomal protein L23a 60S
BS	50754890	PREDICTED: similar to ribosomal protein L26; 60S
BS	50728722	PREDICTED: similar to ribosomal protein L3
BS	50730448	PREDICTED: similar to ribosomal protein L31
BS	50754636	PREDICTED: similar to ribosomal protein L32 60S
BS	50730105	PREDICTED: similar to ribosomal protein L8 60S
BS	50774641	PREDICTED: similar to ribosomal protein L9
BS	50800573	PREDICTED: similar to ribosomal protein P2 60S
BS	50742739	PREDICTED: similar to Ribosomal protein S12
BS	50805893	PREDICTED: similar to ribosomal protein S13
BS	50755035	PREDICTED: similar to Ribosomal protein S14
BS	50728374	PREDICTED: similar to ribosomal protein S16 40S
BS	50755669	PREDICTED: similar to ribosomal protein S2 40S
BS	50761979	PREDICTED: similar to Ribosomal protein S23
BS	50731403	PREDICTED: similar to ribosomal protein S3 40S
BS	50746323	PREDICTED: similar to ribosomal protein S3a 40S
BS	50730201	PREDICTED: similar to ribosomal protein S6 kinase 2
BS	50745818	PREDICTED: similar to Ribosomal protein S6 kinase alpha 6
BS	50741701	PREDICTED: similar to ribosomal protein S6 kinase, 90kDa, polypeptide
BS	50744918	PREDICTED: similar to Ribosomal protein S7
BS	50755988	PREDICTED: similar to RIKEN cDNA 0610011B16
BS	50741503	PREDICTED: similar to RIKEN cDNA 0610012K18
BS	50755499	PREDICTED: similar to RIKEN cDNA 1110015K06
BS	50760297	PREDICTED: similar to RIKEN cDNA 1110063G11
BS	50758809	PREDICTED: similar to RIKEN cDNA 1190003A07
BS	50731668	PREDICTED: similar to RIKEN cDNA 1200008A14
BS	50729522	PREDICTED: similar to RIKEN cDNA 1500010J02
BS	50757645	PREDICTED: similar to RIKEN cDNA 1700019F09
BS	50753340	PREDICTED: similar to RIKEN cDNA 1700111A04
BS	50799873	PREDICTED: similar to RIKEN cDNA 2300002G02
BS	50752313	PREDICTED: similar to RIKEN cDNA 2400003L07
BS	50728940	PREDICTED: similar to RIKEN cDNA 2610037M15
BS	50758324	PREDICTED: similar to RIKEN cDNA 3100002B05
BS	50729652	PREDICTED: similar to RIKEN cDNA 4930451A13
BS	50758254	PREDICTED: similar to RIKEN cDNA 4930563A03
BS	50736946	PREDICTED: similar to RIKEN cDNA 4931400A14

BS	50738508	PREDICTED: similar to RIKEN cDNA 4933407N01
BS	50745180	PREDICTED: similar to RIKEN cDNA 4933425F03
BS	50747152	PREDICTED: similar to RIKEN cDNA 4933428G09
BS	50762114	PREDICTED: similar to RIKEN cDNA 5830433M19
BS	50743039	PREDICTED: similar to RIKEN cDNA 6330407J23
BS	50746779	PREDICTED: similar to RIKEN cDNA 9030408N13
BS	50753111	PREDICTED: similar to RIKEN cDNA 9830160G03
BS	50761816	PREDICTED: similar to RIKEN cDNA A230083H22
BS	50753332	PREDICTED: similar to RIKEN cDNA C230094B15
BS	50740695	PREDICTED: similar to RIKEN cDNA C330023F11
BS	50750784	PREDICTED: similar to RIKEN cDNA D130067I03
BS	50748400	PREDICTED: similar to RIKEN cDNA D930036F22
BS	50754341	PREDICTED: similar to RIKEN cDNA E230015L20
BS	50746042	PREDICTED: similar to ring finger protein 128
BS	50761951	PREDICTED: similar to ring finger protein 20
BS	50761380	PREDICTED: similar to RNA polymerase II elongation factor ELL2
BS	50736293	PREDICTED: similar to Rotatin
BS	50730510	PREDICTED: similar to RP42 homolog
BS	50729688	PREDICTED: similar to Rpl24 protein
BS	50755847	PREDICTED: similar to Rps15a protein
BS	50740993	PREDICTED: similar to Ryanodine receptor 2
BS	50749440	PREDICTED: similar to <i>S. cerevisiae</i> SEC31-like 2
BS	50731041	PREDICTED: similar to sacs1n
BS	50794838	PREDICTED: similar to Scaffold attachment factor B
BS	50736125	PREDICTED: similar to Sdha protein
BS	50746991	PREDICTED: similar to sec1 family domain containing 2; syntaxin bindin
BS	50750690	PREDICTED: similar to SEC22 vesicle trafficking protein-like 2
BS	50748562	PREDICTED: similar to SEL1L
BS	50745121	PREDICTED: similar to Selective LIM-binding factor Wimple
BS	50737419	PREDICTED: similar to Selenoprotein I
BS	50728112	PREDICTED: similar to selenoprotein O
BS	50734960	PREDICTED: similar to semaphorin 5A
BS	50752631	PREDICTED: similar to Semaphorin 7A
BS	50746016	PREDICTED: similar to Septin 6
BS	50732694	PREDICTED: similar to Serine/threonine kinase 31
BS	50745216	PREDICTED: similar to serine/threonine kinase 35
BS	50730267	PREDICTED: similar to Serine/threonine protein phosphatase with EF-hands-1
BS	50754879	PREDICTED: similar to Serine/threonine-protein kinase 10
BS	50755733	PREDICTED: similar to Serine/threonine-protein kinase PLK1
BS	50747752	PREDICTED: similar to SET binding factor 2
BS	50797211	PREDICTED: similar to Sfrs7 protein
BS	50748018	PREDICTED: similar to SH3 and multiple ankyrin repeat domains 2
BS	50746325	PREDICTED: similar to SH3 domain protein D19
BS	50745826	PREDICTED: similar to SH3 domain-binding glutamic acid-rich-like protein
BS	50746202	PREDICTED: similar to SH3 multiple domains 2
BS	50746873	PREDICTED: similar to Short transient receptor potential channel 3
BS	50756313	PREDICTED: similar to Silencing mediator of retinoic acid and thyroid hormone receptor

BS	50759914	PREDICTED: similar to sister-of-mammalian grainyhead protein
BS	50759213	PREDICTED: similar to Skeletrophin
BS	50747132	PREDICTED: similar to SLA/LP autoantigen
BS	50728270	PREDICTED: similar to SLIT-ROBO Rho GTPase-activating protein 1
BS	50761793	PREDICTED: similar to SMC5 structural maintenance of chromosomes 5-like
BS	50745053	PREDICTED: similar to SMC6 protein
BS	50756465	PREDICTED: similar to Sno, strawberry notch homolog 1
BS	50746673	PREDICTED: similar to sodium bicarbonate cotransporter
BS	50750507	PREDICTED: similar to Sodium channel protein type II alpha subunit
BS	50751836	PREDICTED: similar to solute carrier family 1
BS	50728258	PREDICTED: similar to solute carrier family 16, member 7
BS	50757394	PREDICTED: similar to solute carrier family 27
BS	50756629	PREDICTED: similar to solute carrier family 5
BS	50748288	PREDICTED: similar to solute carrier family 8 member 3
BS	50794890	PREDICTED: similar to Son of sevenless homolog 1
BS	50732573	PREDICTED: similar to Sorting nexin 13
BS	50746457	PREDICTED: similar to Sorting nexin 25
BS	50748416	PREDICTED: similar to Sorting nexin 6 (TRAF4-associated factor 2)
BS	50740683	PREDICTED: similar to Spastin
BS	50748191	PREDICTED: similar to Spectrin beta chain, brain 4
BS	50803149	PREDICTED: similar to spectrin, beta, erythrocytic
BS	50753981	PREDICTED: similar to Spg7 protein
BS	50749542	PREDICTED: similar to Sphingomyelin synthase-related 1
BS	50754011	PREDICTED: similar to SPIRE2 protein
BS	50756827	PREDICTED: similar to Splicing factor 3 subunit 1 (Spliceosome associated)
BS	50746871	PREDICTED: similar to sprouty homolog 1
BS	50752198	PREDICTED: similar to SPRY domain-containing SOCS box 4
BS	50794255	PREDICTED: similar to Src homology 3 domain-containing protein HIP-55
BS	50744566	PREDICTED: similar to Src related tyrosine kinase
BS	50758727	PREDICTED: similar to Staufen
BS	50750491	PREDICTED: similar to Ste-20 related kinase SPAK
BS	50736155	PREDICTED: similar to sterile alpha motif domain containing 6
BS	50745208	PREDICTED: similar to steroid receptor coactivator-1
BS	50762240	PREDICTED: similar to Stomatin (EPB72)-like 2
BS	50754808	PREDICTED: similar to Stress-70 protein
BS	50754808	PREDICTED: similar to Stress-70 protein, mitochondrial
BS	50740646	PREDICTED: similar to Striatin
BS	50747978	PREDICTED: similar to Structure specific recognition protein 1
BS	50747420	PREDICTED: similar to Succinyl-CoA synthetase alpha subunit
BS	50761602	PREDICTED: similar to Succinyl-CoA:3-ketoacid-coenzyme A transferase 1
BS	50728696	PREDICTED: similar to Suppression of tumorigenicity 13
BS	50736287	PREDICTED: similar to suppressor of cytokine signaling 6
BS	50756557	PREDICTED: similar to sushi domain containing 2
BS	50745794	PREDICTED: similar to sushi-repeat protein
BS	50745990	PREDICTED: similar to SWI/SNF-related matrix-associated actin-dependent regulator of chromatin a1
BS	50746088	PREDICTED: similar to Synapse-associated protein 102

BS	50729921	PREDICTED: similar to synaptojanin
BS	50774013	PREDICTED: similar to Synaptotagmin-like 2
BS	50728990	PREDICTED: similar to synArfGEF
BS	50759850	PREDICTED: similar to syncoilin
BS	50806953	PREDICTED: similar to Syntaxin 7
BS	50737839	PREDICTED: similar to Syntenin 1
BS	50756147	PREDICTED: similar to taspase 1
BS	50730572	PREDICTED: similar to Tbc1d8 protein
BS	50732052	PREDICTED: similar to TBP-associated factor 2; TAF2 RNA polymerase II
BS	50741749	PREDICTED: similar to T-complex polypeptide 1
BS	50787137	PREDICTED: similar to Teneurin-4
BS	50746483	PREDICTED: similar to Ten-m3
BS	50751514	PREDICTED: similar to TESK2 protein
BS	50758330	PREDICTED: similar to testis protein TEX14
BS	50731958	PREDICTED: similar to testis specific protein
BS	50746971	PREDICTED: similar to Testis specific, 10
BS	50748446	PREDICTED: similar to Tetratricopeptide repeat protein 6
BS	50750640	PREDICTED: similar to TFIIH basal transcription factor complex helicase
BS	50753831	PREDICTED: similar to thioesterase B
BS	50736203	PREDICTED: similar to Thioredoxin domain containing protein 4
BS	50734046	PREDICTED: similar to Thioredoxin domain containing protein 5
BS	50749933	PREDICTED: similar to Thioredoxin-dependent peroxide reductase
BS	50749993	PREDICTED: similar to Thioredoxin-like protein 2
BS	50756121	PREDICTED: similar to Thioredoxin-like protein KIAA1162 homolog
BS	50748348	PREDICTED: similar to Thrombospondin 1
BS	50759742	PREDICTED: similar to thrombospondin type 1 domain
BS	50740411	PREDICTED: similar to Thyroid adenoma associated
BS	50733499	PREDICTED: similar to Thyroid hormone receptor interactor 13
BS	50759760	PREDICTED: similar to Thyroid hormone receptor-associated protein
BS	50728302	PREDICTED: similar to TIP120 protein
BS	50751764	PREDICTED: similar to TNNI3 interacting kinase
BS	50745692	PREDICTED: similar to TNRC11
BS	50742511	PREDICTED: similar to Tomosyn
BS	50732850	PREDICTED: similar to topoisomerase (DNA) II binding protein
BS	50755615	PREDICTED: similar to topoisomerase (DNA) III alpha
BS	50745716	PREDICTED: similar to T-plastin
BS	50751217	PREDICTED: similar to Tpr
BS	50748788	PREDICTED: similar to Transcription factor IIIB 90 kDa subunit
BS	50762354	PREDICTED: similar to transducin-like enhancer protein 1
BS	50755457	PREDICTED: similar to transformation/transcription domain-associated protein
BS	50731616	PREDICTED: similar to transient receptor potential cation channel subfamily A member 1
BS	50754329	PREDICTED: similar to Transketolase
BS	50734058	PREDICTED: similar to Translocon-associated protein, alpha subunit
BS	50730617	PREDICTED: similar to Transmembrane 9 superfamily protein member 2
BS	50728268	PREDICTED: similar to transmembrane protein 5
BS	50748942	PREDICTED: similar to Tripartite motif protein 9

BS	50752054	PREDICTED: similar to tripartite motif-containing 42
BS	50728276	PREDICTED: similar to T-RNA exportin
BS	50758997	PREDICTED: similar to TRPC4-associated protein
BS	50729272	PREDICTED: similar to TU12B1-TY protein
BS	50731075	PREDICTED: similar to tudor domain containing 4
BS	50806838	PREDICTED: similar to tumor-related protein
BS	50760377	PREDICTED: similar to Turkey RAP1Ab
BS	50754654	PREDICTED: similar to type II zinc finger DNA binding transcription factor
BS	50780952	PREDICTED: similar to Tyrosine 3/tryptophan 5 -monooxygenase activation
BS	50757510	PREDICTED: similar to U4/U6 small nuclear ribonucleoprotein Prp4
BS	50794619	PREDICTED: similar to U5 snRNP-specific protein
BS	50754375	PREDICTED: similar to Ubiquinol--cytochrome c reductase
BS	50808539	PREDICTED: similar to Ubiquinol-cytochrome C reductase complex core protein
BS	50755204	PREDICTED: similar to Ubiquinol-cytochrome C reductase complex ubiquinone-binding protein QP-C
BS	50753749	PREDICTED: similar to ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1
BS	50737088	PREDICTED: similar to Ubiquitin carboxyl-terminal hydrolase 14
BS	50758374	PREDICTED: similar to ubiquitin specific protease 32
BS	50738247	PREDICTED: similar to ubiquitin specific protease 34
BS	50750133	PREDICTED: similar to ubiquitin specific protease 40
BS	50737355	PREDICTED: similar to UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase
BS	50750131	PREDICTED: similar to UDP-glucuronosyltransferase
BS	50757739	PREDICTED: similar to Unc-13 homolog D
BS	50758308	PREDICTED: similar to Unc-51 like kinase 2
BS	50756279	PREDICTED: similar to Unc-51-like kinase 1
BS	50760415	PREDICTED: similar to UNR protein
BS	50757269	PREDICTED: similar to uridine-cytidine kinase 1
BS	50742482	PREDICTED: similar to Utrophin (Dystrophin-related protein 1)
BS	50759973	PREDICTED: similar to Vacuolar protein sorting 11 (yeast homolog)
BS	50759419	PREDICTED: similar to vacuolar protein sorting 13D
BS	50753745	PREDICTED: similar to vacuolar protein sorting 35
BS	50762238	PREDICTED: similar to Valosin
BS	50761355	PREDICTED: similar to Very large G-protein coupled receptor 1
BS	50745322	PREDICTED: similar to Very large inducible GTPase-1
BS	50754295	PREDICTED: similar to Very-long-chain acyl-CoA dehydrogenase VLCAD
BS	50754175	PREDICTED: similar to vesicle-associated calmodulin-binding protein
BS	50731105	PREDICTED: similar to vitelline membrane outer layer protein I
BS	50755168	PREDICTED: similar to Voltage-dependent anion-selective channel protein
BS	50757859	PREDICTED: similar to Voltage-dependent calcium channel gamma-5 subunit
BS	50749771	PREDICTED: similar to VPS10 domain receptor protein SORCS 3
BS	50798488	PREDICTED: similar to WAS protein family, member 2
BS	50750413	PREDICTED: similar to WASP interacting protein
BS	50746601	PREDICTED: similar to WD repeat and FYVE domain containing 3

BS	50729971	PREDICTED: similar to WD repeat domain 9
BS	50798945	PREDICTED: similar to WD repeat membrane protein
BS	50729590	PREDICTED: similar to WD-repeat protein 3
BS	50750790	PREDICTED: similar to Wnt inhibitory factor 1
BS	50729006	PREDICTED: similar to Wnt-5b protein
BS	50747328	PREDICTED: similar to Wolf-Hirschhorn syndrome candidate 1 protein
BS	50729818	PREDICTED: similar to x 010 protein; myelodysplastic syndromes relative
BS	50756551	PREDICTED: similar to X-box binding protein 1
BS	50758438	PREDICTED: similar to XIAP associated factor-1
BS	50802075	PREDICTED: similar to XNop56 protein
BS	50744858	PREDICTED: similar to Zgc:55573
BS	50738598	PREDICTED: similar to Zgc:73160 protein
BS	50748504	PREDICTED: similar to Zgc:85681
BS	50794678	PREDICTED: similar to zinc finger protein 135
BS	50758410	PREDICTED: similar to Zinc finger protein 161
BS	50732081	PREDICTED: similar to zinc finger protein 27
BS	50752767	PREDICTED: similar to zinc finger protein 291
BS	50740602	PREDICTED: similar to zinc finger protein 318
BS	50738547	PREDICTED: similar to zinc finger protein 336
BS	50753958	PREDICTED: similar to Zinc finger protein 469
BS	50745286	PREDICTED: similar to Zinc finger protein 51
BS	50748672	PREDICTED: similar to zinc finger protein mRit1 beta
BS	50745772	PREDICTED: similar to zinc finger protein of the cerebellum 3
BS	50729686	PREDICTED: similar to zinc finger protein ZNF-U69274
BS	50748326	PREDICTED: similar to zinc finger, FYVE domain containing 26
BS	4100172	Progesterone receptor binding protein
BS	45383776	Proliferating cell nuclear antigen
BS	475902	Protein-tyrosine-phosphatase alpha
BS	7512234	Prox 1 protein 671
BS	29170485	Putative CD154 (CD40 ligand)
BS	45382651	Pyruvate kinase, muscle
BS	21314229	Quiescin/sulfhydryl oxidase
BS	1531769	Rab5C-like protein
BS	45384364	Rab-GDP dissociation inhibitor
BS	45382655	RAD54B protein
BS	6179570	Radixin
BS	46096634	RAN GTP-binding nuclear protein RAN (TC4)
BS	63765	Ras-like protein
BS	4884676	Receptor tyrosine kinase
BS	47087153	Receptor-type protein-tyrosine kinase
BS	32263637	Regulator of G protein signaling 3
BS	6677663	Retinoic acid induced 1
BS	1079438	Ribonucleoprotein
BS	1172808	RIBOSOMAL PROTEIN L10 60S (JUN-BINDING PROTEIN JIF-)
BS	44967945	Ribosomal protein L10a
BS	45384528	Ribosomal protein L13
BS	730527	RIBOSOMAL PROTEIN L13 60S (BREAST BASIC CONSERVED PROTEIN 1)
BS	12381873	Ribosomal protein L14
BS	1710491	RIBOSOMAL PROTEIN L15 60S (L10)

BS	44967989	Ribosomal protein L17
BS	44968046	Ribosomal protein L18
BS	44969305	Ribosomal protein L19
BS	1350701	Ribosomal protein L26 60S
BS	12804567	Ribosomal protein L27
BS	1350717	Ribosomal protein L30 60S
BS	45383588	Ribosomal protein L35
BS	441164	Ribosomal protein L37a
BS	29427968	Ribosomal protein L39 60S
BS	44968095	Ribosomal protein L4
BS	132989	RIBOSOMAL PROTEIN L5 60S
BS	63778	Ribosomal protein L7a
BS	1350778	RIBOSOMAL PROTEIN P0 60S ACIDIC
BS	13516490	Ribosomal protein S11
BS	4506685	Ribosomal protein S13 40S
BS	4506687	Ribosomal protein S15
BS	28136995	Ribosomal protein S17
BS	14916501	Ribosomal protein S24
BS	6093883	RIBOSOMAL PROTEIN S27A 40S
BS	46048780	Ribosomal protein S4
BS	6601470	Ribosomal protein S6
BS	44968182	Ribosomal protein S8
BS	19879570	RIM-binding protein 2
BS	5738249	RNA-binding protein HuA
BS	4468189	Sarcoendoplasmic reticulum calcium ATPase
BS	9789730	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2
BS	33112044	Shaker subfamily potassium channel Kv1.2 alpha
BS	47575883	sialyltransferase 9
BS	45383896	Sidekick-1
BS	49339399	Signal transducer and activator of transcription 3
BS	516701	similar to dbpB/YB-1 of mouse [M
BS	62122943	similar to heterogeneous nuclear ribonucleoprotein R
BS	57529355	similar to Protein c20orf178
BS	57529924	similar to Tetratricopeptide repeat protein 7 like-1
BS	57529406	similar to Vesicle-associated membrane protein-associated protein B
BS	1362732	Single stranded D box binding factor 2
BS	46195850	Single-strand telomeric DNA-binding protein
BS	5870119	Small nuclear ribonucleoprotein B'
BS	27883844	Small nuclear ribonucleoprotein E
BS	6226140	SMO Smoothened homolog (SMO)
BS	114372	Sodium/potassium-transporting ATPase
BS	114378	Sodium/potassium-transporting ATPase alpha-2 chain (Sodium pump 2)
BS	114380	Sodium/potassium-transporting ATPase alpha-3 chain (Sodium pump 3)
BS	461548	Sodium/potassium-transporting ATPase beta-3 chain
BS	10119977	Spalt 1
BS	267027	SRC8_CHICK Src substrate protein p85 (p80) (Cortactin)
BS	3851616	Succinate dehydrogenase Fp subunit
BS	3851612	Succinate dehydrogenase Ip subunit
BS	45382909	suppression of tumorigenicity 7
BS	6855513	Syndesmos
BS	46195820	Syntaxin 1-binding protein

BS	26000436	Talin
BS	17025728	Tax-responsive element binding protein 107
BS	135423	TBA5_CHICK TUBULIN ALPHA-5 CHAIN [MASS=49948]
BS	1711660	TBCA_CHICK Tubulin-specific chaperone A (Tubulin-folding cofactor A) (CFA) (TC)
BS	2707457	T-cell receptor gamma V1.3a
BS	8670805	T-complex protein 1 delta subunit
BS	45382363	Teneurin-1
BS	45384052	Thioesterase
BS	2739305	Thrombomucin
BS	30316401	THY1
BS	28883275	TIAR
BS	136056	TPIS Triosephosphate isomerase (TIM)
BS	20140635	Transferrin receptor protein 1 (TfR1)
BS	45382747	Transformer-2 beta
BS	50261635	transient receptor potential cation channel subfamily C member 1
BS	11360327	Translation initiation factor IF-2 homolog
BS	21435808	Translational eukaryotic initiation factor 4All
BS	53139480	transporter associated with antigen processing 1
BS	517091	Transrationally controlled tumor protein [Gallus Gallus]
BS	3395778	truncated histone macroH2A1
BS	7512241	TSC-22 protein homolog
BS	135393	TUBULIN ALPHA-1 CHAIN
BS	417855	TUBULIN BETA-2 CHAIN - CHICKen
BS	135464	TUBULIN BETA-3 - CHICKen
BS	4558482	Tyrosine kinase JAK1
BS	729886	Tyrosine-protein kinase CSK (C-SRC kinase)
BS	13235096	U2snRNP auxiliary factor small subunit
BS	71575	UBCHA tubulin alpha chain
BS	833622	Ubiquitin (34 AA)
BS	45382305	Ubiquitin specific protease 15; ubiquitous nuclear protein
BS	2558539	Ubiquitin-ribosomal protein fusion protein
BS	31442351	UNC5-like protein 3
BS	12961	Unnamed protein product
BS	12965	Unnamed protein product
BS	62890	Unnamed protein product
BS	63064	Unnamed protein product
BS	63370	unnamed protein product
BS	63516	Unnamed protein product
BS	63560	Unnamed protein product
BS	63705	Unnamed protein product
BS	63711	Unnamed protein product
BS	1334733	Unnamed protein product (immunoglobulin)
BS	63556	unnamed protein product (Lamin A)
BS	18643335	Untranslated region binding-protein
BS	13786879	V Chain V, Cryo-Em Structure Of The Heavy Meromyosin
BS	45382621	Vacuolar H(-)-transporting ATPase 116 kDa subunIT
BS	2281033	Vigilin
BS	138533	Vimentin
BS	50582493	Vitellogenin
BS	8133188	Voltage-dependent anion channel

BS	12230748	WDR1 WD-repeat protein 1 (Actin interacting protein 1) (AIP1)
BS	2970644	Xin
BS	18252632	Zipcode-binding protein
S	63608	(aa 1-635)
S	222800	14K beta-galactoside-binding lectin
S	790617	A1 of vacuolar H ⁺ ATPase subunit A
S	477212	A48411 Myf5 homolog - CHICKen (fragment)
S	2134310	A57484 cell division control protein CDC37 homolog splice form 1 - CHICKen
S	14194444	Acyl-CoA-binding protein (ACBP)
S	46371124	Adaptor-related protein complex 2, sigma 1
S	899264	ADP-ribosylation factor
S	6625782	adrenal hyoplasia protein DAX1
S	28195593	ALC
S	44969598	alcohol dehydrogenase 5
S	6093774	Alkaline phosphatase, tissue-nonspecific isozyme
S	17224490	Alpha (1,3) fucosyltransferase
S	222788	Alpha N-catenin
S	453197	Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase
S	211108	Alpha-tropomyosin
S	45384138	aminopeptidase H
S	1351941	Annexin A5
S	46195459	Annexin I
S	1168440	Antimicrobial peptide THP3
S	50755423	Apoptosis regulator (BAR)
S	8096950	arginine:glycine amidinotransferase
S	6045181	ataxia telangiectasia mutated (ATM)
S	11602810	Avenall
S	120045	Basic fibroblast growth factor receptor 1
S	212227	B-cadherin
S	7021378	beta-2 microglobulin [Gallus Gallus]
S	49036674	beta-defensin 11
S	45382083	Beta-tropomyosin
S	2134288	B-G antigen
S	21392371	BH3 interacting domain death agonist
S	45383498	Binding protein 1A
S	40644076	bone morphogenetic protein-10
S	288306	brain-derived neurotrophic factor
S	14701797	bZIP protein E4BP4
S	3511021	Cadherin 11
S	45790056	cadherin-related neuronal receptor c02
S	104553	Calcimedlin
S	2827763	Calgizzarin
S	236792	calgizzarin=Ca(2)-binding protein
S	45384366	Calmodulin
S	116485	Calpactin I light chain
S	63165	CAP-23 protein
S	45383704	Cas-Br-M (murine) ecotropic retroviral transforming sequence
S	16555407	Caspase 8
S	2134308	Cathepsin B
S	461696	Cathepsin D

S	28950399	CD30 protein
S	45505291	CD4
S	5002373	CD44-like protein
S	37928747	CD47 glycoprotein B
S	37928752	CD47 glycoprotein C
S	18146870	CFTII
S	45382627	Chemokine K203
S	2781043	Chicken Citrate Synthase Complex With Nitromethylde-Coa And Malate
S	5917755	chromodomain helicase DNA binding protein 1
S	303533	c-kit protein
S	406319	claustrin
S	45384252	CNP2
S	46048835	cone cGMP phosphodiesterase a'-subunit
S	45382711	Cone-type transducin alpha subunit
S	61102730	connexin 39
S	62635476	core-binding factor beta
S	45384152	crescent
S	19772572	Cryptochrome 2
S	28373642	Crystal Structure Of The Chicken Actin Trimer Complexed With Human
S	1706178	CTCF_CHICK Transcriptional repressor CTCF (CCCTC-binding
S	6002633	cTwist
S	45383698	Cyclin D2
S	45384384	cytidine deaminase
S	211713	cytochrome P450 1A2
S	6573492	D Chain D, Crystal Structure Of CHICKen Brain-Type Creatine Kinase At 1.41 Angs
S	62888	Decorin
S	118453	Desmin
S	2959450	Desmin
S	19879655	Disintegrin metalloprotease ADAM10
S	86247	DM-GRASP (CD166)
S	12060487	DN p63 alpha
S	2494178	DNA polymerase gamma subunit 1
S	1346187	Dolichyl-diphosphooligosaccharide-protein glycotransferase
S	45383484	doublecortex; lissencephaly, X-linked (doublecortin)
S	38194196	double-stranded RNA-activated protein kinase
S	5032161	Elongin C; transcription elongation factor B (SIII)
S	50845471	Endoglin
S	46048879	endothelial PAS domain protein 1
S	125337	Ephrin type-A receptor 3
S	47604934	epidermal growth factor
S	115417	Epithelial-cadherin (Cadherin-1)
S	3869356	ets domain protein
S	8886483	EURL
S	115597	F-actin capping protein beta subunit s 1 and 2
S	2369861	Ferritin H chain
S	25005067	Ferritoid
S	104660	Fibronectin receptor alpha chain
S	462441	Focal adhesion kinase 1 (FADK 1) (PP125FAK)
S	3023381	Forkhead box protein G1B (Forkhead-related protein FKHL1)

S	15636898	Formin binding protein 11-related protein
S	454409	G protein
S	6492377	G/T mismatch DNA glycosylase
S	6015090	Gamma enolase (2-phospho-D-glycerate hydro-lyase) (Neural enolase)
S	34921412	Gelsolin (Actin-depolymerizing factor) (ADF) (Brevin)
S	30173006	GFR4_CHICK GDNF family receptor alpha 4 (GFR-alpha 4) (GFRalpha4)
S	1389959	GluR1 flip (AMPA receptor)
S	11612162	Glutamic acid decarboxylase isoform 65
S	2330003	glutamine rich protein
S	46048674	Gnot1 homeodomain protein
S	34787363	gonadotropin-inhibitory hormone
S	22255339	groucho-related gene 4
S	47604940	growth hormone receptor
S	15281845	GTP binding protein Rab1a
S	5650776	GTPase activating protein Rap1-GAP
S	4218983	GTP-binding protein
S	45382499	GTP-binding protein
S	22651974	Guanine nucleotide-binding protein G11 alpha-subunit
S	63511	Heat shock protein 47
S	45384398	Heme oxygenase
S	38141767	heparan sulfate 6-O-sulfotransferase
S	46048873	heparin-binding EGF-like growth factor
S	546484	heterogeneous nuclear ribonucleoprotein U, MARs binding protein p120, hnRN
S	3023950	HIRA_CHICK HIRA protein (TUP1 like enhancer of split pro
S	14194482	Homeobox protein BarH-like 1
S	46048823	homeodomain protein
S	222809	homeodomain protein Hox-D13
S	483162	Homeotic protein engrailed 1
S	21541997	Hsp90 co-chaperone Cdc37
S	547653	Hydroxymethylglutaryl-CoA lyase (HMG-CoA lyase)
S	53126280	Hypothetical protein
S	53126330	Hypothetical protein
S	53126513	Hypothetical protein
S	53126753	Hypothetical protein
S	53126789	Hypothetical protein
S	53126991	Hypothetical protein
S	53127284	Hypothetical protein
S	53127464	Hypothetical protein
S	53127674	Hypothetical protein
S	53127724	Hypothetical protein
S	53127806	Hypothetical protein
S	53127836	Hypothetical protein
S	53128199	Hypothetical protein
S	53128235	Hypothetical protein
S	53130336	Hypothetical protein
S	53130394	Hypothetical protein
S	53130428	Hypothetical protein
S	53130530	Hypothetical protein
S	53130588	Hypothetical protein

S	53130688	Hypothetical protein
S	53130764	Hypothetical protein
S	53130794	Hypothetical protein
S	53131013	Hypothetical protein
S	53131842	Hypothetical protein
S	53132162	Hypothetical protein
S	53133476	Hypothetical protein
S	53133682	Hypothetical protein
S	53134506	Hypothetical protein
S	53134564	Hypothetical protein
S	53135140	Hypothetical protein
S	53136420	Hypothetical protein
S	53136442	Hypothetical protein
S	53136606	Hypothetical protein
S	53136612	Hypothetical protein
S	53136760	Hypothetical protein
S	53136822	Hypothetical protein
S	53136826	Hypothetical protein
S	57528906	hypothetical protein LOC427293
S	2134392	I50405 proto-fps protein - CHICKen (fragment)
S	3913920	IKAR_CHICK DNA-binding protein Ikarosgi
S	1741923	Immunoglobulin heavy chain
S	1536800	immunoglobulin lambda chain variable region
S	63522	Inhibitor of actin polymerization
S	2497240	Inhibitor of apoptosis protein (IAP) (BIRC2)
S	256713	insertin=tensin homolog
S	2134357	Insulin receptor substrate 1 - CHICKen
S	63542	Integrin alpha 6 subunit
S	63544	Integrin alpha 8 subunit
S	45384200	Integrin Alpha1
S	124958	Integrin alpha-V (Vitronectin receptor alpha subunit)
S	124962	Integrin beta-1 (CSAT antigen) (JG22 antigen)
S	55771076	interleukin 11 receptor alpha chain
S	32479617	interleukin 17
S	7021384	interleukin-2
S	47606841	invariant chain
S	45382807	IPR328-like protein
S	45384524	Janus tyrosine kinase (JAK)
S	45382209	KAL
S	14165136	Laminin gamma 1
S	104757	LEP100 protein
S	45551414	liver fatty acid binding protein
S	33414148	macrophage migration inhibitory factor
S	12034955	Manganese-containing superoxide dismutase
S	45384534	matrix metalloproteinase
S	4914481	MEF2A protein
S	11067755	MHC class I
S	9789325	MHC class I antigen
S	18652061	MHC class I antigen
S	18652067	MHC class I antigen
S	45593615	MHC class I antigen

S	50199418	MHC class I antigen
S	54606653	MHC class I antigen
S	10436057	MHC class I antigen B-F heavy chain
S	2731748	MHC class I glycoprotein
S	2731758	MHC class I glycoprotein
S	2731754	MHC class I glycoprotein [MASS=3939
S	9789333	MHC class II antigen
S	55740347	MHC class II antigen
S	9789337	MHC class II antigen [Gallus Gallus]
S	2459655	MHC class II beta 1 domain
S	2459657	MHC class II beta 1 domain
S	4405781	MHC class II B-L beta
S	10440957	MHC class II B-L beta
S	10440959	MHC class II B-L beta
S	48675897	MHC class II-associated invariant chain li [Gallus Gallus]
S	400257	MIF_CHICK Macrophage migration inhibitory factor (MIF) (Phenylpyruvate tautomer
S	15419940	MnSOD
S	1552268	Mosaic protein LR11 (Sortilin-related receptor)
S	1483184	Mr 93 K protein
S	45384304	MSSP-1
S	8489815	Multidrug resistance protein 1
S	1351855	Muscarinic acetylcholine receptor M3
S	47087171	Musculoskeletal, embryonic nuclear protein 1
S	313210	Mx
S	3980058	Myosin heavy chain
S	254433	Myosin heavy chain rod region, MHC {C-terminal}
S	455647	Myosin heavy chain subfragment-2, MHC S-2
S	1346637	Myosin heavy chain, fast skeletal muscle, embryonic
S	3915778	Myosin heavy chain, gizzard smooth muscle
S	476389	Myosin heavy chain-B, neuronal
S	1346552	Myosin light chain alkali, non-muscle (Fibroblast)
S	2842685	Myotrophin (V-1 protein) (Granule cell differentiation protein)
S	8132399	Na ⁺ dependent glutamate/aspartate transporter
S	462740	Neuronal cell adhesion molecule (Nr-CAM)
S	871037	Nicotinic acetylcholine receptor alpha4
S	6065953	Nicotinic acetylcholine receptor beta-4
S	45384260	Nucleoside diphosphate kinase
S	4868360	orphan receptor TR4
S	4868445	osteoblast regulatory factor 3A
S	4868447	osteoblast translation factor 3F
S	15027012	Ovocalyxin-32
S	45382809	Ovomucin alpha-subunit
S	27544881	p15INK4b tumor suppressor
S	2217964	P52
S	12060548	p95-APP2
S	388438	paired box Pax-3 gene product
S	19882261	paranemin
S	4589842	pepsinogen C
S	50261637	Periostin
S	29293679	phosphodiesterase 6 beta

S	15777197	photoreceptor-specific nuclear receptor
S	14165140	Plasma membrane protein 1B3
S	13194728	pol-like protein ENS-3
S	47604928	POP1C protein
S	10801172	POP1D protein
S	4204227	Potassium channel Shaker beta 1 subunit cKvbeta1.1
S	50757843	PREDICTED: hypothetical protein XP_415673
S	50729696	PREDICTED: hypothetical protein XP_416620
S	50738301	PREDICTED: hypothetical protein XP_419285
S	50747507	PREDICTED: hypothetical protein XP_426368
S	50752463	PREDICTED: hypothetical protein XP_426711
S	50776108	PREDICTED: hypothetical protein XP_427302
S	50761941	PREDICTED: hypothetical protein XP_429249
S	50753735	PREDICTED: hypothetical protein XP_429348
S	50754101	PREDICTED: hypothetical protein XP_429365
S	50754822	PREDICTED: hypothetical protein XP_429401
S	50731395	PREDICTED: hypothetical protein XP_429622
S	50758805	PREDICTED: hypothetical protein XP_429642
S	50758971	PREDICTED: hypothetical protein XP_429649
S	50732253	PREDICTED: hypothetical protein XP_429764
S	50740698	PREDICTED: hypothetical protein XP_429857
S	50740758	PREDICTED: hypothetical protein XP_429860
S	50744920	PREDICTED: hypothetical protein XP_429895
S	50747374	PREDICTED: hypothetical protein XP_430002
S	50771086	PREDICTED: hypothetical protein XP_430238
S	50800789	PREDICTED: hypothetical protein XP_430406
S	50809395	PREDICTED: hypothetical protein XP_430470
S	50761724	PREDICTED: hypothetical protein XP_430492
S	50762404	PREDICTED: hypothetical protein XP_430514
S	50750147	PREDICTED: alpha-1 type VI collagen
S	50737172	PREDICTED: cadherin 2, type 1, N-cadherin
S	50752779	PREDICTED: cholinergic receptor, nicotinic, alpha polypeptide 5
S	50754736	PREDICTED: GABA-A receptor gamma-2 subunit
S	50759413	PREDICTED: glucose transporter protein
S	50810872	PREDICTED: hypothetical protein
S	50753190	PREDICTED: hypothetical protein XP_413894
S	50755439	PREDICTED: hypothetical protein XP_414743
S	50756563	PREDICTED: hypothetical protein XP_415215
S	50757524	PREDICTED: hypothetical protein XP_415550
S	50728117	PREDICTED: hypothetical protein XP_415991
S	50728694	PREDICTED: hypothetical protein XP_416240
S	50729830	PREDICTED: hypothetical protein XP_416670
S	50732163	PREDICTED: hypothetical protein XP_418509
S	50736305	PREDICTED: hypothetical protein XP_419112
S	50748051	PREDICTED: hypothetical protein XP_421086
S	50749136	PREDICTED: hypothetical protein XP_421500
S	50751484	PREDICTED: hypothetical protein XP_422421
S	50795050	PREDICTED: hypothetical protein XP_423742
S	50806586	PREDICTED: hypothetical protein XP_424453
S	50811304	PREDICTED: hypothetical protein XP_424690
S	50785725	PREDICTED: hypothetical protein XP_427681

S	50796140	PREDICTED: hypothetical protein XP_428165
S	50804212	PREDICTED: hypothetical protein XP_428704
S	50761999	PREDICTED: hypothetical protein XP_429180
S	50753268	PREDICTED: hypothetical protein XP_429341
S	50753437	PREDICTED: hypothetical protein XP_429344
S	50753770	PREDICTED: hypothetical protein XP_429350
S	50754559	PREDICTED: hypothetical protein XP_429387
S	50754989	PREDICTED: hypothetical protein XP_429409
S	50755894	PREDICTED: hypothetical protein XP_429445
S	50757143	PREDICTED: hypothetical protein XP_429473
S	50757729	PREDICTED: hypothetical protein XP_429504
S	50757905	PREDICTED: hypothetical protein XP_429514
S	50728094	PREDICTED: hypothetical protein XP_429528
S	50728190	PREDICTED: hypothetical protein XP_429529
S	50728866	PREDICTED: hypothetical protein XP_429547
S	50729662	PREDICTED: hypothetical protein XP_429574
S	50731189	PREDICTED: hypothetical protein XP_429619
S	50758629	PREDICTED: hypothetical protein XP_429634
S	50758649	PREDICTED: hypothetical protein XP_429635
S	50759277	PREDICTED: hypothetical protein XP_429662
S	50760009	PREDICTED: hypothetical protein XP_429692
S	50760323	PREDICTED: hypothetical protein XP_429712
S	50760467	PREDICTED: hypothetical protein XP_429718
S	50731781	PREDICTED: hypothetical protein XP_429747
S	50740547	PREDICTED: hypothetical protein XP_429853
S	50743045	PREDICTED: hypothetical protein XP_429872
S	50744784	PREDICTED: hypothetical protein XP_429892
S	50745005	PREDICTED: hypothetical protein XP_429898
S	50745820	PREDICTED: hypothetical protein XP_429936
S	50748924	PREDICTED: hypothetical protein XP_430073
S	50749366	PREDICTED: hypothetical protein XP_430089
S	50749985	PREDICTED: hypothetical protein XP_430114
S	50750270	PREDICTED: hypothetical protein XP_430124
S	50751966	PREDICTED: hypothetical protein XP_430184
S	50752548	PREDICTED: hypothetical protein XP_430208
S	50780956	PREDICTED: hypothetical protein XP_430278
S	50781182	PREDICTED: hypothetical protein XP_430281
S	50795372	PREDICTED: hypothetical protein XP_430358
S	50797495	PREDICTED: hypothetical protein XP_430377
S	50797927	PREDICTED: hypothetical protein XP_430380
S	50798982	PREDICTED: hypothetical protein XP_430393
S	50799210	PREDICTED: hypothetical protein XP_430395
S	50800600	PREDICTED: hypothetical protein XP_430404
S	50808499	PREDICTED: hypothetical protein XP_430466
S	50747228	PREDICTED: msh homeo box homolog 1
S	50776820	PREDICTED: similar to [Segment 1 of 2] Neuroblast differentiation asso
S	50786460	PREDICTED: similar to [Segment 1 of 2] Neuroblast differentiation asso
S	50801692	PREDICTED: similar to [Segment 1 of 2] Neuroblast differentiation asso
S	50756190	PREDICTED: similar to 1200003M09Rik protein
S	50747628	PREDICTED: similar to 1200015F23Rik protein
S	50750227	PREDICTED: similar to 130kDa-Ins(1,4,5)P3 binding protein

S	50758651	PREDICTED: similar to 1-phosphatidylinositol-4,5-bisphosphate phosphod (gamma2)
S	50730410	PREDICTED: similar to 2010300C02Rik protein
S	50756815	PREDICTED: similar to 2210403N09Rik protein
S	50748105	PREDICTED: similar to 26S protease regulatory subunit 6A
S	50747598	PREDICTED: similar to 26S proteasome non-ATPase regulatory subunit 13
S	50757165	PREDICTED: similar to 26S proteasome non-ATPase regulatory subunit 5
S	50754041	PREDICTED: similar to 26S proteasome non-ATPase regulatory subunit 7
S	50799468	PREDICTED: similar to 2-oxoglutarate dehydrogenase E1 component
S	50772074	PREDICTED: similar to 3,2-trans-enoyl-CoA isomerase
S	50802189	PREDICTED: similar to 3010027A04Rik protein
S	50761120	PREDICTED: similar to 38 kDa FK-506 binding protein homolog (FKBPR38)
S	50785859	PREDICTED: similar to 3-hydroxyacyl-CoA dehydrogenase type II
S	50761547	PREDICTED: similar to 3-phosphatidylinositol kinase
S	50752448	PREDICTED: similar to 4833424P18Rik protein
S	50753589	PREDICTED: similar to 5430401O09Rik protein
S	50759872	PREDICTED: similar to 5-nucleotidase
S	50761525	PREDICTED: similar to a disintegrin and metalloprotease with thrombospondin motifs-6
S	50750312	PREDICTED: similar to a disintegrin and metalloproteinase domain 23 pr
S	50747302	PREDICTED: similar to A20-binding inhibitor of NF-kappaB activation 2
S	50742722	PREDICTED: similar to Abelson helper integration site
S	50756303	PREDICTED: similar to acetoacetyl-CoA synthetase
S	50741752	PREDICTED: similar to acetyl-CoA acetyltransferase 2
S	50754451	PREDICTED: similar to actin related protein 2/3 complex, subunit 4
S	50759137	PREDICTED: similar to acyl-CoA hydrolase
S	50749940	PREDICTED: similar to Acyl-Coenzyme A dehydrogenase
S	50745013	PREDICTED: similar to ADAM 17
S	50752947	PREDICTED: similar to Adapter-related protein complex 4 epsilon 1 subu
S	50745162	PREDICTED: similar to additional sex combs like 2; polycomb group
S	50758593	PREDICTED: similar to adenine homocysteine hydrolase
S	50799368	PREDICTED: similar to adenomatosis polyposis coli down-regulated 1
S	50756803	PREDICTED: similar to Adenosine A2a receptor
S	50732285	PREDICTED: similar to adenosine deaminase, RNA-specific, B2; RNA dependent
S	50731966	PREDICTED: similar to adenylate cyclase 8; Adenylyl cyclase-8, brain
S	50751424	PREDICTED: similar to adenylate kinase 5 isoform 1; adenylate kinase 6
S	50749046	PREDICTED: similar to adenylate kinase 7
S	50740830	PREDICTED: similar to adenylosuccinate synthetase 2, non muscle
S	50761386	PREDICTED: similar to Adipocyte-derived leucine aminopeptidase
S	50760067	PREDICTED: similar to adipocyte-specific adhesion molecule; CAR-like
S	50758783	PREDICTED: similar to ADP-ribosylation factor 1 GTPase activating protein
S	50755737	PREDICTED: similar to ADP-ribosylation factor binding protein GGA2

S	50730887	PREDICTED: similar to ADP-ribosylation factor-like 11; ADP-ribosylation
S	50781297	PREDICTED: similar to AHNAK-related protein
S	50757308	PREDICTED: similar to AI448887 protein
S	50734917	PREDICTED: similar to AKAP-associated sperm protein
S	50758418	PREDICTED: similar to A-kinase anchor protein 1
S	50730819	PREDICTED: similar to A-kinase anchor protein 11
S	50753126	PREDICTED: similar to A-kinase anchor protein 13
S	50759380	PREDICTED: similar to aldehyde dehydrogenase 4 family, member A1
S	50747533	PREDICTED: similar to Aldehyde dehydrogenase 7
S	50758310	PREDICTED: similar to Aldh3a2 protein
S	50729042	PREDICTED: similar to aldose reductase
S	50750397	PREDICTED: similar to Alkyldihydroxyacetonephosphate synthase
S	50760091	PREDICTED: similar to ALL-1 protein
S	50751873	PREDICTED: similar to alpha isoform of regulatory subunit B, protein
S	50740332	PREDICTED: similar to alpha isoform of regulatory subunit B56, protein
S	50753093	PREDICTED: similar to alpha/beta hydrolase-2 fold protein
S	50754810	PREDICTED: similar to Alpha-1 catenin (Cadherin-associated protein)
S	50749080	PREDICTED: similar to Alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylgl
S	50749921	PREDICTED: similar to alpha-2-adrenergic receptor
S	50736168	PREDICTED: similar to alpha2-catulin
S	50747898	PREDICTED: similar to alpha-adaptin C
S	50755950	PREDICTED: similar to alpha-globin
S	50761900	PREDICTED: similar to Alpha-L-iduronidase
S	50746244	PREDICTED: similar to amiloride-sensitive cation channel 5, intestinal
S	50800509	PREDICTED: similar to amino acid feature: cytoplasmic domain
S	50728140	PREDICTED: similar to aminoadipate-semialdehyde synthase
S	50761260	PREDICTED: similar to Aminopeptidase B (Ap-B) (Arginyl aminopeptidase)
S	50758933	PREDICTED: similar to aminopeptidase-like 1
S	50748726	PREDICTED: similar to amnionless
S	50746845	PREDICTED: similar to amphiregulin long form precursor
S	50758609	PREDICTED: similar to amyloid beta (A4) precursor protein-binding, family A, member 1 binding protein
S	50752841	PREDICTED: similar to amyloid beta (A4) precursor protein-binding, family A, member 2
S	50747047	PREDICTED: similar to amyloid beta (A4) precursor protein-binding, family B, member 2
S	50731444	PREDICTED: similar to Amyloid beta A4 precursor protein-binding family B member 1
S	50795620	PREDICTED: similar to Amyotrophic lateral sclerosis 2 chromosome region candidate gene protein 19
S	50752146	PREDICTED: similar to angiomin like 2
S	50730237	PREDICTED: similar to aniotensin-converting enzyme-related carboxypep
S	50750539	PREDICTED: similar to anion exchanger 3 brain
S	50746759	PREDICTED: similar to Ankyrin 2 (Brain ankyrin)
S	50760441	PREDICTED: similar to Ankyrin repeat and SAM domain containing protein
S	50792029	PREDICTED: similar to ankyrin repeat domain 12
S	50732740	PREDICTED: similar to ankyrin repeat domain 28

S	50739029	PREDICTED: similar to ankyrin repeat domain 9
S	50762073	PREDICTED: similar to ankyrin repeat domain protein 15; kidney ankyrin
S	50746677	PREDICTED: similar to ankyrin repeat domain protein 17
S	50756133	PREDICTED: similar to Ankyrin repeat domain protein 5
S	50749180	PREDICTED: similar to Annexin A11
S	50749404	PREDICTED: similar to Annexin A7 (Annexin VII) (Synexin)
S	50806384	PREDICTED: similar to Antiquitin
S	50758126	PREDICTED: similar to Ap2b1 protein
S	50751899	PREDICTED: similar to Apg16L alpha
S	50745364	PREDICTED: similar to apoptosis-associated tyrosine kinase
S	50749348	PREDICTED: similar to apoptosis-inducing factor (AIF)-like
S	50753765	PREDICTED: similar to apoptosis-inducing protein D
S	50806742	PREDICTED: similar to Aqp3 protein
S	50806785	PREDICTED: similar to Aquaporin 5
S	50746335	PREDICTED: similar to Arfaptin 1
S	50748318	PREDICTED: similar to Arginase II
S	50757317	PREDICTED: similar to Argininosuccinate synthase
S	50759169	PREDICTED: similar to Arhgef16 protein
S	50752677	PREDICTED: similar to ariadne ubiquitin-conjugating enzyme E2 binding
S	50749725	PREDICTED: similar to ARP1 actin-related protein 1 homolog A
S	50748868	PREDICTED: similar to ARP10 actin-related protein 10 homolog
S	50750141	PREDICTED: similar to Aryl Hydrocarbon Receptor 2
S	50736188	PREDICTED: similar to aryl hydrocarbon receptor repressor
S	50746076	PREDICTED: similar to Aryl-hydrocarbon interacting protein-like 1
S	50806240	PREDICTED: similar to ASH2-like protein
S	50750782	PREDICTED: similar to ASPARTYL-TRNA SYNTHETASE
S	50728618	PREDICTED: similar to ATF7IP protein
S	50760837	PREDICTED: similar to ATP citrate lyase
S	50747019	PREDICTED: similar to ATPase, Class V, type 10D
S	50757881	PREDICTED: similar to ATP-binding cassette, sub-family A, member 10; A
S	50730645	PREDICTED: similar to ATP-binding cassette, sub-family C, member 4
S	50800801	PREDICTED: similar to ATP-dependent RNA helicase DDX19
S	50758402	PREDICTED: similar to ATP-dependent, RNA helicase
S	50730863	PREDICTED: similar to ATP-specific succinyl-CoA synthetase beta subunit
S	50747464	PREDICTED: similar to Attractin precursor (Mahogany homolog) (DPPT-L)
S	50749835	PREDICTED: similar to attractin-like 1
S	50761842	PREDICTED: similar to Auh protein
S	50751887	PREDICTED: similar to Autoimmune regulator
S	50729624	PREDICTED: similar to autophagy Apg3p/Aut1p-like
S	50762250	PREDICTED: similar to avidin-related protein 3
S	50746897	PREDICTED: similar to AVIEF
S	50808529	PREDICTED: similar to axonemal heavy chain dynein type 3
S	50732377	PREDICTED: similar to axoneme central apparatus protein
S	50760293	PREDICTED: similar to axonin-1
S	50750660	PREDICTED: similar to Band 4.1-like protein 5
S	50752675	PREDICTED: similar to Bardet-Biedl syndrome 4

S	50747314	PREDICTED: similar to basic helix-loop-helix transcription factor XMad
S	50750258	PREDICTED: similar to basic leucine zipper and W2 domains 1
S	50748408	PREDICTED: similar to basic-helix-loop-helix-PAS protein
S	50748778	PREDICTED: similar to BC022687 protein
S	50758749	PREDICTED: similar to BC040823 protein
S	50728005	PREDICTED: similar to B-cell receptor-associated protein 29
S	50753946	PREDICTED: similar to BDG-29 protein
S	50759201	PREDICTED: similar to beta 1 subunit of heterotrimeric GTP-binding
S	50746345	PREDICTED: similar to beta-1,4-N-acetylgalactosaminyltransferase
S	50751688	PREDICTED: similar to beta-amyloid binding protein
S	50758478	PREDICTED: similar to beta-glucuronidase
S	50731452	PREDICTED: similar to beta-H globin
S	50807536	PREDICTED: similar to betaIV-spectrin sigma1
S	50746479	PREDICTED: similar to BH3-only member B protein
S	50749114	PREDICTED: similar to bicaudal-C
S	50746429	PREDICTED: similar to Bifunctional 3-phosphoadenosine 5-phosphosulfate
S	50753952	PREDICTED: similar to blood-brain barrier large neutral amino acid
S	50752542	PREDICTED: similar to BM-011 protein
S	50753347	PREDICTED: similar to bM332P19.2 (novel 7 transmembrane receptor (rhodopsin family))
S	50794056	PREDICTED: similar to brain link protein-1
S	50756091	PREDICTED: similar to brain-selective and closely mapped on the counter allele of CMAP
S	50759812	PREDICTED: similar to Brain-specific angiogenesis inhibitor 2
S	50747640	PREDICTED: similar to bromo adjacent homology domain containing 1
S	50761294	PREDICTED: similar to Bromodomain and PHD finger-containing protein 3
S	50753703	PREDICTED: similar to bromodomain containing 7
S	50754923	PREDICTED: similar to bromodomain containing 8
S	50760977	PREDICTED: similar to BTB (POZ) domain containing 2
S	50744692	PREDICTED: similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2
S	50752967	PREDICTED: similar to bumetanide-sensitive Na-K-Cl cotransport protein
S	50756869	PREDICTED: similar to butyrophilin 1, B locus
S	50806452	PREDICTED: similar to butyrophilin, subfamily 2, member A1
S	50753821	PREDICTED: similar to C19orf13 protein
S	50728980	PREDICTED: similar to C1q domain containing 1
S	50755829	PREDICTED: similar to C1qtnf1 protein
S	50730580	PREDICTED: similar to C2orf26 protein
S	50746180	PREDICTED: similar to C-4 methyl sterol oxidase
S	50755339	PREDICTED: similar to c407A10.1 (GPI1 (N-acetylglucosaminyl transferase component))
S	50740521	PREDICTED: similar to C6orf129 protein
S	50736314	PREDICTED: similar to cadherin 19, type 2 preproprotein
S	50731708	PREDICTED: similar to Cadherin-17
S	50734592	PREDICTED: similar to Cadherin-9
S	50759920	PREDICTED: similar to Calcipressin 3 (Down syndrome candidate region 1)
S	50756665	PREDICTED: similar to calcium binding protein 1

S	50754139	PREDICTED: similar to calcium channel, voltage-dependent, alpha 2/delta 2 subunit
S	50746230	PREDICTED: similar to Calmegin
S	50748207	PREDICTED: similar to calpain:SUBUNIT=large
S	50731472	PREDICTED: similar to calpain-like protease
S	50751284	PREDICTED: similar to calponin 3
S	50751398	PREDICTED: similar to cAMP-dependent protein kinase catalytic subunit
S	50757877	PREDICTED: similar to cAMP-dependent protein kinase type I-alpha
S	50742719	PREDICTED: similar to cAMP-specific 3,5-cyclic phosphodiesterase 7B
S	50745417	PREDICTED: similar to Canalicular multispecific organic anion transporter
S	50750165	PREDICTED: similar to carbamoyl-phosphate synthetase III
S	50753180	PREDICTED: similar to carbohydrate (chondroitin) synthase 1
S	50752186	PREDICTED: similar to carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2
S	50729953	PREDICTED: similar to Carbonyl reductase
S	50728316	PREDICTED: similar to Carboxypeptidase M
S	50761212	PREDICTED: similar to cardiac tropomyosin
S	50756365	PREDICTED: similar to carnitine deficiency-associated gene expressed
S	50760196	PREDICTED: similar to carotene-9,10-monooxygenase
S	50728454	PREDICTED: similar to Cartilage paired-class homeoprotein 1
S	50729698	PREDICTED: similar to Cas-Br-M (murine) ectropic retroviral transforming sequence b
S	50757572	PREDICTED: similar to CASK-interacting protein CIP98
S	50732814	PREDICTED: similar to Caspase recruitment domain protein 4
S	50729342	PREDICTED: similar to Cation-dependent mannose-6-phosphate receptor
S	50748006	PREDICTED: similar to Catns protein
S	50801336	PREDICTED: similar to CBF1 interacting corepressor
S	50758579	PREDICTED: similar to CBP3
S	50758470	PREDICTED: similar to CCAAT displacement protein CDP
S	50728332	PREDICTED: similar to CCR4-NOT transcription complex subunit 2
S	50728063	PREDICTED: similar to CD36
S	50748021	PREDICTED: similar to CD59 protein
S	50747870	PREDICTED: similar to CD81
S	50738604	PREDICTED: similar to CDNA sequence BC011248
S	50745423	PREDICTED: similar to CDNA sequence BC018371
S	50745236	PREDICTED: similar to CDNA sequence BC024502
S	50732732	PREDICTED: similar to CDNA sequence BC052360
S	50759989	PREDICTED: similar to CDO
S	50754590	PREDICTED: similar to cell adhesion molecule with homology to L1CAM
S	50750123	PREDICTED: similar to centaurin, gamma 2
S	50731572	PREDICTED: similar to centrosome spindle pole associated protein
S	50750369	PREDICTED: similar to ceramide kinase-like
S	50754596	PREDICTED: similar to cereblon; protein x 0001
S	50757446	PREDICTED: similar to cerebral endothelial cell adhesion molecule 1
S	50748366	PREDICTED: similar to CG1578-PA
S	50732008	PREDICTED: similar to CG16896-PA

S	50729304	PREDICTED: similar to CG17033-PA
S	50729832	PREDICTED: similar to CG3830-PA
S	50729182	PREDICTED: similar to CG9646-PA
S	50754231	PREDICTED: similar to CG9886-like
S	50758659	PREDICTED: similar to CGI-06 protein
S	50731684	PREDICTED: similar to CGI-90 protein
S	50753847	PREDICTED: similar to chemokine-like factor super family 4
S	50728160	PREDICTED: similar to chloride channel
S	50746198	PREDICTED: similar to chloride channel
S	50745842	PREDICTED: similar to chloride channel CLC-5
S	50737577	PREDICTED: similar to Chloride channel protein 6 (CLC-6)
S	50749492	PREDICTED: similar to cholesterol 25-hydroxylase
S	50752297	PREDICTED: similar to Cholinephosphate cytidyltransferase A
S	50731373	PREDICTED: similar to chordin-related protein 2 variant I
S	50747529	PREDICTED: similar to chromosome 11 open reading frame 9
S	50731049	PREDICTED: similar to chromosome 13 open reading frame 3
S	50748590	PREDICTED: similar to chromosome 14 open reading frame 102
S	50748516	PREDICTED: similar to chromosome 14 open reading frame 118
S	50748600	PREDICTED: similar to chromosome 14 open reading frame 160
S	50748231	PREDICTED: similar to chromosome 14 open reading frame 43
S	50736311	PREDICTED: similar to chromosome 18 open reading frame 4
S	50758613	PREDICTED: similar to chromosome 20 open reading frame 100
S	50758707	PREDICTED: similar to chromosome 20 open reading frame 111
S	50755170	PREDICTED: similar to chromosome 5 open reading frame 15
S	50755964	PREDICTED: similar to chromosome 7 open reading frame 26
S	50732684	PREDICTED: similar to chromosome 7 open reading frame 30
S	50757494	PREDICTED: similar to chromosome 9 open reading frame 112
S	50761757	PREDICTED: similar to chromosome 9 open reading frame 93
S	50782507	PREDICTED: similar to cingulin
S	50747984	PREDICTED: similar to class I INCENP protein
S	50754937	PREDICTED: similar to clathrin, light polypeptide
S	50732461	PREDICTED: similar to Claudin-12
S	50758969	PREDICTED: similar to cleavage stimulation factor subunit 1
S	50786294	PREDICTED: similar to CMIP protein
S	50731990	PREDICTED: similar to cochlear otoferlin
S	50731773	PREDICTED: similar to Cohen syndrome 1 protein
S	50737082	PREDICTED: similar to collectin sub-family member 12
S	50761606	PREDICTED: similar to complement component 6
S	50751020	PREDICTED: similar to complement component factor h
S	50730925	PREDICTED: similar to Conserved oligomeric Golgi complex component 6
S	50760877	PREDICTED: similar to Contactin associated protein 1
S	50731686	PREDICTED: similar to Copine III
S	50752893	PREDICTED: similar to core 2 beta-1,6-N-acetylglucosaminyltransferase
S	50761677	PREDICTED: similar to Corticotropin-releasing factor binding protein
S	50730414	PREDICTED: similar to cp431
S	50749889	PREDICTED: similar to CRP-ductin-alpha
S	50757123	PREDICTED: similar to crumbs homolog 1
S	50744878	PREDICTED: similar to CUB and Sushi multiple domains 1
S	50731858	PREDICTED: similar to CUB and Sushi multiple domains 3

S	50749657	PREDICTED: similar to CutC copper transporter homolog
S	50731103	PREDICTED: similar to CWF19-like 2, cell cycle control
S	50728988	PREDICTED: similar to CXYorf1-related protein
S	50731748	PREDICTED: similar to cyclic nucleotide gated channel beta 3
S	50763199	PREDICTED: similar to Cyclic-AMP-dependent transcription factor ATF-7
S	50754750	PREDICTED: similar to cyclin J
S	50749911	PREDICTED: similar to cyclin M2; ancient conserved domain protein 2
S	50730271	PREDICTED: similar to cyclin-dependent kinase-like 5
S	50746248	PREDICTED: similar to cyclophilin
S	50751682	PREDICTED: similar to CYP2J4
S	50747856	PREDICTED: similar to CysRS protein
S	50745609	PREDICTED: similar to cysteinyl leukotriene receptor 1
S	50758292	PREDICTED: similar to Cystinosin
S	50730131	PREDICTED: similar to Cytochrome B-245 heavy chain
S	50729594	PREDICTED: similar to Cytochrome c oxidase copper chaperone
S	50745300	PREDICTED: similar to cytochrome P450, family 39, subfamily A, polypep
S	50728778	PREDICTED: similar to Cytohesin 4
S	50728840	PREDICTED: similar to cytoskeleton-associated protein 4
S	50764720	PREDICTED: similar to Cytosol aminopeptidase (Leucine aminopeptidase)
S	50736263	PREDICTED: similar to Cytosolic nonspecific dipeptidase
S	50806250	PREDICTED: similar to D030041N04Rik protein
S	50757875	PREDICTED: similar to D11Ert498e protein
S	50790717	PREDICTED: similar to D3Mm3e, partial
S	50747766	PREDICTED: similar to D7H11orf14 protein
S	50732792	PREDICTED: similar to Da2-17
S	50741674	PREDICTED: similar to dapper 2
S	50730639	PREDICTED: similar to DAZ interacting protein 1; zinc finger DAZ inter
S	50751208	PREDICTED: similar to DBCCR1-like
S	50753214	PREDICTED: similar to DDM36E
S	50731085	PREDICTED: similar to Ddx10 protein
S	50760381	PREDICTED: similar to DEAD box RNA helicase Gemin3
S	50728986	PREDICTED: similar to DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11
S	50804393	PREDICTED: similar to DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 16,
S	50747654	PREDICTED: similar to DEAF-1 related transcriptional regulator (NUDR)
S	50751949	PREDICTED: similar to Debranching enzyme homolog 1
S	50728470	PREDICTED: similar to decorin [Gallus Gallus] [M
S	50784109	PREDICTED: similar to Dedicator of cytokinesis protein 1 (180 kDa prot
S	50752024	PREDICTED: similar to Dedicator of cytokinesis protein 10 (Protein ziz
S	50794644	PREDICTED: similar to delangin isoform A; Nipped-B-like, partial
S	50806436	PREDICTED: similar to deleted in malignant brain tumors 1 isoform b pr
S	50751990	PREDICTED: similar to delta-notch-like EGF repeat-containing transmemb
S	50754881	PREDICTED: similar to dendritic cell-derived ubiquitin-like protein
S	50751748	PREDICTED: similar to DEP domain containing 1
S	50756633	PREDICTED: similar to DEP domain containing protein 5
S	50733002	PREDICTED: similar to DERP13 (dermal papilla derived protein 13)

S	50748135	PREDICTED: similar to diacylglycerol kinase, zeta
S	50730801	PREDICTED: similar to differentially expressed in hematopoietic lineag
S	50754057	PREDICTED: similar to Dihydroorotate dehydrogenase, mitochondrial prec
S	50753979	PREDICTED: similar to dipeptidase 1
S	50761192	PREDICTED: similar to dipeptidylpeptidase 9
S	50731191	PREDICTED: similar to Dipeptidyl-peptidase I
S	50750157	PREDICTED: similar to Disco-interacting protein 2 homolog
S	50748892	PREDICTED: similar to discs large homolog 7
S	50752365	PREDICTED: similar to dishevelled 3
S	50806256	PREDICTED: similar to disintegrin and metalloprotease domain 32
S	50747690	PREDICTED: similar to dispatched B
S	50732675	PREDICTED: similar to distal-less-5
S	50757163	PREDICTED: similar to divalent cation tolerant protein CUTA
S	50755021	PREDICTED: similar to DKFZP434C171 protein
S	50793860	PREDICTED: similar to DKFZP434H132 protein
S	50731777	PREDICTED: similar to DKFZP434I092 protein
S	50755918	PREDICTED: similar to DKFZP564K2062 protein
S	50749484	PREDICTED: similar to DNA excision repair protein ERCC-6
S	50747618	PREDICTED: similar to DNA helicase
S	50758136	PREDICTED: similar to DNA ligase III
S	50730589	PREDICTED: similar to DNA ligase IV
S	50748500	PREDICTED: similar to DNA mismatch repair protein Mlh3 (MutL protein h
S	50802484	PREDICTED: similar to DNA-dependent protein kinase catalytic subunit,
S	50761176	PREDICTED: similar to DNA-dependent protein kinase catalytic subunit-i
S	50746617	PREDICTED: similar to DNA-directed RNA polymerase II
S	50747918	PREDICTED: similar to DNA-directed RNA polymerase II 7.6 kDa polypepti
S	50728836	PREDICTED: similar to DNA-directed RNA polymerase III subunit 127.6 kD
S	50732836	PREDICTED: similar to DnaJ (Hsp40) homolog, subfamily C, member 13
S	50758813	PREDICTED: similar to DnaJ homolog subfamily C member 5
S	50755962	PREDICTED: similar to dodecenoyl-Coenzyme A delta isomerase
S	50759086	PREDICTED: similar to Dolichol-phosphate mannosyltransferase
S	50754549	PREDICTED: similar to downregulated in renal cell carcinoma
S	50749617	PREDICTED: similar to Dual specificity phosphatase 11 (RNA/RNP complex
S	50734106	PREDICTED: similar to dual specificity phosphatase 22
S	50749783	PREDICTED: similar to dual specificity phosphatase 5
S	50758859	PREDICTED: similar to dual specificity phosphatase-like 15 isoform a
S	50811612	PREDICTED: similar to Dual specificity protein kinase CLK2 (CDC like k
S	50742485	PREDICTED: similar to dual-specificity phosphatase laforin
S	50755731	PREDICTED: similar to dynactin 4
S	50793996	PREDICTED: similar to dynamin binding protein
S	50757388	PREDICTED: similar to Dynamin-1
S	50757629	PREDICTED: similar to dynein, axonemal, heavy polypeptide 9

S	50728440	PREDICTED: similar to DYRK2 protein
S	50773692	PREDICTED: similar to Dysferlin
S	50737391	PREDICTED: similar to dystrobrevin alpha isoform 1; dystrophin-related
S	50756275	PREDICTED: similar to E1A binding protein p400; p400 SWI2/SNF2-related
S	50728542	PREDICTED: similar to E2a-Pbx1-associated protein; amyloid-beta precursor
S	50752468	PREDICTED: similar to Ect2 protein
S	50796702	PREDICTED: similar to EF hand domain containing 2
S	50755383	PREDICTED: similar to Eferin
S	50761985	PREDICTED: similar to EGF-like repeats and discoidin I-like domains-co
S	50739053	PREDICTED: similar to EH-domain containing 3
S	50736949	PREDICTED: similar to elastin microfibril interlacer 2
S	50746246	PREDICTED: similar to Electron transfer flavoprotein-ubiquinone oxidor
S	50747234	PREDICTED: similar to Ellis-van Creveld syndrome protein (DWF-1)
S	50755874	PREDICTED: similar to Elongation factor 2 kinase (eEF-2 kinase) (eEF-2
S	50797302	PREDICTED: similar to Em:U62317.2
S	50770280	PREDICTED: similar to embryonic ectoderm development protein homolog
S	50744688	PREDICTED: similar to endo-alpha-mannosidase
S	50757562	PREDICTED: similar to Endoplasmic reticulum mannosyl-oligosaccharide 1
S	50741026	PREDICTED: similar to endoplasmic reticulum oxidoreductin 1-Lbeta
S	50756451	PREDICTED: similar to endoplasmic reticulum protein 29
S	50761961	PREDICTED: similar to endosome-associated FYVE-domain protein
S	50762031	PREDICTED: similar to endothelial differentiation, lysophosphatidic acid G-coupled receptor 2
S	50758919	PREDICTED: similar to engulfment and cell motility 2; ced-12 homolog 2
S	50750808	PREDICTED: similar to enhancer of polycomb homolog 2
S	50732363	PREDICTED: similar to Enkurin
S	50745294	PREDICTED: similar to ENPP4 protein
S	50732183	PREDICTED: similar to ENSANGP00000012395
S	50748189	PREDICTED: similar to ENSANGP00000017034
S	50757955	PREDICTED: similar to Envoplakin
S	50798747	PREDICTED: similar to Epa2p, partial
S	50752166	PREDICTED: similar to Ephrin type-B receptor 1 (Tyrosine-protein kinase)
S	50761168	PREDICTED: similar to epidermal growth factor receptor pathway substra
S	50747658	PREDICTED: similar to Epidermal growth factor receptor pathway substrate
S	50775539	PREDICTED: similar to epiplakin
S	50755629	PREDICTED: similar to epsin 2 isoform a; Eps15 binding protein
S	50745437	PREDICTED: similar to ERM-binding phosphoprotein
S	50757151	PREDICTED: similar to Erythrocyte band 7 integral membrane protein
S	50796737	PREDICTED: similar to erythroid differentiation-related factor 1
S	50730073	PREDICTED: similar to ES1 protein homolog
S	50808511	PREDICTED: similar to esophageal cancer associated protein

S	50759135	PREDICTED: similar to espin
S	50738939	PREDICTED: similar to ETAA16 protein
S	50730203	PREDICTED: similar to Eukaryotic translation initiation factor 1A
S	50748332	PREDICTED: similar to Eukaryotic translation initiation factor 2 subun
S	50730172	PREDICTED: similar to eukaryotic translation initiation factor 2, subu
S	50731932	PREDICTED: similar to eukaryotic translation initiation factor 2C, 2;
S	50756643	PREDICTED: similar to Eukaryotic translation initiation factor 4E tran
S	50758054	PREDICTED: similar to eukaryotic translation initiation factor 4H
S	50748740	PREDICTED: similar to Eukaryotic translation initiation factor 5 (eIF-
S	50754806	PREDICTED: similar to eukaryotic translation termination factor 1; sup
S	50729708	PREDICTED: similar to EWS/FLI1 activated transcript 2 (EAT-2)
S	50749158	PREDICTED: similar to Exosome complex exonuclease RRP40 (Ribosomal RNA
S	50747106	PREDICTED: similar to expressed sequence AA536743
S	50729296	PREDICTED: similar to expressed sequence AI841794
S	50747998	PREDICTED: similar to expressed sequence AU040576
S	50804249	PREDICTED: similar to expressed sequence AW011752, partial
S	50749498	PREDICTED: similar to expressed sequence AW210596
S	50729383	PREDICTED: similar to Extracellular calcium-sensing receptor precursor
S	50749132	PREDICTED: similar to family with sequence similarity 35, member A
S	50740653	PREDICTED: similar to fasciculation and elongation protein zeta 2
S	50755017	PREDICTED: similar to FAT tumor suppressor 2
S	50754748	PREDICTED: similar to fatty acid binding protein 6; Fatty acid binding
S	50756375	PREDICTED: similar to F-box and leucine-rich repeat protein 10; protei
S	50794285	PREDICTED: similar to F-box and leucine-rich repeat protein 11
S	50756027	PREDICTED: similar to F-box only protein 18
S	50796282	PREDICTED: similar to F-box only protein 3
S	50742576	PREDICTED: similar to F-box only protein 5
S	50744864	PREDICTED: similar to F-box only protein 9
S	50746331	PREDICTED: similar to F-box protein FBW7
S	50757845	PREDICTED: similar to fetal Alzheimer antigen isoform 2; bromodomain a
S	50731221	PREDICTED: similar to Fibrinogen-like protein 1 precursor (Hepatocyte-
S	50750097	PREDICTED: similar to Fibronectin
S	50750099	PREDICTED: similar to fibronectin 1 isoform 3 preproprotein; cold-inso
S	50757566	PREDICTED: similar to Ficolin 2 precursor (Collagen/fibrinogen domain-
S	50754361	PREDICTED: similar to filamin [Gallus Gallus] [M
S	50729367	PREDICTED: similar to FK506-binding protein 4
S	50756819	PREDICTED: similar to FLJ00052 protein
S	50753555	PREDICTED: similar to FLJ00068 protein
S	50755529	PREDICTED: similar to FLJ00120 protein
S	50757121	PREDICTED: similar to FLJ00224 protein
S	50754868	PREDICTED: similar to FLJ00258 protein
S	50771908	PREDICTED: similar to FLJ00269 protein, partial
S	50754656	PREDICTED: similar to FLJ00274 protein
S	50750349	PREDICTED: similar to FLJ00341 protein
S	50759343	PREDICTED: similar to FLJ00393 protein
S	50732267	PREDICTED: similar to FLJ10300 protein
S	50730897	PREDICTED: similar to FLJ11712 protein
S	50748177	PREDICTED: similar to FLJ12634 protein

S	50746441	PREDICTED: similar to FLJ13273 protein
S	50745027	PREDICTED: similar to FLJ14075 protein
S	50745153	PREDICTED: similar to FLJ20254 protein
S	50747378	PREDICTED: similar to FLJ20758 protein
S	50753402	PREDICTED: similar to FLJ21940 protein
S	50736943	PREDICTED: similar to FLJ23017 protein
S	50747576	PREDICTED: similar to FLJ23311 protein
S	50752949	PREDICTED: similar to FLJ41287 protein
S	50747646	PREDICTED: similar to FLJ43339 protein
S	50752120	PREDICTED: similar to FLJ43374 protein
S	50747037	PREDICTED: similar to FLJ43965 protein
S	50758238	PREDICTED: similar to Flotillin-2 (Reggie-1) (REG-1)
S	50746066	PREDICTED: similar to Fragile X mental retardation 2 protein (Protein
S	50758468	PREDICTED: similar to Frizzled-9
S	50810230	PREDICTED: similar to fukutin-related protein, partial
S	50733070	PREDICTED: similar to FYVE and coiled-coil domain containing 1
S	50754650	PREDICTED: similar to FYVE-finger-containing Rab5 effector protein rab
S	50740278	PREDICTED: similar to G patch domain containing 2
S	50731233	PREDICTED: similar to G protein-coupled receptor
S	50751957	PREDICTED: similar to G protein-coupled receptor 148; G protein-couple
S	50749947	PREDICTED: similar to G protein-coupled receptor 26
S	50744954	PREDICTED: similar to G protein-coupled receptor 63; brain expressed G
S	50738921	PREDICTED: similar to G protein-coupled receptor 73-like 1; prokinetic
S	50749060	PREDICTED: similar to G protein-coupled receptor G2A
S	50741947	PREDICTED: similar to G2
S	50729881	PREDICTED: similar to GA binding protein transcription factor, alpha s
S	50729540	PREDICTED: similar to GABAB-related G-protein coupled receptor
S	50761993	PREDICTED: similar to Gag-Pro-Pol protein
S	50747204	PREDICTED: similar to Gag-Pro-Pol-Env protein
S	50744968	PREDICTED: similar to Galactosylgalactosylxylosylprotein 3-beta-glucur
S	50746489	PREDICTED: similar to GalNAc transferase 10 isoform a; GalNAc transfer
S	50754127	PREDICTED: similar to gamma filamin protein [Gallus Gallus]
S	50754065	PREDICTED: similar to gamma-adaptin
S	50747025	PREDICTED: similar to gamma-aminobutyric acid A receptor gamma 1 chain
S	50754790	PREDICTED: similar to Gamma-aminobutyric-acid receptor pi subunit prec
S	50744956	PREDICTED: similar to Gamma-aminobutyric-acid receptor rho-1 subunit p
S	50807011	PREDICTED: similar to Gamma-butyrobetaine 2-oxoglutarate dioxygenase
S	50756605	PREDICTED: similar to Gamma-glutamyltransferase 5
S	50736711	PREDICTED: similar to Gamma-soluble NSF attachment protein
S	50730376	PREDICTED: similar to Gamma-tubulin complex component 5 (GCP-5)
S	50748344	PREDICTED: similar to GCN2 eIF2alpha kinase
S	50806266	PREDICTED: similar to Gcp16 protein

S	50754993	PREDICTED: similar to gemin 5
S	50794396	PREDICTED: similar to Gem-interacting protein
S	50803643	PREDICTED: similar to Gene trap locus-13
S	50754622	PREDICTED: similar to Gene trap ROSA 26 antisense, Philippe Soriano
S	50750198	PREDICTED: similar to general transcription factor IIIC, polypeptide 3
S	50759561	PREDICTED: similar to GFHL3075
S	50748904	PREDICTED: similar to Glia maturation factor beta (GMF-beta)
S	50728576	PREDICTED: similar to GLP_39_88222_87572
S	50740809	PREDICTED: similar to glucagon-like peptide 1 receptor
S	50749130	PREDICTED: similar to Glutamate dehydrogenase 1, mitochondrial precurs
S	50760960	PREDICTED: similar to glutamate transporter 5B
S	50755295	PREDICTED: similar to Glutamine:fructose-6-phosphate amidotransferase
S	50740677	PREDICTED: similar to glutaminy cyclase
S	50758999	PREDICTED: similar to Glutathione synthetase (Glutathione synthase) (G
S	50756235	PREDICTED: similar to Glycoprotein Ib (platelet), beta polypeptide
S	50745083	PREDICTED: similar to glycoprotein-associated amino acid transporter
S	50756261	PREDICTED: similar to Golgi autoantigen, golgin subfamily a
S	50790472	PREDICTED: similar to Gpr43 protein, partial
S	50750920	PREDICTED: similar to G-protein signalling modulator 2 (AGS3-like, C.
S	50746667	PREDICTED: similar to G-rich sequence factor-1 (GRSF-1)
S	50752879	PREDICTED: similar to GRINL1A complex protein 2
S	50747560	PREDICTED: similar to growth arrest-specific 2
S	50732125	PREDICTED: similar to Growth hormone-releasing hormone receptor precur
S	50745147	PREDICTED: similar to growth/differentiation factor 16 precursor prote
S	50755407	PREDICTED: similar to GSPT1 protein
S	50757153	PREDICTED: similar to GTPase Rab14
S	50757869	PREDICTED: similar to guanine nucleotide binding protein (G protein),
S	50753611	PREDICTED: similar to guanine nucleotide binding protein alpha oB
S	50731574	PREDICTED: similar to guanine nucleotide exchange factor
S	50746785	PREDICTED: similar to guanine nucleotide exchange factor smgGDS
S	50736513	PREDICTED: similar to Guanine nucleotide-binding protein G(olf), alpha
S	50729466	PREDICTED: similar to guanine nucleotide-binding protein, beta-3
S	50752442	PREDICTED: similar to guanine nucleotide-binding protein, beta-4
S	50756039	PREDICTED: similar to guanine nucleotide-exchange factor
S	50733634	PREDICTED: similar to guanosine monophosphate reductase
S	50759625	PREDICTED: similar to guanylate binding protein
S	50800479	PREDICTED: similar to guanylate binding protein
S	50731478	PREDICTED: similar to guanylate cyclase OIGC-R1
S	50750045	PREDICTED: similar to GULP, engulfment adaptor PTB domain containing 1
S	50729024	PREDICTED: similar to H+exporting ATPase (EC 3.6.3.6) 31K chain, vacu
S	50750429	PREDICTED: similar to HAT-2
S	50742676	PREDICTED: similar to Headcase protein homolog (hHDC)
S	50806604	PREDICTED: similar to heart alpha-kinase

S	50755212	PREDICTED: similar to heat shock 70kDa protein 4 isoform a; heat shock
S	50756763	PREDICTED: similar to heavy neurofilament protein
S	50744646	PREDICTED: similar to HECT domain and ankyrin repeat containing, E3
S	50809267	PREDICTED: similar to HECT domain containing 2, partial
S	50746285	PREDICTED: similar to Hedgehog-interacting protein
S	50744652	PREDICTED: similar to helicase, ATP binding 1; RNA helicase family; AS
S	50755974	PREDICTED: similar to Heme oxygenase 2 (HO-2)
S	50744932	PREDICTED: similar to heparan sulfate (glucosamine) 3-O-sulfotransfera
S	50757661	PREDICTED: similar to heparan sulfate D-glucosaminy 3-O-sulfotransfer
S	50748484	PREDICTED: similar to HESB like domain containing 1
S	50779792	PREDICTED: similar to high affinity IgG Fc gamma receptor 1
S	50738020	PREDICTED: similar to High glucose-regulated protein 8
S	50737187	PREDICTED: similar to Histamine H3 receptor H3S
S	50729208	PREDICTED: similar to histone 2, H2ac
S	50806272	PREDICTED: similar to Histone acetyltransferase 3 MYST
S	50806709	PREDICTED: similar to histone deacetylase 7A isoform a
S	50729700	PREDICTED: similar to HMG-BOX transcription factor BBX; x 001 protein
S	50744846	PREDICTED: similar to HMGCLL1 protein
S	50745459	PREDICTED: similar to HN1
S	50750425	PREDICTED: similar to homeobox protein
S	50730013	PREDICTED: similar to Homeobox protein PKNOX1 (PBX/knotted homeobox 1)
S	50749757	PREDICTED: similar to hSLK
S	50754337	PREDICTED: similar to HSPC030 heat shock-like protein
S	50744628	PREDICTED: similar to HSPC230 protein; HSPC230 gene
S	50731389	PREDICTED: similar to HSPC290
S	50759944	PREDICTED: similar to Hu-Clasp
S	50796039	PREDICTED: similar to Human homolog of Mus musculus wizL protein
S	50747290	PREDICTED: similar to Huntingtin (Huntingtons disease protein) (HD pro
S	50750698	PREDICTED: similar to huntingtin-associated protein interacting protei
S	50728366	PREDICTED: similar to Huntingtin-interacting protein 14 (Huntingtin-in
S	50729704	PREDICTED: similar to huntingtin-interacting protein-1 protein interac
S	50733703	PREDICTED: similar to Hus1 protein
S	50754135	PREDICTED: similar to Hyal2-prov protein
S	50754766	PREDICTED: similar to Hyaluronan receptor
S	50731588	PREDICTED: similar to hypothetical class II basic helix-loop-helix pro
S	50728704	PREDICTED: similar to hypothetical protein
S	50729244	PREDICTED: similar to hypothetical protein
S	50729580	PREDICTED: similar to hypothetical protein
S	50729646	PREDICTED: similar to hypothetical protein
S	50730364	PREDICTED: similar to hypothetical protein
S	50730790	PREDICTED: similar to hypothetical protein
S	50730963	PREDICTED: similar to hypothetical protein
S	50731750	PREDICTED: similar to hypothetical protein

S	50734079	PREDICTED: similar to Hypothetical protein
S	50736278	PREDICTED: similar to hypothetical protein
S	50746663	PREDICTED: similar to Hypothetical protein
S	50746829	PREDICTED: similar to hypothetical protein
S	50747045	PREDICTED: similar to Hypothetical protein
S	50747435	PREDICTED: similar to hypothetical protein
S	50748712	PREDICTED: similar to hypothetical protein
S	50749482	PREDICTED: similar to hypothetical protein
S	50749857	PREDICTED: similar to hypothetical protein
S	50752914	PREDICTED: similar to Hypothetical protein
S	50753709	PREDICTED: similar to hypothetical protein
S	50754069	PREDICTED: similar to hypothetical protein
S	50754219	PREDICTED: similar to Hypothetical protein
S	50755150	PREDICTED: similar to Hypothetical protein
S	50756719	PREDICTED: similar to hypothetical protein
S	50761349	PREDICTED: similar to hypothetical protein
S	50761581	PREDICTED: similar to hypothetical protein
S	50755647	PREDICTED: similar to Hypothetical protein 4732467B22
S	50729256	PREDICTED: similar to hypothetical protein 6330514E13
S	50729518	PREDICTED: similar to hypothetical protein AY099107
S	50752409	PREDICTED: similar to hypothetical protein D3ErtD789e
S	50753140	PREDICTED: similar to hypothetical protein D430020F16
S	50761374	PREDICTED: similar to hypothetical protein DKFZp313G1735
S	50752673	PREDICTED: similar to Hypothetical protein DKFZp434B195
S	50746969	PREDICTED: similar to hypothetical protein DKFZp434F117.1 - human (fra
S	50758256	PREDICTED: similar to hypothetical protein DKFZp434K1421
S	50759588	PREDICTED: similar to hypothetical protein DKFZp434L0117
S	50746603	PREDICTED: similar to hypothetical protein DKFZp761G058
S	50755868	PREDICTED: similar to Hypothetical protein E030013G06
S	50736829	PREDICTED: similar to hypothetical protein E130310N06
S	50762335	PREDICTED: similar to hypothetical protein FLJ10233
S	50754917	PREDICTED: similar to hypothetical protein FLJ10404
S	50751090	PREDICTED: similar to hypothetical protein FLJ10514, partial
S	50751480	PREDICTED: similar to hypothetical protein FLJ10597
S	50732329	PREDICTED: similar to Hypothetical protein FLJ10817
S	50749292	PREDICTED: similar to hypothetical protein FLJ10839; cell-cycle and ap
S	50731349	PREDICTED: similar to Hypothetical protein FLJ11088
S	50745662	PREDICTED: similar to hypothetical protein FLJ12687
S	50756353	PREDICTED: similar to hypothetical protein FLJ12750
S	50740218	PREDICTED: similar to hypothetical protein FLJ12806
S	50810604	PREDICTED: similar to hypothetical protein FLJ12994, partial
S	50751316	PREDICTED: similar to Hypothetical protein FLJ13150
S	50756347	PREDICTED: similar to hypothetical protein FLJ13491
S	50751374	PREDICTED: similar to Hypothetical protein FLJ13511
S	50795607	PREDICTED: similar to hypothetical protein FLJ13848, partial
S	50747396	PREDICTED: similar to hypothetical protein FLJ13910
S	50750421	PREDICTED: similar to hypothetical protein FLJ13946
S	50746204	PREDICTED: similar to hypothetical protein FLJ14431
S	50751578	PREDICTED: similar to hypothetical protein FLJ14442

S	50758821	PREDICTED: similar to hypothetical protein FLJ14972 isoform c
S	50746188	PREDICTED: similar to Hypothetical protein FLJ20035
S	50728714	PREDICTED: similar to hypothetical protein FLJ20232
S	50760762	PREDICTED: similar to hypothetical protein FLJ20291
S	50758014	PREDICTED: similar to hypothetical protein FLJ20315
S	50754786	PREDICTED: similar to Hypothetical protein FLJ20364
S	50759740	PREDICTED: similar to hypothetical protein FLJ20508
S	50746196	PREDICTED: similar to hypothetical protein FLJ20534
S	50751624	PREDICTED: similar to hypothetical protein FLJ20580
S	50748368	PREDICTED: similar to Hypothetical protein FLJ20582
S	50753711	PREDICTED: similar to Hypothetical protein FLJ20718
S	50750471	PREDICTED: similar to hypothetical protein FLJ21901
S	50728250	PREDICTED: similar to hypothetical protein FLJ21908
S	50732950	PREDICTED: similar to Hypothetical protein FLJ22313
S	50761368	PREDICTED: similar to hypothetical protein FLJ22344
S	50729750	PREDICTED: similar to hypothetical protein FLJ22609
S	50749304	PREDICTED: similar to Hypothetical protein FLJ22761
S	50728392	PREDICTED: similar to hypothetical protein FLJ22789
S	50759752	PREDICTED: similar to hypothetical protein FLJ23231
S	50806307	PREDICTED: similar to Hypothetical protein FLJ25286
S	50730194	PREDICTED: similar to hypothetical protein FLJ30296
S	50762321	PREDICTED: similar to Hypothetical protein FLJ30596
S	50746341	PREDICTED: similar to hypothetical protein FLJ30655
S	50750250	PREDICTED: similar to hypothetical protein FLJ31322
S	50756295	PREDICTED: similar to hypothetical protein FLJ31978
S	50752164	PREDICTED: similar to hypothetical protein FLJ32844
S	50730249	PREDICTED: similar to hypothetical protein FLJ34064
S	50753585	PREDICTED: similar to hypothetical protein FLJ34389
S	50728404	PREDICTED: similar to hypothetical protein FLJ35821
S	50761495	PREDICTED: similar to hypothetical protein FLJ35954
S	50750856	PREDICTED: similar to hypothetical protein FLJ36175
S	50758342	PREDICTED: similar to hypothetical protein FLJ37451
S	50747320	PREDICTED: similar to hypothetical protein FLJ37478
S	50757959	PREDICTED: similar to Hypothetical protein FLJ38335
S	50762340	PREDICTED: similar to Hypothetical protein FLJ39155
S	50750300	PREDICTED: similar to hypothetical protein FLJ40432
S	50732848	PREDICTED: similar to hypothetical protein H41
S	50760045	PREDICTED: similar to Hypothetical protein KIAA0056
S	50741422	PREDICTED: similar to Hypothetical protein KIAA0133
S	50747437	PREDICTED: similar to Hypothetical protein KIAA0552
S	50732617	PREDICTED: similar to hypothetical protein KIAA1190
S	50754959	PREDICTED: similar to Hypothetical protein MGC10067
S	50753490	PREDICTED: similar to hypothetical protein MGC11335
S	50752134	PREDICTED: similar to hypothetical protein MGC14126
S	50752172	PREDICTED: similar to hypothetical protein MGC15397
S	50759798	PREDICTED: similar to hypothetical protein MGC15882
S	50746437	PREDICTED: similar to hypothetical protein MGC16169
S	50760841	PREDICTED: similar to hypothetical protein MGC20781
S	50749739	PREDICTED: similar to hypothetical protein MGC27171
S	50744952	PREDICTED: similar to Hypothetical protein MGC2817
S	50732010	PREDICTED: similar to Hypothetical protein MGC3067

S	50752943	PREDICTED: similar to Hypothetical protein MGC35274
S	50733595	PREDICTED: similar to Hypothetical protein MGC38211
S	50750328	PREDICTED: similar to hypothetical protein MGC39518
S	50752335	PREDICTED: similar to Hypothetical protein MGC42174
S	50753236	PREDICTED: similar to Hypothetical protein MGC4562
S	50796320	PREDICTED: similar to Hypothetical protein MGC75621, partial
S	50808517	PREDICTED: similar to Hypothetical protein MGC75804
S	50750543	PREDICTED: similar to Hypothetical protein MGC75965
S	50752327	PREDICTED: similar to Hypothetical protein MGC76194
S	50752520	PREDICTED: similar to Hypothetical protein MGC76205
S	50756207	PREDICTED: similar to Hypothetical protein MGC76218
S	50782480	PREDICTED: similar to Hypothetical protein MGC76312
S	50728114	PREDICTED: similar to Hypothetical protein PP2447
S	50753647	PREDICTED: similar to Hypothetical protein zgc:77182
S	50799154	PREDICTED: similar to hypothetical protein, partial
S	50807753	PREDICTED: similar to hypothetical Ypt/Rab-GAP domain of gyp1p structu
S	50748700	PREDICTED: similar to IFP53
S	50756571	PREDICTED: similar to Ig light chain
S	50732117	PREDICTED: similar to immune associated nucleotide 6; immune associate
S	50732185	PREDICTED: similar to immune associated nucleotide family member
S	50797845	PREDICTED: similar to immunity associated protein 1, partial
S	50760101	PREDICTED: similar to immunoglobulin superfamily, member 4A
S	50747758	PREDICTED: similar to Importin 7 (Imp7) (Ran-binding protein 7) (RanBP
S	50728982	PREDICTED: similar to Importin 8 (Imp8) (Ran-binding protein 8) (RanBP
S	50755557	PREDICTED: similar to importin alpha 1a
S	50746475	PREDICTED: similar to inhibitor of growth family, member 1-like
S	50760461	PREDICTED: similar to inositol hexakisphosphate kinase 3
S	50730402	PREDICTED: similar to Inositol polyphosphate-4-phosphatase
S	50757187	PREDICTED: similar to inositol polyphosphate-5-phosphatase E; phosphat
S	50749869	PREDICTED: similar to inositol polyphosphate-5-phosphatase F isoform 1
S	50750626	PREDICTED: similar to insulin-like growth factor binding protein 5
S	50746615	PREDICTED: similar to Insulin-like growth factor binding protein 7 pre
S	50753262	PREDICTED: similar to integrin alpha 11 subunit precursor
S	50761641	PREDICTED: similar to Integrin alpha-2
S	50790903	PREDICTED: similar to Integrin alpha-7
S	50757749	PREDICTED: similar to Integrin beta-4 precursor (GP150) (CD104 antigen
S	50732305	PREDICTED: similar to Integrin, band 3
S	50745332	PREDICTED: similar to Interleukin 17
S	50760531	PREDICTED: similar to Interleukin 20
S	50751736	PREDICTED: similar to interleukin-23 receptor
S	50729943	PREDICTED: similar to intersectin long isoform
S	50746737	PREDICTED: similar to intestinal fatty acid-binding protein
S	50757279	PREDICTED: similar to Ionized calcium binding adapter molecule 2
S	50750674	PREDICTED: similar to IQ calmodulin-binding motif containing protein 1

S	50756488	PREDICTED: similar to ISCU2
S	50732537	PREDICTED: similar to islet cell autoantigen 1 isoform 1; islet cell a
S	50752640	PREDICTED: similar to ISLR
S	50802490	PREDICTED: similar to Isocitrate dehydrogenase 2 (NADP)
S	50752793	PREDICTED: similar to Isocitrate dehydrogenase 3 (NAD
S	50802073	PREDICTED: similar to Isocitrate dehydrogenase 3, beta subunit
S	50744848	PREDICTED: similar to IVFI9356
S	50747740	PREDICTED: similar to JAW1-related protein isoform a; inositol 1,4,5-t
S	50757813	PREDICTED: similar to Joined to JAZF1
S	50755246	PREDICTED: similar to jumonji domain containing 1B; putative zinc fing
S	50786858	PREDICTED: similar to junction plakoglobin; gamma-catenin (plakoglobin
S	50729877	PREDICTED: similar to Junctional adhesion molecule 2
S	50748081	PREDICTED: similar to Kangai 1
S	50742529	PREDICTED: similar to katanin p60 subunit A 1
S	50747864	PREDICTED: similar to Kcnq1 protein
S	50763707	PREDICTED: similar to Kelch-like protein 5
S	50763775	PREDICTED: similar to Kelch-like protein 5, partial
S	50751931	PREDICTED: similar to Kelch-like protein 6
S	50732866	PREDICTED: similar to KIAA0028
S	50753601	PREDICTED: similar to KIAA0095
S	50745043	PREDICTED: similar to KIAA0188
S	50756055	PREDICTED: similar to KIAA0265 protein
S	50744882	PREDICTED: similar to KIAA0294
S	50793147	PREDICTED: similar to KIAA0315
S	50749631	PREDICTED: similar to KIAA0335
S	50755862	PREDICTED: similar to KIAA0419
S	50755355	PREDICTED: similar to KIAA0420
S	50761859	PREDICTED: similar to KIAA0433
S	50755310	PREDICTED: similar to KIAA0437
S	50729094	PREDICTED: similar to KIAA0528 gene product
S	50805286	PREDICTED: similar to KIAA0556 protein, partial
S	50761134	PREDICTED: similar to KIAA0561 protein
S	50748181	PREDICTED: similar to KIAA0596 protein
S	50732912	PREDICTED: similar to KIAA0627 protein
S	50757939	PREDICTED: similar to KIAA0672 protein
S	50758531	PREDICTED: similar to KIAA0681 protein
S	50793564	PREDICTED: similar to KIAA0767 protein
S	50761726	PREDICTED: similar to KIAA0780 protein
S	50754161	PREDICTED: similar to KIAA0800 protein
S	50730532	PREDICTED: similar to KIAA0865 protein
S	50746130	PREDICTED: similar to KIAA0922 protein
S	50728370	PREDICTED: similar to KIAA0938 protein
S	50732545	PREDICTED: similar to KIAA0960 protein
S	50730875	PREDICTED: similar to KIAA0970 protein
S	50754105	PREDICTED: similar to KIAA0975 protein
S	50753565	PREDICTED: similar to KIAA1007 protein
S	50730733	PREDICTED: similar to KIAA1008
S	50754584	PREDICTED: similar to KIAA1095 protein
S	50754945	PREDICTED: similar to KIAA1191 protein
S	50750704	PREDICTED: similar to KIAA1237 protein

S	50758062	PREDICTED: similar to KIAA1255 protein
S	50756131	PREDICTED: similar to KIAA1264 protein
S	50770167	PREDICTED: similar to KIAA1276 protein, partial
S	50744694	PREDICTED: similar to KIAA1315 protein
S	50731133	PREDICTED: similar to KIAA1333
S	50755230	PREDICTED: similar to KIAA1352 protein
S	50742685	PREDICTED: similar to KIAA1357 protein
S	50750630	PREDICTED: similar to KIAA1399 protein
S	50744762	PREDICTED: similar to KIAA1417 protein
S	50742624	PREDICTED: similar to KIAA1423 protein
S	50732367	PREDICTED: similar to KIAA1424 protein
S	50755876	PREDICTED: similar to KIAA1452 protein
S	50747013	PREDICTED: similar to KIAA1458 protein
S	50806687	PREDICTED: similar to KIAA1463 protein
S	50729706	PREDICTED: similar to KIAA1524 protein
S	50753280	PREDICTED: similar to KIAA1561 protein
S	50750314	PREDICTED: similar to KIAA1571 protein
S	50764945	PREDICTED: similar to KIAA1609 protein
S	50805365	PREDICTED: similar to KIAA1623 protein, partial
S	50746749	PREDICTED: similar to KIAA1627 protein
S	50746405	PREDICTED: similar to KIAA1680 protein
S	50750854	PREDICTED: similar to KIAA1728 protein
S	50751614	PREDICTED: similar to KIAA1730 protein
S	50731167	PREDICTED: similar to KIAA1731 protein
S	50748129	PREDICTED: similar to KIAA1736 protein
S	50749919	PREDICTED: similar to KIAA1754 protein
S	50730496	PREDICTED: similar to KIAA1802 protein
S	50751228	PREDICTED: similar to KIAA1839 protein
S	50748970	PREDICTED: similar to KIAA1903 protein
S	50755525	PREDICTED: similar to KIAA1950 protein
S	50755252	PREDICTED: similar to KIAA1961 protein
S	50732491	PREDICTED: similar to KIAA2005 protein
S	50748776	PREDICTED: similar to KIAA2019 protein
S	50761718	PREDICTED: similar to KIAA2026 protein
S	50749636	PREDICTED: similar to kinase non-catalytic C-lobe domain (KIND) contai
S	50738619	PREDICTED: similar to kinase-like protein klg precursor - CHICKen
S	50727981	PREDICTED: similar to kinesin family member 21A
S	50753276	PREDICTED: similar to Kinesin family member 23
S	50741680	PREDICTED: similar to kinesin family member 25 isoform 1; kinesin-like
S	50758490	PREDICTED: similar to Kinesin-like protein KIF12
S	50759297	PREDICTED: similar to kinesin-related microtubule-based motor protein
S	50732471	PREDICTED: similar to Krev interaction trapped 1
S	50806767	PREDICTED: similar to Krt8-prov protein
S	50728688	PREDICTED: similar to L(3)mbt-like 2
S	50744610	PREDICTED: similar to lactation elevated 1; CG8520 gene product; lacta
S	50753159	PREDICTED: similar to LAG1 longevity assurance homolog 3, partial
S	50744570	PREDICTED: similar to Laminin alpha-4 chain
S	50757281	PREDICTED: similar to laminin, gamma 3 precursor

S	50756857	PREDICTED: similar to L-amino acid oxidase
S	50732469	PREDICTED: similar to Lanosterol 14-demethylase
S	50740616	PREDICTED: similar to Latent transforming growth factor beta binding
S	50749010	PREDICTED: similar to latent transforming growth factor beta binding p
S	50748618	PREDICTED: similar to Legumain
S	50795139	PREDICTED: similar to Leiomodrin 3 (fetal)
S	50755711	PREDICTED: similar to Leucine carboxyl methyltransferase 1
S	50757500	PREDICTED: similar to Leucine rich repeat and sterile alpha motif cont
S	50736230	PREDICTED: similar to Leucine rich repeat containing 16
S	50751440	PREDICTED: similar to leucine rich repeat containing 19
S	50759289	PREDICTED: similar to leucine zipper and CTNNBIP1 domain containing; I
S	50732858	PREDICTED: similar to Leucine zipper transcription factor-like 1
S	50749907	PREDICTED: similar to leucine zipper, putative tumor suppressor 2
S	50747330	PREDICTED: similar to Leucine zipper-EF-hand containing transmembrane
S	50728067	PREDICTED: similar to leucine-rich repeat kinase 1, partial
S	50747134	PREDICTED: similar to leucine-rich repeat LGI family, member 2; leucin
S	50742007	PREDICTED: similar to Leucine-rich repeat-containing G protein-coupled
S	50761868	PREDICTED: similar to Leucyl-cystinyl aminopeptidase
S	50728522	PREDICTED: similar to Leukotriene A-4 hydrolase (LTA-4 hydrolase)
S	50745174	PREDICTED: similar to L-gulono-gamma-lactone oxidase
S	50760333	PREDICTED: similar to Ligatin (Hepatocellular carcinoma-associated ant
S	50754215	PREDICTED: similar to LIM and senescent cell antigen-like domains 1
S	50730721	PREDICTED: similar to LIM domain only 7; LOMP protein; zinc-finger dom
S	50732864	PREDICTED: similar to LIM domains containing 1
S	50751911	PREDICTED: similar to LIM-like protein 2B
S	50744680	PREDICTED: similar to LIM-only protein ACT
S	50752791	PREDICTED: similar to Lipidosin
S	50748002	PREDICTED: similar to Liprin-alpha 1 (Protein tyrosine phosphatase rec
S	50755777	PREDICTED: similar to LIS1-interacting protein NUDE
S	50748167	PREDICTED: similar to liver nuclear protein
S	50761777	PREDICTED: similar to long transient receptor potential channel 3
S	50750563	PREDICTED: similar to longevity assurance homolog 6
S	50728468	PREDICTED: similar to Lumican
S	50761585	PREDICTED: similar to lymphocyte antigen 64-like protein
S	50750537	PREDICTED: similar to Lymphocyte antigen 75
S	50756439	PREDICTED: similar to Lymphocyte specific adapter protein Lnk (Signal
S	50804015	PREDICTED: similar to lyn protein non-receptor kinase, partial [Gallus
S	50760821	PREDICTED: similar to lysosomal alpha-N-acetyl glucosaminidase
S	50732906	PREDICTED: similar to lysosomal beta-galactosidase
S	50731267	PREDICTED: similar to Lysosomal Pro-X carboxypeptidase
S	50745071	PREDICTED: similar to lysosomal-associated protein transmembrane 4 alp
S	50753901	PREDICTED: similar to M phase phosphoprotein 6
S	50732399	PREDICTED: similar to Macrophage mannose receptor precursor (MMR) (CD2

S	50728210	PREDICTED: similar to MADP-1 protein; U11/U12 snRNP 31K
S	50754515	PREDICTED: similar to MAGI1c alpha beta2 gamma
S	50731865	PREDICTED: similar to Mal, T-cell differentiation protein 2
S	50738978	PREDICTED: similar to Malate dehydrogenase, cytoplasmic
S	50748528	PREDICTED: similar to Maleylacetoacetate isomerase
S	50777761	PREDICTED: similar to maltase-glucoamylase, partial
S	50761773	PREDICTED: similar to MAM domain containing 2; MAM domain containing 1
S	50749054	PREDICTED: similar to MAPK/MAK/MRK overlapping kinase (MOK protein kin
S	50806476	PREDICTED: similar to mast cell surface antigen-1, partial
S	50751534	PREDICTED: similar to Mast2 protein
S	50759011	PREDICTED: similar to Matrilin-4 precursor
S	50758583	PREDICTED: similar to Matrix metalloproteinase-24 precursor (MMP-24) (
S	50759167	PREDICTED: similar to MEGF6
S	50761210	PREDICTED: similar to mel transforming oncogene; ras-associated protei
S	50776887	PREDICTED: similar to melanoma chondroitin sulfate proteoglycan, parti
S	50752749	PREDICTED: similar to melanoma-associated chondroitin sulfate proteogl
S	50750113	PREDICTED: similar to melanophilin
S	50760725	PREDICTED: similar to Membrane associated guanylate kinase-like protein
S	50759351	PREDICTED: similar to membrane metallo-endopeptidase-like 2; zinc meta
S	50748606	PREDICTED: similar to Membrane targeting (tandem) C2 domain containing
S	50771502	PREDICTED: similar to membrane-spanning proteoglycan NG2, partial
S	50753057	PREDICTED: similar to Mesoderm development candiate 2
S	50732445	PREDICTED: similar to Metalloprotease-disintegrin
S	50728216	PREDICTED: similar to metalloprotease-disintegrin protease
S	50746791	PREDICTED: similar to Methionine aminopeptidase 1 (MetAP 1) (MAP 1)
S	50750445	PREDICTED: similar to methionine aminopeptidase 1D; similar to methion
S	50751854	PREDICTED: similar to methylcrotonoyl-Coenzyme A carboxylase 2 (beta);
S	50752395	PREDICTED: similar to Methylcrotonyl-CoA carboxylase alpha chain, mito
S	50746295	PREDICTED: similar to methylmalonic aciduria type A
S	50740179	PREDICTED: similar to MGC27277 protein
S	50756405	PREDICTED: similar to MGC35140 protein
S	50756671	PREDICTED: similar to MGC4767 protein
S	50745537	PREDICTED: similar to MGC52743 protein
S	50761268	PREDICTED: similar to MGC53359 protein
S	50766953	PREDICTED: similar to MGC53562 protein
S	50809485	PREDICTED: similar to MGC53772 protein, partial
S	50760365	PREDICTED: similar to MGC64545 protein
S	50753813	PREDICTED: similar to MGC64570 protein

S	50746477	PREDICTED: similar to MGC68690 protein
S	50745278	PREDICTED: similar to MGC68696 protein
S	50760894	PREDICTED: similar to MGC68839 protein
S	50774500	PREDICTED: similar to MGC68968 protein
S	50759876	PREDICTED: similar to MGC69089 protein
S	50748752	PREDICTED: similar to MGC69118 protein
S	50730911	PREDICTED: similar to MGC75495 protein
S	50753095	PREDICTED: similar to MGC75581 protein
S	50787298	PREDICTED: similar to MHC class II antigen
S	50757065	PREDICTED: similar to MHC Rfp-Y class I alpha chain
S	50729357	PREDICTED: similar to Microfibrillar associated protein 5
S	50748442	PREDICTED: similar to mirror-image polydactyly 1; mirror-image polydac
S	50742549	PREDICTED: similar to Mitochondrial C1-tetrahydrofolate synthase
S	50749793	PREDICTED: similar to Mitochondrial glycerol 3-phosphate acyltransfera
S	50745429	PREDICTED: similar to Mitochondrial ribosomal protein L27 (L27mt)
S	50729402	PREDICTED: similar to Mitochondrial ribosomal protein L51
S	50756073	PREDICTED: similar to mitochondrial ribosomal protein S5; mitochondria
S	50746020	PREDICTED: similar to Mitochondrial solute carrier protein
S	50738310	PREDICTED: similar to Mitochondrial translational initiation factor 2
S	50742579	PREDICTED: similar to mitochondrial translational release factor 1-lik
S	50766235	PREDICTED: similar to mitogen-activated protein kinase kinase 1 interacting protein 1
S	50760598	PREDICTED: similar to mitogen-activated protein kinase kinase kinase 3
S	50750442	PREDICTED: similar to mixed lineage kinase-related kinase MRK-beta; mi
S	50758795	PREDICTED: similar to mKIAA0230 protein
S	50756619	PREDICTED: similar to mKIAA0376 protein
S	50784848	PREDICTED: similar to mKIAA0454 protein, partial [Gallus Gallus]
S	50731992	PREDICTED: similar to mKIAA0493 protein
S	50752026	PREDICTED: similar to mKIAA0617 protein
S	50746038	PREDICTED: similar to mKIAA0687 protein
S	50747124	PREDICTED: similar to MKIAA0746 protein
S	50748514	PREDICTED: similar to mKIAA0998 protein
S	50748314	PREDICTED: similar to mKIAA1200 protein
S	50758210	PREDICTED: similar to mKIAA1401 protein
S	50759113	PREDICTED: similar to mKIAA1626 protein
S	50804658	PREDICTED: similar to mKIAA1961 protein, partial
S	50746651	PREDICTED: similar to MLGP85/LIMP II
S	50765929	PREDICTED: similar to MII2 protein
S	50751554	PREDICTED: similar to MOB1, Mps One Binder kinase activator-like 2C
S	50736106	PREDICTED: similar to molybdenum cofactor sulfurase protein - human
S	50751602	PREDICTED: similar to Mothers against decapentaplegic homolog interact
S	50730245	PREDICTED: similar to motile sperm domain containing 2
S	50752837	PREDICTED: similar to M-phase phosphoprotein 10
S	50808495	PREDICTED: similar to Mrps34-prov protein

S	50758024	PREDICTED: similar to M-Septin
S	50747896	PREDICTED: similar to Mucin 2 precursor (Intestinal mucin 2)
S	50762244	PREDICTED: similar to Munc13-2 protein
S	50752916	PREDICTED: similar to Munc13-3
S	50734043	PREDICTED: similar to Muted protein homolog
S	50732924	PREDICTED: similar to MutL protein homolog 1; DNA mismatch repair prot
S	50761967	PREDICTED: similar to MutS homolog 3
S	50810261	PREDICTED: similar to MYC induced nuclear antigen
S	50767391	PREDICTED: similar to Myelin protein zero-like 1
S	50738942	PREDICTED: similar to myeloid ecotropic viral integration site-1
S	50758006	PREDICTED: similar to Myeloperoxidase precursor (MPO)
S	50728894	PREDICTED: similar to Myosin binding protein C
S	50751909	PREDICTED: similar to myosin-VIIb
S	50745898	PREDICTED: similar to myotubularin related protein 8
S	50759661	PREDICTED: similar to Na ⁺ /H ⁺ exchanger
S	50755083	PREDICTED: similar to Na ⁺ 稅顛 cotransporter
S	50728286	PREDICTED: similar to N-acetylglucosamine-6-sulfatase (G6S)
S	50751202	PREDICTED: similar to N-acetylneuraminate pyruvate lyase; dihydrodipic
S	50745878	PREDICTED: similar to NAD(P) dependent steroid dehydrogenase-like
S	50757530	PREDICTED: similar to NADPH dependent diflavin oxidoreductase 1; NADPH
S	50755673	PREDICTED: similar to NADPH oxidase organizer 1 isoform b; regulatory
S	50750069	PREDICTED: similar to Nck-associated protein 1 (NAP 1) (p125Nap1) (Mem
S	50746879	PREDICTED: similar to N-deacetylase/N-sulfotransferase
S	50753721	PREDICTED: similar to Nedd4-binding protein 1 (N4BP1)
S	50753938	PREDICTED: similar to Neighbor of COX4
S	50760643	PREDICTED: similar to N-ethylmaleimide sensitive fusion protein
S	50728514	PREDICTED: similar to Netrin 4
S	50749751	PREDICTED: similar to neuralized
S	50754885	PREDICTED: similar to neuralized homolog
S	50776820	PREDICTED: similar to Neuroblast differentiation associated protein AHNAK (Desmoyokin)
S	50750994	PREDICTED: similar to Neurogenic locus notch homolog protein 2 precurs
S	50761539	PREDICTED: similar to Neurolysin (metallopeptidase M3 family)
S	50786626	PREDICTED: similar to Neuron navigator 1
S	50728452	PREDICTED: similar to neuron navigator 3; pore membrane and/or filamen
S	50751810	PREDICTED: similar to neurotrophic factor artemin isoform 3, precursor
S	50748205	PREDICTED: similar to Neutral alpha glucosidase C type 2
S	50751418	PREDICTED: similar to nexilin isoform s
S	50758150	PREDICTED: similar to Nf2a
S	50761040	PREDICTED: similar to NFIL3/E4BP4 transcription factor
S	50728662	PREDICTED: similar to NHP2-like protein 1
S	50754037	PREDICTED: similar to Nin one binding protein
S	50761912	PREDICTED: similar to NipSnap3A protein (NipSnap4)
S	50729658	PREDICTED: similar to Nit protein 2

S	50750005	PREDICTED: similar to NK6 transcription factor related, locus 2
S	50752825	PREDICTED: similar to NMDA receptor-regulated gene 2
S	50747474	PREDICTED: similar to NN8-4AG
S	50750996	PREDICTED: similar to Notch 2
S	50738981	PREDICTED: similar to NPF/calponin-like protein
S	50745045	PREDICTED: similar to NSE1
S	50800960	PREDICTED: similar to Nuclear ATP/GTP-binding protein
S	50751522	PREDICTED: similar to Nuclear autoantigenic sperm protein (NASP)
S	50733652	PREDICTED: similar to Nuclear pore complex protein Nup153
S	50757301	PREDICTED: similar to Nuclear pore complex protein Nup214 (Nucleoporin
S	50758717	PREDICTED: similar to Nuclear receptor coactivator 3 (NCoA-3)
S	50740191	PREDICTED: similar to Nuclear valosin-containing protein-like (Nuclear
S	50747826	PREDICTED: similar to Nucleobindin 2
S	50762333	PREDICTED: similar to Nucleoporin 155kDa
S	50754113	PREDICTED: similar to Nucleostemin
S	50755369	PREDICTED: similar to Nucleotide binding protein 2 (NBP 2)
S	50755904	PREDICTED: similar to Nucleotide-binding protein 1 (NBP 1)
S	50794289	PREDICTED: similar to olfactory receptor Olr649
S	50731582	PREDICTED: similar to Omega-conotoxin receptor - Pacific electric ray
S	50752928	PREDICTED: similar to one cut domain, family member 1; Hepatocyte nucl
S	50752265	PREDICTED: similar to Optic atrophy 1
S	50730907	PREDICTED: similar to ORF
S	50731367	PREDICTED: similar to Organic anion transporting polypeptide 2b1
S	50799480	PREDICTED: similar to Ornithine--oxo-acid aminotransferase
S	50746361	PREDICTED: similar to Osmotic stress protein 94
S	50748950	PREDICTED: similar to osteonidogen
S	50752612	PREDICTED: similar to otolin-1
S	50785850	PREDICTED: similar to ovomacroglobulin, ovostatin
S	50732203	PREDICTED: similar to Oxidative-stress responsive 1
S	50759938	PREDICTED: similar to Oxidored-nitro domain-containing protein
S	50731557	PREDICTED: similar to oxysterol 7alpha-hydroxylase
S	50750387	PREDICTED: similar to Oxysterol binding protein-related protein 6 (OSB
S	50732784	PREDICTED: similar to oxysterol-binding protein-like protein 10; oxyst
S	50750714	PREDICTED: similar to Oxysterol-binding protein-like protein 11
S	50733028	PREDICTED: similar to Oxysterol-binding protein-like protein 3
S	50755701	PREDICTED: similar to p120E4F
S	50745958	PREDICTED: similar to P21-activated kinase 3
S	50761926	PREDICTED: similar to p53-binding protein-3
S	50806413	PREDICTED: similar to P64 isoform of N-Shc
S	50759161	PREDICTED: similar to P73 alpha protein
S	50732826	PREDICTED: similar to PalBH
S	50757197	PREDICTED: similar to Pancreatitis-induced protein 49
S	50759185	PREDICTED: similar to pantothenate kinase 4; hypothetical protein Fang
S	50732321	PREDICTED: similar to PAP associated domain containing 1
S	50745497	PREDICTED: similar to paraneoplastic antigen
S	50749140	PREDICTED: similar to PARG protein
S	50732299	PREDICTED: similar to partitioning-defective protein 3 homolog; atypic

S	50804880	PREDICTED: similar to pecanex homolog; pecanex-like 1, partial
S	50759337	PREDICTED: similar to peptidylarginine deiminase
S	50753081	PREDICTED: similar to perilipin
S	50728826	PREDICTED: similar to Periodic tryptophan protein 1 homolog
S	50730941	PREDICTED: similar to Periostin
S	50728212	PREDICTED: similar to periphilin 1
S	50750636	PREDICTED: similar to peroxisomal 2-enoyl-CoA reductase
S	50760770	PREDICTED: similar to Peroxisome proliferator-activated receptor binding protein
S	50732541	PREDICTED: similar to PHD finger protein 14
S	50734184	PREDICTED: similar to phenylalanine-tRNA synthetase
S	50734601	PREDICTED: similar to Phf7 protein
S	50758721	PREDICTED: similar to Phosphatidylinositol 3,4,5-trisphosphate-dependent Rac exchanger 1
S	50745519	PREDICTED: similar to phosphatidylinositol polyphosphate 5-phosphotase
S	50756539	PREDICTED: similar to Phosphatidylinositol transfer protein beta
S	50750357	PREDICTED: similar to Phosphatidylinositol-3-phosphate/phosphatidylinositol 5 kinase
S	50750393	PREDICTED: similar to Phosphodiesterase 11A
S	50747511	PREDICTED: similar to Phosphoglucomutase 2
S	50752436	PREDICTED: similar to Phosphoinositide 3-kinase catalytic subunit
S	50757639	PREDICTED: similar to Phosphoinositide-3-kinase, regulatory subunit
S	50733062	PREDICTED: similar to Phosphoinositide-3-kinase, regulatory subunit 4
S	50760285	PREDICTED: similar to Phosphoinositol 3-phosphate-binding protein-3
S	50740467	PREDICTED: similar to Phospholipase
S	50752231	PREDICTED: similar to Phospholipid scramblase 1
S	50730977	PREDICTED: similar to phosphonoformate immuno-associated protein 5
S	50757721	PREDICTED: similar to Phosphoribosyl pyrophosphate synthetase-associated protein 1
S	50755623	PREDICTED: similar to Phosphoribosyl pyrophosphate synthetase-associated protein 2
S	50794232	PREDICTED: similar to PICALM protein
S	50782499	PREDICTED: similar to PIK4CB protein
S	50758450	PREDICTED: similar to PITPNM family member 3
S	50747929	PREDICTED: similar to Placental ribonuclease inhibitor
S	50761246	PREDICTED: similar to plakophilin 1
S	50750850	PREDICTED: similar to Plakophilin 4
S	50754256	PREDICTED: similar to Plasma membrane calcium ATPase 2
S	50728414	PREDICTED: similar to Plasma membrane calcium-transporting ATPase 1
S	50760513	PREDICTED: similar to Plasma membrane calcium-transporting ATPase 4
S	50761083	PREDICTED: similar to plasticity-related protein PRG-2
S	50755043	PREDICTED: similar to platelet-derived growth factor receptor beta
S	50747904	PREDICTED: similar to Platelet-endothelial tetraspan antigen 3
S	50742546	PREDICTED: similar to Pleckstrin homology domain containing family G
S	50749885	PREDICTED: similar to pleckstrin homology domain containing, family A

S	50748962	PREDICTED: similar to pleckstrin homology domain containing, family C
S	50749226	PREDICTED: similar to pleckstrin homology domain containing, family K
S	50760566	PREDICTED: similar to pleckstrin homology domain containing, family M
S	50744782	PREDICTED: similar to pleckstrin homology domain interacting protein
S	50748294	PREDICTED: similar to pleckstrin homology domain protein (5V327)
S	50747860	PREDICTED: similar to pleckstrin homology-like domain family A member
S	50754409	PREDICTED: similar to plexin
S	50729336	PREDICTED: similar to plexin-A4
S	50750029	PREDICTED: similar to PMS1 protein homolog 1
S	50749362	PREDICTED: similar to Polymerase (RNA) III (DNA directed)
S	50794590	PREDICTED: similar to potassium channel, alpha subunit
S	50777182	PREDICTED: similar to potassium inwardly-rectifying channel J3
S	50745141	PREDICTED: similar to Potassium voltage-gated channel, subfamily F member 1
S	50761639	PREDICTED: similar to Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 1
S	50760385	PREDICTED: similar to Potentail helicase MOV-10
S	50754758	PREDICTED: similar to Potential phospholipid-transporting ATPase VB
S	50731609	PREDICTED: similar to PR domain containing 14
S	50746727	PREDICTED: similar to PR domain containing 5
S	50745860	PREDICTED: similar to Pregnancy-specific glycoprotein 21
S	50749466	PREDICTED: similar to Prepro bone inducing protein
S	50751941	PREDICTED: similar to presenilin associated, rhomboid-like
S	50740671	PREDICTED: similar to PRO1853 protein
S	50753914	PREDICTED: similar to Probable calcium-transporting ATPase KIAA0703
S	50795303	PREDICTED: similar to Probable cation-transporting ATPase 13A
S	50752261	PREDICTED: similar to Probable cation-transporting ATPase 3
S	50751240	PREDICTED: similar to Probable diphthine synthase
S	50755104	PREDICTED: similar to procollagen I N-proteinase
S	50753780	PREDICTED: similar to Programmed cell death protein 5
S	50736185	PREDICTED: similar to Programmed cell death protein 6
S	50806284	PREDICTED: similar to Prolactin-releasing peptide receptor
S	50729408	PREDICTED: similar to Proliferating-cell nucleolar antigen p120
S	50744640	PREDICTED: similar to Prolyl endopeptidase
S	50749699	PREDICTED: similar to prominin-like protein
S	50749522	PREDICTED: similar to Pro-neuregulin-3
S	50751953	PREDICTED: similar to Propionyl-CoA carboxylase beta chain
S	50730611	PREDICTED: similar to Propionyl-Coenzyme A carboxylase, alpha polypeptide
S	50757285	PREDICTED: similar to Prostaglandin G/H synthase 1
S	50761588	PREDICTED: similar to Prostaglandin receptor EP4
S	50733066	PREDICTED: similar to Prostatic acid phosphatase
S	50769084	PREDICTED: similar to Proteasome 26S non-ATPase subunit 2
S	50748430	PREDICTED: similar to Proteasome subunit alpha type 6 (Proteasome iota chain)
S	50759057	PREDICTED: similar to protective protein for beta-galactosidase

S	50749538	PREDICTED: similar to Protein C10orf11 homolog
S	50748490	PREDICTED: similar to Protein C14orf111 (CGI-35)
S	50748480	PREDICTED: similar to Protein C14orf115
S	50736558	PREDICTED: similar to Protein C18orf1
S	50758925	PREDICTED: similar to Protein C20orf45
S	50750163	PREDICTED: similar to Protein C21orf70 homolog
S	50740689	PREDICTED: similar to Protein CGI-27 (C21orf19-like protein)
S	50750688	PREDICTED: similar to Protein disulfide isomerase A5
S	50762078	PREDICTED: similar to Protein KIAA0020
S	50744988	PREDICTED: similar to Protein KIAA0711
S	50762415	PREDICTED: similar to protein kinase C inhibitor
S	50755717	PREDICTED: similar to Protein kinase C, beta type (PKC-beta)
S	50740446	PREDICTED: similar to Protein kinase C, epsilon type
S	50798069	PREDICTED: similar to Protein kinase C, theta
S	50771799	PREDICTED: similar to protein kinase C-theta
S	50758510	PREDICTED: similar to protein kinase related to Raf protein kinases
S	50754475	PREDICTED: similar to Protein kinase, cAMP-dependent
S	50755469	PREDICTED: similar to Protein kinase, cAMP-dependent, regulatory
S	50769978	PREDICTED: similar to Protein phosphatase 1, regulatory (inhibitor) subunit 3C
S	50728266	PREDICTED: similar to Protein phosphatase 1H (PP2C domain containing)
S	61098011	PREDICTED: similar to Protein tyrosine phosphatase, non-receptor type 7
S	50761732	PREDICTED: similar to Protein tyrosine phosphatase, receptor type, D
S	50761278	PREDICTED: similar to protein-tyrosine-phosphatase, receptor
S	50731420	PREDICTED: similar to Protocadherin 16
S	50730792	PREDICTED: similar to protocadherin 17
S	50772381	PREDICTED: similar to Protocadherin beta 15
S	50767258	PREDICTED: similar to protocadherin beta 20
S	50783907	PREDICTED: similar to protocadherin beta 22
S	50784380	PREDICTED: similar to Protocadherin beta 4
S	50754857	PREDICTED: similar to protocadherin gamma subfamily A, 9
S	50755152	PREDICTED: similar to Prp5-like DEAD-box protein
S	50736043	PREDICTED: similar to PSST739
S	50761791	PREDICTED: similar to PTAR1 protein
S	50771283	PREDICTED: similar to PTPRM protein
S	50751178	PREDICTED: similar to Putative alpha-mannosidase C1orf22
S	50747770	PREDICTED: similar to putative bHLH transcription factor
S	50731137	PREDICTED: similar to putative capacitative calcium entry channel
S	50755960	PREDICTED: similar to putative chloride channel protein CLC7
S	50808545	PREDICTED: similar to putative G-protein coupled receptor
S	50764066	PREDICTED: similar to Putative NFkB activating protein
S	50758907	PREDICTED: similar to putative porin
S	50762399	PREDICTED: similar to Putative repair and recombination helicase RAD26
S	50728784	PREDICTED: similar to PVAE354
S	50750011	PREDICTED: similar to Pyrroline-5-carboxylate synthetase
S	50731756	PREDICTED: similar to Pyruvate dehydrogenase phosphatase
S	50729578	PREDICTED: similar to queuine tRNA-ribosyltransferase domain containing 1

S	50750774	PREDICTED: similar to R3H domain (binds single-stranded nucleic acids)
S	50758941	PREDICTED: similar to Rab22a protein
S	50747208	PREDICTED: similar to Rab28 protein
S	50731203	PREDICTED: similar to RAB30
S	50746218	PREDICTED: similar to RAB33B, member RAS oncogene family
S	50757127	PREDICTED: similar to Rab6 GTPase activating protein, GAPCenA
S	50731391	PREDICTED: similar to RAB6A, member RAS oncogene family
S	50745646	PREDICTED: similar to RAB9B, member RAS oncogene family
S	50752952	PREDICTED: similar to rabconnectin-3
S	50728780	PREDICTED: similar to Rac2 protein
S	50757093	PREDICTED: similar to Ral guanine nucleotide exchange factor RalGPS1A
S	50742679	PREDICTED: similar to RalBP1 associated Eps domain containing protein
S	50756253	PREDICTED: similar to Ran-specific GTPase-activating protein
S	50732593	PREDICTED: similar to Rap guanine nucleotide exchange factor 5
S	50746665	PREDICTED: similar to Rap2 interacting protein x
S	50762344	PREDICTED: similar to rapamycin insensitive companion of mTOR
S	50728308	PREDICTED: similar to RAS related protein 1b
S	50755115	PREDICTED: similar to RASGEF1C protein
S	50753298	PREDICTED: similar to RASGRF1 protein
S	50802940	PREDICTED: similar to Ras-interacting protein 1
S	50754287	PREDICTED: similar to Ras-related protein Rab
S	50737376	PREDICTED: similar to Ras-related protein Rab-10
S	50742500	PREDICTED: similar to Ras-related protein Rab-32
S	50754381	PREDICTED: similar to Ras-related protein Rab-7
S	50758671	PREDICTED: similar to recombining binding protein L
S	50750958	PREDICTED: similar to Regulator of G-protein signaling 18 (RGS18)
S	50740761	PREDICTED: similar to regulator of G-protein signaling 7
S	50728834	PREDICTED: similar to regulatory factor X4
S	50740356	PREDICTED: similar to REST corepressor 3
S	50730893	PREDICTED: similar to ret finger protein 2
S	50762362	PREDICTED: similar to retina ubiquilin
S	50732992	PREDICTED: similar to Retina-derived POU-domain factor-1 (RPF-1)
S	50758553	PREDICTED: similar to Retinoblastoma-like protein 1
S	50731622	PREDICTED: similar to retinol dehydrogenase 10
S	50751796	PREDICTED: similar to retinol dehydrogenase 8 (all-trans)
S	50730430	PREDICTED: similar to REV1-like
S	50748259	PREDICTED: similar to Rho GTPase activating protein 1
S	50749691	PREDICTED: similar to Rho GTPase activating protein 19
S	50751929	PREDICTED: similar to Rho guanine nucleotide exchange factor 4
S	50745035	PREDICTED: similar to Rho-associated kinase
S	50759502	PREDICTED: similar to Rho-GTPase-activating protein 25
S	50755942	PREDICTED: similar to rhomboid family 1; epidermal growth factor receptor
S	50747083	PREDICTED: similar to Rho-related GTP-binding protein RhoH
S	50760785	PREDICTED: similar to Rho-related GTP-binding protein RhoN (Rho7)
S	50750724	PREDICTED: similar to rhysin 2; B-lymphoma- and BAL-associated protein
S	50753751	PREDICTED: similar to Ribonuclease P protein subunit p29 (hPOP4)

S	50749506	PREDICTED: similar to Ribonuclease P protein subunit p30
S	50807238	PREDICTED: similar to ribonucleoprotein
S	50749078	PREDICTED: similar to ribosomal protein S29
S	50740302	PREDICTED: similar to ribosomal protein S6 kinase, 52kDa, polypeptide
S	50745523	PREDICTED: similar to RIKEN cDNA 1200013B08
S	50754425	PREDICTED: similar to RIKEN cDNA 1200015A22
S	50759121	PREDICTED: similar to RIKEN cDNA 1300002F13
S	50728736	PREDICTED: similar to RIKEN cDNA 1300006C06
S	50746903	PREDICTED: similar to RIKEN cDNA 1500009M05
S	50744894	PREDICTED: similar to RIKEN cDNA 1700012H17
S	50755521	PREDICTED: similar to RIKEN cDNA 1700028P05
S	50750465	PREDICTED: similar to RIKEN cDNA 1700048E23
S	50760047	PREDICTED: similar to RIKEN cDNA 1810012I05
S	50751666	PREDICTED: similar to RIKEN cDNA 2010001O09
S	50759067	PREDICTED: similar to RIKEN cDNA 2010011I20
S	50758482	PREDICTED: similar to RIKEN cDNA 2010305C02
S	50756139	PREDICTED: similar to RIKEN cDNA 2210009G21
S	50746419	PREDICTED: similar to RIKEN cDNA 2310008M10
S	50747274	PREDICTED: similar to RIKEN cDNA 2310079F23
S	50761148	PREDICTED: similar to RIKEN cDNA 2410004L22
S	50731842	PREDICTED: similar to RIKEN cDNA 2610028F08
S	50760606	PREDICTED: similar to RIKEN cDNA 2610204L23
S	50751087	PREDICTED: similar to RIKEN cDNA 2610205E22
S	50800768	PREDICTED: similar to RIKEN cDNA 2810409H07
S	50755236	PREDICTED: similar to RIKEN cDNA 2900026H06
S	50794840	PREDICTED: similar to RIKEN cDNA 3100002P13
S	50746633	PREDICTED: similar to RIKEN cDNA 3110010F15
S	50747802	PREDICTED: similar to RIKEN cDNA 3830422K02
S	50757105	PREDICTED: similar to RIKEN cDNA 4432404J10
S	50739074	PREDICTED: similar to RIKEN cDNA 4632412N22
S	50750451	PREDICTED: similar to RIKEN cDNA 4833418A01
S	50761857	PREDICTED: similar to RIKEN cDNA 4930429M06
S	50806333	PREDICTED: similar to RIKEN cDNA 4930572I07
S	50761735	PREDICTED: similar to RIKEN cDNA 4933428I03
S	50756729	PREDICTED: similar to RIKEN cDNA 4933433C09
S	50755409	PREDICTED: similar to RIKEN cDNA 4933437K13
S	50755328	PREDICTED: similar to RIKEN cDNA 4933439B08
S	50752853	PREDICTED: similar to RIKEN cDNA 5430431G03
S	50747190	PREDICTED: similar to RIKEN cDNA 5730509K17
S	50744926	PREDICTED: similar to RIKEN cDNA 5730521E12
S	50759546	PREDICTED: similar to RIKEN cDNA 6330407G04
S	50757466	PREDICTED: similar to RIKEN cDNA 6330416G13
S	50754147	PREDICTED: similar to RIKEN cDNA 6430571L13
S	50731754	PREDICTED: similar to RIKEN cDNA 6720467C03
S	50732944	PREDICTED: similar to RIKEN cDNA 9530077C05
S	50757927	PREDICTED: similar to RIKEN cDNA 9930039A11
S	50729270	PREDICTED: similar to RIKEN cDNA A230035L05
S	50743067	PREDICTED: similar to RIKEN cDNA A330019N05
S	50755507	PREDICTED: similar to RIKEN cDNA A930017N06
S	50759353	PREDICTED: similar to RIKEN cDNA A930027K05

S	50740224	PREDICTED: similar to RIKEN cDNA A930039G15
S	50728224	PREDICTED: similar to RIKEN cDNA B930062P21
S	50756182	PREDICTED: similar to RIKEN cDNA C530046L02
S	50752783	PREDICTED: similar to RIKEN cDNA C630028N24
S	50754870	PREDICTED: similar to RIKEN cDNA D430044G18
S	50731881	PREDICTED: similar to RIKEN cDNA D530033C11
S	50753492	PREDICTED: similar to RIKEN cDNA E130303B06
S	50757390	PREDICTED: similar to RIKEN cDNA G430055L02
S	50755214	PREDICTED: similar to RING finger protein 14
S	50731564	PREDICTED: similar to ring finger protein 29
S	50747444	PREDICTED: similar to RING finger protein 37
S	50734055	PREDICTED: similar to RIO kinase 1
S	50736564	PREDICTED: similar to RNA (guanine-7-) methyltransferase
S	50755025	PREDICTED: similar to RNA binding motif protein 22
S	50756081	PREDICTED: similar to RNA polymerase I polypeptide B
S	50757259	PREDICTED: similar to RNA polymerase I transcription termination factor 1
S	50758995	PREDICTED: similar to RNA-binding region containing protein 2
S	50729836	PREDICTED: similar to Roundabout homolog 1
S	50758512	PREDICTED: similar to ROX protein
S	50755071	PREDICTED: similar to RUN and FYVE domain-containing 1
S	50729168	PREDICTED: similar to SAM50-like protein CGI-51
S	50744978	PREDICTED: similar to Sam68-like mammalian protein 1
S	50751308	PREDICTED: similar to sarcoma antigen NY-SAR-41
S	50750379	PREDICTED: similar to SEC14 and spectrin domains 1
S	50747482	PREDICTED: similar to Sec15l2 protein
S	50756053	PREDICTED: similar to SEC8L1 protein
S	50751885	PREDICTED: similar to selenocysteine lyase SCLY
S	50761633	PREDICTED: similar to Selenoprotein P
S	50752961	PREDICTED: similar to semaphorin 6D
S	50734145	PREDICTED: similar to Serine (or cysteine) proteinase inhibitor
S	50757370	PREDICTED: similar to serine/threonine kinase 7
S	50750866	PREDICTED: similar to Serine/threonine-protein kinase 16
S	50730623	PREDICTED: similar to Serine/threonine-protein kinase 24
S	50746200	PREDICTED: similar to Serine/threonine-protein kinase Nek1
S	50747692	PREDICTED: similar to Serine/threonine-protein kinase PAK 6
S	50730334	PREDICTED: similar to Serine/threonine-protein kinase PRKX
S	50760807	PREDICTED: similar to Serine/threonine-protein kinase WNK4
S	50749504	PREDICTED: similar to serotonin 5-hydroxytryptamine 7-a receptor
S	50750188	PREDICTED: similar to Serum deprivation response protein
S	50755312	PREDICTED: similar to SET-binding protein (SEB)
S	50745310	PREDICTED: similar to seven transmembrane helix receptor
S	50795096	PREDICTED: similar to seven-pass transmembrane receptor
S	50747736	PREDICTED: similar to SH2 domain binding protein 1
S	50746343	PREDICTED: similar to SH2 domain containing 4A
S	50749524	PREDICTED: similar to SH2 domain containing 4B
S	50792362	PREDICTED: similar to SH2 domain containing SOCS box protein SOCS7
S	50806662	PREDICTED: similar to SH3/ankyrin domain gene 3
S	50800696	PREDICTED: similar to Sh3bp1 protein
S	50746228	PREDICTED: similar to Short coiled-coil protein

S	50755174	PREDICTED: similar to Short transient receptor potential channel 7
S	50732758	PREDICTED: similar to shugoshin-like 1
S	50731139	PREDICTED: similar to Sl:bZ1P14.10 (novel protein similar to human oligophrenin 1 (OPHN1))
S	50753723	PREDICTED: similar to SIAH1 protein
S	50754927	PREDICTED: similar to Sideroflexin 1
S	50748422	PREDICTED: similar to Signal recognition particle 54kDa
S	50759995	PREDICTED: similar to Signal recognition particle receptor
S	61098368	PREDICTED: similar to signal transducer and activator of transcription 4
S	50756683	PREDICTED: similar to Sirt4 protein
S	50729474	PREDICTED: similar to skeletal muscle chloride channel ClC-1
S	50753443	PREDICTED: similar to SLC7A6 protein
S	50730657	PREDICTED: similar to slit and trk like 6
S	50747156	PREDICTED: similar to Slit homolog 2 protein
S	50764678	PREDICTED: similar to slow myosin heavy chain 3
S	50761537	PREDICTED: similar to small glutamine-rich tetratricopeptide repeat
S	50755045	PREDICTED: similar to SMF protein
S	50731045	PREDICTED: similar to Smhs2 homolog
S	50731660	PREDICTED: similar to Snf7 homologue associated with Alix 3
S	50747568	PREDICTED: similar to Sodium- and chloride-dependent glycine transporter
S	50760568	PREDICTED: similar to Sodium channel alpha subunit
S	50732219	PREDICTED: similar to Sodium channel protein type III alpha subunit
S	50732629	PREDICTED: similar to Sodium channel, voltage-gated, type IV
S	50730464	PREDICTED: similar to Sodium/hydrogen exchanger 4
S	50729947	PREDICTED: similar to Sodium/myo-inositol cotransporter
S	50756071	PREDICTED: similar to Sodium-calcium exchanger
S	50800658	PREDICTED: similar to Soluble adenylyl cyclase
S	50752343	PREDICTED: similar to Solute carrier family 12 (potassium/chloride transporter)
S	50753599	PREDICTED: similar to Solute carrier family 12 (sodium/chloride transporter)
S	50761390	PREDICTED: similar to Solute carrier family 12 member 2
S	50750880	PREDICTED: similar to solute carrier family 15
S	50756297	PREDICTED: similar to solute carrier family 15, member 4
S	50760393	PREDICTED: similar to Solute carrier family 16 member 1
S	50729078	PREDICTED: similar to Solute carrier family 21 member 14
S	50732207	PREDICTED: similar to Solute carrier family 22
S	50741737	PREDICTED: similar to solute carrier family 22 member 3
S	50745529	PREDICTED: similar to solute carrier family 25, member 14
S	50751734	PREDICTED: similar to Solute carrier family 35, member D1
S	50748874	PREDICTED: similar to solute carrier family 35, member F3
S	50732397	PREDICTED: similar to solute carrier family 39 (zinc transporter)
S	50732774	PREDICTED: similar to solute carrier family 4, sodium bicarbonate cotransporter member 7
S	50754260	PREDICTED: similar to solute carrier family 6
S	50738634	PREDICTED: similar to Somatostatin receptor type 4 (SS4R)
S	50750710	PREDICTED: similar to Sorting nexin 4
S	50751270	PREDICTED: similar to Sorting nexin 7
S	50755513	PREDICTED: similar to Sorting nexin 8
S	50756749	PREDICTED: similar to SOS response Ada system protein

S	50754971	PREDICTED: similar to Sox-30
S	50745409	PREDICTED: similar to Spag9 protein
S	50752707	PREDICTED: similar to SPC18 protein
S	50760341	PREDICTED: similar to specifically androgen-regulated protein
S	50738496	PREDICTED: similar to Spectrin beta chain, brain 1 (Spectrin, non-erythroid beta chain 1)
S	50731783	PREDICTED: similar to sperm associated antigen 1
S	50761306	PREDICTED: similar to Sphingomyelin phosphodiesterase 2
S	50759633	PREDICTED: similar to Sphingomyelin phosphodiesterase, acid-like 3B
S	50761100	PREDICTED: similar to splicing factor, arginine/serine-rich 14
S	50748304	PREDICTED: similar to Splicing factor, arginine/serine-rich 5
S	50749530	PREDICTED: similar to Sprn protein
S	50748362	PREDICTED: similar to Sprouty-related protein with EVH-1 domain 1
S	50738948	PREDICTED: similar to sprouty-related protein with EVH-1 domain 2
S	50732115	PREDICTED: similar to SREBP cleavage activating protein
S	50761258	PREDICTED: similar to Steerin1 protein
S	50740421	PREDICTED: similar to sterolin 1; ATP-binding cassette, subfamily G, member 5
S	50730322	PREDICTED: similar to Steryl-sulfatase
S	50761765	PREDICTED: similar to STM7
S	50737124	PREDICTED: similar to sudD suppressor of bimD6 homolog
S	50744792	PREDICTED: similar to SUMO1/sentrin specific protease 6
S	50732315	PREDICTED: similar to Supervillin
S	50737598	PREDICTED: similar to suppression of tumorigenicity 18
S	50748898	PREDICTED: similar to Suppressor of cytokine signaling 4
S	50800591	PREDICTED: similar to Suppressor of Ty 5 homolog
S	50749302	PREDICTED: similar to suppressor of var1, 3-like 1
S	50734160	PREDICTED: similar to Suprachiasmatic nucleus circadian oscillatory
S	50749781	PREDICTED: similar to Survival of motor neuron-related splicing factor
S	50762021	PREDICTED: similar to sushi domain containing 1
S	50750628	PREDICTED: similar to SWI/SNF-related matrix-associated actin-dependent regulator of chromatin a-like 1
S	50732111	PREDICTED: similar to SWI/SNF-related matrix-associated actin-dependent regulator of chromatin c1
S	50792314	PREDICTED: similar to SWI/SNF-related matrix-associated actin-dependent regulator of chromatin d3
S	50758739	PREDICTED: similar to Synaptonemal complex protein 2
S	50756211	PREDICTED: similar to Synaptosomal-associated protein 29
S	50748814	PREDICTED: similar to synaptotagmin 16
S	50760543	PREDICTED: similar to synaptotagmin VI
S	50748089	PREDICTED: similar to Synaptotagmin XIII
S	50745073	PREDICTED: similar to Syndecan-1
S	50748211	PREDICTED: similar to Syndet
S	50806309	PREDICTED: similar to Synphilin 1
S	50741785	PREDICTED: similar to Syntaxin 11
S	50737157	PREDICTED: similar to SYT variant 1
S	50806572	PREDICTED: similar to T cell receptor alpha
S	50744690	PREDICTED: similar to TAK1
S	50751566	PREDICTED: similar to TAL1 (SCL) interrupting locus
S	50752819	PREDICTED: similar to Talin 2

S	50728278	PREDICTED: similar to TANK-binding kinase 1; NF-kB-activating kinase
S	50796020	PREDICTED: similar to TBC1 domain family member 1
S	50728344	PREDICTED: similar to TBC1 domain family, member 15
S	50749615	PREDICTED: similar to TBP-associated factor 172
S	50775723	PREDICTED: similar to T-cell receptor alpha chain V domain 1
S	50729485	PREDICTED: similar to T-cell receptor beta
S	50730346	PREDICTED: similar to T-cell surface glycoprotein E2
S	50755244	PREDICTED: similar to Tcf-3 co-repressor CtBP
S	50747490	PREDICTED: similar to T-complex protein 1, eta subunit
S	50742627	PREDICTED: similar to t-complex testis expressed 1
S	50759770	PREDICTED: similar to tektin 2
S	50738601	PREDICTED: similar to testis intracellular mediator protein
S	50749154	PREDICTED: similar to Tetraspanin similar to TM4SF9
S	50748070	PREDICTED: similar to Tetratricopeptide repeat domain 17
S	50762378	PREDICTED: similar to the gene is expressed protein retains C2H2 zinc-finger at its N-terminal region
S	50751606	PREDICTED: similar to The KIAA0191 gene is expressed ubiquitously
S	50745998	PREDICTED: similar to THO complex subunit 2 (Tho2)
S	50795759	PREDICTED: similar to Thrap4 protein
S	50751444	PREDICTED: similar to thrombopoietin receptor
S	50741479	PREDICTED: similar to thrombospondin
S	50730917	PREDICTED: similar to thrombospondin type I domain-containing 1
S	50743043	PREDICTED: similar to thrombospondin; thrombospondin-like gene
S	50748610	PREDICTED: similar to thyroid hormone receptor interactor 11
S	50751988	PREDICTED: similar to Thyroid receptor interacting protein 12 (TRIP12)
S	50760938	PREDICTED: similar to tight junction protein 3 (zona occludens 3)
S	50740596	PREDICTED: similar to TJP4 protein
S	50757161	PREDICTED: similar to TNF receptor-associated factor 1
S	50757783	PREDICTED: similar to TOM1L1 protein
S	50731808	PREDICTED: similar to topoisomerase I binding, arginine/serine-rich
S	50757327	PREDICTED: similar to Torsin A
S	50731039	PREDICTED: similar to TRADEbeta
S	50730508	PREDICTED: similar to Transcription factor
S	50755940	PREDICTED: similar to Transcription factor (TFIIIC) alpha chain
S	50745334	PREDICTED: similar to Transcription factor AP-2 beta-like 1
S	50751978	PREDICTED: similar to Transcription factor Dp-2
S	50771325	PREDICTED: similar to Transcription factor E2F2 (E2F-2)
S	50760489	PREDICTED: similar to transcription factor EB
S	50740692	PREDICTED: similar to transcription factor ELYS
S	50748030	PREDICTED: similar to transcription factor ESE-3A
S	50747067	PREDICTED: similar to transcription factor IIE:SUBUNIT=large 56kD
S	50733080	PREDICTED: similar to transcription factor LBP-1b
S	50747165	PREDICTED: similar to transcription factor MLR1
S	50751350	PREDICTED: similar to Transcription initiation factor IIB
S	50728828	PREDICTED: similar to Transcription termination factor-like protein
S	50758394	PREDICTED: similar to Transcriptional adapter 2-like
S	50745936	PREDICTED: similar to transcriptional regulator ATRX
S	50757751	PREDICTED: similar to Transcriptional regulator protein
S	50758733	PREDICTED: similar to transglutaminase y

S	50747866	PREDICTED: similar to transient receptor potential cation channel, subfamily M, member 5
S	50753109	PREDICTED: similar to transient receptor potential cation channel, subfamily M, member 7
S	50750125	PREDICTED: similar to Transient receptor potential subfamily M member 8
S	50751496	PREDICTED: similar to Translation initiation factor eIF-2B gamma subunit
S	50729660	PREDICTED: similar to Translocase of outer mitochondrial membrane 70
S	50731145	PREDICTED: similar to Translokoin
S	50745796	PREDICTED: similar to Transmembrane 4 superfamily member 6
S	50747902	PREDICTED: similar to Transmembrane 4 superfamily member 7
S	50755856	PREDICTED: similar to transmembrane channel-like 7
S	50728232	PREDICTED: similar to Transmembrane protein 16F
S	50761779	PREDICTED: similar to transmembrane protein 2
S	50750216	PREDICTED: similar to transmembrane protein with EGF-like and two follistatin-like domains 2
S	50732291	PREDICTED: similar to transmembrane receptor
S	50732345	PREDICTED: similar to trans-prenyltransferase; polyprenyl pyrophosphatase
S	50731875	PREDICTED: similar to TRAP/Mediator complex component TRAP25
S	50759013	PREDICTED: similar to Trappin-6
S	50755553	PREDICTED: similar to TRIAD3 protein
S	50783355	PREDICTED: similar to trichohyalin
S	50741500	PREDICTED: similar to TRIM9-like protein TNL
S	50728764	PREDICTED: similar to TRIO and F-actin binding protein
S	50761874	PREDICTED: similar to tripartite motif protein TRIM14
S	50756861	PREDICTED: similar to tripartite motif-containing 39
S	50729668	PREDICTED: similar to Trk-fused gene
S	50749833	PREDICTED: similar to TruB pseudouridine (psi) synthase homolog 1
S	50744772	PREDICTED: similar to TTK protein kinase
S	50742621	PREDICTED: similar to tubby super-family protein
S	50729150	PREDICTED: similar to tubulin tyrosine ligase-like family, member 1
S	50749254	PREDICTED: similar to Tubulin, gamma complex associated protein 2
S	50730788	PREDICTED: similar to tudor domain containing 3
S	50759550	PREDICTED: similar to tumor endothelial marker 8
S	50744912	PREDICTED: similar to tumor suppressing subtransferable candidate 1
S	50754535	PREDICTED: similar to type VII collagen
S	50809985	PREDICTED: similar to Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase
S	50728482	PREDICTED: similar to Ube2n protein
S	50755361	PREDICTED: similar to ubinuclein
S	50757289	PREDICTED: similar to Ubiquitin associated domain containing 1
S	50731231	PREDICTED: similar to Ubiquitin carboxyl-terminal hydrolase 12
S	50755437	PREDICTED: similar to Ubiquitin carboxyl-terminal hydrolase 42
S	50729434	PREDICTED: similar to Ubiquitin carboxyl-terminal hydrolase 5
S	50753009	PREDICTED: similar to Ubiquitin carboxyl-terminal hydrolase 8
S	50755162	PREDICTED: similar to ubiquitin conjugating enzyme
S	50756263	PREDICTED: similar to Ubiquitin ligase protein CHFR
S	50746275	PREDICTED: similar to ubiquitin specific protease 38

S	50749400	PREDICTED: similar to Ubiquitin specific protease 54
S	50753827	PREDICTED: similar to Ubiquitin-like 2 activating enzyme E1B
S	50730995	PREDICTED: similar to ubiquitin-like 3
S	50729852	PREDICTED: similar to ubiquitin-specific protease
S	50730081	PREDICTED: similar to ubiquitously transcribed tetratricopeptide repeat
S	50750565	PREDICTED: similar to UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase
S	50746232	PREDICTED: similar to UDP-GlcNAc:a-1,3-D -mannoside b-1,4-N-Acetylglucosaminyltransferase IV
S	50730633	PREDICTED: similar to UDP-glucose:glycoprotein glucosyltransferase 2
S	50759967	PREDICTED: similar to UDP-N-acetylglucosamine--dolichyl-phosphate N-acetylglucosaminophosphotransferase
S	50755475	PREDICTED: similar to unc-84 homolog A
S	50756504	PREDICTED: similar to unconventional myosin Myr2 I heavy chain
S	50729050	PREDICTED: similar to UNR-interacting protein
S	50753077	PREDICTED: similar to UPF0258 protein KIAA1024
S	50731521	PREDICTED: similar to UPF2 regulator of nonsense transcripts homolog
S	50730498	PREDICTED: similar to UPF3 regulator of nonsense transcripts homolog A
S	50750846	PREDICTED: similar to Upp2 protein
S	50740287	PREDICTED: similar to usherin
S	50731529	PREDICTED: similar to USP6NL protein
S	50731482	PREDICTED: similar to UV radiation resistance-associated gene protein
S	50761808	PREDICTED: similar to vacuolar protein sorting 13A
S	50752821	PREDICTED: similar to Vacuolar protein sorting 13C protein
S	50773286	PREDICTED: similar to vacuolar protein sorting 45A
S	50748155	PREDICTED: similar to vacuolar protein sorting protein 18
S	50746523	PREDICTED: similar to Vesicle docking protein p115
S	50750992	PREDICTED: similar to Vesicle trafficking protein sec22b
S	50748392	PREDICTED: similar to vesicle transport-related protein
S	50759129	PREDICTED: similar to Vesicle-associated membrane protein 3
S	50773614	PREDICTED: similar to Vesicular integral-membrane protein VIP36
S	50740649	PREDICTED: similar to vitrin
S	50729262	PREDICTED: similar to voltage-dependent calcium channel gamma-2 subunit
S	50732221	PREDICTED: similar to Voltage-gated sodium channel
S	50731308	PREDICTED: similar to von Willebrand factor
S	50759223	PREDICTED: similar to Von Willebrand factor A-domain containing 1
S	50732123	PREDICTED: similar to Water channel protein CHIP29
S	50754638	PREDICTED: similar to WD repeat domain 10
S	50745069	PREDICTED: similar to WD repeat domain 35
S	50747214	PREDICTED: similar to WDR1 protein
S	50794621	PREDICTED: similar to WD-repeat containing protein Ciao 1
S	50728422	PREDICTED: similar to WNT16 protein
S	50757737	PREDICTED: similar to WW domain binding protein 2
S	50730190	PREDICTED: similar to X-linked interleukin-1 receptor accessory protein
S	50738244	PREDICTED: similar to Xpo1 protein

S	50732227	PREDICTED: similar to Xylulokinase homolog
S	50749564	PREDICTED: similar to Zgc:63680
S	50728914	PREDICTED: similar to zinc finger CCCH type domain containing 1
S	50793154	PREDICTED: similar to Zinc finger protein 180
S	50801276	PREDICTED: similar to Zinc finger protein 217
S	50760240	PREDICTED: similar to zinc finger protein 259
S	50729889	PREDICTED: similar to Zinc finger protein 294
S	50762410	PREDICTED: similar to zinc finger protein 367
S	50800076	PREDICTED: similar to Zinc finger protein 502
S	50750377	PREDICTED: similar to zinc finger protein 533
S	50759072	PREDICTED: similar to zinc finger protein 64
S	50747964	PREDICTED: similar to zinc finger protein 91
S	50753113	PREDICTED: similar to Zinc finger protein basonuclin 1
S	50794773	PREDICTED: similar to zinc finger protein Cezanne
S	50759647	PREDICTED: similar to Zinc finger protein Rlf
S	50731836	PREDICTED: similar to Zinc finger protein ZFPM2
S	50731887	PREDICTED: similar to Zinc finger transcription factor Trps1
S	50732816	PREDICTED: similar to zinc finger/RING finger 2
S	50732012	PREDICTED: similar to Zinc fingers and homeoboxes protein 2
S	50761551	PREDICTED: similar to zinc transporter ZTL1; zinc transporter 5
S	50806502	PREDICTED: similar to Zn-binding protein
S	50729454	PREDICTED: similar to Zyxin
S	50758166	PREDICTED: vitamin K epoxide reductase complex, subunit 1-like 1
S	26453322	Prepro-orexin
S	4521320	product is unknown
S	1362727	Progesterone receptor-related protein p23
S	38680349	programmed cell death 2
S	6224674	Prosaposin
S	12229895	Proteasome subunit alpha type 1 (Proteasome component C2)
S	631021	Protein p120
S	510511	Protein tyrosine phosphatase lamda
S	479367	Protein-tyrosine kinase (EC 2.7.1.112) fyn
S	46048665	protein-tyrosine phosphatase
S	6093855	Protein-tyrosine phosphatase gamma
S	7435157	Protein-tyrosine-phosphatase (EC 3.1.3.48)
S	45382319	putative phosphatase
S	27374950	Putative protein-O-fucosyltransferase
S	1905887	Putative recombination factor GdRad54
S	47087155	RBJ protein
S	23503565	RECQL1 protein
S	30314556	Retina filamin
S	45382689	retinovin
S	45384294	RGD-CAP
S	45383157	RGS9-1 anchoring protein R9AP
S	10178874	RhoA GTPase
S	1321818	RING zinc finger protein
S	18203380	RX1_CHICK Retinal homeobox protein Rx1 (cRax1)
S	542703	S39539 osteonectin - CHICKen
S	114305	Sarcoplasmic/endoplasmic reticulum calcium ATPase 1 (Calcium pump 1)
S	33112052	shaker subfamily potassium channel Kv1.5 alpha subunit

S	18032120	Shal-like voltage-gated potassium channel
S	57530200	similar to cytosolic ovarian carcinoma antigen 1 isoform b; APK1 an
S	57529951	similar to Eukaryotic translation initiation factor 2B beta
S	45383520	sin3-associated polypeptide, 18kDa
S	15281509	Slit1 protein
S	48374049	Small heat shock protein B2
S	2967678	Smooth muscle gamma actin
S	45384076	Snail like protein
S	14330322	Sodium potassium ATPase Alpha subunit
S	18652863	Soluble vascular endothelial growth factor receptor-1
S	12654193	Splicing factor, arginine/serine-rich 3
S	45383572	SRY (SOX9)
S	509840	Stem cell antigen 2
S	45382719	steroidogenic acute regulatory protein
S	14009269	sterol regulatory element binding protein 1 (SREBF1)
S	3660382	Stigmatellin And Antimycin Bound Cytochrome Bc1 Complex From Chicken
S	2507401	Superoxide dismutase
S	1174544	Synaptotagmin I (Sytl) (p65)
S	46090787	syndecan-2
S	401094	TAGL_CHICK Transgelin (Smooth muscle protein 22-alpha) (SM22-alpha)
S	45383824	T-box 20
S	104643	Tenascin
S	21518633	Testis-specific receptor 2-like protein TRR
S	12053819	Tetranectin
S	7110510	TGF-beta signal pathway antagonist Smad7
S	135767	Thioredoxin
S	47604946	Thymosin beta 4
S	2148922	tissue transglutaminase
S	28394234	Toll-like receptor 4
S	1915894	Tom-1B protein
S	38605959	TPA: RTN3w
S	45383171	transcription factor Crx
S	45382813	Transcription factor Gbx-1
S	45384250	transcription factor RREB-1
S	18158212	transcription factor RUNX2
S	63807	Transferrin receptor
S	1279431	transitin
S	53139482	transporter associated with antigen processing 2
S	136089	Tropomyosin beta chain (Tropomyosin 2)
S	45382413	Tropomyosin receptor kinase
S	7428542	TVCHM transforming protein myb, splice form containing exon 9A - CHICKen
S	68978	TVTK transforming protein rel
S	1130678	Tyrosine kinase receptor, c-met
S	13235100	U2snRNP auxiliary factor small subunit [Gallus Gallus]
S	48976121	Ubiquitin activating enzyme-like
S	6322035	Ubiquitin-specific protease that cleaves ubiquitin-protein fusions
S	63606	Unnamed protein product
S	63745	unnamed protein product

S	8250206	vacuolar H(-)-transporting ATPase 116 kDa subunit,
S	19879572	Vanilloid receptor-like protein
S	609266	very low density lipoprotein (VLDL)/vitellogenin receptor
S	51338699	Visinin-like protein 1 (OZ1)
S	1922282	vitronectin
S	13786880	W Chain W, Cryo-Em Structure Of The Heavy Meromyosin
S	1245762	Wnt-4=proto-oncogene product/central nervous system developmental factor
S	50806256	PREDICTED: similar to disintegrin and metalloprotease domain 32
B	50806260	PREDICTED: similar to ADAM 18 precursor (A disintegrin and metalloprot
S	50806266	PREDICTED: similar to Gcp16 protein
S	50806272	PREDICTED: similar to Histone acetyltransferase 3 MYST
B	50806278	PREDICTED: similar to Inhibitor of nuclear factor kappa B kinase beta
BS	50806280	PREDICTED: similar to voltage-dependent anion channel [Gallus Gallus]
S	50806284	PREDICTED: similar to Prolactin-releasing peptide receptor
B	50806288	PREDICTED: similar to Transforming acidic coiled-coil-containing protein
S	50806307	PREDICTED: similar to Hypothetical protein FLJ25286
S	50806309	PREDICTED: similar to Synphilin 1 (Alpha-synuclein interacting protein
B	50806317	PREDICTED: similar to PR-domain zinc finger protein 6
B	50806325	PREDICTED: similar to expressed sequence AA959934
S	50806333	PREDICTED: similar to RIKEN cDNA 4930572I07 gene
B	50806339	PREDICTED: similar to RNA (guanine-9-) methyltransferase domain contai
B	50806382	PREDICTED: similar to tripartite motif protein 36; zinc-binding protei
S	50806384	PREDICTED: similar to Antiquitin
B	50806409	PREDICTED: similar to semaphorin 4D; sema domain, immunoglobulin domai
S	50806413	PREDICTED: similar to P64 isoform of N-Shc
S	50806436	PREDICTED: similar to deleted in malignant brain tumors 1 isoform b pr
S	50806452	PREDICTED: similar to butyrophilin, subfamily 2, member A1 isoform 1 p
B	50806458	PREDICTED: similar to butyrophilin
S	50806476	PREDICTED: similar to mast cell surface antigen-1, partial
S	50806502	PREDICTED: similar to Zn-binding protein, partial
S	50806560	PREDICTED: similar to feather keratin
S	50806572	PREDICTED: similar to T cell receptor alpha, partial
BS	50806584	PREDICTED: similar to 4933427L07Rik protein
S	50806586	PREDICTED: hypothetical protein XP_424453
B	50806588	PREDICTED: similar to 60S ribosomal protein L17 (L23) (Amino acid star
BS	50806592	PREDICTED: similar to acetyl-Coenzyme A acyltransferase 2
BS	50806596	PREDICTED: similar to ERGIC-53 protein
S	50806604	PREDICTED: similar to heart alpha-kinase
B	50806612	PREDICTED: alpha-2,8-sialyltransferase 8C
B	50806635	PREDICTED: similar to RIKEN cDNA 1200016B10
BS	50806637	PREDICTED: similar to mKIAA0850 protein
BS	50806658	PREDICTED: similar to cortactin

BS	50806660	PREDICTED: similar to Golgi autoantigen, golgin subfamily B member 1 (
S	50806662	PREDICTED: similar to SH3/ankyrin domain gene 3
S	50806687	PREDICTED: similar to KIAA1463 protein
B	50806695	PREDICTED: similar to epithelial protein lost in neoplasm alpha
B	50806707	PREDICTED: similar to Rac GTPase activating protein 1
S	50806709	PREDICTED: similar to histone deacetylase 7A isoform a
S	50806742	PREDICTED: similar to Aqp3 protein
S	50806767	PREDICTED: similar to Krt8-prov protein
S	50806773	PREDICTED: similar to type II keratin K6h
S	50806777	PREDICTED: similar to keratin 6 irs3
S	50806785	PREDICTED: similar to Aquaporin 5
BS	50806810	PREDICTED: similar to Coatomer protein complex subunit alpha
BS	50806838	PREDICTED: similar to tumor-related protein
S	50806846	PREDICTED: similar to beta-keratin
B	50806922	PREDICTED: similar to Exportin 7 (Ran-binding protein 16)
B	50806924	PREDICTED: similar to pH sensitive maxi K channel
B	50806945	PREDICTED: similar to Cofactor required for Sp1 transcriptional activator
B	50806949	PREDICTED: similar to ectonucleotide pyrophosphatase/phosphodiesterase
BS	50806953	PREDICTED: similar to Syntaxin 7
S	50807011	PREDICTED: similar to Gamma-butyrobetaine 2-oxoglutarate dioxygenase
BS	50807115	PREDICTED: similar to beige protein homolog; Lysosomal trafficking reg
S	50807238	PREDICTED: similar to ribonucleoprotein, partial
S	50807536	PREDICTED: similar to betaIV-spectrin sigma1, partial
B	50807555	PREDICTED: hypothetical protein XP_428918, partial
BS	50807613	PREDICTED: similar to mKIAA1062 protein, partial
S	50807753	PREDICTED: similar to hypothetical Ypt/Rab-GAP domain of gyp1p structu
B	50807853	PREDICTED: similar to KIAA1530 protein
B	50807944	PREDICTED: similar to Hypothetical protein FLJ12875, partial
B	50807981	PREDICTED: similar to Zipper protein
B	50808104	PREDICTED: similar to Rho GTPase-activating protein
S	50808198	PREDICTED: similar to Protein KIAA0179, partial
BS	50808293	PREDICTED: similar to G protein-coupled receptor 142
B	50808493	PREDICTED: similar to mitogen-activated protein kinase 8 interacting p
S	50808495	PREDICTED: similar to Mrps34-prov protein
S	50808499	PREDICTED: hypothetical protein XP_430466
S	50808511	PREDICTED: similar to esophageal cancer associated protein
S	50808517	PREDICTED: similar to Hypothetical protein MGC75804
S	50808529	PREDICTED: similar to axonemal heavy chain dynein type 3
BS	50808539	PREDICTED: similar to Ubiquinol-cytochrome C reductase complex core protein
S	50808545	PREDICTED: similar to putative G-protein coupled receptor
B	50808715	PREDICTED: similar to olfactory receptor Olfr115, partial
B	50809093	PREDICTED: similar to riboflavin kinase; flavokinase; ATP:riboflavin 5
B	50809216	PREDICTED: similar to Spectrin beta chain, brain 2 (Spectrin, non-eryt
S	50809267	PREDICTED: similar to HECT domain containing 2, partial

B	50809359	PREDICTED: similar to piwi-like 2; Miwi like, partial
S	50809359	PREDICTED: similar to piwi-like 2; Miwi like, partial
S	50809395	PREDICTED: hypothetical protein XP_430470
S	50809485	PREDICTED: similar to MGC53772 protein, partial
S	50809777	PREDICTED: similar to deleted in malignant brain tumors 1 isoform c pr
S	50809985	PREDICTED: similar to Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase
B	50810188	PREDICTED: similar to lysyl oxidase-related protein C, partial
B	50810224	PREDICTED: similar to glucagon receptor precursor, partial
S	50810230	PREDICTED: similar to fukutin-related protein, partial
S	50810261	PREDICTED: similar to MYC induced nuclear antigen
B	50810410	PREDICTED: similar to DEAD (aspartate-glutamate-alanine-aspartate) box
S	50810604	PREDICTED: similar to hypothetical protein FLJ12994, partial
B	50810822	PREDICTED: similar to chromosome 10 open reading frame 88
S	50810872	PREDICTED: hypothetical protein
BS	50810900	PREDICTED: similar to Hypothetical protein BC013949
S	50811304	PREDICTED: hypothetical protein XP_424690, partial
B	50811427	PREDICTED: similar to hypothetical protein FLJ11807, partial
S	50811612	PREDICTED: similar to Dual specificity protein kinase CLK2 (CDC like k
BS	50811620	PREDICTED: similar to ash1 (absent, small, or homeotic)
B	50811630	PREDICTED: hypothetical protein
B	53126092	Hypothetical protein
B	53126268	Hypothetical protein
S	53126280	Hypothetical protein
S	53126330	Hypothetical protein
B	53126489	Hypothetical protein
S	53126513	Hypothetical protein
S	53126753	Hypothetical protein
S	53126789	Hypothetical protein
S	53126991	Hypothetical protein
B	53127063	Hypothetical protein
BS	53127099	Hypothetical protein
S	53127284	Hypothetical protein
BS	53127294	Hypothetical protein
B	53127312	Hypothetical protein
BS	53127314	Hypothetical protein
BS	53127410	Hypothetical protein
S	53127464	Hypothetical protein
B	53127652	Hypothetical protein
S	53127674	Hypothetical protein
BS	53127696	Hypothetical protein
BS	53127718	Hypothetical protein
S	53127724	Hypothetical protein
B	53127756	Hypothetical protein
S	53127806	Hypothetical protein
S	53127836	Hypothetical protein
S	53128199	Hypothetical protein
S	53128235	Hypothetical protein
BS	53128989	Hypothetical protein

BS	53129190	Hypothetical protein
B	53129519	Hypothetical protein
BS	53129586	Hypothetical protein
BS	53130278	Hypothetical protein
B	53130282	Hypothetical protein
BS	53130302	Hypothetical protein
BS	53130314	Hypothetical protein
S	53130336	Hypothetical protein
BS	53130364	Hypothetical protein
BS	53130368	Hypothetical protein
BS	53130384	Hypothetical protein
B	53130386	Hypothetical protein
S	53130394	Hypothetical protein
B	53130422	Hypothetical protein
S	53130428	Hypothetical protein
B	53130498	Hypothetical protein
S	53130530	Hypothetical protein
S	53130588	Hypothetical protein
BS	53130636	Hypothetical protein
S	53130688	Hypothetical protein
BS	53130710	Hypothetical protein
B	53130718	Hypothetical protein
S	53130764	Hypothetical protein
S	53130794	Hypothetical protein
S	53131013	Hypothetical protein
BS	53131408	Hypothetical protein
B	53131480	Hypothetical protein
S	53131842	Hypothetical protein
S	53132162	Hypothetical protein
B	53132882	Hypothetical protein
BS	53133044	Hypothetical protein
BS	53133442	Hypothetical protein
B	53133458	Hypothetical protein
S	53133476	Hypothetical protein
B	53133560	Hypothetical protein
BS	53133570	Hypothetical protein
S	53133682	Hypothetical protein
B	53133708	Hypothetical protein
BS	53133718	Hypothetical protein
B	53133810	Hypothetical protein
BS	53133878	Hypothetical protein
S	53134506	Hypothetical protein
S	53134564	Hypothetical protein
S	53135140	Hypothetical protein
B	53135182	Hypothetical protein
S	53136420	Hypothetical protein
B	53136430	Hypothetical protein
S	53136442	Hypothetical protein
BS	53136458	Hypothetical protein
B	53136490	Hypothetical protein
B	53136500	Hypothetical protein

B	53136520	Hypothetical protein
BS	53136594	Hypothetical protein
S	53136606	Hypothetical protein
S	53136612	Hypothetical protein
BS	53136648	Hypothetical protein
B	53136732	Hypothetical protein
B	53136736	Hypothetical protein
S	53136760	Hypothetical protein
BS	53136784	Hypothetical protein
S	53136822	Hypothetical protein
S	53136826	Hypothetical protein
B	53136866	Hypothetical protein
BS	53136910	Hypothetical protein
S	61098011	PREDICTED: similar to Protein tyrosine phosphatase, non-receptor type 7

Supporting Data: Table 4. Membrane Proteins Common to both bursal B-cells and Stroma. Very few membrane proteins (18.7%) were identified from both B-cell and stromal samples. Membrane proteins common to both bursal compartments are shown here along with their function (determined using GO biological process).

GI#	Protein	GO:biological process
112981	Aspartate aminotransferase, mitochondrial (Transaminase A)	amino acid metabolism
8133188	Voltage-dependent anion channel	anion transport
42528325	Neurite outgrowth inhibitor NOGO-A	apoptosis
45382213	Mitochondrial carrier homolog 2	apoptosis; signal transduction
45383566	ATP synthase, H ⁺ transporting	ATP synthesis coupled proton transport
11999245	ATP synthase alpha subunit	ATP synthesis coupled proton transport; protein transport
4582571	Hyperion protein	binds protein kinase A
279680	Neural cell adhesion molecule	cell adhesion
509767	Ng-CAM	cell adhesion
2467122	Neurofascin	cell adhesion
13161045	Integrin alpha 3A	cell adhesion
1621230	HEMCAM	cell adhesion
45383994	Nr-CAM protein	cell adhesion
47551319	Cadherin-10	cell adhesion
45383608	Disintegrin and metalloproteinase domain 10	cell adhesion
46048792	Beta catenin	cell adhesion
4323233	Cadherin	cell adhesion
53729308	Neurofascin	cell adhesion
29170485	Putative CD154 (CD40 ligand)	cell adhesion; cell proliferation; immune response
9789730	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	cell adhesion; ion transport; metabolism
1572687	Axl-related receptor tyrosine kinase	cell adhesion; signal transduction
62934	Lamin B receptor	cell cycle
5360174	Notch-1	cell differentiation
24528161	Endophilin II	cell growth/maintenance
633796	Fibroblast growth factor receptor CPE-FGFR	cell growth; signal transduction
1480467	Mutant cysteine-rich FGF receptor	cell growth; signal transduction
438007	Alpha-2-macroglobulin receptor	cell proliferation; endocytosis
30316401	THY1	cell-cell signaling
297567	Integrin beta 2 subunit (CD18)	cell-cell signaling; cell-matrix adhesion
86279	DNAK-type molecular chaperone	chaperone activity
45383738	Aconitase 2	citrate metabolism; TCA cycle
113949	Annexin A2	cytoskeletal protein binding
47087153	Receptor-type protein-tyrosine kinase	development; signal transduction
20140635	Transferrin receptor protein 1 (TfR1)	endocytosis; ion transport; proteolysis and peptidolysis
50740633	PREDICTED: similar to cytochrome P450 1B1	electron transport
7672710	NADH dehydrogenase	electron transport
50732700	PREDICTED: similar to cytochrome C	electron transport
42557378	Cytochrome oxidase	electron transport
5360541	Cytochrome b	electron transport
3851612	Succinate dehydrogenase lp subunit	electron transport; TCA cycle
3851616	Succinate dehydrogenase Fp subunit	electron transport; TCA cycle
1703321	Annexin A6	endosome aggregation and vesicle fusion

2500201	Cell division control protein 42 homolog	endosome transport
45384238	CFR-associated protein p70	fatty acid metabolism
1177400	Bu-1 (chB6)	function unknown
49170106	Intestinal zipper protein	function unknown
50728268	PREDICTED: similar to transmembrane protein 5	function unknown
2739305	Thrombomucin	function unknown
7271899	Nidogen 1	function unknown
19879570	RIM-binding protein 2	function unknown
2970644	Xin	function unknown
17104484	Melanoma antigen P15	function unknown
57529406	Similar to Vesicle-associated membrane protein-associated protein B	function unknown
58865012	Immunoglobulin-like receptor CHIR-AB2	function unknown
6226140	SMO Smoothened homolog (SMO)	G-protein coupled receptor protein signaling pathway
44969651	Calreticulin	heterophilic cell adhesion
63524	Gamma-immunoglobulin heavy chain	immune response
1334733	Unnamed protein product (immunoglobulin)	immune response
9256378	B-L beta chain	immune response
15718362	MHC class II-associated invariant chain	immune response
41223406	Invariant chain	immune response
2707457	T-cell receptor gamma V1.3a	immune response
37574512	MHC class I antigen BF heavy chain	immune response
38231481	MHC class II antigen	immune response
45382791	Complement regulatory membrane protein	immune response
53139480	transporter associated with antigen processing 1	immune response
1536804	Immunoglobulin lambda chain variable region	immune response
16902245	Immunoglobulin lambda light chain	immune response
4028135	Interferon alpha/beta receptor 1	immune response; signal transduction
9864394	Adenylyl cyclase type IX	intracellular signaling cascade
86380	Na ⁺ /K ⁺ -exchanging ATPase beta-1 chain	ion transport
461548	Sodium/potassium-transporting ATPase beta-3 chain	ion transport
86392	Nicotinic acetylcholine receptor alpha chain	ion transport
462150	Gamma-aminobutyric-acid receptor gamma-4	ion transport
33112044	Shaker subfamily potassium channel Kv1.2 alpha	ion transport
45382621	Vacuolar H ⁽⁺⁾ -transporting ATPase 116 kDa subunit	ion transport
114372	Sodium/potassium-transporting ATPase	ion transport
50261635	Transient receptor potential cation channel subfamily C member 1	ion transport
114378	Sodium/potassium-transporting ATPase alpha-2 chain (Sodium pump 2)	ion transport
114380	Sodium/potassium-transporting ATPase alpha-3 chain (Sodium pump 3)	ion transport
4468189	Sarcoendoplasmic reticulum calcium ATPase	ion transport
4100172	Progesterone receptor binding protein	ion transporter
483243	Apolipoprotein B-100	lipid transport
2501195	NLTP Nonspecific lipid-transfer protein	lipid transport
47575883	Sialyltransferase 9	protein amino acid glycosylation

118088	Peptidyl-prolyl cis-trans isomerase B	protein folding
2119732	Heat shock protein 108K	protein folding
11863539	Neurobeachin	protein localization
2749960	Polysialyltransferase	protein modification
664925	GTP-binding protein (RAB2)	protein transport; signal transduction
1531769	Rab5C-like protein	protein transport; signal transduction
12965	Unnamed protein product	proton transport
6179570	Radixin	regulation of cell cycle; cell proliferation
31442351	UNC5-like protein 3	signal transduction
45382363	Teneurin-1	signal transduction
46395491	PIT 54 protein; turpentine-induced 18-B	signal transduction
32331155	Basigin-2	signal transduction
45383878	Brain abundant, membrane attached signal protein 1	signal transduction
12230900	Ephrin type-B receptor 2	signal transduction
4959548	Glutathione S-transferase class-alpha	signal transduction
45383350	Bombesin-like peptide receptor subtype 3.5	signal transduction
4558482	Tyrosine kinase JAK1	signal transduction
45383896	Sidekick-1	single transmembrane domain
625222	Kinase-related protein ros	transmembrane receptor protein
4884676	Receptor tyrosine kinase	tyrosine kinase signaling pathway
987862	AMPA receptor GluR2/B	transmembrane receptor protein
22775582	ATP/ADP antiporter	tyrosine kinase signaling pathway
6433844	Aczonin (Piccolo)	transport
		transport
		vesicle targeting; transport

Supporting Data: Table 5. Bursal Proteins that Bind Extracellular Proteins. Many membrane proteins bind the extracellular matrix (ECM), including the basement membrane (BM). Binding to the ECM initiates cell behavior such as adhesion, migration and differentiation and these bursal proteins are likely to be important for bursal morphology and B-cell differentiation.

Protein Name	Ligand
A) Found in B-cells	
PREDICTED: similar to ADAMTS-5	aggrecan
Integrin beta-8	fibrinogen
Integrin alpha-9	VCAM1
Integrin alpha-4	VCAM1, fibronectin, MADCAM1
Integrin alpha-X	fibrinogen
B) Found in Stroma	
metalloprotease-disintegrin	integrin ligand/unknown
CD44-like protein	collagen, fibronectin, laminin
Fibronectin receptor	fibronectin
Integrin alpha-5	fibronectin
Integrin alpha-6	ADAM, laminin
Integrin alpha-8	fibronectin
Integrin alpha-1	collagen, laminin
Integrin alpha-V	ADAM, fibronectin, vitronectin
Integrin beta-4	laminin
ADAM-TS related protein 1	ECM
Integrin alpha-11	collagen
PREDICTED: similar to Integrin alpha-7	laminin
Integrin beta-4 (CD104)	laminin
C) Found in Both B-cells and Stroma	
PREDICTED: similar to ADAMTS-14	aminoprocollagen
PREDICTED: similar to ADAMTS-17	BM
PREDICTED: similar to ADAMTS-3	collagen
PREDICTED: similar to ADAMTS-8	BM
PREDICTED: similar to ADAMTS-9	aggrecan and versican
Alpha-2-macroglobulin receptor	ApoE, alpha-2-macroglobulin
Integrin alpha-3A	Epiligrin, fibronectin, collagen, laminin
Integrin beta-2 (CD18)	ICAM, VCAM1, fibrinogen, factor x
PREDICTED: similar to Integrin beta-6	fibronectin and cytotactin

Supporting Data: Table 6. Bursal Proteins Involved in Homophilic Interactions.

Cell-cell interactions are critical for the development of multicellular organisms.

Homophilic interactions mediate cell adhesion between cells of the same type. Bursal proteins involved in homophilic interactions contribute to cell sorting, maintaining stromal structure and allowing the progression of B-cell differentiation within the organ.

Tissue Sample	Protein Name
A) B-cells	Cadherin EGF LAG seven-pass G-type receptor 1
	Cadherin-10
	Cadherin-6
	Connexin 32
	C-Ret proto-oncogene
	Gap junction alpha-5 protein (Connexin 42)
	PREDICTED: similar to fat-like cadherin FATJ protein
	PREDICTED: similar to Protocadherin 19
	PREDICTED: similar to OL-protocadherin
	PREDICTED: similar to Protocadherin 8
B) Stroma	B-cadherin
	Cadherin 11
	Integrin beta-1 precursor (CSAT antigen)
	Cadherin-related neuronal receptor c02
	DM-GRASP
	E-cadherin
	PREDICTED: cadherin 2, type 1, N-cadherin
	PREDICTED: similar to Cadherin-9
	Epithelial-cadherin (Cadherin-1)
	PREDICTED: similar to Claudin-12
	PREDICTED: similar to protocadherin 16
	PREDICTED: similar to protocadherin 17 (protocadherin 68)
	PREDICTED: similar to protocadherin beta 20
	PREDICTED: similar to protocadherin beta 22
	PREDICTED: similar to Protocadherin beta 4
	PREDICTED: similar to protocadherin gamma subfamily A9
	Protocadherin gamma subfamily A, 9
	PREDICTED: similar to FAT tumor suppressor 2
	PREDICTED: similar to Protocadherin beta 15
C) B-cells and Stroma	Cadherin-10
	Neurofascin
	PREDICTED: similar to Cadherin-4 precursor (R-cadherin)
	PREDICTED: similar to cadherin-related 23 protein
	PREDICTED: similar to claudin 14
	HEMCAM

Supporting Data: Table 7. Bursal Receptors whose Ligands were not detected. Some of the bursal membrane proteins were receptors whose ligands were not detected by mass spectrometry. This may be because the ligand was below the sensitivity level of the experiment or because the ligand was not being expressed. Although the ligands were not detected, the expression of its receptor indicates possible signaling mechanisms.

Tissue	Protein Name	Ligand
A) B-cells	LR8B	alpha2-macroglobulin, reelin, apoE
	LDLRP1	alpha 2-macroglobulin
	AVT receptor	AVT
	Interleukin 16	CD4?, IL-16R
	Colony stimulating factor 2 - human	CSF
	Putative Chemokine Receptor	CXCL13
	Eph-like receptor tyrosine kinase	Eph-A7
	Tyrosine Kinase Receptor EphA9	EphA9
	GABA receptor gamma-4 subunit	GABA
	Interleukin-12 beta chain	IL-12R
	Interferon alpha/beta receptor 1	interferons alpha and beta
	Leptin receptor	leptin
	PDGF receptor alpha	PDGF
	Twisted gastrulation homolog 1	short gastrulation
	TNFR2	TNF
	TNF-related apoptosis inducing ligand	TRAIL receptor
	Transferrin receptor	transferrin
	Cytokine receptor-beta	vasoactive intestinal peptide
	Integrin alpha-4 (CD49d)	V-CAM, MAdCAM-1
	Neogenin	VEGF, unknown
	Frizzled 10	Wnt
B) Stroma	Mutant cysteine-rich FGF receptor	FGF; E-selectin
	Interleukin 11 receptor alpha chain	IL-11
	Ephrin type-A receptor 3	Ephrin A5, Eph-A3
	PREDICTED: similar to interleukin 17	IL-17R
	PREDICTED: similar to interleukin 20	IL20R
	Soluble VEGF receptor-1	VEGF
	Lymphotactin	XCR1
	PREDICTED: similar to ADAM 17	notch, TNF alpha, MAD2
	Endoglin (CD105)	TGF beta
C) B-cells and Stroma	CPE-FGFR	FGF
	Ephrin type-B receptor 2	Eph-B2
	PREDICTED: similar to ADAM 9	MAD2
	gp130-like monocyte receptor	IL-6

Supporting Data: Table 8. Bursal Receptors with Unknown or Non-protein Ligands.

We identified receptors from the bursal compartment whose corresponding ligands were not identified. Many of the receptors are activated by non-protein ligands, and these ligands cannot be identified by MudPIT. Still more of the receptors are proteins whose ligands are unknown.

Tissue	Protein Name	Ligand
A) B-cells	53K glycoprotein	unknown
	CHUNK-1 protein	unknown
	Defender against cell death 1	unknown
	Muscarinic acetylcholine receptor M4	acetylcholine
	Neuronal acetylcholine receptor	acetylcholine
	Nicotinic acetylcholine receptor	acetylcholine
	Orphan G protein-coupled receptor R35	unknown
	MLL septin-like fusion	unknown
	PREDICTED: similar to olfactory receptor 115	oderants
	PREDICTED: similar to olfactory receptor 127	oderants
	PREDICTED: similar to Olf1365	oderants
	PREDICTED: similar to Olf1368	oderants
	Similar to sidekick 2	unknown
	Supporting-cell antigen	unknown
	Teneurin-2	unknown
B) Stroma	Chemokine K203	unknown
	Muscarinic acetylcholine receptor M3	acetylcholine
	Plasma membrane protein 1B3	unknown
	Alpha-2-adrenergic receptor	epinephrine & norepinephrine
	PREDICTED: similar to Olf649	oderants
	Protein tyrosine phosphatase lambda	unknown
	Stem cell antigen 2	unknown
	Toll-like receptor 4	lipopolysaccharide
C) B-cells and Stroma	Axl-related receptor tyrosine kinase	unknown
	Bombesin-like peptide receptor subtype 3.5	neuropeptides
	Bu-1 (chB6)	unknown
	ChB1	oligosaccharides/unknown
	Gamma-aminobutyric-acid receptor	GABA
	Nr-CAM protein	unknown
	PREDICTED: similar to teneurin-4	unknown
	Sidekick-1	cytokine/unknown
	Teneurin-1	unknown

Supporting Data: Table 9. Chicken *Ab Initio* Proteins Identified from the Post-hatch Bursa. The AbInDb contains electronically-predicted chicken proteins that have no homology to known proteins. Searching this database, we identified 6,623 *ab initio* proteins, directly confirming the expression of these predicted open reading frames. The proteins we identified from AbInDb are shown, along with their Ensembl accession numbers and the tissue compartment they were identified from (B = B-cell; S = stroma BS = both tissues).

Tissue	<i>ab initio</i> Product
B	GENSCAN0000000002 pep:Genscan chromosome:WASHUC1:Un:138468886:138472435:1 transcript:GENSCAN000000
BS	GENSCAN0000000003 pep:Genscan chromosome:WASHUC1:2:21688711:21699595:-1 transcript:GENSCAN00000000
S	GENSCAN00000000051 pep:Genscan chromosome:WASHUC1:1:170341079:170343381:-1 transcript:GENSCAN000000
S	GENSCAN00000000063 pep:Genscan chromosome:WASHUC1:11:7930808:7931412:-1 transcript:GENSCAN00000000
BS	GENSCAN00000000081 pep:Genscan chromosome:WASHUC1:1:169137254:169137935:-1 transcript:GENSCAN000000
S	GENSCAN00000000083 pep:Genscan chromosome:WASHUC1:9:12583446:12609223:-1 transcript:GENSCAN00000000
B	GENSCAN00000000085 pep:Genscan chromosome:WASHUC1:3:8686907:8701276:-1 transcript:GENSCAN0000000000
S	GENSCAN00000000095 pep:Genscan chromosome:WASHUC1:9:2073294:2075031:-1 transcript:GENSCAN0000000000
BS	GENSCAN00000000105 pep:Genscan chromosome:WASHUC1:2:75503460:75519931:1 transcript:GENSCAN0000000000
BS	GENSCAN00000000117 pep:Genscan chromosome:WASHUC1:2:1642322:1725792:-1 transcript:GENSCAN0000000001
S	GENSCAN00000000122 pep:Genscan chromosome:WASHUC1:12:1809911:1822969:1 transcript:GENSCAN0000000001
S	GENSCAN00000000123 pep:Genscan chromosome:WASHUC1:12:1790305:1796658:-1 transcript:GENSCAN0000000000
S	GENSCAN00000000129 pep:Genscan chromosome:WASHUC1:14:3124132:3138857:-1 transcript:GENSCAN0000000000
S	GENSCAN00000000130 pep:Genscan chromosome:WASHUC1:14:3145442:3161288:-1 transcript:GENSCAN0000000000
S	GENSCAN00000000142 pep:Genscan chromosome:WASHUC1:23:3771307:3772087:-1 transcript:GENSCAN0000000000
B	GENSCAN00000000152 pep:Genscan chromosome:WASHUC1:17:2320315:2331906:-1 transcript:GENSCAN0000000000
S	GENSCAN00000000160 pep:Genscan chromosome:WASHUC1:13:1388383:1394516:-1 transcript:GENSCAN0000000000
S	GENSCAN00000000166 pep:Genscan chromosome:WASHUC1:19:9071433:9083591:1 transcript:GENSCAN0000000001
B	GENSCAN00000000168 pep:Genscan chromosome:WASHUC1:20:2150970:2154247:-1 transcript:GENSCAN0000000000
S	GENSCAN00000000171 pep:Genscan chromosome:WASHUC1:Z:5954315:5956738:1 transcript:GENSCAN00000000017
B	GENSCAN00000000182 pep:Genscan chromosome:WASHUC1:14:5203208:5234852:-1 transcript:GENSCAN0000000000
S	GENSCAN00000000185 pep:Genscan chromosome:WASHUC1:17:10446104:10483349:1 transcript:GENSCAN0000000000
S	GENSCAN00000000188 pep:Genscan chromosome:WASHUC1:1:43473265:43474101:-1 transcript:GENSCAN0000000000
BS	GENSCAN00000000193 pep:Genscan chromosome:WASHUC1:1:167897018:167950606:1 transcript:GENSCAN00000000
S	GENSCAN00000000209 pep:Genscan chromosome:WASHUC1:6:26479310:26481645:-1 transcript:GENSCAN0000000000
S	GENSCAN00000000211 pep:Genscan chromosome:WASHUC1:6:26450259:26467988:-1 transcript:GENSCAN0000000000
B	GENSCAN00000000222 pep:Genscan chromosome:WASHUC1:2:88985647:89050642:1 transcript:GENSCAN0000000000
BS	GENSCAN00000000226 pep:Genscan chromosome:WASHUC1:2:89268079:89280424:-1 transcript:GENSCAN0000000000
B	GENSCAN00000000230 pep:Genscan chromosome:WASHUC1:3:59922153:59947729:1 transcript:GENSCAN0000000000
BS	GENSCAN00000000231 pep:Genscan chromosome:WASHUC1:3:59965344:59969754:1 transcript:GENSCAN0000000000
BS	GENSCAN00000000238 pep:Genscan chromosome:WASHUC1:3:85373573:85416021:1 transcript:GENSCAN0000000000
BS	GENSCAN00000000251 pep:Genscan chromosome:WASHUC1:2:4844991:4875908:1 transcript:GENSCAN00000000025
B	GENSCAN00000000261 pep:Genscan chromosome:WASHUC1:13:16014613:16021593:-1 transcript:GENSCAN00000000
B	GENSCAN00000000269 pep:Genscan chromosome:WASHUC1:9:11481131:11487940:-1 transcript:GENSCAN0000000000
B	GENSCAN00000000272 pep:Genscan chromosome:WASHUC1:9:11446404:11466935:-1 transcript:GENSCAN0000000000
S	GENSCAN00000000277 pep:Genscan chromosome:WASHUC1:9:11339663:11345197:1 transcript:GENSCAN0000000000
B	GENSCAN00000000311 pep:Genscan chromosome:WASHUC1:1:128255689:128297651:-1 transcript:GENSCAN00000000
BS	GENSCAN00000000313 pep:Genscan chromosome:WASHUC1:1:128221111:128235735:-1 transcript:GENSCAN00000000
S	GENSCAN00000000320 pep:Genscan chromosome:WASHUC1:15:7927088:7931728:1 transcript:GENSCAN0000000003
S	GENSCAN00000000351 pep:Genscan chromosome:WASHUC1:1:79779045:79829631:-1 transcript:GENSCAN0000000000
S	GENSCAN00000000366 pep:Genscan chromosome:WASHUC1:Un:150235064:150236537:-1 transcript:GENSCAN00000000
B	GENSCAN00000000376 pep:Genscan chromosome:WASHUC1:14:18737620:18737800:-1 transcript:GENSCAN0000000000
B	GENSCAN00000000385 pep:Genscan chromosome:WASHUC1:2:146825857:146850970:-1 transcript:GENSCAN0000000000
B	GENSCAN00000000395 pep:Genscan chromosome:WASHUC1:7:6935431:6937761:-1 transcript:GENSCAN0000000003
S	GENSCAN00000000402 pep:Genscan chromosome:WASHUC1:5:6376357:6422803:1 transcript:GENSCAN00000000040
S	GENSCAN00000000409 pep:Genscan chromosome:WASHUC1:Un:80357987:80358200:1 transcript:GENSCAN0000000000
S	GENSCAN00000000416 pep:Genscan chromosome:WASHUC1:2:44538029:44542478:-1 transcript:GENSCAN0000000000
BS	GENSCAN00000000422 pep:Genscan chromosome:WASHUC1:3:28163559:28204470:1 transcript:GENSCAN0000000000
S	GENSCAN00000000426 pep:Genscan chromosome:WASHUC1:9:2989935:2991023:-1 transcript:GENSCAN0000000004
S	GENSCAN00000000443 pep:Genscan chromosome:WASHUC1:1:179933951:179949354:1 transcript:GENSCAN00000000

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B GENSAN00000012155 pep:Genscan chromosome:WASHUC1:14:14087573:14098721:-1 transcript:GENSCAN0000000

S GENSAN00000012156 pep:Genscan chromosome:WASHUC1:4:73603632:73607388:-1 transcript:GENSCAN0000001

BS GENSAN00000012159 pep:Genscan chromosome:WASHUC1:1:129402156:129409134:1 transcript:GENSCAN0000000

S GENSAN00000012164 pep:Genscan chromosome:WASHUC1:3:8417164:8428990:1 transcript:GENSCAN0000001216

BS GENSAN00000012165 pep:Genscan chromosome:WASHUC1:3:8402643:8412072:-1 transcript:GENSCAN000000121

B GENSAN00000012166 pep:Genscan chromosome:WASHUC1:3:8365860:8401378:1 transcript:GENSCAN0000001216

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B GENSAN00000012175 pep:Genscan chromosome:WASHUC1:3:41725900:41744985:1 transcript:GENSCAN00000012

BS GENSAN00000012177 pep:Genscan chromosome:WASHUC1:3:41704480:41708489:1 transcript:GENSCAN00000012

B GENSAN00000012197 pep:Genscan chromosome:WASHUC1:3:27313864:27350545:1 transcript:GENSCAN00000012

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S GENSAN00000012219 pep:Genscan chromosome:WASHUC1:2:141660999:141666926:1 transcript:GENSCAN0000000

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S GENSAN00000012224 pep:Genscan chromosome:WASHUC1:2:1279463:1282593:-1 transcript:GENSCAN000000122

BS GENSAN00000012250 pep:Genscan chromosome:WASHUC1:3:102828040:102845327:-1 transcript:GENSCAN000000

B GENSAN00000012258 pep:Genscan chromosome:WASHUC1:Un:23123580:23124400:-1 transcript:GENSCAN0000000

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B GENSCAN00000012334 pep:Genscan chromosome:WASHUC1:2:145267917:145272869:-1 transcript:GENSCAN000000
S GENSCAN00000012344 pep:Genscan chromosome:WASHUC1:13:10445792:10536759:1 transcript:GENSCAN00000001
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B GENSCAN00000012486 pep:Genscan chromosome:WASHUC1:8:5824494:5827811:1 transcript:GENSCAN00000001248
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B GENSCAN00000012545 pep:Genscan chromosome:WASHUC1:Un:139344348:139347431:-1 transcript:GENSCAN00000
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B GENSAN00000077243 pep:Genscan chromosome:WASHUC1:8:21553673:21563386:-1 transcript:GENSCAN00000007

BS GENSAN00000077256 pep:Genscan chromosome:WASHUC1:Un:46442742:46447762:-1 transcript:GENSCAN00000000

S GENSAN00000077268 pep:Genscan chromosome:WASHUC1:Un:71073735:71074270:-1 transcript:GENSCAN00000000

B GENSAN00000077275 pep:Genscan chromosome:WASHUC1:15:7811579:7820769:1 transcript:GENSCAN0000000772

B GENSAN00000077278 pep:Genscan chromosome:WASHUC1:15:6477670:6482818:-1 transcript:GENSCAN000000077

B GENSAN00000077282 pep:Genscan chromosome:WASHUC1:1:151746217:151748256:1 transcript:GENSCAN00000000

B GENSAN00000077288 pep:Genscan chromosome:WASHUC1:4:61459945:61522433:-1 transcript:GENSCAN00000007

S GENSAN00000077289 pep:Genscan chromosome:WASHUC1:4:61439503:61457182:1 transcript:GENSCAN000000077

S GENSAN00000077304 pep:Genscan chromosome:WASHUC1:Un:39971226:39972390:1 transcript:GENSCAN00000007

BS GENSAN00000077343 pep:Genscan chromosome:WASHUC1:24:3408470:3440778:-1 transcript:GENSCAN000000077

S GENSAN00000077346 pep:Genscan chromosome:WASHUC1:20:8412726:8416282:1 transcript:GENSCAN0000000773

B GENSAN00000077376 pep:Genscan chromosome:WASHUC1:2:23904907:23943898:1 transcript:GENSCAN000000077

B GENSAN00000077394 pep:Genscan chromosome:WASHUC1:Un:80532352:80533804:1 transcript:GENSCAN00000007

S GENSAN00000077402 pep:Genscan chromosome:WASHUC1:1:38922825:38949270:-1 transcript:GENSCAN00000007

S GENSAN00000077405 pep:Genscan chromosome:WASHUC1:13:17027426:17032248:1 transcript:GENSCAN00000007

B GENSAN00000077406 pep:Genscan chromosome:WASHUC1:20:7560830:7568826:-1 transcript:GENSCAN000000077

S GENSAN00000077421 pep:Genscan chromosome:WASHUC1:1_random:543461:565551:1 transcript:GENSCAN000000

S GENSAN00000077424 pep:Genscan chromosome:WASHUC1:1_random:503803:504483:-1 transcript:GENSCAN000000

S GENSAN00000077427 pep:Genscan chromosome:WASHUC1:1_random:445558:480024:1 transcript:GENSCAN000000

S GENSAN00000077430 pep:Genscan chromosome:WASHUC1:2:79876498:79881209:-1 transcript:GENSCAN00000007

BS GENSAN00000077444 pep:Genscan chromosome:WASHUC1:7:13470314:13479251:1 transcript:GENSCAN000000077

BS GENSAN00000077459 pep:Genscan chromosome:WASHUC1:10:47611:55541:-1 transcript:GENSCAN000000077459

BS GENSAN00000077466 pep:Genscan chromosome:WASHUC1:2:122028803:122047887:1 transcript:GENSCAN00000000

B GENSAN00000077473 pep:Genscan chromosome:WASHUC1:Un:117379013:117379139:-1 transcript:GENSCAN000000

S GENSAN00000077474 pep:Genscan chromosome:WASHUC1:1:91556865:91603184:1 transcript:GENSCAN000000077

S GENSAN00000077475 pep:Genscan chromosome:WASHUC1:1:91626886:91653644:1 transcript:GENSCAN000000077

S GENSAN00000077485 pep:Genscan chromosome:WASHUC1:16:200079:201423:1 transcript:GENSCAN000000077485

B GENSAN00000077524 pep:Genscan chromosome:WASHUC1:17:6502240:6505697:1 transcript:GENSCAN0000000775

BS GENSAN00000077531 pep:Genscan chromosome:WASHUC1:17:9403850:9411406:1 transcript:GENSCAN0000000775

B GENSAN00000077540 pep:Genscan chromosome:WASHUC1:6:32241472:32246331:1 transcript:GENSCAN000000077

S GENSAN00000077545 pep:Genscan chromosome:WASHUC1:6:10118789:10162492:1 transcript:GENSCAN000000077

S GENSAN00000077599 pep:Genscan chromosome:WASHUC1:1:42225472:42241357:-1 transcript:GENSCAN00000007

Supporting Data: Table 10. Protein Identification Sequence Tags identified from ChrUn. A database containing unassigned chicken genome sequences (ChrUnDb) was searched using mass spectra obtained from bursal samples. Peptides identified from ChrUnDb were compared to peptides identified from the chicken subset of the NRPD (AvDb) and a subset of ChrUnDb specific peptides obtained. These peptides were translated, aligned against the chicken to genome and the 3' sequence extended until either the first stop codon (*) or the end of the ChrUn sequence by (?) to make ePSTs. Each of the ChrUn ePSTs is shown, along with its AC accession number and its sequence. The sequence of the original peptide is underlined. Each ePST represents a novel open reading frame that is not currently annotated in the chicken genome.

AC#	Identified Peptide	PIST
AC1	GQGIPCAVSKIK	GQGIPCAVSKIKNGTRWK*
AC2	AQSSQDAVSSMNLFDLGGQYLR	AQSSQDAVSSMNLFDLGGQYLRVGKAVTPPMLLTATPGGLPPAAVAAAAATAKITAQVKHKLE* SPWTAASPVPIALSHCTRAAHHKALPQGSQGPVWSPVAEQGRKRRKGLLFFRGPRGAMYCVGQGKEQCCT GEGCLFTPLPAQGGFLNSAAAGSVSGSSCSVLHCRMPQPHCKPQPFGGCSAPQCLAWGRSEGCERSHSP CALLGCFASSSPLCLSQPRSWRGWELPVGECWK*
AC3	SPWTAASPVPIALSHCTR	
AC4	PSPISGNGPIR	PSPISGNGPIRGNPISGNGPIRGNPISGHRPGPISGNGPISAHRPSPISGNGPISDPQPHKCRWPHKCP*
AC5	LLLNNMVK	LLLNNMVKCLLSSL* LPFDERLVRVPSGKEQVQLMGVHGKGIPIEKGCSTLYFSVVGGFHLLAGNVLLPAREREMDLGCVFARIGA QFIFT*
AC6	LPFDERVLR	
AC7	FFSIHVLRL	FFSIHVLRWLVRFGFGIGRM* LSGAGLHQADPASPLGSARGFPRLWERGDRGARVTAAPRSRKRCPARSRCGVWGRPSAPPLCAPERKRINI SGQNTSVRIRFHCSSQWPVTAVVE*
AC8	LSGAGLHQADPASPLGSARGFPR	
AC9	SVSTPEAMSLYPHCR	SVSTPEAMSLYPHCRMHDISHFTLILKYQVVSSTALNTQVVL*
AC10		SVSTPEAMSLYPHCRMHDISVL*
AC11	PPNLHHGDAPQPK	PPNLHHGDAPQPKLPPGMLQALNIPRLHGHQPQTIM* PPNLHHGDAPQPKPKPPRMLQALNIPRLYGHQIMMGPNTTHREPQGHHSFPKSTLPHNPNLLLGSPPSIT QCHHPLSWDVGIPWSHCCPCVPRCSPATARV*
AC12		PPNLHHGDAPQPKLPPGMLQALNISRLNGHSQTRMGPPNTTHREPQCHSHSFPKSTPPHNPNLLLESPPIT QCHHPLRHVGIPWSHSCPCVPRCPPATARV*
AC13		PPNLHHGDAPQPKLPPRMLQALNIPRLHGHQPQTIM*
AC14		PPNLHHGDAPQPKPPGMLQALNIPRLYGHQIMMGPNTTHREPQCHSYSPKSTLPHNPNLLLGSPPHIT QCHHPLSWDVGIPWSHCCPCVPRCPPVTARV*
AC15		PPNLHHGDAPQPKLPPGMLQALNIPRLYVQPPNLVGLPNTTLREPQCHSHSFPKSTPPHNPNLLHSPPITP YHHPLRHIGIPWSHCCPCVPRCPPVTARV*
AC16		
AC17		PPNLHHGDAPQPKLPPRMLQAFNTPRLYQATYWDHSGNPRHHPQGTQMSQSQLPKIYTPQSQPPSPGQP PTHYTMPSSPQACWDPMTQLSLCPQVSPGDSEGLTYAQLQAVTPSTHTPGSSTTPEPSIYTEVGTGRPR*
AC18		PPNLHHGDAPQPKLPPRMLQAFNTPRLYQATYWDHSGNPRHHPQGTQMSQSQLPKIYTPQSQPLSPGQP PTHCTVLSSPQACWDPMTLLSLCPQVSPGDSEGLTYQLQAVTPSTHTPPASSTPEPVIYAKVGTGRPR*
AC19	PNAERQLPTSPIPGCPQTR	PNAERQLPTSPIPGCPQTRADGGRPTSRLLQPPSSSSSCWCPGGCVAPGCLGGVPGA*
AC20	EPDQEKEGIVAAAGR	EPDQEKEGIVAAAGRSATAPKAFSFGTRRGECGTSPPRGGRGDAKGPLWE? SPAGPARSPALLRALTVLLGQQQRPEVDGVEGGPHHGREAAEDDERAEQPGHGGGTTPRVDRGSSAAAASG RDGARRAERGGR?
AC21	SPAGPARSPALLR	
AC22	YLIQNFNAK	YLIQNFNAKVKIIS*
AC23	TLPTVPQLLTAPSPRR	TLPTVPQLLTAPSPRRAPAHWP*
AC24		TLPTVPQLLTAPSPRRAPYSRTLALDSLQSPPHSPISNLISP*
AC25	PQISPPNSK	PQISPPNSKTLHIPNVSPLSQPLQIPNLFFKFQPPSSNSKLLQILHFLKF*
AC26	NVLRSPGEGLGQPAELCFQEK	NVLRSPGEGLGQPAELCFQEKVEVLPERRSLGCSSLRASSILSVMCFC*
AC27	TLQLLRHSEHK	TLQLLRHSEHKPLLEIKWNIDCLWICAI*
AC28	GRGEATHASK	GRGEATHASKIWLHRFARSHSSDPTWRAQKV*
AC29	LLFIHNNKYAPMQHFCPK	LLFIHNNKYAPMQHFCPKYVNYLATICLQDGF*
AC30	DLAMLVTWAR	DLAMLVTWAREQGFLKTPLLIFIAEGWRDIGDHMWDCVIFGGKDEKLLKPLRSVWRVAVSTLKA*
AC31	LLCALPNSPGEVRAPQPPTHPR	LLCALPNSPGEVRAPQPPTHPRALPLELREELALSYSCHIPPGVKPEHHQELPLTAPSTGQSLIPFSSRIETV*
AC32	YPQAWSLPHPLKPLQVTHK	YPQAWSLPHPLKPLQVTHKSNVYNILDALISKRR*
AC33	KASFWSEGMQK	KASFWSEGMQKALSCWGHRTGCWGHGDSGRSAESLEKC*

AC34	DLLHPSPEEEK	DLLHPSPEEEKRKHKKKRLVQSPNSYFMDVKCPGRGRAPGAPRPVPTVRGRRPTPRSSRLL*
AC35	HCPMGTAAVFPRAGTHR	HCPMGTAAVFPRAGTHRWCTWAGRPC*
AC36	PTAPCPAPALPK	PTAPCPAPALPKARTLWQSYTK*
AC37	VLFVLPGSAEVHMESISLGMGKPK	VLFVLPGSAEVHMESISLGMGKPSALLLLFWDLSQIRKVRKRSYCEIFFLVLFMPLNVFSNLKTHLNKCLFD MLVLTLLDPNLDASAVRIKPER*
AC38	TPTLGVPTAPPEPWGSTAR	TPTLGVPTAPPEPWGSTARLQWGPKSSNGAGSVVSGSVWGCCALGAVGGGLPPSLCPHHSLETTVLVWVEG SEGSAPPLPGGNEWDALPPPLAWGYPGSPTPFQPPPIIPPPPL*
AC39	LCCALGAVRIWK	LCCALGAVRIWKCCQVHCSSPVAVALSLLGLQLVGHMPCIAPHLPCVRIPACAFDFAAMLGTTCCSVHLFSDNL PWFPRLPSPRNCWLLISIQIKCGSWLLGIAQLLRA*
AC40	APVNPVGHSWTGRATATCAAEHGS	APVNPVGHSWTGRATATCAAEHGSWSRSQGWQRDAGTARRLPSSAEQPADAEADGHQRPSPCLGKGHTQA
AC41	IVFLFLQDTK	DGLQLPRDGGAAHCGRSEPPLSFEPMCHIQL*
AC42	DDCKDALGTPGDPLDPT	IVFLFLQDTKLKNQVSLLPRTKGWVWPHGMISCATSS*
AC43		DDCKDALGTPGDPLDPTRSFLDISRPFWMNLRTPWINRRTLWTLQGLSGTPPDPSGWLQDPPDPYEHPLGTP R?
AC44		DDCKDALGTPGDPLDPTRSFLDISRPFWMNLRTPWINRRTLWTPQGLSGTPPDLLDGSRTQTHMSTPWAPQ DTSGISSDPSRGQDPLNPTKDPPPSPLWDTPRPFWMTTQTHTRTPWTLADSTGTSPDQPRDSSELLGPS WELPDPSRGPQDLPGDSLDPWTSPDSSA*
AC45		DDCKDALGTPGDPLDPTRSFLDISRPFWMNLRTPWINRRTLWTLQGLSGTPPDPSGWLQDPPDPHEHPLGTP RHFRDIFRPFQKTGPSEPT*
AC46		DDCKDALGTPGDPLDPTRSFLDISRPFWMNLRTPMDDQEDPLDPPRPFWDISRPFWMAGPPRPRTRATPGHP KTLPGHLQTLPEDNRTLLTHLSTAQTLQVLSGTSLDPSGWLQDPTDPHEHPLGNPRHFRDIFRPFQRTTGPSEP N*
AC47		DDCKDALGTPGDPLDPTRSFLDISRPFWMNLRTPMDDQEDPLDPPRPFWDISRPFWMAGPPRPRTRATLDTP RHFRDIFRPFQKTGPS*
AC48	WGRPAPSLQAHP	DDCKDALGTPGDPLDPTRSFLDISKPFWMNLRTPWINRRTLWTLQGLSGTPPDPSGWLQDPPNPHEHPLGTPK HFWDLFKPFQKKQDTLN?
AC49		WGRPAPSLQAHPRRSARGP?
AC50	LGLAPTGLVGKPR	WGRPAPSLQAHPRRTAQLPGRAAQPRMRLGRTRADTLHPPAKRRALPALGHVQL*
AC51	PHPQPDVAPGVGPKAK	LGLAPTGLVGKPRSRCVFSHPDGATELRMRDRMGCLGGVIIRTMRSELEKAFIKPCGEFTKTGWVPAATTF CRVHSGSPDPPLPSLIQPEALVFGVRPWT*
AC52		PHPQPDVAPGVGPKAKA*
AC53	IGLPPGGSPK	PHPQPDVAPGVGPKAKARDAGTISGTEIHSQTGQHWPPGLKALPQPERPTADLGPKAAARETGTLRV*
AC54	IPLHNTVTSAR	IGLPPGGSPKKNAEVCWSEAKILLWGRGAGEKGHTIQGCLLRPS*
AC55	HFFSNWTCIKNLIK	IPLHNTVTSARRFPLLQDLTMHVNLSFAMDLSGIVDRKDVPVLTKHQATQHCRPYQFPVSYGNISQQFLGHTKS ASSEAPLKVLS*
AC56	AAEAAAALADADLEER	HFFSNWTCIKNLIK*
AC57	VTLLSHPLGPR	AAEAAAALADADLEERLKNLRD*
AC58	TQWEPRENCNTTQWEPK	VTLLSHPLGPRKSKWRFPFCKEEGIIYPFRTRAHPTLQSRRSGKASPCGG*
AC59	VGQDSDCHNGAQSSGTRLR	TQWEPRENCNTTQWEPKGHTKKTSGNPKETLTKPNGNEGNPIKPNKNPKDPTKSSGNPKGTPTQPRGNPK GTPTQPRGNPSIQSGDAQGGEWGKK*
AC60	NNALSATLKL	VGQDSDCHNGAQSSGTRLRYRQHNTGEKEGHADICGRRKSFLAFHYSKNVP*
AC61	VVRSCTEHSQK	NNALSATLKLGRWWYDGHQAPSPPARH*
AC62	VMRTSPAAPIPIAPR	VVRSCTEHSQKQTSWTQHCSLSSSCPQLALRVSFCDPTKKISTFQVPLSPQHHLVVGAEVAWLQPLLPKF MLILYSPEKHQDSEYLI*
AC63	RWEVLVCLTHTK	VMRTSPAAPIPIAPRPRSAGGALAFSGPPSGRWGPLSGWDNAVSPFSPSEVVRGAGCPDGSRSPRADA*
AC64	PFWAPAPASALR	RWEVLVCLTHTKVLIAELAQMCTRQLLATWSRHSQPHPCSKQAGP*
		PFWAPAPASALRPAGAAAPWTPSPPSGATGNCSSSAFRAAQPMWVDLEVRISVPPTNKIPRSNVNTRHLWQQ A*

AC65	LPTFHILLNRPDK	LPTFHILLNRPDKVCAIHSFRKRST*
AC66	NRPIPAHSSK	NRPIPAHSSKGQPCGKQGAARGMEKNPTGMQGESRLRQGD SWGKNRGTSQQRTSSFTSSASQLSCKAAR
AC67	CACEAADLFCDDAEVLLSTTR	GAAVPLPDSCLCQKELQVSGVQLPF* CACEAADLFCDDAEVLLSTTRSQT KHPNDALDILLRGQVI*
AC68	REAPSCSAGGR	REAPSCSAGGRPAHSPQHELIGSRAAVTALLGAGRSSKLEQPETIAAQRNTSVVRAPFGELAGLLAALRHGML RTQSAN*
AC69	QPGVPLHQER	QPGVPLHQERGLSLWRVAVMPSGRRGAQEMPSTRLP GWLLEGHWPVGFVGVGGRKWWCRRVCACPAFG PISGLRRGGEVC*
AC70	TAVPLPRQEGTQQFPCPWR	TAVPLPRQEGTQQFPCPWRLTKCSRPSGQSKPRLVLPALFSKHSLTPPGCPEKGCPIPAMDGPRAS*
AC71	AQLPTLTmatepr	AQLPTLTmateprVTLTATLHPTPSGSLCTRGAFIGQERGG* SFIGERTPACKWEMLNSWPVKIKIAYKKSTGHNPNALPGTPLTATISLKG YCRLPLRRAKHPSEQFESPKYN PGFFE?
AC72	SFIGERTPACK	PGFFE?
AC73	GFSVVADTPELQR	GFSVVADTPELQRIKKTQDQISNVSAF*
AC74	MLIQMLTKEHLER	MLIQMLTKEHLEREAEVQMAEAPETR*
AC75	ATPLLLSTSAVR	ATPLLLSTSAVRAHKIPRAMELWCLSGESRELRACLHQASILLELSPQHEFPVPAPHT* SPQTTGGQRGAAATGGSEPAMLFP RRGRGPGSISCPAQQFAGPKGVQRGERLFP GMLQPGWAPRDKGRGW
AC76	SPQTTGGQRGAAATGGSEPAMLFP	TWEREELAGEVGTLCRPADSNTAWPGLYFSPSSHR*
AC77	PCVGHVGHKPHVGR	PCVGHVGHKPHVGRDEPHVGHVGHSEPHIGHAESHIGHVEP*
AC78	GTGGVLPSPVLPDIRDPR	GTGGVLPSPVLPDIRDPRGLQKLC PRAATPLLAPSCSHAATTPSPTWAHP?
AC79	VVLFLLGPFNPSPDVHK	VVLFLLGPFNPSPDVHKGKT DKILPVINNLSQASSLLMKFEVIF*
AC80	NPVQLVPKHK	NPVQLVPKHKGGSQHKL MRVVLKCLLWGCFLLP SHGR*
AC81	TLCQQLSAAVAPAGAK	TLCQQLSAAVAPAGAKGERRALRAPPTPAVLTCLRGW*
AC82	IPQEQVWIR	IPQEQVWIRTARRKQGPR TIHIPQYTQPWPLLFAGV*
AC83		IPQEQVWIRTARRKQGPR TIHIPQYTQMPWPLLFAGV* IAIVVAVYKLVSHVEKKLFALFSCPVAYLIDL SPLNSSQKSLCESSIEGLHPFLGFATVNAFWLCQYFVLISVLM TAA KMSASLIL*
AC84	IAIVVAVYKLVSHVEK	
AC85	ICTSCQHSNIK	ICTSCQHSNIKDIQSLEKRVHLSGMSFKIQMFASYLCFRISQS*
AC86	VVEATSEIISGTR	VVEATSEIISGTRSENQVQAHVFN VFYNTARRIYCIVRWLGSTQIGLYLFH SVNNNNHNHNRKTQQTLLCNTA*
AC87	YFATIIQIIKLYDNK	YFATIIQIIKLYDNKKCLINTVSKYGLKRFARKIFYETATKSLDKKTPVHI*
AC88	WCSSHWLCVGCSPKSAEVEK	WCSSHWLCVGCSPKSAEVEKKIHTLHQKGIF*
AC89	WSLEDKTINYTK	WSLEDKTINYTKINCSPRHLEDIFLQSLSSVLQIFAQVLCYIHSSFPKG TMSMQNTSHCQVLSSKSG*
AC90		WSLEDKTINYTKINCSPRHLEDIFLQSFSSVLQIFAQVLCYIHSSFPKG MMSMQNTSHCQVLSSKSG* LCFHASGSAEPSCPVLGPCQRLASPYRSRWECEQPLNPCEGA EVWFPVSRQRPA GREVRERAVLRLRH DG RSPPGTF*
AC91	LCFHASGSAEPSCPVLGPCQR	
AC92	PQMWFDFQPK	PQMWFDFQPKGYGVQNP KDLGCQTEDFGGGY PQIGDVPYRKGV LNTQIVG*
AC93	VLPAAPSIQIPK	VLPAAPSIQIPKVPLTSWNAS*
AC94	NGVATRSLGAGAGPR	NGVATRSLGAGAGPRGACVLIHGLLGYRSQA AFALFPTPSVCWDC*
AC95	IHHINTYIHTAGHTADMHR	IHHINTYIHTAGHTADMHRVLAQM QGPPAASSWLSGVDIQ*
AC96	PISGSPAVGAGMALLR	PISGSPAVGAGMALLREICH DQNLSSKLKSEWC SHDPHGLERCCGYEGCLGLGVNTMNV*
AC97	PSARCALANVILR	PSARCALANVILRGNC PAGRALLFPSPASLPATLPSVQMAPC* NTRVTPAEDRKAGRSPSRPAGRPSAGTAQGDGCREQPGSACTREPQSPLQVGKRAAGIQTRTGSRDEAHGL GRARGAGPRRSAQPPLPQRKRS A?
AC98	NTRVTPAEDR	
AC99		NTRVTPAEDRKAGRSPSRPAGRPSAGTAQGDGCREQPGSACTREPQSPLQVGKRAAGIQTRTGSRDEAHGL GRARGAGPRRSAQPPLPQRKRS AQGGIVPFGGGKQRS?

AC100		NTRVTPAEDRKGARSPSRPAGRPSIRWDGTGRRLPRAAGLCLHSGAPKPAASRQASSRNPNDWKQGRSA RPRQGERRRAATQRSAAPTAKAERSGRDRTVRRRPTALRRVFPHGSLPAEARNASRRSPNAREGSRPRER RQPARGHCRISARRGSGPTAAPRRSDPPAPPRPAPPRPHSLPQPPAARPGPPAEPQQRDPRAEDGNEGEP RGPHSPPAFIAADRADRAHAATAAPGPAPRGAARNGSARLREGARG*
AC101		NTRVTPAEDRKGARSPSRPAGRPSIRWDGTGRRLPRAAGLCLHSGAPKPAASRQASSRNPNDWKQGRSA RPRQGERRRRAATQRSAAPTAKAERSGRDRTVRRRPTALRRVFPHGSLPAEG?
AC102		NTRVTPAEDRKGARSPSRPAGRPSAGTAQGDGCREQPGSACTREPQSLQVKGRAAGIQTRTGSRDEAHGL GRARGAGPRRSAPPLPQKRSAQGGIAPFAGGQQRSAFFLTAAFRRRRVTPLDHPTPGKAHGPAGSGGS RHGTGT?
AC103		NTRVTPAEDRKGARSPSRPAGRPSIRWDGTGRRLPRAAGLCLHSGAPKPAASRQASSRNPNDWKQGRSA RPRQGERRRRAATQRSAAPTAKAERSGRDRTVRRRPTALRRVFPHGSLPAEANNASRRSPNAREGS?
AC104		NTRVTPAEDRKGARSPSRPAGRPAVHPLGRHRATAAASSRALPALGSPKARCKSASEQESKPGLEAGTKR TASAGREAPGRDAALSRRSHSESGALREGSHRSQAANSAPSRFSSRQPSGGGA*
AC105		NTRVTPAEDRKGARSPSRPAGRPSAGTAQGDGCREQPGSACTREPQSLQVKGRAAGIQTRTGSRDEAHGL GRARGAGPRRSAPPLPQKRSAQGGIAPFA?
AC106	PLLLQTLNFAELNSGSYR	PLLLQTLNFAELNSGSYRIQFGQISTTSEEGNLFSLILHLPVDPHKECESQHQ*
AC107	PENPLFGMEPNLK	PENPLFGMEPNLKSFHKKSLLYLLTNSHILLNRILVRKVFICLPY*
AC108	NLVLKLCQSFR	NLVLKLCQSFRNYNLRVINAYFEWRYIGNIFHCT*
AC109	PILWITLPLNK	PILWITLPLNKRHCLLYLNRWPKNAMQKCVLQKKKKKKMQQT*
AC110	DVSAGIHVGLEPFEDSLIK	DVSAGIHVGLEPFEDSLIKDIAVGMYNLKFYNQFCKTDPAFENTFRSLTQITTCGH*
AC111	PCFSLGNFSSTINLTVR	PCFSLGNFSSTINLTVRNFTLDIYVC*
AC112	EESTSKAVGSCK	EESTSKAVGSCK*
AC113	IVSHLWEFLYLIFVCYVR	IVSHLWEFLYLIFVCYVREIIKKLSQLCCTVFYAN*
AC114	YPLITLLHPR	YPLITLLHPRRKTAEFSQ*
AC115	PGVSAAPLGGSQAPILR	PGVSAAPLGGSQAPILRGSAAARKYGRKQSNQHFTGALKSSEAAPAAPTEAARFLTAG*
AC116		PGVSAAPLGGSQAPILRGSAAARKYGRKQSNQHFTGALKS*
AC117	PLSYLSPTLCKDVFR	PLSYLSPTLCKDVFTSSPVFKMLPITEYSFRVLKCKNLASWVVVCQ*
AC118	PSVKHFLYLNQPR	PSVKHFLYLNQPRQETLLLGFGQQVQNSRSPPFQMGFPAKQKIIP?
AC119	LPFSPTLLCK	LPFSPTLLCKRDVPW*
AC120		LPFSPTLLCKMDVPW*
AC121	LLVLKEPNPR	LLVLKEPNPRWRHKTLPKLCPLERATEDELKLPTRPTLVP*
AC122	LCLASVGHISLR	LCLASVGHISLRCLFVLSLVLPICGQENIQQLFYVGY*
AC123	AQICAVLLLGR	AQICAVLLLGRDGTGHEDTGAAGVAPSWVLPSP*
AC124	LSFFLYQLSPTSGNPPK	LSFFLYQLSPTSGNPPKSLTPCYRVGNCKIFTKNEVYSIGLNSSFLPFQK*
AC125	YCLLNVNQMSVPFKTPCCR	YCLLNVNQMSVPFKTPCCRYMTWLCICLALNTSSHMLWRFRNHNQNV*
AC126	CTESKIISLGK	CTESKIISLGKTVGLKTREVVDAPTEAFKIQLYGALSILV*
AC127	NNMPLFYNTCDYKR	NNMPLFYNTCDYKRYLQSYDKTKVCIFKTGF*
AC128	AISLNYMLL TEAVDNYNYLK	AISLNYMLL TEAVDNYNYLKS*
AC129	IDAIFHVKR	IDAIFHVKRK*
AC130	IDILGVAILGHYR	IDILGVAILGHYRYAKIEYSIHSRFFFFYLSWWFLFVCLFVLIFNHGTN*
AC131	IICFFILLKSLK	IICFFILLKSLKQCL*
AC132	IIHSCDLQTLRGK	IIHSCDLQTLRGKFTKFFNTSILFFHRYEMYILYL*
AC133	IILHYYGTSPPPK	IILHYYGTSPPPKGSKAVGK*
AC134	IIVKLQGYLK	IIVKLQGYLKQTSFGSLLPMEASISPYIFSVNLSQQLISVIFVVASCCGFWTVFHAV*
AC135	IKIVLSPENNSK	IKIVLSPENNSKAYQHFAA*
AC136	ILEADFRSPK	ILEADFRSPKGLICKISLRNTSYGE*
AC137	APRPQVPAPCLPAR	APRPQVPAPCLPARGPARPSRGRAIASAPGLGG*

AC138	ILWKPGQGENPK	ILWKPGQGENPK*
AC139	IPLHNEGMLK	IPLHNEGMLKHQISALKVLVNAAHKH*
AC140	ISMSTAALGSSK	ISMSTAALGSSK?
AC141	IWILDGHVQWLTHAR	IWILDGHVQWLTHARACTCTLTHTLQYSASI*
AC142	IYSNNFSLVSVCK	IYSNNFSLVSVCKFFIRKLFFCCCCFKLIQVRRRVH*
AC143	KNLLSAIPPSGLPPK	KNLLSAIPPSGLPPKLEGVSVRFFHCLQ*
AC144	KNLYLFILAQQVAK	KNLYLFILAQQVAKIHFFCLYNLSLNGMSRSIIVMQRL*
AC145	KTSQMYGDVR	KTSQMYGDVRRRVV*
AC146	ARPHLHTSAGAR	ARPHLHTSAGARGRVKPFRLP*
AC147	LAGLFGSPSQR	LAGLFGSPSQRVHFYFV*
AC148	LESPGQQUEMLK	LESPGQQUEMLKPRAFLREYILEECLKPHFVTAENNVATLCVS*
AC149	LKLLYCLISVMR	LKLLYCLISVMRNQRQ*
AC150	ASFAQGNCAIKHSAFSPECLHK	ASFAQGNCAIKHSAFSPECLHKTVMKNTNRVFLSTTISTQTSLTPTQIPTAVASLTKA*
AC151	LNVATVWFR	LNVATVWFRVALYGQCGAHHGQCGQHGQAQSGHLTQFISQRGQYVTQCGQCQVVGQGGQHGQCEAHSQRVAL YSPCGQHTAPCGQHRAQCGHLTQFMTECGHVWLSVANVSNTQLHVANMELSVVTSPLN*
AC152		LNVATVWFRVALYGQCGAHHGQCGQHGQAQSGQLTQFMAQRGQCVTQC?
AC153		LNVATVWFRVALYGQCGAHHGQCGQHGQAQSGQLTQFMAQRGQCVTQCQGCQVVRGGQRGPCVAHHGQQRVA LYGQYQHTASCQGHGARGCHLTQFTSQSGQCVSQCGQCQVQSGQRGQREAHHCQRVALYGQRGQHTAP CGQHGSQCGHLTQFMAQRGQCVVQGGQHGPCVAHHGQCVALYGQRVQHTAPCGQHRAQCGHLTQCMAC GPRVTTDQCVAQCGHCGQHTAPCGQHGQAQCGQLTQFMAQRGQCVTQRGQCQVQSGQRGQRAHHGQR VALYGQRGQHTASCQGHGQAQCGHLTQFMTECGQCVTQCQGCQVVGQGGQCGQRAHHGQRVAVYGHCGQH TAPCGQHRAQCGHLTQFMSQRGHCVVQGGFIWPMWSSWPVWPTRSSEWSTHIYGSTWAMCDSV?
AC154	LLINKIQEGCILK	LLINKIQEGCILKHSKNTISYDLTDIIKLLPDFLFLKLT*
AC155	LLLQFILLPMRK	LLLQFILLPMRKLST*
AC156	LLQSVPCCAR	LLQSVPCCARREVKLLLTRAPRSPPSVPRDPELRRLRGSVHL*
AC157	LLVTTPGSHTARLDFSR	LLVTTPGSHTARLDFSR*
AC158	LLVTYNLVLK	LLVTYNLVLSRVFFRSQRSVSAQSALYVLQVALNAFHINSLTS*
AC159	LPWSHPLVTGLQITFK	LPWSHPLVTGLQITFK*
AC160	LTIYSSSVSHILSYVINALDFK	LTIYSSSVSHILSYVINALDFKLRHESSTTDACHKHRIRRQ*
AC161	ASLDLGLFTR	ASLDLGLFTRKCKCVELVDIIL*
AC162	QEKQGTNTTEGK	QEKQGTNTTEGK*
AC163	VLNFMWWCEKAR	VLNFMWWCEKARHDLCRNVNINLISTYKAHNR*
AC164	WPGVGTAGLR	WPGVGTAGLRTAGRGAIWVQNPKYPH*
AC165	KAVCLICTSVISFK	KAVCLICTSVISFKVKLCI*
AC166	ASSPICNSMSNIK	ASSPICNSMSNIKDIAFYLIIFGRISHCANR*
AC167	LTHNFTATSSHLPDVR	LTHNFTATSSHLPDVRPADLCCKTHQQARFGS*
AC168	EDICLVNTLLIK	EDICLVNTLLIKSCDFLHASNLKPACFLHQAFLSDT*
AC169	MCFWPGFTWLEGESGIQFLFK	MCFWPGFTWLEGESGIQFLFKQWVLCAEADSLRPPALVSYFGQQQLSTAS*
AC170	KEESVGIGGEK	KEESVGIGGEKFKRSVGGGRVGMYSHC*
AC171	EQFCVNVTVEMK	EQFCVNVTVEMKMCCWAVFAPS*
AC172	GGTETGISLHQIK	GGTETGISLHQIKPLTCC*
AC173	SSQLFMQCHK	SSQLFMQCHKMC*
AC174	AVGLGGGQGGRR	AVGLGGGQGGRETAPHVFTCKNRARGLQQTPELDHTKLWSVTGPAA*
AC175		AVGLGGGQGGREAPHVFTCKNRARGLQQTPELDHTKLWSVTGPAAE*
AC176	QEGPTQPRWALTPNR	QEGPTQPRWALTPNRIH?
AC177	QIYQAVEKMQK	QIYQAVEKMQKQKQRLKSRPLMKHQWAQMSLGLKMIVKKIQVIKKV*
AC178	VSRNIIFISLQEIASGESCR	VSRNIIFISLQEIASGESCRCEKY*

		RAGGGAAAAARGKCCCGSCAFACGRAGPKRCAIRWRRKWRGTRWWATSPRTWGFLRASSRLARRAWCPR
AC220	RAGGGAAAAAR	GASSISASIRTAAS*
AC221	REQTCIGICSPAAK	REQTCIGICSPAAKHCLLPEENR*
AC222	RMGSPPTIGWGPPEGLPLK	RMGSPPTIGWGPPEGLPLK*
AC223	RPYEVSAAPR	RPYEVSAAPRPSDINTPG*
AC224	DLFLTRIVLLK	DLFLTRIVLLKEAGAHTLI*
AC225	SAPLILCQYVVK	SAPLILCQYVVKKKD*
AC226	SCALQSLTNSSSK	SCALQSLTNSSSKCLKEKVMPISAFVFSGLI*
AC227	SDCFSALRPAK	SDCFSALRPAKCCA*
AC228	SFLAQETTNVFKR	SFLAQETTNVFKRFYRKS*
AC229	SLPAVAGAPDSSES	SLPAVAGAPDSSESRLVAPVLCVHTLL*
AC230	SLSVFCPGIPGLELTFR	SLSVFCPGIPGLELTFRKKETQ*
AC231	SLVPIRIYQK	SLVPIRIYQKLCVITTLKVYRSTHYLNKHEMLQGHIRQFQ*
AC232	SPAPGPAAPIR	SPAPGPAAPIRAT*
AC233	SRGDGSVAIR	SRGDGSVAIRVRILYWSIA*
AC234	DLLATECLVLRVK	DLLATECLVLRVKPIFP*
AC235	TPTLSSSWFSIRK	TPTLSSSWFSIRKNVPGPMD*
AC236	VAPGERAGPGGTATAR	VAPGERAGPGGTATARKRPRGAAPGAGPGGRPAEPGRAGGEAGGEG?
AC237	VGLWGQGQRGILR	VGLWGQGQRGILRL*
AC238	VILLRAMSCHR	VILLRAMSCHRNVSLLRVSCH*
AC239	DMGEPIAKTNANK	DMGEPIAKTNANKAM*
AC240	VPLTNPPVPSK	VPLTNPPVPSKFGITF*
AC241	VQETIGEALSVLK	VQETIGEALSVLKSAQARNTASGIPASTKLEV*
AC242	VSGVTSNGMLKR	VSGVTSNGMLKRHLDKTLNGFLSLK*
AC243	VTQFFVVPDKK	VTQFFVVPDKKNVSWLL*
AC244	VTTAGSCTPFTAR	VTTAGSCTPFTARTWDVFPSYSWIG*
AC245	DPPVFSGGEYLYLKLK	DPPVFSGGEYLYLKLKKNIT*
AC246	VVPSVTNISLAPVRGR	VVPSVTNISLAPVRGRLLKGWK*
AC247	VYALNGQDLIPQAR	VYALNGQDLIPQAREMCCFHTFIITRAGFRSCANGITEYKA?QV*
AC248	VYGWGSLSQLAKEGLSFSPSAAK	VYGWGSLSQLAKEGLSFSPSAAKVVISSLAEQPHSS*
AC249	WDMLLLTQESCALK	WDMLLLTQESCALKMHTLKGTPELALLLFCFARVWVLRVVRVSWSD*
AC250	WELGDTAVGVYK	WELGDTAVGVYKVQGEWLTQFFPYRCFAAHK*
AC251	WISLLLFLVQAGK	WISLLLFLVQAGKAQNPFYAKAATPWEHL*
AC252	EELNIYQARGFQMLPK	EELNIYQARGFQMLPKVGAJ*
AC253	YHIIWAFKDVGELLAEVFDR	YHIIWAFKDVGELLAEVFDRVSV*
AC254	YLPVEGSWMK	YLPVEGSWMKPLGNVL*
AC255	NEVSFVIHNLVPLAK	NEVSFVIHNLVPLAKMAAVSKACGNMFGMLHGTCPETSGR*
AC256	YPPVFAAQLAALK	YPPVFAAQLAALKGIPQESLQVAVLVCLA*
AC257	YQATQNGKWK	YQATQNGKWKRLPGVAACPLLGS*
AC258	YSYLHRNHPSK	YSYLHRNHPSKMYLHIFSIT?
AC259	QNIIEVFPSSVSK	QNIIEVFPSSVSKTNSVDLVLDC*
AC260	EESGCAQSTGK	EESGCAQSTGKDLVPLLIQTSK*
AC261	EESLCVGGCLGAAVRER	EESLCVGGCLGAAVRERAGELTSPFW*
AC262	EIMKTSYLLEGK	EIMKTSYLLEGKKLT*
AC263	ELRELETVSQK	ELRELETVSQKRRFA*
AC264	EPGGGFYER	EPGGGFYERAWLAEPRTCPPTAARTAGGGPVGAPTCRAERICRRTASLQPYGLSPSPGWKCAS?

AC265	EPILPGDLSLPK	EPILPGDLSLPKKPLGYRLPTCFLKVFRVPPDIKQLSVQFSVDILSTFNKEIASEPPHGNKQDLAVNTCSREKPQ SNDLKCVLIPP?
AC266	EPLPRDPTVSSK	EPLPRDPTVSSKPRQKQDNCESTHQASSGSMAR*
AC267	WGVGSHMWGLGAIR	WGVGSHMWGLGAIRGRWDP*
AC268	ESGQSGRTR	ESGQSGRTRIHSCHRTSALG*
AC269	ETQIAFYALLTK	ETQIAFYALLTKAITWCNICTERKRKYRSKRTSKGYERA*
AC270		ETQIAFYALLTKEITWCNICTERKRKYRSKRTSKGYERA*
AC271	EVKWSGGSLR	EVKWSGGSLRSKSNKV*
AC272	EVLGPGFLTHGTR	EVLGPGFLTHGTRVSPNFSLRGAGGGQIVPPPTLFFPT?
AC273	EVTSVSTQNAQK	EVTSVSTQNAQK?
AC274	FHFSFPIFSHSWPLSHR	FHFSFPIFSHSWPLSHRPLRALQLLL*
AC275	FHVLTEIASVVKKLWSGQKSRFLEGVNKSNYLLGLFSYLELRIDGNADYVFLPAGCLCTLFEVLGVFPSSSDE LFAKILQTREDEAGEILKVVRH*	
AC276	KGNSLVPPIR	KGNSLVPPIRQSTIGLPRILINRKVGLPRMATCSLIPTTPIYITAPEKGRQMSNQRLSVLVHLMIAKRRLRT*
AC277	FIIPHTLDILK	FIIPHTLDILKLQDLCVK*
AC278	FMVPPFNQILAYCFHR	FMVPPFNQILAYCFHRKSDQCNCVDTRFVKRMGKPSWPR*
AC279	FPDCATAQK	FPDCATAQKVIVTVMKKQPTLAK*
AC280	FSLGLLVSASSK	FSLGLLVSASSKSSSGAKEHLKGLQHQLGNNSISAGQKQLHCNEPSC*
AC281	FSPCLGPAAPFPR	FSPCLGPAAPFPRGGGVLGRAGPGRAYSTRAHAHGKKTNE*
AC282		FSPCLGPAAPFPRGGGVLGRAGPGLLTGAHTRKEMPERMNKKKN*
AC283	FVICPILWLGR	FVICPILWLRFRFGQNF*
AC284	FYLLNNVLPKLSHR	FYLLNNVLPKLSHRTCKAS*
AC285	GALGLSLGRPR	GALGLSLGRPRGLSARRRRRPGEEQQGQGRQLAAEPRAHGRALPSSSSSPRPPPPRAAAAAAPGPSA LLAAPRTACARRCSARVCGGAGGCLKYPRRAPVALA*
AC286	ADQGAGVPFSHEEQKQLVFSTVK	ADQGAGVPFSHEEQKQLVFSTVK*
AC287	GDFAVSLVDNQGSSR	GDFAVSLVDNQGSSRRRLRTAQCTPSTLRCSGWR*
AC288	GEYHPPSLTK	GEYHPPSLTKSLPAQDKALTPLLRTNPAPTGHPHCTQYEGLDLQFCRL*
AC289	GGGLLWQCPWPGALAGGR	GGGLLWQCPWPGALAGGREFTALSLEYVVGVAGECPPAMALQFLAPVAVLLQVCVHR*
AC290	GGVTGGCLRPR	GGVTGGCLRPRLHVVRGCGCFRGTSVPSDQSVSM*
AC291	GINDGKLWCLHK	GINDGKLWCLHKNMPNVTLPN*
AC292	GLFPLGNVTKR	GLFPLGNVTKRGMSDAGMNPWEPPTEQR*
AC293	AEGSSKLTEGIQSGQK	AEGSSKLTEGIQSGQKGP*
AC294	GLKTPSETLDLCGTPPLLFSSLR	GLKTPSETLDLCGTPPLLFSSLRCDTRWLSVEDKEEPVLQAFNIVD*
AC295	GSAHAQCGAVK	GSAHAQCGAVKLGACAVRMPARRMRSGSLKRPEFA*
AC296	GSAVSAVFYK	GSAVSAVFYK*
AC297	GTRPHFQTLLTK	GTRPHFQTLLTKP*
AC298	GVPLRGGIPK	GVPLRGGIPKILRTSQVKRARYPESEATAPSGM*
AC299	GYVQCWGFITNLSKR	GYVQCWGFITNLSKRKINLYRFWIIHWSPKP*
AC300	HGCGGQKEPAGPER	HGCGGQKEPAGPERVTAGGGAPPGRARRAGRRARMRTR*
AC301	AGGLGALCSPR	AGGLGALCSPRLGTRGGHTAGQGDGSDVHPRAGCMMCAQRHTAAHLSPRHHPV*
AC302	HLNRQGMNK	HLNRQGMNKEHTRIMLQ*
AC303	HLTLWIILQK	HLTLWIILQKSKH*
AC304	HPLPFRSIGK	HPLPFRSIGKELTKR*
AC305	HPSMLTLEPLAPER	HPSMLTLEPLAPERGFCTCH*
AC306	HSLQWPLVPR	HSLQWPLVPRDASGLPRQEPL*
AC307	CDLFSCIFSLK	CDLFSCIFSLKSIYAASLGRHKQVC*
AC308	CKALSVTGFSITTIQR	CKALSVTGFSITTIQRHYVVLVSKHDPRLGLLLERLHQGCSSADLCHAFPRSAQQ*

AC309		CKALSVTGFSTTIQRHYVPVSKHDP RPGLLLERLHQGCSSADLCHCFPQVCSAVIPLVQCCRAAQASLTG*
AC310	RVSCVSLAGFWSMTVFGR	RVSCVSLAGFWSMTVFGRKH CYRLYTEHLHEAVRWVCAVQKVIDSKAPVQTPTQLLMRDVEVSVGLRALHRA
AC311	DFLKQINATTR	GSPVAAAAIASPLQEHC GSPEVLEQIYRCNPILRYTSSPLYAPLLPFYPYGLDQRGGERCMGYHSRVLPGWV*
AC312		DFLKQINATTRTKKTTLNTREIWGR*
AC313	PAASPLFVLCDFALAAVKR	PAASPLFVLCDFALAAVKR?
AC314	EVFMWMTR	EVFMWMTR*
AC315	ARGDAVAQSPIR	ARGDAVAQSPIRAGRAPGLRVEGCACMQGCALSPPG*
AC316	LSGAELSTDGREEHR	LSGAELSTDGREEHRCSKS*
AC317	TVIVLNIYFVYK	TVIVLNIYFVYKKKH*
AC318	ETWGFPH TINEKGLSLSCSR	ETWGFPH TINEKGLSLSCSRSP T*
AC319	MDCLNCTLFTSSTFVGKIHK	MDCLNCTLFTSSTFVGKIHK*
AC320	QTKQNNNNNK	QTKQNNNNNKDDCFLLV*
AC321	LNTGQILLGNAASTNSR	LNTGQILLGNAASTNSRAFICLRYLPKPWEVIVSLYFSSES*
AC322	ATVLMVTRSLER	ATVLMVTRSLERCFCLLRVCLPRL*
AC323	HLLNHGAPK	HLLNHGAPKKGL*
AC324	HSAPLPNSTSKR	HSAPLPNSTSKRAAG*
AC325	LQEINVALGEKK	LQEINVALGEKKLKNPNQCKEQL*
AC326	AGSPVIYQHWQTLAER	AGSPVIYQHWQTLAERASGGLH*
AC327	NNSSKFHPQPK	NNSSKFHPQPKHFISGRWLHSIH FYLPSGYILTMVSSELKFSLTSRESA*
AC328	MKSPSISQAILVGLSLLPGVFYPK	MKSPSISQAILVGLSLLPGVFYPKSDGEPQIGIDPNGRDASWKFSERG*
AC329	LQSYIVAIFVISFQLPYDQYK	LQSYIVAIFVISFQLPYDQYKTL SIVYVVAL*
AC330	LGKFNSVNL SYMLVGLSAR	LGKFNSVNL SYMLVGLSAREMSHIPLVDSYL*
AC331	GHLDKLEPSK	GHLDKLEPSKITKFESAFLAHVLSQHEALLSTIRYDIVILLHPKGTDLRAGAQMIAEPLS*
AC332	QRDAASSPTFGK	QRDAASSPTFGKPGGEKGKRG LPEVSSIPLWDL LLEGEPRHRD?
AC333	VADPQAHLRAANPLK	VADPQAHLRAANPLKNTWCFLPELSYSSSASQREHLEGLPYRNSLVSSARVTETGHLRSE?
AC334	TFDQLTPEESK	TFDQLTPEESKERLG*
AC335	RSDVTYSIIDLILSIPGK	RSDVTYSIIDLILSIPGKWL TSEDETSQEQDFEYKNKGRCWGPKQQCVVPYWKPPALPGPLSPHTPAGPGSP
AC336	SPGGGCWGSQLAAGR	RQRLPSG?
		SPGGGCWGSQLAAGR?
AC337	WLNSTIHQSLYK	WLNSTIHQSLYKQNFPCSLCGFCKAFPSFSDALKHFSHARINTHL CQYFCTLSCSKEFLVYLASITKFIPHTSTS*
AC338	GCIKYEDPTLLPK	GCIKYEDPTLLPKGAS*
AC339	LLLLDDTVAKISK	LLLLDDTVAKISK*
AC340	CLCVPVDQR	CLCVPVDQRGCLCRSQAMTNPATTS L TSCH*
AC341	NHCCFSMGKQTSR	NHCCFSMGKQTSRFFRPSFCDIPSTGAYLSCLAFIS*
AC342	QAVINWIIFRDK	QAVINWIIFRDKCIKYLRKRLFRQWRHVIS*
AC343	WIGTDVNKYLSSR	WIGTDVNKYLSSRY*
AC344	YVNLEQPEPR	YVNLEQPEPRILLFFSRYVPEHK TSMFKNHISLLK*
AC345	WENSVC SHLKASR	WENSVC SHLKASRDEYL THITSLISVIRNV*
AC346	DLNLNLCILKWER	DLNLNLCILKWERDHREWKDGWQAWMNAPVRF SVLDCRAFP GPD T NI*
AC347	LFSCGTSYR	LFSCGTSYRPISVLI*
AC348	LVGLTVPGHR	LVGLTVPGHRDPSIHL CVHQRPAKSHAAHRAFLHRVPLTSLIPKYEPTTL*
AC349	VLWVMGAELAGKEYDCR	VLWVMGAELAGKEYDCRSLLV*
AC350	SSPEDDVAEQEKSSVSLK	SSPEDDVAEQEKSSVSLKSSSAQAFLICLSLQREGLGQSQRFGWLKPSKDVMMCKASLTHMHIHQSYRAH*
AC351	VVKVIPAI VSSSEATNTQNYAR	VVKVIPAI VSSSEATNTQNYARCEDYISLYTYTVFYT*

AC352	EVCIPCIPIR	EVCIPCIPRSIFVHDSWKKEHII*
AC353	AAARAVSPPLNLEPR	AAARAVSPPLNLEPRPGANFSPHFLVLPNCHFCWTCI*
AC354	KNSQDLLYVEK	KNSQDLLYVEKHFLHYITEITSGFLA*
AC355	MSPVYAVDPK	MSPVYAVDPKCG*
AC356	CTNIFRLQLSYK	CTNIFRLQLSYKYGAS*
AC357	DVPFQEVISNSGIWVKQDTK	DVPFQEVISNSGIWVKQDTKCINFSINTIIHKCSYSLIPRIKPNMAVQR*
AC358	HTSVNLSEIKQCICK	HTSVNLSEIKQCICKVSKMVSASV*
AC359	VPRFGEVSSHTLK	VPRFGEVSSHTLKNMKILLSP*
AC360	LFIWFLMK	LFIWFLMKNAIAK*
AC361	SMWFGLPNCLGNKTAQLLFK	SMWFGLPNCLGNKTAQLLFKATMLGGLPMEITEKGRSSAVSLMKVKSRSHPDTRTFSPSGYKAPILQKHSLI
AC362	SLLEINGYLLK	SLLEINGYLLKYTNDCKSTWTVSSK*
AC363	KCFCTLETSSAQQHNPGLR	KCFCTLETSSAQQHNPGLRHGSAGEWCEGEQLEQGDLTGTGGSLSWH*
AC364	SSSLVFAEGLNSSNK	SSSLVFAEGLNSSNKKLQYN*
AC365	ENSAKLILFLK	ENSAKLILFLKSY*
AC366	LKNSILLVNSVSK	LKNSILLVNSVSKSLSSAQTKPLQTCHF*
AC367	PADLPALLHNAK	PADLPALLHNAKAEPWLQTCMGKPWWAASLKEHPAHSTTCTHTPTHAQTPTEAGTQTASYSS*
AC368	QNEHREPTIQSTQFTK	QNEHREPTIQSTQFTKMS*
AC369	SIAPCFQCADPSLSCK	SIAPCFQCADPSLSCKYSNRLTSRLIYLARAI*
AC370	PAITQSVTGKILR	PAITQSVTGKILREGK*
AC371	IVLATSLLLLFR	IVLATSLLLLFRKCMVLLHRAGGCESYKLQKKVIAELVY*
AC372	WFLVFTASR	WFLVFTASRSQHTLNS*
AC373	IALLKTIITTVK	IALLKTIITTVKMRLIAFFFFSYRESSNPCCCRKVMGDISSAGETYRDILCL*
AC374	VLLGSTRFLHR	VLLGSTRFLHRCSCSNGAPST*
AC375	LLKSLHFSAK	LLKSLHFSAKQNKTTFLMI*
AC376	VALIIDVSTCAVPK	VALIIDVSTCAVPKNV*
AC377	RPNSAPPPQLR	RPNSAPPPQLRSLALKATPPAFKPRPPRLKPRPHTVTTPPYAEAPPPAGRPAI*
AC378	MSLLFNVFR	MSLLFNVFRLSADQKSI*
AC379	KEFSATLTLEVLK	KEFSATLTLEVLKMKASTLTYYINNDLF*
AC380	SQRTVPGLQWK	SQRTVPGLQWKRVLPISIFYKKKSP*
AC381	SGGGGMVRLIR	SGGGGMVRLIRATIPRHAFISAGALLVSLAAVTPTNRTAV*
AC382	LLHHLALDTQK	LLHHLALDTQKEQNLEFTVALACYSSCNSAVH*
AC383	VLYGNEVLSSK	VLYGNEVLSSKNVWLSETKILN*
AC384	LDLHSCRPPQK	LDLHSCRPPQKGT*
AC385	IILILEQIVFKR	IILILEQIVFKRMNSCLQGQRMYSVLQGFCKRKNKSQMLP*
AC386	TKYLLVEDILVNSIAHELTNAFLGK	TKYLLVEDILVNSIAHELTNAFLGKTQNLNCYCEVFVAYSFNTRKFDDLPCVCF*
AC387	NTLLYFSEMLEGVSAQSKTNR	NTLLYFSEMLEGVSAQSKTNRVGPCLPFLVPTVCYACYEKNIND*
AC388	ASGLGAAGPGEPHEL	ASGLGAAGPGEPHELRSVPSALPADLRQIIRFVKPAPIEQELSKKQKKQEGGRKKAAGGERVLEEQMNMGMV
AC389	GEQPMTLHKLVLK	GEQPMTLHKLVLKQDWSGMLHGERLLIA*
AC390	LVAEQLQK	LVAEQLQKQGHQPSTSPWNTPIFVIKKKSGKYRLLHDLRAVNAQMMPGALQPGLPNPAMIPENWHLLIVDLKDC
AC391		FFTVKIHPKDTPRFAFTVPTTNRGAPAAASYEWITLPQGMKNSPTLCQLFVD?
AC392	KTFPQPLQSTK	LVAEQLQKQGHQPSTSPWNTPIFVIKKKSGK*
AC393	KDILNGYFAEK	KTFPQPLQSTKANTYRENIH*
AC394	KQLHVQPVVK	KDILNGYFAEKN*
AC395	RGLPAPCGAGK	KQLHVQPVVKAQSGH*
AC396	DLGETGCVQK	RGLPAPCGAGKLIPLVLAMPGITPPWHPYLLGEPQHCTRPLW*
AC397	TFEAGPDNVQSEMLQLK	DLGETGCVQKPSVPAALCRPFCTGEACLRFLIDN*
		TFEAGPDNVQSEMLQLKSIFSVGAV*

AC398	TVSVMQFQLGKR	TVSVMQFQLGKRPCNMWTGCLQLYAFSQNKAGKEL*
AC399	YTNLTHSFSSR	YTNLTHSFSSRNILLTHIPSISESSPSYLVFCNRAPK*
AC400	GVLAALPGPCRR	GVLAALPGPCRRSSACGEHCYLWVGRSCPRICVSFCWFNGACKLAAVQAWHEELGLAGGSLSYSSDGENPMQ RAHTSTAILL*
AC401	GQAFLWCTLVGRK	GQAFLWCTLVGRKRRKKKSEHHILYWDKTNLYGENCLQNHPIRHTSHSVIPKGHPHYRNVCCPHWKHGMLS AAQTLNN*
AC402	NNIWELPIMNKFEMIAVR	NNIWELPIMNKFEMIAVRSLCLERELKAITQTRVFSIHLTVFFYLVVSWEYFIYAHIMDLNMLGFYIKIKQIKDKHIL GFASLRAEYLLSSNGINTITYINPHPSLKTNRCLQSYKSNLNAAKMLSEVKPTSIRSRTFSQGMKKTHPQYVIVSA DISYLGRQTNEPIT*
AC403	PARVGGLHGTAAR	PARVGGLHGTAARLTRAAPGGHPARLRRTTEWARGRPAGGRSWLLGPGRVTMRSTAEAPGPHVRLYIRREH SALVYTLSSLVALHRLNPFINVYFPGSHNHVALVTSAHFHKSASFAD*
AC404	QHEAGSWLPEATASTWRHSPVR	QHEAGSWLPEATASTWRHSPVRAKLLHVLQIKLYSA*
AC405	SVICSNTHR	SVICSNTHRNTECLLIILEFIISNLCYCYAF*
AC406	ELILKLNIPK	ELILKLNIPKHL*
AC407	KDAPHALLFADK	KDAPHALLFADK*
AC408	CSALGSDLWSVQWGFCWPR	CSALGSDLWSVQWGFCWPR*
AC409	GACSYPCSVLIQQYGDAERQLGLCF K	GACSYPCSVLIQQYGDAERQLGLCFKELRLAPPVHTLSNGLEDPYFGGAANATEHHMKSARNDCMFDLGFII *
AC410	IPMLHSMQEQLCLKQSPLPR	IPMLHSMQEQLCLKQSPLPRCAVWEEAQ*
AC411	LPFPRHSTGAR	LPFPRHSTGARY*
AC412	CCPGEINPQKGMEK	CCPGEINPQKGMEKQ*
AC413	EQVRILTPPK	EQVRILTPPKSSTCPSRLKLVAKPVRLLILWIFLGACCFETNIWSDCESSVSMQPRSCIAAVLPGYFFREEQVS QESWLSSLGAWSWGWTFCGWGNSRERHFRTLRTIGTWFCVLPKQIALRSLLCVPRVRFWCWLLSVLQSVFG WHFYTAAQAATAAHCA*
AC414	KITNILYTPLVPK	KITNILYTPLVPKSNQGLHIASQPEV*
AC415	TLAMGSCRVAVR	TLAMGSCRVAVR*
AC416	NNALPNTHIK	NNALPNTHIKTS*
AC417	SKLLIFIFYVK	SKLLIFIFYVKAFERGIQK*
AC418	TVSCISSQGNCYLTAQSEMQRPTK	TVSCISSQGNCYLTAQSEMQRPTKLSIRNFTLLKLDTLQ*
AC419	EEGRIHQWQK	EEGRIHQWQKAAVGVPLQQDFLQQLQVGSQAASEEATPAVWLSFQRWEFLDLGF*
AC420	FFPIMLSESSQTLSHRGR	FFPIMLSESSQTLSHRGRT*
AC421	GHGIAPRDGVFLMK	GHGIAPRDGVFLMKVETATPGFSPFVSEWLQA*
AC422	KADAGDHTAVPLR	KADAGDHTAVPLRRSVLSCVTDITKEHQNAAGARG*
AC423	SRISSGALVVK	SRISSGALVVKVFATRKLRAVLQTKFK*
AC424	CLMGLMVGVK	CLMGLMVGVKLRLTRSKLECVQVIKSSLDSSKRN*
AC425	EELTADVPLCCLGR	EELTADVPLCCLGRWRKQDTGCTPVCFTQWEKITNNRKKTVLSLILLSNKY*
AC426	SSTHLPVFLFLSR	SSTHLPVFLFLSRRRRYRPRIS*
AC427	NHKNFCVK	NHKNFCVKLRHIFNYTDA*
AC428	YDAKLEEVNIK	YDAKLEEVNIKTFETNMVFIKTVCTRIVDRVFFSPACPELLMYFKQLIYLQHLLMSYFQLKMILFAHVLFLV*
AC429	NILNMPQMLKVK	NILNMPQMLKVKFTILYL*
AC430	TALVPGRHSR	TALVPGRHSRESSKGLRVDSTASISSACAD*
AC431	RPVFSVGFAPAR	RPVFSVGFAPARLILL*
AC432	KSQLEYK	KSQLEYKAFAPLYLR?
AC433		KSQLEYKVLQAPHLKTNVS*
AC434		KSQLEYKAFAPLYLRREKEIRLYSRE*
AC435		KSQLEYKRMGLATVQASRSRVTCISIFLKSAGTGNKQVQKGPQGLSGCKATERRRRSSANAGPV*

AC436	PAAPAARSAATR	PAAPAARSAATRCSPSPRPPRGSSPPPPAPPARPTPPAPTATTTTPSPNPPNPPSPAAATPAPPPRPQPRATA RRPQAAAAAPARCSRPRTAAPWRCRTAAAPRPPPPAPRTATPAAPRIPADAAQACARSRRPPTRSSTPDATP S?
AC437	ALTAAAPSR	ALTAAAPSRWPAPQRQAAHRTAPRRRAAPEAAPGAQRREPRPGRAQPPHRSPPPPPPLWARGRPPLPAAG TPLPVAGRGGWNAARRLRGNGRGGAMEAVDTAFPRSARGALKIARLVGTAPPAPRPLSRPGRRLAAPSALE GGGGCSLRLFRGLKRPTKRTRWR*
AC438	IIWFSVR	IIWFSVRFVKK*
AC439	HLPGSGKR	HLPGSGKREAQKPRRTMWHPN?
AC440	QEIPPGTR	QEIPPGTRPSQMDAPGSKIQLYPAAQAWLSFLPTH*
AC441	AVGLGVEQR	AVGLGVEQRAQVPVCAALLALHSVTALYVQVSRCSMYLALMVSRLVRLKREINPLLFNYVEELVEIRVSVVWPW VGPKAGRGGLTWGSNGKDLGGCLNCR?
AC442	QLPCGKALK	QLPCGKALKDLMVFSVF*
AC443	KLELCVNR	KLELCVNRSVAASLVSLARKQIQAKDYFG*
AC444	PLLFTLKGK	PLLFTLKGKNETRPLLI*
AC445	ELAVLPNK	ELAVLPNKNAKYCASSGFISLVTRE*
AC446	VFLKNLTR	VFLKNLTRIFPRKKGFIFF*
AC447	SDSRCAIR	SDSRCAIRK*
AC448	LLKTNLNK	LLKTNLNKC*
AC449	GAPLAGIAGPAAASVAR	GAPLAGIAGPAAASVARVRCPFGAPSFPRFLFFFNPTTYFFFRLRFSKGFLRLF*
AC450	QLIMVILYK	QLIMVILYKAEK*
AC451	AGSQSCLTK	AGSQSCLTKGF*
AC452	PDLESNPR	PDLESNPRENNYIYII*
AC453	SDMKASFR	SDMKASFREGRSW*
AC454	ATVSLVALVLLHTALLWIK	ATVSLVALVLLHTALLWIKTCLCLPP*
AC455	TFLELIKK	TFLELIKKPPEQWFLKLELQPQGGVGRGFLQGHSLYKLKISL*
AC456	RNDNVLK	RNDNVLKWHILVRSGLCSCIHLIKTAILRMKIQ*
AC457	PPLLQLVK	PPLLQLVKPKVSTRL*
AC458	ALVLHWQK	ALVLHWQKASKIKKKEIFH*
AC459	KWDLLTK	KWDLLTKIISVLCGAIKILAL*
AC460	PSASTDAVIR	PSASTDAVIRHLSK*
AC461	YVAQTEFR	YVAQTEFRPL*
AC462	LILKINLK	LILKINLKNSL*
AC463	QLLGLPLK	QLLGLPLKKPRADWAALAAEAQVLQPRWLHSAWHCGARRLLC*
AC464	VFIQSLRK	VFIQSLRKLTPLNTQPTK*
AC465	ATGSHIHKK	ATGSHIHKKDY*
AC466	LATATHSR	LATATHSRPLHKDLMGNASPFKCAASCLVERHRQPRVPPARGLHSPFS*
AC467	APLLAAER	APLLAAERSGQVCFAAVSSRSYKIMF*
AC468	IDLALEIGK	IDLALEIGKFTLCSHSFLC*
AC469	VYIFGLSK	VYIFGLSKFAQSF*
AC470	SLLQLSSYPYLPILVRLMCR	SLLQLSSYPYLPILVRLMCRRRALSALQSVRC*
AC471	GETAIKSDR	GETAIKSDRLQ*
AC472	VSLKITYSK	VSLKITYSKIHEGKILLFPCYLIFSNNLTSY*
AC473	GGQKPLPLPILGPLGSALSTR	GGQKPLPLPILGPLGSALSTRYGARPVVMAGGFLAGMGFLLGAFATRLSHLYLSVGLLAGMLDDLERGVWPWR GGRYQVI*
AC474	QTLEHYK	QTLEHYKHSIHQT*
AC475	KETSQHK	KETSQHKNSVETEHR*
AC476	KADLDVDER	KADLDVDERNLITWLHKTLPSCSFPSCLSSFSHMR*

AC477	EHAPASPQSACASR	EHAPASPQSACASRESAERMQRPRVRRHAPASPQRKSASRESAERMQRPRVRRHAPASPHSACASR ETAQRMRLCFFPFPPTLLLPVLPFSFFYTCISVYTRMQCFWFLILHATGAWCAESQNSPCAPLWVSNRPSK*
AC478	LAKSLTGK	LAKSLTGKSSNVYSCFICFAGN*
AC479	GHLLEGIR	GHLLEGIRRAPSVCNGES*
AC480	QSLFLLNK	QSLFLLNKC*
AC481	GVPLVGLR	GVPLVGLRPCWVCLQGEDWQEVLLILFKF*
AC482	PVQKVLTR	PVQKVLTRSELFSGSRHAWWALWIGGRLCAFRVYLL*
AC483	PDKQMSHK	PDKQMSHKQAVLFYVCSRNRDLYCHRLSQLHGSASTHR*
AC484	SLFPFSAK	SLFPFSAKNAYNS*
AC485		SLFPFSAKHRQHTNCCQAWHHMLHGIPDQNRKATTSACRELHQQ*
AC486	NSFLFPLSSLSNSK	NSFLFPLSSLSNSKDFMHN*
AC487	YAHKPNK	YAHKPNKHAMVSSQNYRLGLRW*
AC488	RGPPPGHR	RGPPPGHRNGRKTGLEPVRPVPDSSRAAWPPSTAALTSAPPPGRARPWGIRLRGRFGALRAAAPLFAATIIR ? LVLLQLAALAGPQQVAVVAQHRGAAPQAHQLQLRVLVHHQRVLHGVVQQLVPRLQRLEGGRQLLREQRPPQ VGHRVLLKGVGRGEAAVGLGRGDG?
AC489	LVLLQLAALAGPQQVAVVAQHR	
AC490	GSPEGDVQR	GSPEGDVQRLTL?
AC491	WQPARSPPALPSAGAAPQSGPPR	WQPARSPPALPSAGAAPQSGPPRT? KNPPSPFLGGGGGGEKNPLSPPPPPKKKKKRGGGGGGGGAPPPPPPLPPPTKNLGGGRGG?KKPPPPP PPKKKKKKKREGGGAAPPPPPPPPP?PPPLFLFKKKKKQKKKKNIFFFFFFFFFFFFFFFFIKKKTKKKKKKKKK KKKKKKKKKKKSIFFFFFFFFFFFFFFFFCLGGGGGGGGGGGAPKKKKKKKKKKRRERPRGFFCVGKRK EKESVFFFFFFFFFYNKSI*
AC492	KNPPSPFLGGGGGGEK	
AC493	KSIIFLNK	KSIIFLNKSASGRS*
AC494	KLAVLLPK	KLAVLLPK*
AC495	SRITELLQR	SRITELLQRIRGVKSA*
AC496	QNITPSIGK	QNITPSIGK*
AC497	QMLFAVLFK	QMLFAVLFKPI*
AC498	HPVSVSHK	HPVSVSHKSLRCKSTLKQS*
AC499	HLLKDHTK	HLLKDHTKT*
AC500	PGRALPPTPSTLTCSR	PGRALPPTPSTLTCSRRRSPPEESEQRVERLFIEREGGASSRRRSEQNAAGR*
AC501	PGLQESKGR	PGLQESKGRQSKTLILVGCNKGVNYKTKPLLQQYHCQSTKREKRHM*
AC502	PSKSGGGTK	PSKSGGGTKSRSKWLNLEFLSL*
AC503	LAVLHGDRL	LAVLHGDRLRPQVRHHRQGDTPRTRQGHAMTR*
AC504	LGIISSEHR	LGIISSEHRLWIFQTEIFFTSIIHFWSLGFPRKKKLAKRLLHHS*
AC505	LGLVLSAK	LGLVLSAKNIHSCNTGHS*
AC506	VEANEALVK	VEANEALVKALE*
AC507	VEYLLLGK	VEYLLLGKHFFIDTF*
AC508	YSGIQALR	YSGIQALRSK*
AC509	LPSLLQQLAK	LPSLLQQLAK*
AC510	FALTKAIAK	FALTKAIAKRHVSLFIQVVRIPSIELMELLYDDSCNKSINTFAK* ELLVCAPKVPAFFLSFFLSFFLSFFLSFFLSFFLSFFLSFFLSFFLSFFLSFFLSFFLSFFLSFFLSFFLS
AC511	ELLVCAPK	FFFNLLISA*
AC512	DSTAPLGAMGMGGDLGGRR	DSTAPLGAMGMGGDLGGRRDSTAPLGPISGVGGRRDSTAPLGAVGSGADLGGRRSSTAPLCAMGMGGDLG GRRDSTAPLGAMSGGGGRRGSEAPLGAMGEWGGLGGQEEQHGPIGNYGEWGSGG?
AC513	KPCFLVQK	KPCFLVQKLA*
AC514	NAIALHSSR	NAIALHSSRDGIKKCMVQWPRVDLLQRS*
AC515	NVFLHPGK	NVFLHPGK*

AC516	SMYLLAPLK	SMYLLAPLKGEAS*
AC517	HLKILPIR	HLKILPIRDMRSL TEL*
AC518	PPNQIGRK	PPNQIGRKTAGPNPPGRKPPGPPPPPPGRNQKNPTTTKKKNTSPPPNKK*
AC519	ARGATPLGGGAGEGIR	ARGATPLGGGAGEGIRAEPTDRRADGRTDGGPPPRDPPAGRAGLRGAPAAPRRRRRRPSAIDRQATLRQ A*
AC520	ARSGILPVR	ARSGILPVRDNSLIAIFQPY*
AC521	GVPGDPIR	GVPGDPIRMQNGTLCGVF*
AC522	GWQQPVVR	GWQQPVVREVRVGV*
AC523	LLGIKVGSPK	LLGIKVGSPKIDVADIKGRRSPTAITVEL*
AC524	KSTMSITK	KSTMSITKMPW*
AC525	LPATLQRIAK	LPATLQRIAKHSLRPLSLRS*
AC526	KAYTAVEK	KAYTAVEKY*
AC527	KVSFPAILSR	KVSFPAILSRVFRFVSHQVCLKGLIWWKVYGNTSRRYPDSSLKCKKYPIILLKKVVPHQENASDLIDFPLDKCS*
AC528	KFFQLEALK	KFFQLEALKII*
AC529	NNAASVFNK	NNAASVFNKERSI*
AC530	TPGQTLVPR	TPGQTLVPRRRRAVTAVGAL*
AC531	SSSSSCSKLLISLEESCASLGMSSR	SSSSSCSKLLISLEESCASLGMSSRVCVHTYAST*
AC532	RLAEMPGK	RLAEMPGKSLKELETLV*
AC533	RGVVIGGGVATEGGVATEGYPNGR	RGVVIGGGVATEGGVATEGYPNGRGGVIEGAWRWKGRGY*
AC534	IKGLILPK	IKGLILPKLQILQQILQNLNC*
AC535	IATVPEAR	IATVPEARVIHYELSDLG*
AC536	ILIPLKEK	ILIPLKEKPPVNFKEVFSC*
AC537	ILSLGKSVK	ILSLGKSVKENQ*
AC538	QGGGGGEGSRRCR	QGGGGGEGSRRCRGVQRTQNSATNQSTKKVEMNFEGSDSIAQTALCTCVCSWRQTKLNYSVTQKKNRLWGRE SRMKAQESKKFIQQQMRGTEEDWKMDTWGENG*
AC539	PAEVNVQLK	PAEVNVQLKVTVQDVGVLVLYRLLTLERANEENTEKEFKEGKKEGSPVKKKSFLGR*
AC540	PGAHTAVPAAAAAREAAVSGER	PGAHTAVPAAAAAREAAVSGERGRRGRGSGQIHPTGSEGAAGCSAALHLDVVGQLHGAVLSLLGQVDAVQVL HEKRPSQISSPRGLPHTPAQIPNEGNALKNPNRALSLPWLLTGSESSGKEHGRPHERSALT KSCVKAALLNDP NPQHRATGSQRRATPPYPGTEHTAPADGHRLKSCTL*
AC541	LEAQENLQK	LEAQENLQKIILAVQSTDSFQHFSYRR*
AC542	LCGAQTAAK	LCGAQTAAKSSQCRSCMWFLHNMGSVSRNGN*
AC543	LLTAGMLPK	LLTAGMLPKE*
AC544	LALGSALALK	LALGSALALKDFLAFLQVK*
AC545	EVSCPSSIVIMSSSCQK	EVSCPSSIVIMSSSCQKMLKDSTDMLYTVFTLFHGNEDYKHPLFAER*
AC546	DEQLTKLVQK	DEQLTKLVQKGVLPALHRASLPRESGIIPSLPGDPEWCSWHPVGNRLFRMVDGVGKPMINLHPISAVSEHQGI WDGGV*
AC547	AALGAIGASIGASVTQGQRK	AALGAIGASIGASVTQGQRKEAEGSRAHTTVVLTLDRG*
AC548	GHLLKVDK	GHLLKVDKTVEMWA*
AC549	GVRLLALK	GVRLLALKPWGCMGNTTGTGEGRAGAMGLTWTEVSSCSPSCSTLRPIPIHWHSPRGWCCSSALKPHTSVT*
AC550	GQAQKNLKG	GQAQKNLKGKRGVNECYELQRPWGSSE?ALHPGVRGRGGGSGRL*
AC551	GLSISSPGLK	GLSISSPGLKSD*
AC552	VQQVFPK	VQQVFPK*
AC553	VFLGKSLVK	VFLGKSLVKSRQVLQQ*
AC554	VDGGLFER	VDGGLFERVLSI*
AC555	YILDSKMIK	YILDSKMIKDSYPNA*

AC556	YFGQQLAK	YFGQQLAKK*
AC557	SVCLSSQDR	SVCLSSQDRDGLPSWRVC*
AC558	LQMCMSQK	LQMCMSQKLFINKWLGSKSK*
AC559	FANLKTER	FANLKTERVPWEILARKAIFCHCEV*
AC560	LLSPSSSCLLLILR	LLSPSSSCLLLILRGLS*
AC561	GGRSPAGPALGGAPPR	GGRSPAGPALGGAPPRLISSGGAALASPKFNPAYFLFFTYFLSFFPVVLFLLPLGCLSLPPLRC*
AC562		GGRSPAGPALGGAPPRLISSGGAALASPKFNPAYFLFFTYFLSFFLVVLFLLPLGCLSLPPSSC*
AC563	NAAQKAK	NAAQKAKTKGPRRTV*
AC564		NAAQKAKTKGQTEHCRECQNKRPKRTLQGMPRQGPREHGRKCQNTRARECCRECQN*
		NAAQKAKTKGQRERCRECQNKAKGKGQTERNKECQNQRPKRSSQRMPRQEAERSTAKKAKGKGQREHGR
AC565		ERQRECGKGGQTRWPGERGMDGKNIRPNRTLHGTPEVMAKENAAGNAKTGGRKECRKEGQRQWPRQHDM
AC566		ECKNKRTRECSRERQQQREGHRRERPEPRRTCKE*
		NAAQKAKTKRPKRTL*
		NAAQKAKTKGQRERCRECQNKAKGKGQTERNKECQNQWPRRLSQRMPQEAEARTTAKKAKGKGKRQHGR
AC567		ECQN*