

oCNE_id	mouse_desc	ciona_desc	amp_desc	oiko_desc	mouse_id	ciona_id	amp_id	oiko_id
1349598	mitogen-activated protein kinase associated protein 1 - family with sequence similarity 125, member B; similar to RIKEN cDNA 2610528K11 gene - similar to PBX3a; pre B-cell leukemia transcription factor 3	Cytochrome P450 26B1 - Granule-bound starch synthase I, chloroplast precursor	NA	NA	ENSMUSG00000038740 - ENSMUSG00000038718 - ENSMUSG00000038696	ENSCING00000004828 - ENSCING00000004829	NA	NA
1349616	RIKEN cDNA 4930431F12 gene - LIM domain binding 2 - NA	Polypeptide N-acetylgalactosaminyltransferase 10 (pp-GaNTas - Proteasome activator complex subunit 3	NA	NA	ENSMUSG00000066937 - ENSMUSG00000062496 - ENSMUSG00000039706	ENSCING00000005194 - ENSCING00000005209	NA	NA
1349622	mitogen-activated protein kinase associated protein 1 - GTPase activating protein and VPS9 domains 1	Connective tissue growth factor precursor - Cullin-1	NA	NA	ENSMUSG00000026867 - ENSMUSG00000038696	ENSCING00000010720 - ENSCING00000005383	NA	NA
1349625	BarH-like 2 - zinc finger protein 644	Connective tissue growth factor precursor - Cullin-1	NA	NA	ENSMUSG00000049606 - ENSMUSG00000034384	ENSCING00000010720 - ENSCING00000005383	NA	NA
1349646	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1 - ATPase, class II, type 9B - sal-like 3	ETS domain protein Elk-1 - S-adenosylmethionine:tRNA ribosyltransferase-isomerase - Protein UNQ3023/PRO9821 precursor	NA	NA	ENSMUSG00000033016 - ENSMUSG00000024566 - ENSMUSG00000024565	ENSCING00000002179 - ENSCING00000013268 - ENSCING00000002184	NA	NA
1349653	mitogen-activated protein kinase associated protein 1 - family with sequence similarity 125, member B; similar to RIKEN cDNA 2610528K11 gene - similar to PBX3a; pre B-cell leukemia transcription factor 3	Bone morphogenetic protein 2 precursor - LIM/homeobox protein Lhx4	NA	NA	ENSMUSG00000038740 - ENSMUSG00000038718 - ENSMUSG00000038696	ENSCING00000001561 - ENSCING00000001549	NA	NA
1349788	similar to iroquois-class homeobox protein IRX2; Iroquois related homeobox 2 - Iroquois related homeobox 4	Aquaporin-3 - Netrin receptor UNC5B precursor - Vacuolar protein 8	NA	NA	ENSMUSG00000021604 - ENSMUSG00000001504	ENSCING00000009585 - ENSCING00000009586 - ENSCING00000009588	NA	NA
1349840	similar to 60S ribosomal protein L7a - G protein-coupled receptor 26	Serine-protein kinase ATR - Probable RNA-dependent helicase p72	NA	sco-spondin flags; precursor - lim homeobox protein lhx1 - homeobox protein lim-1	ENSMUSG00000062758 - ENSMUSG00000040125	ENSCING00000004147 - ENSCING00000004150	NA	GSOIDT00007000001 - GSOIDT00006999001
1349849	vacuolar protein sorting 41 - POU domain, class 6, transcription factor 2	G1 to S phase transition protein 1 homolog - Goliath protein precursor	NA	NA	ENSMUSG00000009734 - ENSMUSG000000041236	ENSCING00000007500 - ENSCING00000011573	NA	NA
1349879	teashirt zinc finger family member 3 - zinc finger protein 536 - expressed sequence C80913	Homeobox protein SIX6 - ADP-dependent glucokinase	NA	NA	ENSMUSG00000043456 - ENSMUSG00000030421 - ENSMUSG00000021217	ENSCING00000005833 - ENSCING00000005828	NA	NA

1349882	IKAROS family zinc finger 1 - fidgetin-like 1 - NA	Elongation factor 2 - NA	NA	NA	ENSMUSG00000035455 - ENSMUSG00000018654 - ENSMUSG00000073145	ENSCING00000014672 - ENSCING00000014673	NA	NA
1349883	RIKEN cDNA 1700020003 gene - estrogen related receptor, beta	Elongation factor 2 - NA	NA	NA	ENSMUSG00000021254 - ENSMUSG00000021255	ENSCING00000014672 - ENSCING00000014673	NA	NA
1349895	testis derived transcript - transcription factor EC	Connective tissue growth factor precursor - Cullin-1 - PHD finger protein 7	NA	NA	ENSMUSG00000029552 - ENSMUSG00000029553	ENSCING00000010720 - ENSCING00000005382 - ENSCING00000005383	NA	NA
1349971	Hedgehog-interacting protein - anaphase promoting complex subunit 10 - glycoporin A	Transforming protein v-Fos/v-Fox - Laminin beta-1 chain precursor , MYO2_YEAST Myosin-2	NA	NA	ENSMUSG00000064325 - ENSMUSG00000051839 - ENSMUSG00000036977	ENSCING00000003691 - ENSCING00000011918	NA	NA
1349989	limb and neural patterns - ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c , isoform 3	Probable ubiquitin carboxyl-terminal hydrolase 6 - Slit homolog 2 protein precursor	NA	NA	ENSMUSG00000018770 - ENSMUSG00000009207	ENSCING00000005369 - ENSCING00000006308	NA	NA
1349996	vacuolar protein sorting 41 - POU domain, class 6, transcription factor 2	LIM homeobox transcription factor 1 beta (LIM/homeobox protein LMX1B) - Hypothetical protein ZK757.4 in chromosome III	NA	NA	ENSMUSG00000009734 - ENSMUSG000000041236	ENSCING00000006856 - ENSCING00000006855 - ENSCING000000013048	NA	NA
1350007	kelch-like 1 - dachshund 1 - RIKEN cDNA 2410129H14 gene	Centrosomal protein 2 - Bifunctional adenosylcobalamin biosynthesis protein cobP [Includes: Adenosylcobinamide kinase ; Adenosylcobinamide-phosphate guanylyltransferase]	NA	NA	ENSMUSG000000055639 - ENSMUSG000000033186 - ENSMUSG000000022076	ENSCING00000008062 - ENSCING00000008061	NA	NA
1350077	kelch-like 1 - dachshund 1 - RIKEN cDNA 2410129H14 gene	Homeobox protein SIX6 - NACHT-, LRR- and PYD-containing protein 5	NA	NA	ENSMUSG000000055639 - ENSMUSG000000033186 - ENSMUSG000000022076	ENSCING00000005824 - ENSCING00000005828	NA	NA
1350078	limb and neural patterns - ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c , isoform 3	Dynactin-1 - Zinc finger protein 333	NA	NA	ENSMUSG00000018770 - ENSMUSG00000009207	ENSCING00000002573 - ENSCING00000002579	NA	NA
1350084	dachshund 1 - kelch-like 1 - RIKEN cDNA 2410129H14 gene	Dynactin-1 - Zinc finger protein 333	NA	NA	ENSMUSG000000055639 - ENSMUSG000000033186 - ENSMUSG000000022076	ENSCING00000002573 - ENSCING00000002579	NA	NA
1350090	predicted gene 572 - castor homolog 1, zinc finger ; similar to castor homolog 1, zinc finger	Bone morphogenetic protein 2 precursor - LIM/homeobox protein Lhx4	NA	NA	ENSMUSG00000028977 - ENSMUSG000000070577	ENSCING00000001561 - ENSCING00000001549	NA	NA

1350222	MICAL-like 2 - UNC homeobox	Zinc finger protein 287 - Lamin B2	NA	NA	ENSMUSG00000029546 - ENSCING00000003868 - NA ENSMUSG00000036718 - ENSCING00000003820	NA	NA
1350225	MyoD family inhibitor - RIKEN cDNA 1700122O11 gene - forkhead box P4	Low-density lipoprotein receptor-related protein 6 precursor, PLMN_CANFA Plasminogen - Uridine 5-monophosphate synthase [Includes: Orotate phosphoribosyltransferase ; Orotidine 5-phosphate decarboxylase]	NA	NA	ENSMUSG000000032717 - ENSCING000000009202 - NA ENSMUSG000000023991 - ENSCING000000012102 ENSMUSG000000042494	NA	NA
1350231	neurogenic differentiation 2 - CDC2-related kinase, arginine/serine-rich	RNA-binding protein 9 , A2BP1_MOUSE Ataxin 2-binding protein 1 - Thyroid transcription factor 1	aminopeptidase n - alanyl aminopeptidase - aminopeptidase m - microsomal aminopeptidase cd_antigen=cd13 - d-galactoside-specific lectin - sea urchin egg lectin	NA	ENSMUSG000000038255 - ENSCING00000006231 - 89427 - 89429 ENSMUSG00000003119 - ENSCING000000013912	NA	NA
1350232	neurogenic differentiation 2 - CDC2-related kinase, arginine/serine-rich	RNA-binding protein 9 , A2BP1_MOUSE Ataxin 2-binding protein 1 - Thyroid transcription factor 1	aminopeptidase n - alanyl aminopeptidase - aminopeptidase m - microsomal aminopeptidase cd_antigen=cd13 - d-galactoside-specific lectin - sea urchin egg lectin	NA	ENSMUSG000000038255 - ENSCING00000006231 - 89427 - 89429 ENSMUSG00000003119 - ENSCING000000013912	NA	NA
1350233	adenylate cyclase activating polypeptide 1 receptor 1 - neurogenic differentiation 6	RNA-binding protein 9 , A2BP1_MOUSE Ataxin 2-binding protein 1 - Thyroid transcription factor 1	NA	NA	ENSMUSG000000037984 - ENSCING000000013912 - NA ENSMUSG000000029778 - ENSCING000000006231	NA	NA
1350234	adenylate cyclase activating polypeptide 1 receptor 1 - neurogenic differentiation 6	RNA-binding protein 9 , A2BP1_MOUSE Ataxin 2-binding protein 1 - Thyroid transcription factor 1	NA	NA	ENSMUSG000000037984 - ENSCING000000013912 - NA ENSMUSG000000029778 - ENSCING000000006231	NA	NA
1350269	catechol-O-methyltransferase domain containing 1 - zinc finger protein 503	Copper-transporting ATPase 2 - Mucin and cadherin-like protein precursor	NA	NA	ENSMUSG000000021773 - ENSCING000000011363 - NA ENSMUSG000000039081 - ENSCING000000007202	NA	NA
1350314	zinc finger protein 503 - predicted gene 5670 - RIKEN cDNA 1700112E06 gene	Lap1 protein - Muscle M-line assembly protein unc-89 - Orphan nuclear receptor NR4A1	NA	NA	ENSMUSG000000059827 - ENSCING000000012645 - NA ENSMUSG000000039081 - ENSCING000000003615 - NA ENSMUSG000000063458 - ENSCING000000003616	NA	NA
1350370	kelch-like 4 - dachshund 2 - similar to choroideremia; choroideremia	Breast carcinoma amplified sequence 3 homolog - Serine/threonine-protein kinase MARK2 (MAP/microtubule affinity-regulating kinase 2) - T-box transcription factor TBX3	NA	NA	ENSMUSG000000025592 - ENSCING000000008678 - NA ENSMUSG000000025597 - ENSCING000000008677 - NA ENSMUSG000000025531 - ENSCING000000008679	NA	NA
1350371	kelch-like 1 - dachshund 1 - RIKEN cDNA 2410129H14 gene	Breast carcinoma amplified sequence 3 homolog - Serine/threonine-protein kinase MARK2 (MAP/microtubule affinity-regulating kinase 2) - T-box transcription factor TBX3	NA	NA	ENSMUSG000000055639 - ENSCING000000008678 - NA ENSMUSG000000033186 - ENSCING000000008677 - NA ENSMUSG000000022076 - ENSCING000000008679	NA	NA
1350417	early B-cell factor 3 - RIKEN cDNA 9430038I01 gene - NA	Ephrin type-A receptor 7 precursor - Prickle-like protein 2	NA	inactive serine protease 35 flags: precursor - NA	ENSMUSG000000040139 - ENSCING000000006726 - NA ENSMUSG000000073800 - ENSCING000000013316 ENSMUSG000000010476	NA	GSOIDT00008567001 - GSOIDT00008565001

1350418	early B-cell factor 3 - RIKEN cDNA 9430038I01 gene - NA	Ephrin type-A receptor 7 precursor protein 2	- Prickle-like	g-protein coupled receptor 54 - protein phosphatase 1 regulatory subunit 12b - myosin phosphatase-targeting subunit 2 - NA	NA	ENSMUSG00000040139 - ENSMUSG00000073800 - ENSMUSG00000010476	ENSCING00000006726 - ENSCING00000013316	121092 - 214902 - 75705	NA
1350509	forkhead box A2 - RIKEN cDNA A530006G24 gene	Eukaryotic translation initiation factor 2-alpha kinase 4 - Fibroblast growth factor-18 precursor - Lambda-crystallin homolog	- NA		NA	ENSMUSG00000037025 - ENSMUSG000000051986	ENSCING00000013546 - ENSCING00000003368 - ENSCING00000003366		NA
1350521	acyl-Coenzyme A dehydrogenase, short/branched chain - H6 homeo box 3	Spastin - Probable porphobilinogen deaminase	- NA		NA	ENSMUSG00000030861 - ENSMUSG00000040148	ENSCING00000010013 - ENSCING00000004267	NA	NA
1350574	neurogenic differentiation 2 - CDC2-related kinase, arginine/serine-rich	Homeobox protein Nkx-2.5 - Myosin regulatory light chain 2B, cardiac muscle isoform	- NA		NA	ENSMUSG00000038255 - ENSMUSG00000003119	ENSCING00000007218 - ENSCING00000002749	NA	NA
1350575	adenylate cyclase activating polypeptide 1 receptor 1 - neurogenic differentiation 6	Homeobox protein Nkx-2.5 - Myosin regulatory light chain 2B, cardiac muscle isoform	- NA		NA	ENSMUSG00000037984 - ENSMUSG000000029778	ENSCING00000007218 - ENSCING00000002749	NA	NA
1350584	NIMA -related expressed kinase 7 - LIM homeobox protein 9 - ATPase, H+ transporting, lysosomal V1 subunit G3	Glutamate receptor 3 precursor (Glutamate receptor ionotropic, AMPA 3) - Tenascin-X precursor	- NA		NA	ENSMUSG00000019230 - ENSMUSG000000026393 - ENSMUSG000000026394	ENSCING00000008602 - ENSCING00000008600	NA	NA
1350630	dachshund 1 - kelch-like 1	Glutamate receptor 3 precursor (Glutamate receptor ionotropic, AMPA 3) - Tenascin-X precursor	- NA		NA	ENSMUSG00000055639 - ENSMUSG000000022076	ENSCING00000008602 - ENSCING00000008600	NA	NA
1350641	serine/threonine kinase 33 - LIM domain only 1	Transducin beta-like 2 protein	- Syntaxin-12		NA	ENSMUSG00000031027 - ENSMUSG000000036111	ENSCING00000005614 - ENSCING000000012590	NA	NA
1350669	DNA segment, Chr 19, ERATO Doi 737, expressed - prolactin releasing hormone receptor	Golgi-associated plant pathogenesis-related protein 1 - Brain-specific homeobox/POU domain protein 3		integrin alpha-8 contains: - integrin alpha-8 heavy chain contains: - integrin alpha-8 light chain flags: precursor - rac gtpase-activating protein 1 - male germ cell ap - protein cyk4 homolg	NA	ENSMUSG000000057858 - ENSMUSG000000045052	ENSCING00000004922 - ENSCING00000004925	125595 - 125596 - 89654	NA
1350679	Obg-like ATPase 1 - RIKEN cDNA 1700011J10 gene - trans-acting transcription factor 9	Aquaporin-3 - Netrin receptor UNC5B precursor - Vacuolar protein 8	- NA		NA	ENSMUSG000000063714 - ENSMUSG000000027108 - ENSMUSG000000068859	ENSCING00000009585 - ENSCING00000009586 - ENSCING00000009588	NA	NA
1350687	zinc finger protein 536 - teashirt zinc finger family member 3	Homeobox protein ceh-19 - Programmed cell death 6 interacting protein	- NA		NA	ENSMUSG000000043456 - ENSMUSG000000021217	ENSCING00000002052 - ENSCING00000002054	NA	NA

1350742	zinc finger protein 169 - inhibitor of DNA binding 4	Cytochrome P450 2C20 - Transcription factor SOX-2	somatostatin receptor type 4 - canalicular multispecific organic anion transporter 2 - atp-binding cassette sub-family c member 3 - multidrug resistance-associated protein 3 - NA	NA	ENSMUSG00000050954 - ENSCING00000006005 - 90872 - 90871 - ENSMUSG00000021379 - ENSCING00000013805 - 90874	NA	
1350760	mitogen-activated protein kinase associated protein 1 - family with sequence similarity 125, member B; similar to RIKEN cDNA 2610528K11 gene - similar to PBX3a; pre B-cell leukemia transcription factor 3	UPF0139 protein CGI-140 - Probable 60S ribosomal protein L37-A - Dual specificity protein phosphatase CDC14A	NA	NA	ENSMUSG00000038740 - ENSCING00000007518 - ENSMUSG00000038718 - ENSCING00000007516 - ENSMUSG00000038696 - ENSCING00000013171	NA	
1350761	early B-cell factor 3 - RIKEN cDNA 9430038I01 gene - NA	Golgi-associated plant pathogenesis-related protein 1 - Brain-specific homeobox/POU domain protein 3	NA	phospholipid scramblase 1 - ca(2+)-dependent phospholipid scramblase 1 - erythrocyte phospholipid scramblase - 1b - NA	ENSMUSG00000073800 - ENSCING00000004922 - ENSMUSG00000040139 - ENSCING00000004925 - ENSMUSG00000010476	NA	GSOIDT00011458001 - GSOIDT00011459001
1350763	teashirt zinc finger family member 3 - zinc finger protein 536	Golgi-associated plant pathogenesis-related protein 1 - Brain-specific homeobox/POU domain protein 3	NA	NA	ENSMUSG00000043456 - ENSCING00000004922 - ENSMUSG00000021217 - ENSCING00000004925	NA	NA
1350782	DNA segment, Chr 19, ERATO Doi 737, expressed - prolactin releasing hormone receptor	Homeobox protein Nkx-2.5 - Dysferlin , SY63_DISOM Synaptotagmin C - Myosin regulatory light chain 2B, cardiac muscle isoform	NA	NA	ENSMUSG00000057858 - ENSCING00000007218 - ENSMUSG00000045052 - ENSCING00000002749 - ENSCING00000007216	NA	NA
1350807	glycosyltransferase-like domain containing 1 - Rho GTPase activating protein 15	Zinc finger DHHC domain containing protein 14 - Held out wings protein - Hypothetical protein AQ_1348	NA	NA	ENSMUSG00000049744 - ENSCING00000002548 - ENSMUSG00000036890 - ENSCING00000002542 - ENSCING00000002549	NA	NA
1350874	RIKEN cDNA B230120H23 gene - cell division cycle associated 7	Homeobox protein Nkx-2.5 - Dysferlin , SY63_DISOM Synaptotagmin C	NA	NA	ENSMUSG00000055612 - ENSCING00000007218 - ENSMUSG00000004085 - ENSCING00000007216	NA	NA
1350888	inscuteable homolog - predicted gene 6816; ribosomal protein S4, Y-linked 2	GTP-binding protein era homolog - Cadherin-18 precursor	NA	NA	ENSMUSG00000046411 - ENSCING00000003678 - ENSMUSG00000048782 - ENSCING00000003676	NA	NA
1350896	mitogen-activated protein kinase associated protein 1 - GTPase activating protein and VPS9 domains 1	Transducin beta-like 2 protein - Syntaxin-12	NA	NA	ENSMUSG00000026867 - ENSCING00000005614 - ENSMUSG00000038696 - ENSCING00000012590	NA	NA
1350900	MICAL-like 2 - UNC homeobox	Probable ubiquitin carboxyl-terminal hydrolase 6 - Calpain B [Contains: Calpain B catalytic subunit 1; Calpain B catalytic subunit 2] - Slit homolog 2 protein precursor	NA	NA	ENSMUSG00000029546 - ENSCING00000005369 - ENSMUSG00000036718 - ENSCING00000006308 - ENSCING00000005392	NA	NA
1350930	polyamine modulated factor 1 binding protein 1 - predicted gene 1943	Myeloid/lymphoid or mixed-lineage leukemia protein 4 - Dorsal-ventral patterning tolloid-like protein 1 precursor	NA	NA	ENSMUSG00000064064 - ENSCING00000003765 - ENSMUSG00000031727 - ENSCING00000003763	NA	NA

1351012	predicted gene 5182; acetyl-Coenzyme A carboxylase alpha - apoptosis antagonizing transcription factor	Kin of IRRE-like protein 3 precursor - Protein C14orf159 homolog, mitochondrial precursor	NA	serine threonine-protein kinase pim-1 - NA	ENSMUSG00000018697 - ENSMUSG00000020532	ENSCING00000013880 - ENSCING00000013881	NA	GSOIDT00017926001 - GSOIDT00017925001
1351013	DNA segment, Chr 19, ERATO Doi 737, expressed - prolactin releasing hormone receptor - RIKEN cDNA E330013P04 gene	Protein C14orf159 homolog, mitochondrial precursor - Kin of IRRE-like protein 3 precursor	NA	NA	ENSMUSG000000057858 - ENSMUSG000000045052 - ENSMUSG000000053117	ENSCING00000013880 - ENSCING00000013881	NA	NA
1351047	zinc finger protein 536 - teashirt zinc finger family member 3	Tumor protein p73-like - Hypothetical 51.2 kDa protein in LAG1-RPL14B intergenic region	NA	NA	ENSMUSG000000043456 - ENSMUSG000000021217	ENSCING00000001960 - ENSCING000000010159	NA	NA
1351049	transmembrane 9 superfamily member 2 - citrate lyase beta like	Midline 1 protein - Polycystic kidney disease and receptor for egg jelly related protein precursor	NA	NA	ENSMUSG000000025544 - ENSMUSG000000025545	ENSCING00000009882 - ENSCING00000008591	NA	NA
1351069	early B-cell factor 3 - RIKEN cDNA 9430038I01 gene - NA	TPR repeat containing protein KIAA1043 - Brain-specific homeobox/POU domain protein 3	NA	NA	ENSMUSG000000073800 - ENSMUSG000000040139 - ENSMUSG000000010476	ENSCING00000004922 - ENSCING00000004914	NA	NA
1351070	vesicle transport through interaction with t-SNAREs homolog 1A - transcription factor 7-like 2, T-cell specific, HMG-box	TPR repeat containing protein KIAA1043 - Brain-specific homeobox/POU domain protein 3	NA	NA	ENSMUSG000000024983 - ENSMUSG000000024985	ENSCING00000004922 - ENSCING00000004914	NA	NA
1351072	glycerol phosphate dehydrogenase 2, mitochondrial - UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 5	TPR repeat containing protein KIAA1043 - Brain-specific homeobox/POU domain protein 3	NA	NA	ENSMUSG000000026827 - ENSMUSG000000026828	ENSCING00000004922 - ENSCING00000004914	NA	NA
1351073	sal-like 3 - galanin receptor 1	TPR repeat containing protein KIAA1043 - Brain-specific homeobox/POU domain protein 3	NA	NA	ENSMUSG000000024565 - ENSMUSG000000024553	ENSCING00000004922 - ENSCING00000004914	NA	NA
1351111	predicted gene 826 - predicted gene 4713; DEAH box polypeptide 35; hypothetical protein LOC100046264	Deoxyhypusine synthase - Macrophage mannose receptor precursor	NA	NA	ENSMUSG000000074623 - ENSMUSG000000027655	ENSCING00000003379 - ENSCING00000003390	NA	NA
1351235	SRY-box containing gene 6 - predicted gene 6816; ribosomal protein S4, Y-linked 2	Trigger factor - Ephrin type-A receptor 4 precursor	NA	NA	ENSMUSG000000046411 - ENSMUSG000000051910	ENSCING00000002622 - ENSCING00000002625	NA	NA
1351246	hypoxia-inducible factor 1, alpha subunit inhibitor - paired box gene 2	Regulator of G-protein signaling 3 - F-box only protein 44, SYTL5_MOUSE Synaptotagmin-like protein 5	NA	NA	ENSMUSG000000036450 - ENSMUSG000000004231	ENSCING000000001948 - ENSCING000000012723	NA	NA

1351292	forkhead box P1 - NA	Dynein heavy chain, cytosolic - Neuronal membrane glycoprotein M6-b - Putative fat-like cadherin-related tumor suppressor homolog precursor	NA	NA	ENSMUSG00000030067 - ENSMUSG000000079448	ENSCING00000014600 - ENSCING00000014592 - ENSCING00000002930	NA
1351312	dachshund 1 - kelch-like 1 - RIKEN cDNA 2410129H14 gene	Disheveled associated activator of morphogenesis 1, DIAP1_MOUSE Diaphanous protein homolog 1 - Mitogen-activated protein kinase 10	NA	NA	ENSMUSG000000055639 - ENSMUSG00000003186 - ENSMUSG000000022076	ENSCING00000009311 - ENSCING00000009313	NA
1351347	matrix metalloproteinase 2 - glyceraldehyde-3-phosphate dehydrogenase	Cell cycle control protein cwf18 - Cell division cycle protein 48 homolog MJ1156	NA	NA	ENSMUSG000000078967 - ENSMUSG000000031740	ENSCING000000005261 - ENSCING000000005214	NA
1351352	LIM homeobox protein 2 - similar to DENN/MADD domain containing 1A; DENN/MADD domain containing 1A - crumbs homolog 2	LIM homeobox transcription factor 1 beta (LIM/homeobox protein LMX1B) - WD-repeat protein 8	NA	NA	ENSMUSG000000035403 - ENSMUSG000000000247 - ENSMUSG000000035392	ENSCING00000006856 - ENSCING00000006857	NA
1351357	RIKEN cDNA 3425401B19 gene - paired related homeobox protein-like 1 - RIKEN cDNA 9430077A04 gene	Probable disulfide bond formation protein D precursor - Dihydroorotate dehydrogenase	NA	NA	ENSMUSG000000071540 - ENSMUSG000000041730 - ENSMUSG000000044973	ENSCING000000013239 - ENSCING000000013240	NA
1351380	teashirt zinc finger family member 3 - zinc finger protein 536	Cystinosin - Latrophilin-3 precursor	NA	NA	ENSMUSG000000043456 - ENSMUSG000000021217	ENSCING000000002093 - ENSCING000000002092	NA
1351391	SRY-box containing gene 6 - RIKEN cDNA 1110006G14 gene - predicted gene 6816; ribosomal protein S4, Y-linked 2	Homeobox protein Meis1 - Phenylalanyl-tRNA synthetase beta chain	NA	NA	ENSMUSG000000030664 - ENSMUSG000000046411 - ENSMUSG000000051910	ENSCING000000013955 - ENSCING000000005356	NA
1351400	SRY-box containing gene 21 - ATP-binding cassette, sub-family C (CFTR/MRP), member 4	Leucine-rich repeat transmembrane neuronal protein 2 precursor - Cyclin-dependent kinase inhibitor 1B	NA	NA	ENSMUSG000000032849 - ENSMUSG000000061517	ENSCING000000011649 - ENSCING000000011650	NA
1351415	ribosomal protein S6 pseudogene - cylindromatosis	Alpha-fetoprotein enhancer binding protein , ZFHx2_HUMAN Zinc finger homeobox protein 2 - Myosin-3	NA	NA	ENSMUSG000000075581 - ENSMUSG000000036712	ENSCING000000011787 - ENSCING000000007138	NA
1351439	similar to CDNA sequence BC052040; cDNA sequence BC052040 - Meis homeobox 2 - transmembrane and coiled-coil domains 5	DNA-methyltransferase 1 - Monocarboxylate transporter 5 - Cadherin-23 precursor	NA	NA	ENSMUSG000000040282 - ENSMUSG000000027210 - ENSMUSG000000027355	ENSCING000000000549 - ENSCING000000000518 - ENSCING000000004413	NA
1351455	GLI-Kruppel family member GLI3 - inhibin beta-A - expressed sequence AW209491	Protein disulfide-isomerase A4 precursor - Choline-phosphate cytidylyltransferase A	NA	NA	ENSMUSG000000039182 - ENSMUSG000000021318 - ENSMUSG0000000041324	ENSCING000000006402 - ENSCING000000006412	NA

1351471	vacuolar protein sorting 41 - POU domain, class 6, transcription factor 2	RPE-retinal G protein-coupled receptor - Forkhead box protein C2	NA	NA	ENSMUSG00000009734 - ENSCING00000011280 - ENSMUSG000000041236 - ENSCING00000008146	NA	NA
1351484	SRY-box containing gene 21 - ATP-binding cassette, sub-family C (CFTR/MRP), member 4	RING finger protein 4 - C-type natriuretic peptide-2 precursor	NA	NA	ENSMUSG000000032849 - ENSCING00000006925 - ENSMUSG000000061517 - ENSCING000000012026	NA	NA
1351498	NA - forkhead box B2	Four and a half LIM domains protein 2 - MAM domain containing protein 2 precursor	NA	NA	ENSMUSG000000054366 - ENSCING000000003943 - ENSMUSG000000056829 - ENSCING000000003946	NA	NA
1351518	kelch-like 1 - dachshund 1 - RIKEN cDNA 2410129H14 gene	Beta-1,4-galactosyltransferase 1 (Beta-1,4-GalTase 1) (UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 1) (UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 1) [Includes: L - Ephrin-B2 precursor	NA	NA	ENSMUSG000000055639 - ENSCING000000005997 - ENSMUSG000000022076 - ENSCING000000010012 - ENSMUSG000000033186	NA	NA
1351583	RIKEN cDNA 1700106N22 gene - Six3 opposite strand transcript 1	Forkhead box protein I1 (HNF-3/fork-head homolog-3)	NA	NA	ENSMUSG000000071037 - ENSCING000000013204 - ENSMUSG000000056364 - ENSCING000000013203	NA	NA
1351589	orofacial cleft 1 candidate 1 - solute carrier family 35, member B3 - NA	Alpha-fetoprotein enhancer binding protein , ZFHx2_HUMAN Zinc finger homeobox protein 2 - Myosin-3	cd209 antigen - dendritic cell-icam-3-grabbing non-integrin 1 - NA	NA	ENSMUSG000000021432 - ENSMUSG000000055732 - ENSMUSG000000047094 - ENSCING000000011787 - ENSCING000000007138	217378 - 77329	NA
1351602	forkhead box A2 - RIKEN cDNA A530006G24 gene	Cell cycle control protein cwf18 - Cell division cycle protein 48 homolog MJ1156	NA	NA	ENSMUSG000000037025 - ENSCING000000005261 - ENSMUSG000000051986 - ENSCING000000005214	NA	NA
1351662	mitogen-activated protein kinase associated protein 1 - similar to PBX3a; pre B-cell leukemia transcription factor 3 - family with sequence similarity 125, member B; similar to RIKEN cDNA 2610528K11 gene	Retinal homeobox protein Rx3 - Dymeclin	NA	NA	ENSMUSG000000038740 - ENSMUSG000000038718 - ENSMUSG000000038696 - ENSCING000000012765 - ENSCING000000007877	NA	NA
1351665	hypoxia-inducible factor 1, alpha subunit inhibitor - paired box gene 2	Putative Polycomb group protein ASXL1 - Hypothetical protein sll1388 - Guanine nucleotide-binding protein G, alpha subunit	NA	NA	ENSMUSG000000036450 - ENSMUSG000000004231 - ENSCING000000011744 - ENSCING000000003915 - ENSCING000000003911	NA	NA
1351739	RIKEN cDNA B230120H23 gene - cell division cycle associated 7	Ephrin type-A receptor 4A precursor - Essential meiotic endonuclease 1	NA	NA	ENSMUSG000000055612 - ENSCING000000005864 - ENSMUSG000000004085 - ENSCING000000001281	NA	NA
1351743	transmembrane 9 superfamily member 2 - citrate lyase beta like	Putative aminotransferase MJ0959 - Photosystem I P700 chlorophyll a apoprotein A2	NA	NA	ENSMUSG000000025544 - ENSCING000000013621 - ENSMUSG000000025545 - ENSCING000000007920	NA	NA

1351751	RIKEN cDNA 1110033M05 gene - nuclear receptor subfamily 2, group F, member 1	Nuclear factor 1 X-type (Nuclear factor 1/X) (NF-1/X) - Isoleucyl-tRNA synthetase, cytoplasmic	NA	NA	ENSMUSG00000069171 - ENSCING00000002528 - ENSMUSG000000064138 ENSCING000000002466	NA	NA
1351796	protein phosphatase 1A, magnesium dependent, alpha isoform - Six6 opposite strand transcript 1	Cell cycle control protein cwf18 - Cell division cycle protein 48 homolog MJ1156	NA	NA	ENSMUSG000000021096 - ENSCING000000005261 - ENSMUSG000000021098 ENSCING000000005214	NA	NA
1351879	pellino 2 - orthodenticle homolog 2 - RIKEN cDNA 6720456H20 gene	Vesicle-associated membrane protein-associated protein B - Myosin-10	NA	NA	ENSMUSG000000036339 - ENSCING000000009046 - ENSMUSG000000021846 - ENSCING000000012432 ENSMUSG000000021848	NA	NA
1351907	SRY-box containing gene 21 - ATP-binding cassette, sub-family C (CFTR/MRP), member 4	Alpha-fetoprotein enhancer binding protein , ZFHx2_HUMAN Zinc finger homeobox protein 2 - Myosin-3	NA	NA	ENSMUSG000000032849 - ENSCING000000011787 - ENSMUSG000000061517 ENSCING000000007138	NA	NA
1351973	MICAL-like 2 - UNC homeobox	G2/mitotic-specific cyclin B3 - Brain-specific angiogenesis inhibitor 3 precursor	NA	NA	ENSMUSG000000029546 - ENSCING000000007701 - ENSMUSG000000036718 ENSCING000000007729	NA	NA
1351990	short stature homeobox 2 - arginine/serine-rich coiled-coil 1 - myeloid leukemia factor 1	Calcium-dependent protein kinase, isoform AK1 - Regulatory protein E2	NA	NA	ENSMUSG000000048416 - ENSCING000000016440 - ENSMUSG000000034544 - ENSCING000000006158 ENSMUSG000000027833	NA	NA
1352042	acyl-Coenzyme A dehydrogenase, short/branched chain - H6 homeo box 3	Deoxyhypusine synthase - Reversion-inducing cysteine-rich protein with Kazal motifs precursor	NA	NA	ENSMUSG000000030861 - ENSCING000000014940 - ENSMUSG000000040148 ENSCING000000002924	NA	NA
1352046	orofacial cleft 1 candidate 1 - NA	Brain-specific angiogenesis inhibitor 1 precursor - Diacylglycerol kinase, beta - Myosin light chain kinase, smooth muscle [Contains: Telokin]	NA	NA	ENSMUSG000000047094 - ENSCING000000012357 - ENSMUSG000000005732 ENSCING000000012356 - ENSCING000000007746	NA	NA
1352077	Hey-like transcription factor - acyl-CoA synthetase long-chain family member 1	Alpha-fetoprotein enhancer binding protein , ZFHx2_HUMAN Zinc finger homeobox protein 2 - Myosin-3	NA	NA	ENSMUSG000000018796 - ENSCING000000011787 - ENSMUSG000000047171 ENSCING000000007138	NA	NA
1352078	forkhead box D3 - NA	Alpha-fetoprotein enhancer binding protein , ZFHx2_HUMAN Zinc finger homeobox protein 2 - Myosin-3	NA	NA	ENSMUSG000000070891 - ENSCING000000011787 - ENSMUSG000000067261 ENSCING000000007138	NA	NA
1352080	zinc finger protein of the cerebellum 4 - phospholipid scramblase 1; predicted gene 5530; hypothetical protein LOC677340	Crystal protein precursor - Bone morphogenetic protein 7 precursor	NA	NA	ENSMUSG000000036972 - ENSCING000000011402 - ENSMUSG000000032369 ENSCING000000003777	NA	NA

1352107	phosphate cytidylyltransferase 1, choline, beta isoform - polymerase , alpha 1 - aristaless related homeobox	Transforming protein Qin - Phosphatidylinositol 3-kinase, root isoform	NA	NA	ENSMUSG00000035277 - ENSMUSG00000006678 - ENSMUSG00000035246	ENSCING00000003389 - ENSCING00000013252	NA	NA
1352111	LIM domain only 3 - immunoglobulin binding protein 1b	Transforming protein Qin - Phosphatidylinositol 3-kinase, root isoform	NA	NA	ENSMUSG00000030226 - ENSMUSG00000046717	ENSCING00000003389 - ENSCING00000013252	NA	NA
1352116	ribosomal protein S6 pseudogene - cylindromatosis	Transforming protein Qin - Phosphatidylinositol 3-kinase, root isoform	NA	NA	ENSMUSG00000075581 - ENSMUSG00000036712	ENSCING00000003389 - ENSCING00000013252	NA	NA
1352117	serine/threonine kinase 33 - LIM domain only 1	Transforming protein Qin - Phosphatidylinositol 3-kinase, root isoform	NA	NA	ENSMUSG00000031027 - ENSMUSG00000036111	ENSCING00000003389 - ENSCING00000013252	NA	NA
1352154	MyoD family inhibitor - RIKEN cDNA 1700122O11 gene - forkhead box P4	Phosphatidylinositol-glycan biosynthesis, class F protein - 60S ribosomal protein L31	sorting nexin-2 - patched domain-containing protein 3 - rnd-type protein rndeu-3 - NA	NA	ENSMUSG00000032717 - ENSMUSG00000023991 - ENSMUSG00000042494	ENSCING00000011538 - 67655 - 57285 - ENSCING00000015137 - 67656	NA	NA
1352188	Obg-like ATPase 1 - RIKEN cDNA 1700011J10 gene - trans-acting transcription factor 9	Semaphorin 6B precursor - Phospholipase A2, taipoxin alpha chain	NA	NA	ENSMUSG00000063714 - ENSMUSG00000027108 - ENSMUSG00000068859	ENSCING00000014941 - ENSCING00000014939	NA	NA
1352277	NMDA receptor-regulated gene 2 - RAR-related orphan receptor alpha	T-cell leukemia homeobox protein 3 - Nephrocystin-4	NA	NA	ENSMUSG00000032235 - ENSMUSG00000032238	ENSCING00000006177 - ENSCING00000006178	NA	NA
1352288	RIKEN cDNA 4930473A06 gene - basoenuclin 2 - centlein, centrosomal protein	Cell cycle control protein cwf18 - Cell division cycle protein 48 homolog MJ1156	NA	inositol-trisphosphate 3-kinase c - inositol - trisphosphate 3-kinase c - NA	ENSMUSG00000052407 - ENSMUSG00000038070 - ENSMUSG00000028487	ENSCING00000005261 - ENSCING00000005214	NA	GSOIDT00002506001 - GSOIDT00002504001
1352295	mitogen-activated protein kinase associated protein 1 - family with sequence similarity 125, member B; similar to RIKEN cDNA 2610528K11 gene - similar to PBX3a; pre B-cell leukemia transcription factor 3	Bone morphogenetic protein 1 homolog precursor - ATP-dependent rRNA helicase SPB4 - Kelch-like protein 20	NA	NA	ENSMUSG00000038740 - ENSMUSG00000038718 - ENSMUSG00000038696	ENSCING00000009621 - ENSCING00000012930 - ENSCING00000009622	NA	NA
1352298	neurogenic differentiation 2 - CDC2-related kinase, arginine/serine-rich	RW1 protein - Transmembrane protein 33	protocadherin fat 4 - cadherin family member 14 - fat tumor suppressor homolog 4 - fat-like cadherin protein fat-j flags: precursor - tripartite motif-containing protein 3 - ring finger protein 22 - ring finger protein hac1 - NA	NA	ENSMUSG00000003119 - ENSMUSG00000038255	ENSCING00000014411 - ENSCING00000007252	120240 - 210534 - 73045	NA
1352300	adenylate cyclase activating polypeptide 1 receptor 1 - neurogenic differentiation 6	Transmembrane protein 33 - RW1 protein	NA	NA	ENSMUSG00000037984 - ENSMUSG000000029778	ENSCING00000014411 - ENSCING00000007252	NA	NA

1352362	distal-less homeobox 6 - distal-less homeobox 5	Maternal tudor protein - Homeobox protein SIX4 - GC-rich sequence DNA-binding factor	NA	NA	ENSMUSG00000029754 - ENSMUSG00000029755	ENSCING00000004747 - ENSCING00000004740 - ENSCING00000004748	NA
1352363	predicted gene 572 - castor homolog 1, zinc finger ; similar to castor homolog 1, zinc finger	Maternal tudor protein - Homeobox protein SIX4 - GC-rich sequence DNA-binding factor	NA	NA	ENSMUSG00000070577 - ENSMUSG00000028977	ENSCING00000004747 - ENSCING00000004740 - ENSCING00000004748	NA
1352377	tetratricopeptide repeat domain 29 - POU domain, class 4, transcription factor 2	Regulator of nonsense transcripts 2 - Apical protein	NA	NA	ENSMUSG00000037101 - ENSMUSG00000031688	ENSCING00000012071 - ENSCING00000002888 - ENSCING00000001457	NA
1352396	mitogen-activated protein kinase associated protein 1 - similar to PBX3a; pre B-cell leukemia transcription factor 3 - GTPase activating protein and VPS9 domains 1	Major surface antigen precursor - Cytosolic phospholipase A2 [Includes: Phospholipase A2 ; Lysophospholipase] - Paired box protein Pax-6	NA	NA	ENSMUSG00000026867 - ENSMUSG00000038718 - ENSMUSG00000038696	ENSCING00000006503 - ENSCING000000012912 - ENSCING00000006504	NA
1352459	forkhead box P1 - eukaryotic translation initiation factor 4E member 3	NADH-ubiquinone oxidoreductase 49 kDa subunit - Paired box protein Pax-7	NA	NA	ENSMUSG00000030067 - ENSMUSG00000030068	ENSCING00000005904 - ENSCING00000005858	NA
1352510	hypoxia-inducible factor 1, alpha subunit inhibitor - paired box gene 2	Abnormal cell lineage protein 11 - F-actin capping protein alpha subunit - Cholecystokinin receptor	NA	NA	ENSMUSG00000036450 - ENSMUSG00000004231	ENSCING00000011502 - ENSCING00000005928 - ENSCING000000011503	NA
1352540	zinc finger protein 503 - predicted gene 5670 - RIKEN cDNA 1700112E06 gene	3-5 exonuclease ERI1 (Histone mRNA 3 end-specific exoribonuclease) (Protein 3hExo) - T-cell leukemia homeobox protein 3 - Nephrocystin-4	NA	NA	ENSMUSG00000059827 - ENSMUSG00000039081 - ENSMUSG00000063458	ENSCING00000006177 - ENSCING00000006178 - ENSCING00000006175	NA
1352542	tetratricopeptide repeat domain 29 - POU domain, class 4, transcription factor 2	Slit homolog 3 protein precursor - Coronin 7	NA	NA	ENSMUSG00000037101 - ENSMUSG00000031688	ENSCING00000004409 - ENSCING000000011478	NA
1352581	SRY-box containing gene 21 - ATP-binding cassette, sub-family C (CFTR/MRP), member 4	Hepatocyte nuclear factor 1-alpha - Casein kinase II beta subunit	NA	NA	ENSMUSG00000032849 - ENSMUSG00000061517	ENSCING00000003902 - ENSCING00000003920	NA
1352645	RIKEN cDNA B230120H23 gene - cell division cycle associated 7	Zygote-specific protein 3 precursor - Protein dhp1	NA	NA	ENSMUSG00000055612 - ENSMUSG0000004085	ENSCING00000013453 - ENSCING00000008798	NA
1352661	hypoxia-inducible factor 1, alpha subunit inhibitor - paired box gene 2	Tudor domain containing protein 3 - Cadherin-related tumor suppressor homolog precursor	NA	NA	ENSMUSG00000036450 - ENSMUSG00000004231	ENSCING00000001864 - ENSCING00000001838	NA

1352662	similar to PBX3a; pre B-cell leukemia transcription factor 3 - family with sequence similarity 125, member B; similar to RIKEN cDNA 2610528K11 gene	Tudor domain containing protein 3 - Cadherin-related tumor suppressor homolog precursor	NA	NA	ENSMUSG00000038740 - ENSING00000001864 - ENSMUSG00000038718 - ENSING00000001838	NA	NA
1352667	similar to CDNA sequence BC052040; cDNA sequence BC052040 - Meis homeobox 2	Potential phospholipid-transporting ATPase 11 - Homeobox protein Nkx-6.1	NA	NA	ENSMUSG00000040282 - ENSING00000012312 - ENSMUSG00000027210 - ENSING000000012311	NA	NA
1352693	kelch-like 1 - dachshund 1 - RIKEN cDNA 2410129H14 gene	Ketosamine-3-kinase - RNA-binding protein with multiple splicing - Dynactin subunit 6	zinc finger protein 729 - NA	NA	ENSMUSG00000055639 - ENSING00000002848 - ENSMUSG00000022076 - ENSING00000002842 - ENSMUSG00000033186 - ENSING00000002854	82629 - 82628 - 94458	NA
1352705	paired related homeobox protein-like 1 - RIKEN cDNA 9430077A04 gene	Alpha-fetoprotein enhancer binding protein , ZFHx2_HUMAN Zinc finger homeobox protein 2 - Myosin-3	telomeric repeat-binding factor 1 - ttaggg repeat-binding factor 1 - tripartite motif-containing protein 3 - brain-expressed ring finger protein - ring finger protein 22 - ring finger protein 97 - protein argonaute-2 - eukaryotic translation initiation factor 2c 2 - paz piwi domain protein - protein slicer	NA	ENSMUSG00000044973 - ENSING00000011787 - ENSMUSG00000041730 - ENSING00000007138	77833 - 77832 - 217969	NA
1352726	early B-cell factor 3 - RIKEN cDNA 9430038I01 gene - NA	Septin-9 (Ovarian/Breast septin) (Ov/Br septin) - Growth/differentiation factor 8 precursor	NA	NA	ENSMUSG00000040139 - ENSMUSG00000073800 - ENSMUSG00000010476	ENSCING00000004910 - ENSING000000004894	NA
1352802	serine/threonine kinase 33 - LIM domain only 1	CUB and sushi multiple domains protein 3 - Doublesex-and mab-3-related transcription factor 2	NA	NA	ENSMUSG00000031027 - ENSING000000005905 - ENSMUSG00000036111 - ENSING000000009143	NA	NA
1352843	RAB11 family interacting protein 2 - empty spiracles homolog 2	Activator 1 140 kDa subunit - Dynactin-1 - Hypothetical protein R02F2.2 in chromosome III precursor	NA	NA	ENSMUSG00000043969 - ENSMUSG00000040022	ENSCING00000005341 - ENSING000000005319 - ENSING00000005344	NA
1352850	forkhead box P2 - MyoD family inhibitor domain containing	Glucose dehydrogenase [acceptor] precursor [Contains: Glucose dehydrogenase [acceptor] short protein] - Phenylalanyl-tRNA synthetase beta chain - Homeobox protein Meis1	NA	glutamine synthetase - glutamate decarboxylase - glutamate--ammonia ligase - bone morphogenetic protein 7 - osteogenic protein 1	ENSMUSG00000029563 - ENSMUSG00000041390	ENSCING00000005377 - ENSING00000013955 - ENSING00000005356	GSOIDT00001808001 - GSOIDT00001809001
1352851	H2.0-like homeobox - similar to MOSC domain-containing protein 1, mitochondrial; MOCO sulphurase C-terminal domain containing 1	Glucose dehydrogenase [acceptor] precursor [Contains: Glucose dehydrogenase [acceptor] short protein] - Homeobox protein Meis1 - Phenylalanyl-tRNA synthetase beta chain	NA	NA	ENSMUSG00000039377 - ENSMUSG00000026621	ENSCING00000005377 - ENSING00000013955 - ENSING00000005356	NA
1352852	distal-less homeobox 2 - distal-less homeobox 1	Glucose dehydrogenase [acceptor] precursor [Contains: Glucose dehydrogenase [acceptor] short protein] - Homeobox protein Meis1 - Phenylalanyl-tRNA synthetase beta chain	NA	NA	ENSMUSG00000023391 - ENSMUSG00000041911	ENSCING00000005377 - ENSING00000013955 - ENSING00000005356	NA
1352875	teashirt zinc finger family member 3 - zinc finger protein 536 - RIKEN cDNA E130304I02 gene	Alpha-fetoprotein enhancer binding protein , ZFHx2_HUMAN Zinc finger homeobox protein 2 - Myosin-3	NA	NA	ENSMUSG00000044997 - ENSMUSG00000043456 - ENSMUSG00000021217	ENSCING00000011787 - ENSING00000007138	NA

1352888	trans-acting transcription factor 5 - predicted gene 9822	Large neutral amino acids transporter small subunit 3 (Solute carrier family 43, member 1) - Serine/threonine-protein kinase Pim-3 - Heat shock 70 kDa protein	NA	NA	ENSMUSG00000075304 - ENSMUSG000000047965	ENSCING00000012728 - ENSCING00000007955 - ENSCING000000007953	NA	
1352890	cell division cycle associated 7 - trans-acting transcription factor 3	Transcription factor SOX-8 - Guanine nucleotide-binding protein G, alpha subunit	kelch-like protein 35 - small nuclear ribonucleoprotein f - sm protein f - ribonuclease kappa	NA	ENSMUSG000000055612 - ENSMUSG000000027109	ENSCING00000000839 - ENSCING00000001019	168514 - 271061 - 271062	NA
1352909	forkhead box P2 - MyoD family inhibitor domain containing	CUB and sushi multiple domains protein 3 - Doublesex-and mab-3-related transcription factor 2	NA	NA	ENSMUSG000000041390 - ENSMUSG000000029563	ENSCING000000005905 - ENSCING000000009143	NA	NA
1352948	predicted gene 572 - castor homolog 1, zinc finger ; similar to castor homolog 1, zinc finger	Uronate isomerase - Probable thiamine biosynthesis protein thil	NA	NA	ENSMUSG000000028977 - ENSMUSG000000070577	ENSCING000000012776 - ENSCING000000012775	NA	NA
1352950	aquaporin 4 - potassium channel tetramerisation domain containing 1	Uronate isomerase - Probable thiamine biosynthesis protein thil	NA	NA	ENSMUSG000000024411 - ENSMUSG000000036225	ENSCING000000012776 - ENSCING000000012775	NA	NA
1352987	multiple C2 domains, transmembrane 1 - ankyrin repeat domain 32	Microtubule-associated serine/threonine-protein kinase 1 (Syntrophin-associated serine/threonine-protein kinase) - Latrophilin-2 precursor	NA	NA	ENSMUSG000000021596 - ENSMUSG000000021597	ENSCING000000009244 - ENSCING000000009247	NA	NA
1353009	eukaryotic translation initiation factor 4E member 3 - forkhead box P1	Bone morphogenetic protein 2 precursor - LIM/homeobox protein Lhx4 - DVR-1 protein precursor	NA	NA	ENSMUSG000000030067 - ENSMUSG000000030068	ENSCING000000001561 - ENSCING000000013600 - ENSCING000000001549	NA	NA
1353035	dachshund 1 - kelch-like 1 - RIKEN cDNA 2410129H14 gene	Ephrin-B1 precursor - Ephrin-A5 precursor - Ephrin-A5b precursor	domain-containing protein 7 - jumonji domain-containing protein 7 - nucleolar protein 10 - monocarboxylate transporter 12 - solute carrier family 16 member 12	NA	ENSMUSG000000055639 - ENSMUSG000000033186 - ENSMUSG000000022076	ENSCING000000005716 - ENSCING000000005717 - ENSCING000000010080	115272 - 90706 - 90708	NA
1353043	SRY-box containing gene 6 - RIKEN cDNA 1110006G14 gene - predicted gene 6816; ribosomal protein S4, Y-linked 2	Mu-type opioid receptor - Glutamine amidotransferase subunit pdxT - Rho-GTPase-activating protein 26	NA	NA	ENSMUSG000000030664 - ENSMUSG000000046411 - ENSMUSG000000051910	ENSCING000000003601 - ENSCING000000003600 - ENSCING000000006260	NA	NA
1353047	zinc finger, AN1-type domain 2A - UNC homeobox	ATP synthase B chain , ASPP1_MOUSE Apoptosis stimulating of p53 protein 1 ,GRLF1_MOUSE Glucocorticoid receptor DNA binding factor 1 - HLA class I histocompatibility antigen, B-54 alpha chain precursor (MHC class I antigen B*54)	NA	NA	ENSMUSG000000053581 - ENSMUSG000000029546	ENSCING000000013784 - ENSCING000000004384	NA	NA
1353058	taste receptor, type 1, member 2 - paired box gene 7	Alpha-fetoprotein enhancer binding protein , ZFH2_HUMAN Zinc finger homeobox protein 2 - Myosin-3	NA	NA	ENSMUSG000000028736 - ENSMUSG000000028738	ENSCING000000011787 - ENSCING000000007138	NA	NA

1353060	tetratricopeptide repeat domain 29 - POU domain, class 4, transcription factor 2	Alpha-fetoprotein enhancer binding protein , ZFHx2_HUMAN Zinc finger homeobox protein 2 - Myosin-3	NA	NA	ENSMUSG00000037101 - ENSCING00000011787 - ENSMUSG00000031688 - ENSCING00000007138	NA	NA
1353064	zinc finger protein 503 - RIKEN cDNA 1700112E06 gene - predicted gene 5670	Alpha-fetoprotein enhancer binding protein , ZFHx2_HUMAN Zinc finger homeobox protein 2 - Myosin-3	NA	NA	ENSMUSG00000059827 - ENSMUSG00000039081 - ENSMUSG00000063458 - ENSCING00000011787 - ENSCING00000007138	NA	NA
1353136	early B-cell factor 3 - RIKEN cDNA 9430038I01 gene - NA	Serine/threonine-protein kinase 9 - Degenerin-like protein T28F4.2 in chromosome I - DVR-1 protein precursor	NA	NA	ENSMUSG00000040139 - ENSMUSG00000073800 - ENSMUSG000000010476 - ENSCING00000011558 - ENSCING00000004054 - ENSCING000000004052	NA	NA
1353210	early B-cell factor 3 - RIKEN cDNA 9430038I01 gene - NA	Tiggy-winkle hedgehog protein precursor - Protein C9orf68 homolog - Monodehydroascorbate reductase, chloroplast precursor	NA	NA	ENSMUSG00000040139 - ENSMUSG00000073800 - ENSMUSG000000010476 - ENSCING000000006761 - ENSCING000000009956 - ENSCING000000006763	NA	NA
1353285	hypoxia-inducible factor 1, alpha subunit inhibitor - paired box gene 2	Conidial yellow pigment biosynthesis polyketide synthase - Mitogen-activated protein kinase kinase kinase 4 (MAPK/ERK kinase kinase 4) - Protein A9	NA	NA	ENSMUSG00000036450 - ENSMUSG00000004231 - ENSCING00000003013 - ENSCING000000014087	NA	NA
1353297	DNA segment, Chr 19, ERATO Doi 737, expressed - prolactin releasing hormone receptor - RIKEN cDNA E330013P04 gene	Nucleolar RNA helicase II (RH II/Gu) - Neurogenic locus notch homolog protein 1 precursor	NA	NA	ENSMUSG00000057858 - ENSMUSG00000045052 - ENSMUSG00000053117 - ENSCING00000003502 - ENSCING000000003521	NA	NA
1353401	BarH-like 1 - RIKEN cDNA 1700101E01 gene	Glioma tumor suppressor candidate region gene 1 protein - Vang-like protein 1	NA	NA	ENSMUSG00000026805 - ENSMUSG00000079502 - ENSCING00000003625 - ENSCING000000003631	NA	NA
1353403	serine/threonine kinase 33 - LIM domain only 1	Filamin C - Voltage-dependent T-type calcium channel alpha-1H subunit	NA	NA	ENSMUSG00000031027 - ENSMUSG00000036111 - ENSCING00000001148 - ENSCING000000003272	NA	NA
1353461	forkhead box P1 - eukaryotic translation initiation factor 4E member 3	Forkhead box protein P1 - Oxygen-independent coproporphyrinogen III oxidase , PM34_MOUSE Peroxisomal membrane protein PMP34 (Solute carrier family 25, member 17) - Chromatin structure remodeling complex protein RSC2	NA	NA	ENSMUSG00000030067 - ENSMUSG00000030068 - ENSCING00000012008 - ENSCING00000012009 - ENSCING000000003572	NA	NA
1353497	zinc finger homeodomain 4 - NA	Laminin alpha-2 chain precursor - Ornithine decarboxylase	NA	NA	ENSMUSG00000074728 - ENSMUSG00000025255 - ENSCING000000007891 - ENSCING000000007892	NA	NA
1353498	forkhead box P2 - MyoD family inhibitor domain containing	Laminin alpha-2 chain precursor - Ornithine decarboxylase	NA	NA	ENSMUSG00000029563 - ENSMUSG00000041390 - ENSCING000000007891 - ENSCING000000007892	NA	GSOIDT00009863001 - GSOIDT00009862001

1353533	hypoxia-inducible factor 1, alpha subunit inhibitor - paired box gene 2	Ubiquitin carboxyl-terminal hydrolase 2 - Homeobox prospero-like protein PROX1 - YEATS domain-containing protein 4	NA	NA	ENSMUSG00000036450 - ENSMUSG00000004231	ENSCING00000009000 - ENSCING00000013650 - ENSCING00000010516	NA	NA
1353614	SRY-box containing gene 6 - predicted gene 6816; ribosomal protein S4, Y-linked 2	Carnitine O-palmitoyltransferase I, mitochondrial liver isoform - DNA gyrase subunit B	NA	NA	ENSMUSG00000046411 - ENSMUSG000000051910	ENSCING00000003785 - ENSCING00000003789	NA	NA
1353620	paired related homeobox protein-like 1 - RIKEN cDNA 9430077A04 gene	Microtubule-associated serine/threonine-protein kinase 1 (Syntrophin-associated serine/threonine-protein kinase) - Latrophilin-2 precursor	NA	NA	ENSMUSG00000044973 - ENSMUSG000000041730	ENSCING00000009244 - ENSCING00000009247	NA	NA
1353622	orofacial cleft 1 candidate 1 - solute carrier family 35, member B3	Microtubule-associated serine/threonine-protein kinase 1 (Syntrophin-associated serine/threonine-protein kinase) - Latrophilin-2 precursor	NA	NA	ENSMUSG00000021432 - ENSMUSG000000047094	ENSCING00000009244 - ENSCING00000009247	NA	NA
1353651	neurogenic differentiation 2 - CDC2-related kinase, arginine/serine-rich	Bone morphogenetic protein 2 precursor - LIM/homeobox protein Lhx4	NA	NA	ENSMUSG00000003119 - ENSMUSG000000038255	ENSCING00000001561 - ENSCING00000001549	NA	NA
1353652	adenylate cyclase activating polypeptide 1 receptor 1 - neurogenic differentiation 6	Bone morphogenetic protein 2 precursor - LIM/homeobox protein Lhx4	NA	NA	ENSMUSG000000037984 - ENSMUSG000000029778	ENSCING00000001561 - ENSCING00000001549	NA	NA
1353655	zinc finger protein 503 - RIKEN cDNA 1700112E06 gene - predicted gene 5670	Sal-like protein 3 - Tumor suppressor candidate 2	NA	NA	ENSMUSG000000059827 - ENSMUSG000000039081 - ENSMUSG000000063458	ENSCING00000003817 - ENSCING00000003802	NA	NA
1353683	serine/threonine kinase 33 - LIM domain only 1	Anthranilate synthase component II [Includes: Glutamine amidotransferase; Anthranilate phosphoribosyltransferase] - Protein KIAA0323 - Frizzled 10 precursor	NA	NA	ENSMUSG000000031027 - ENSMUSG000000036111	ENSCING00000014111 - ENSCING00000014116 - ENSCING00000002422	NA	NA
1353736	H6 homeo box 2 - H6 homeo box 3	Homeobox protein SIX2 - Probable phosphoketolase , PHK_GLOVI Probable phosphoketolase - Baculoviral IAP repeat-containing protein 5	NA	NA	ENSMUSG000000050100 - ENSMUSG000000040148	ENSCING00000004985 - ENSCING00000004979	NA	NA
1353795	early B-cell factor 3 - RIKEN cDNA 9430038I01 gene - NA	Putative Polycomb group protein ASXL1 - Forkhead box protein Q1 (HNF-3/forkhead-like protein 1)	NA	NA	ENSMUSG000000073800 - ENSMUSG000000040139 - ENSMUSG000000010476	ENSCING00000009458 - ENSCING00000003911	NA	NA
1353839	mitogen-activated protein kinase associated protein 1 - family with sequence similarity 125, member B; similar to RIKEN cDNA 2610528K11 gene - similar to PBX3a; pre B-cell leukemia transcription factor 3	Cadmium induced protein AS8 - Leucyl-tRNA synthetase	NA	NA	ENSMUSG000000038740 - ENSMUSG000000038718 - ENSMUSG000000038696	ENSCING00000012059 - ENSCING00000012060	NA	NA

1353858	myosin, light polypeptide 2, regulatory, cardiac, slow - family with sequence similarity 109, member A - cut-like homeobox 2	Zinc finger homeobox protein 1b - Nebulin	NA	voltage-dependent calcium channel type a subunit alpha-1 - cacophony protein - NA	ENSMUSG00000013936 - ENSMUSG000000042589 - ENSMUSG000000044134	ENSCING00000006930 - ENSCING00000006937	NA	GSOIDT00015455001 - GSOIDT00015454001
1353884	NA - forkhead box P1	Leishmanolysin precursor - B(0,+)-type amino acid transporter 1 (B(0,+AT) (Glycoprotein-associated amino acid transporter b0,+AT1) - NA	NA	NA	ENSMUSG000000030067 - ENSMUSG000000079448	ENSCING00000005119 - ENSCING00000005124 - ENSCING00000005136	NA	NA
1353914	mitogen-activated protein kinase associated protein 1 - family with sequence similarity 125, member B; similar to RIKEN cDNA 2610528K11 gene - similar to PBX3a; pre B-cell leukemia transcription factor 3	Hypothetical UPF0219 protein TV0132 - 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase-like 4	NA	NA	ENSMUSG000000038740 - ENSMUSG000000038718 - ENSMUSG000000038696	ENSCING000000012490 - ENSCING00000007600	NA	NA
1353915	mitogen-activated protein kinase kinase 5 - ladybird homeobox 1 homolog corepressor 1	Hypothetical UPF0219 protein TV0132 - 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase-like 4	NA	NA	ENSMUSG000000058444 - ENSMUSG000000022245	ENSCING000000007600 - ENSCING000000012490	NA	NA
1353929	paired box gene 5 - zinc finger, CCHC domain containing 7 - maternal embryonic leucine zipper kinase	Leishmanolysin precursor - B(0,+)-type amino acid transporter 1 (B(0,+AT) (Glycoprotein-associated amino acid transporter b0,+AT1) - NA	NA	NA	ENSMUSG000000035683 - ENSMUSG000000035649 - ENSMUSG000000014030	ENSCING00000005119 - ENSCING00000005124 - ENSCING00000005136	NA	NA
1353951	paired-like homeobox 2b - transmembrane protein 33	Hypothetical UPF0219 protein TV0132 - 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase-like 4	NA	NA	ENSMUSG000000037720 - ENSMUSG000000012520	ENSCING000000007600 - ENSCING000000012490	NA	NA
1353964	early B-cell factor 3 - RIKEN cDNA 9430038I01 gene - NA	Eukaryotic translation initiation factor 2-alpha kinase 4	NA	NA	ENSMUSG000000073800 - ENSMUSG000000040139 - ENSMUSG000000010476	ENSCING000000009891	NA	NA
1354015	early B-cell factor 3 - RIKEN cDNA 9430038I01 gene - NA	Kinesin-like protein KIF1A - NAD-dependent malic enzyme - Integrin alpha-M precursor	NA	NA	ENSMUSG000000040139 - ENSMUSG000000073800 - ENSMUSG000000010476	ENSCING000000008961 - ENSCING000000013644 - ENSCING000000013643	NA	NA
1354042	zinc finger protein 503 - RIKEN cDNA 1700112E06 gene - predicted gene 5670	Fibrillin-1 precursor - Probable sulfate adenylyltransferase	NA	NA	ENSMUSG000000059827 - ENSMUSG000000039081 - ENSMUSG000000063458	ENSCING000000008571 - ENSCING000000012628	NA	NA
1354045	RIKEN cDNA B230120H23 gene - cell division cycle associated 7	Epidermal Langerhans cell protein LCP1 - Phosphoenolpyruvate-protein phosphotransferase (Phosphotransferase system, enzyme I)	NA	NA	ENSMUSG000000055612 - ENSMUSG00000004085	ENSCING000000009516 - ENSCING000000009517	NA	NA
1354048	DNA segment, Chr 6, ERATO Doi 474, expressed - SRY-box containing gene 5 - NA	Epidermal Langerhans cell protein LCP1 - Phosphoenolpyruvate-protein phosphotransferase (Phosphotransferase system, enzyme I)	NA	NA	ENSMUSG000000072677 - ENSMUSG000000072679 - ENSMUSG000000041540	ENSCING000000009516 - ENSCING000000009517	NA	NA

1354063	short stature homeobox 2 - arginine/serine-rich coiled-coil 1 - myeloid leukemia factor 1	Hypothetical UPF0219 protein TV0132 - 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase-like 4	NA	NA	ENSMUSG00000048416 - ENSMUSG00000034544 - ENSMUSG00000027833	ENSCING00000007600 - ENSCING000000012490	NA	NA
1354068	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 - zinc finger homeobox 3 - RIKEN cDNA 4922502B01 gene	Hypothetical 51.0 kDa protein in YIP3-TFC5 intergenic region - Spectrin beta chain, brain 1 (Spectrin, non-erythroid beta chain 1) - WD-repeat protein 35	nephrocystin-3 - tetratricopeptide repeat protein 28	NA	ENSMUSG000000038872 - ENSMUSG000000054165 - ENSMUSG000000039067	ENSCING00000008947 - ENSCING00000008962 - ENSCING00000008946	70033 - 70034	NA
1354116	similar to c-Maf long form; avian musculoaponeurotic fibrosarcoma AS42 oncogene homolog - WW domain-containing oxidoreductase	Stanniocalcin 1 precursor - Bromodomain-containing protein 8	NA	NA	ENSMUSG00000004637 - ENSMUSG000000055435	ENSCING00000007428 - ENSCING00000007427	NA	NA
1354218	vacuolar protein sorting 41 - POU domain, class 6, transcription factor 2	Semaphorin 6A precursor - Myosin IJ heavy chain, RUFY1_HUMAN RUN and FYVE domain containing protein 1	NA	NA	ENSMUSG000000041236 - ENSMUSG00000009734	ENSCING000000010126 - ENSCING000000014403	NA	NA
1354230	RIKEN cDNA 1700020O03 gene - estrogen related receptor, beta	Glycoprotein 38 precursor - Systemic RNA interference defective protein 1 precursor - Sodium channel protein type X alpha subunit	NA	NA	ENSMUSG000000021254 - ENSMUSG000000021255	ENSCING000000013887 - ENSCING000000013886 - ENSCING000000013885	NA	NA
1354244	limb and neural patterns - ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c, isoform 3	Poly-specific ribonuclease PARN protein 9, A2BP1_MOUSE Ataxin 2-binding protein 1	NA	NA	ENSMUSG000000018770 - ENSMUSG000000009207	ENSCING000000013912 - ENSCING000000010142	NA	NA
1354247	neurogenic differentiation 2 - CDC2-related kinase, arginine/serine-rich	Poly-specific ribonuclease PARN protein 9, A2BP1_MOUSE Ataxin 2-binding protein 1	NA	NA	ENSMUSG000000038255 - ENSMUSG000000003119	ENSCING000000013912 - ENSCING000000010142	NA	NA
1354250	adenylate cyclase activating polypeptide 1 receptor 1 - neurogenic differentiation 6	Poly-specific ribonuclease PARN protein 9, A2BP1_MOUSE Ataxin 2-binding protein 1	NA	NA	ENSMUSG000000037984 - ENSMUSG0000000029778	ENSCING000000013912 - ENSCING000000010142	NA	NA