## Table S1. 247 Genes Identified in Multiple Hits (Top 212 genes identified in multiple sorts)

Gene and Function	EntrezGene ID	#Clones	#Sorts
SERPINI1/SERPINB7/SERPINB6/SERPINA7/SERPINB2/SERPINB4: serine (or cysteine) proteinase inhibitor.	NM_001122752.1	8	4
TRIM10: tripartite motif-containing 10 isoform 1 and 2. Seems to play an important role in erythropoiesis.	NM_006778.3	4	4
ADAM9: ADAM metallopeptidase domain 9 (meltrin gamma)		4	3
APC: adenomatous polyposis coli. Antagonist of the Wnt signaling pathway.	NM_000038	5	3
CASP8: caspase 8 isoform B precursor. Caspases play a central role in the execution-phase of cell apoptosis.	NM_001228	4	3
CCL8: small inducible cytokine A8 precursor. This cytokine displays chemotactic activity for monocytes, lymphocytes, basophils and eosinophils.	NM_005623.2	3	3
DICER1: dicer 1, ribonuclease type III; This encoded protein possessing an RNA helicase motif containing a DEXH box in its amino terminus.	NM_177438	4	3
EIF2AK2: eukaryotic translation initiation factor 2-alpha kinase 2.	NM_002759.1	3	3
EML1: echinoderm microtubule associated protein like 1.	NM_001008707.1	4	3
ENPP4: ectonucleotide phyrophosphatase/phosphodiesterase 4 (putative function).	NM_014936.4	5	3
FAF1: Fas (TNFRSF6) associated factor 1 (UCSC); Mediates apoptosis in a number of organ systems.	NM_007051.2	7	3
GCSH: glycine cleavage system protein H (aminomethyl carrier)	NM_004483.3	8	3
GDNF: glial cell derived neurotrophic factor isoform 2.	NM_000514.2	3	3
HNRPH2: heterogeneous nuclear ribonucleoprotein H2. Influence pre-mRNA processing and other aspects of mRNA metabolism and transport.	NC_007878.1	5	3
ITPR1/ITPR2/ITPR3: inositol 1,4,5-triphosphate receptor, type 3	NM_001099952.1	3	3
KL: klotho isoform a. type-I membrane protein that is related to beta-glucosidases. Klotho-deficient mice had decreased nitric oxide production	NM_004795.2	5	3
KLF11: Kruppel-like factor 11. Transcription factor	NM_003597	3	3
MED6: Homo sapiens RNA polymerase II transcriptional regulation mediator (Med6, S. cerevisiae, homolog of), mRNA.	NM_005466	3	3
MLLT10: myeloid/lympohoid or mixed-lineage leukemia, 10.	NM_001009569.1	3	3
NPY5R: neuropeptide Y receptor Y5. Receptor for CCL2, CCL5, CCL8.	NM_006174	4	3
PDCD4: programmed cell death 4 isoform 1. Gene expression is modulated by cytokines in natural killer and T cells.	NM_014456.3	3	3
PSIP1 / SNAPC3: PC4 and SFRS1 interacting protein 1 isoform 2. Transcriptional coactivator.	NM_033222	4	3
RECQL: RecQ protein-like isoform 1. Unknown function, belongs to a DNA helicase family.	NM_002907	4	3
SCGB2A2: secretoglobin, family 2A, member 2	NM_002411	4	3
SEMA3G: semaphorin sem2	NM_020163	3	3
SH2B3: lymphocyte adaptor protein.	NM_005475	3	3
SLC11A2: solute carrier family 11 (proton-coupled). The product of this gene transports divalent metals and is involved in iron absorption.	NM_000617	2	3
SLC25A46/SLC25A30/SLC25A16/SLC25A13: solute carrier family 25, member 46. Mitochondrial carrier protein family.	NM_138773.1	4	3
SLC4A7/SLC4A4/SLC4A8: solute carrier family 4, sodium bicarbonate	NM_003615	5	3
TCF7: transcription factor 7 (T-cell specific)	NM_003202.2	3	3
TEP1: telomerase-associated protein 1, essential for the replication of chromosome termini.	NM_007110.3	7	3
TSHR: thyroid stimulating hormone receptor.	NM_000369.2	3	3
TTC9: tetratricopeptide repeat domain 9	NM_015351.1	3	3
ZFR: zinc finger RNA binding protein.	NM_016107	3	3
ZNF193: zinc finger protein 193. May be involved in transcriptional regulation.	NM_006299	4	3
ZNF228 (ZNF112): zinc finger protein 228 or 112	NM_00108335.1	4	3
ZNF638: zinc finger protein 638. Binds ctyidine-rich sequences in dsDNA. It is associated with packaging, transferring, or processing transcripts.	NM_014497	3	3
ABCC4: ATP-binding cassette, sub-family C, member 4. Transports various molecules across extra- and intra-cellular membranes.	NM_001105515.1	2	2
ABCC9: ATP-binding cassette, sub-family C, member 9. ABC proteins transport various molecules across extra- and intra-cellular membranes	NM_005691.2	3	2
ABHD3: alpha/beta hydrolase domain containing protein. Function unknown.	NM_138340	2	2

ACEL:         application problem         Philos a key role in lipid biosynthesis and tatly acid degradation.         NM_00459 2         4         2           ACTR2:         actin related problem 2 isoform a Specific function unknown.         NM_001005986         2         2           ADAM3::         ADAM metalloopeptidase domain 30 preproprotein. Memorane-enclored protein related to shake venom disintegrins. Tests-specific.         NM_001005986         2         2           ADAM3::         ADAM metalloopeptidase domain 30 preproprotein.         NM_00100598         2         2           ADAM3::         ADAMS::         Associated with regulator of bloop tressure.         NM_000905         2         2           ADPE::         application/metalloopeptidase inducing factor information and processine.         NM_000905         2         2           ADPE::         application and processine.         NM_000905         2         2           ADPE::         application and processine.         NM_000905         2         2           APPE::         application and processine.         NM_000905         2         2           APPE::         application and processine.         NM_00070578         2         2           APPE::         application and processine.         NM_00070592         2         2           APPE:: </th <th>Gene and Function</th> <th>EntrezGene ID</th> <th>#Clones</th> <th>#Sorts</th>	Gene and Function	EntrezGene ID	#Clones	#Sorts
ADAM39: ADAM metallopepidase domain 30 proproportein. Membrane-andrord protein related to make venom disintegrins. Testis-specific.       NM_021794.2       3       2         ADAMT51: ADAM metallopepidase domain 4. Sexclated with he regulation of blod pressure.       NM_00589.3       2       2         AGPS: Homo supers alkyligheerone phosphate synthase, mNNA.       NM_00589.3       2       2         AGPS: Homo supers alkyligheerone phosphate synthase, mNNA.       NM_00589.3       2       2         ALPM1: appetiase-inducing factor, methodenein ensphase ransphase transito.       NM_00589.3       2       2         ALPC2: analysise should 2. Promotes metaphase ransphase transito.       NM_00469.3       2       2         AVX21: analysis adaptor-related protein contex 2, signs 1. Associated with plasma membrane dimary cells.       NM_00469.2       2         APV2: stappidor 1. Stappidor 1. Brain Amedrane protein that incloras as water-aelective charme elevise dama membrane datum Noneostass.       NM_00469.3       2         APV3: stappidor telle context 2, signs 1. Associated with plasma membrane datum noneostass.       NM_004069.2       2         APV3: stappidor telle context 2, signs 1. Associated with plasma membrane datum noneostass.       NM_00100336.2       2         APV3: stappidor telle context 2, signs 1. Associated with plasma membrane datum noneostass.       NM_00100336.2       2         APV3: stappidor televin telle context 2, signs 1. Associated wit	ACSL4: acyl-CoA synthetase long-chain family member 4. Plays a key role in lipid biosynthesis and fatty acid degradation.	NM_004458.2	4	2
ADAM Test: ADAM metallopeptidase with thrombospondin type 1. Expression may be associated with various infammatory processes.       NML 006989.3       2         ADB3: adducin 3 (gamma) isoform a.Associated with the regulation of blood pressure.       NML 006069       2         ADFS: Hom sagiens alkylgiconce phosphate synthase, mRNA.       NML 006069       2         ALFR:: adoptication phosphate synthase, mRNA.       NML 006069       3       2         ALFR:: adoptication phosphate synthase, mRNA.       NML 006069       3       2         ANAPC2: anaphase promoting complex suburit 2. Promotes metaphase-anaphase transition.       NML 002475       3       2         ANKI: ankyni 1. factorm. 5: eleleved to link the integration be underlying spectrim-actin cytoskeleton.       NML 00578       2       2         APS1: adaptor-related protein complex 2. sigma 1. Associated with plasma membrane of many cells.       NML 00578       2       2         ATR3: size is alsoft and the factor is a water-selective channels in the plasma membrane of many cells.       NML 00578       2       2         ATR3: size is alsoft and the factor is alsoft and the interves bivalient calcium ions from eukaryotic cells and create calcium homeostasts.       NML 00578       2       2         ATR3: size is alsoft and the sociated anglogonesis inhibitor (BA1)-bidning protein.       NML 000300       2       2         BAAP2: EA1-acapatothe factor isoftorm C. Hember of nerve gro	ACTR2: actin-related protein 2 isoform a. Specific function unknown.	NM_001005386	2	2
ADD: adducin 3 (gamma) isoform a Associated with the regulation of blood pressure.       Nul. 019903       2       2         AGP3: Homo sapiens alkylycerone phosphate synthase. mRNA.       Nul. 003659       2       2         ALPH1: appotent sinducing factors, mitochondrina sociated. 1.       Nul. 145812       2         ALDP2: addetyre dehydrogenase 2 family (mitochondrial) nuclear gene anaphase transition.       Nul. 013366       3       2         ANAPC2: anaphase promoting complex, signal 1. Associated with plasm membrane proteins to the underying spectrim-actin cytoskieton.       Nul. 024075       3       2         AP31: adaptor related protein complex, signal 1. Associated with plasm membrane       Nul. 004069       2       2         AP42: aspaporin 4 isoform 3. membrane protein hat functions as water-selective channels in the plasma membrane of many cells.       Nul. 00106136       2       2         AP12: adaptor related protein complex, signal 1. Associated with plasma membrane       Nul. 00106136       2       2         AP12: adaptor related protein complex, signal 1. Associated vith plasma membrane of many cells.       Nul. 00106136       2       2         AP12: adaptor related protein complex, signal 1. Associated with plasma membrane function inform 2.       Nul. 0010167       2       2         AP12: adaptor related protein complex, signal 1. In an specific anglogenesis inhibitor (BA11)-bidning protein.       Nul. 00157       2	ADAM30: ADAM metallopeptidase domain 30 preproprotein. Membrane-anchored protein related to snake venom disintegrins. Testis-specific.	NM_021794.2	3	2
AGPS: Homo sapens allydyperone phosphate synthase, mRNA.NL 00355922AIFM: appotes-inducing factor, mitochondrin-associated, 1.NNL 14581222ALDR2: adeptos-inducing factor, mitochondrina), nuclear gene encoding mitochondrial protein.NNL 00369032ANAPC2: anaphase-pronoling complex suburit 2. Promotes metaphase-anaphase transition.NNL 02047532ARXI:: ankyrin Lisform 5. Believed to link the indegram lembrane reducing spectrim-actin cytoskeleton.NNL 00406922AQPI: adaptor-related protein complex 2, signa 1. Associated with plasma membrane of many cells.NNL 00163032ARXI:: ADPI: folgostation lact-related protein mat functions as water-selective channels in the plasma membrane of many cells.NNL 00163022ATVE3:: adaptor-related protein complex 2, signa 1. Associated with plasma membrane of many cells.NNL 00163022ATVE3:: adaptor is ofform 2.NNL 001360222ATVE3:: adaptor cells and create calcium homeostasis.NNL 00136022EARLY: ADPI: folgostation lact-relate selection is form eukaryotic cells and create calcium homeostasis.NNL 00063022EARLY: Davin defined foreing rotein.NNL 000657222EARLY: Davin defined foreing rotein in the brain on the brain.NNL 170735222EARLY: Davin defined foreing rotein in the brain of adoption in decises the control of a large number of enzymes and other protein sector cells.NNL 00163222EARC: Libeast cancer 1, early onset isform 1. Manitains genomic	ADAMTS1: ADAM metallopeptidase with thrombospondin type 1. Expression may be associated with various inflammatory processes.	NM_006988.3	2	2
AFM1: apoptosis-inducing factor; mitochondrian, nuclear gene encoding mitochondrial protein.       NM_145812       2         ALDP2: addityde dehytopenase 2 family (mitochondria), nuclear gene encoding mitochondrial protein.       NM_000690       3       2         ANAPC2: anglyshase-promoting complex suburt 2. Promodes metaphase-anghase transition.       NM_012475       3       2         APS1: addeptor-related protein complex 2, sigma 1. Associated with plasma membrane       NM_004090       2       2         ARL4: anappoint lisoform 1. membrane protein that functions as water-selective channels in the plasma membrane of many cells.       NM_0010396       2       2         ARL4: ADP-rbosylation factor-like 4       NM_001738       2       2         ATV23: atsinal isoform 2.       NM_001938       2       2         ATV3: atsinal isoform 2.       NM_001787       2       2         ATV3: atsinal isoform 2.       NM_003340       3       2         BCME: budry/cholinestrase.       NM_001777       2       2         BDWF: brain-fixed neurophic factor isoform 0. Member of nerve growth factor family. Necessary for survival of striatal neurons in the brain.       NM_001777       2       2         BDWF: brain-fixed neurophic factor isoform 0.       Almanian genonic istability and acts as a tumor supressor.       NM_001777       2       2         COCACMATO: calcium channel v	ADD3: adducin 3 (gamma) isoform a. Associated with the regulation of blood pressure.	NM_019903	2	2
ALDH2: aldehyde delydrogenase 2 family (mitochondrial), nuclear gene encoding mitochondrial protein.       NM_00690       3       2         ANAPC: anaphase-promoting complex solunit 2. Promotes metaphase-anaphase transition.       NM_01386       3       2         ANST: ankyrin isolom 5. Bielword bink the integral membrane proteins to the underkying spectrim-actin cytoskeleton.       NM_020409       2       2         AP24: augotor-related protein complex 2, sigma 1. Associated with plasma membrane       NM_004069       2       2         ARL: ADP-ribosylation factor-like 4       NM_001386       3       2         ATXN3: attasin 3 isoform 2.       NM_001386       2       2         ATXN3: attasin a membrane calcium AT-Base 4 lasform 4b. Removes bivalent calcium lons from eukaryotic cells and create calcium homeostasis.       NM_001386       2         ATXN3: attasin 3 isoform 2.       NM_0015878       2       2         BAIAP2: EAIT-associated protein tactin biblior. (BAIT)-bidning protein.       NM_10757       2       2         BIGS: brain/derived neutrotrophic factor isoform 6. Member of nerve growth factor family. Necessary for survival of striatal neurons in the brain.       NM_10775       2       2         BIGS: brain/derived neutrotrophic factor isoform 1. Member of opticer spress factor receptor-associaed factors.       NM_001165.3       2       2         BIGS: brasin/dail AIP repact-containing protein 3. Linbibis app	AGPS: Homo sapiens alkylglycerone phosphate synthase, mRNA.	NM_003659	2	2
ANAPC2: anaphase promoting complex subunit 2. Promotes metaphase anaphase transition.         NM_013366         3         2           ANK1: ankyrin 1 soform 5. Believed to link the integral membrane proteins to the underlying spectrin-actin cytoskeleton.         NM_004069         2         2           AQP1: adaptor-related protein a membrane protein that functions as water-selective channels in the plasma membrane of many cells.         NM_004069         2         2           AQP1: adaptor-related protein that functions as water-selective channels in the plasma membrane of many cells.         NM_001650         3         2           ATD28: jabator actor-like 4         ATR28: jabator actor-like 4         NM_001001396         2         2           ATIN: similane decarboxyles antzyme inhibitor. Regulates cellular polyamine homeostasis.         NM_001001396         2         2           BAMP2: BAI1-associated protein 2 isoform 1. brain-specific angiogenesis inhibitor (BAI1)-bidning protein.         NM_001650         2         2           BMM: brain-dived neurotophic factor isoform c. Member of nerve growth factor family. Necessary for survival of striatal neurons in the brain.         NM_017735         2         2           BMC1: basonuclin 1. zinc finger protein present in the basal cell layer of epidermis and in hair folicies.         NM_001717         2         2           BRC4: ibeact cancer 1, early onset isoform 1. Maintains genomic stability and acts as a tumor suppressor.         NM_007724	AIFM1: apoptosis-inducing factor, mitochondrion-associated, 1.	NM_145812	2	2
ANH:NML 0204753322AP231:adaptor-related protein complex 2, sigma 1. Associated with plasma membraneNML 00406922AP24:adaptor-related protein complex 2, sigma 1. Associated with plasma membraneNML 0016503322AP24:adaptor-related protein catcor-like 4NML 001738222ATP34:plasma membrane calcium ATPase 4 isoform 4b. Removes bivalent calcium ions from eukaryotic cells and create calcium homeostasis.NML 0013082222ATNN:attain 3 lsoform 1.NML 005738332222BAIAP2: BAI1-associated protein 2 isoform 1. brain-specific angiogenesis inhibitor (BAI1)-bidning protein.NML 0006562222BDNE:brain/yicholinesterase.NML 0007502222BDNE:brain/yicholinesterase.NML 0007552222BRC1:bascociated protein 2 isoform 1. brain-specific angiogenesis inhibitor (BAI1)-bidning protein.NML 007732222BRC1:bascociated protein 2 isoform 1. brain-specific angiogenesis by hinding to tracor receptor-associaed factors.NML 007732222BRC1:bascociated protein 2 isoform 1. Maintains genomic stability and acts as a tumor suppressor.NML 0072742222Cotoris:chosenbel - tympologic factor isoform 2 per proteinned at as a tumor suppressor.NML 0072742222Cotoris:Cotoset function associated antigen and in hair follicles.NML 00779522222Cotoris:Cotoset function associated antigen 3. Cell adhesion molecule,	ALDH2: aldehyde dehydrogenase 2 family (mitochondrial), nuclear gene encoding mitochondrial protein.	NM_000690	3	2
ANH:NML 0204753322AP231:adaptor-related protein complex 2, sigma 1. Associated with plasma membraneNML 00406922AP24:adaptor-related protein complex 2, sigma 1. Associated with plasma membraneNML 0016503322AP24:adaptor-related protein catcor-like 4NML 001738222ATP34:plasma membrane calcium ATPase 4 isoform 4b. Removes bivalent calcium ions from eukaryotic cells and create calcium homeostasis.NML 0013082222ATNN:attain 3 lsoform 1.NML 005738332222BAIAP2: BAI1-associated protein 2 isoform 1. brain-specific angiogenesis inhibitor (BAI1)-bidning protein.NML 0006562222BDNE:brain/yicholinesterase.NML 0007502222BDNE:brain/yicholinesterase.NML 0007552222BRC1:bascociated protein 2 isoform 1. brain-specific angiogenesis inhibitor (BAI1)-bidning protein.NML 007732222BRC1:bascociated protein 2 isoform 1. brain-specific angiogenesis by hinding to tracor receptor-associaed factors.NML 007732222BRC1:bascociated protein 2 isoform 1. Maintains genomic stability and acts as a tumor suppressor.NML 0072742222Cotoris:chosenbel - tympologic factor isoform 2 per proteinned at as a tumor suppressor.NML 0072742222Cotoris:Cotoset function associated antigen and in hair follicles.NML 00779522222Cotoris:Cotoset function associated antigen 3. Cell adhesion molecule,	ANAPC2: anaphase-promoting complex subunit 2. Promotes metaphase-anaphase transition.	NM_013366	3	2
AQP4: aquaporin 4 isoform a. membrane protein that functions as water-selective channels in the plasma membrane of many cells.NM_00165032ARL4: ADP-troosylation factor-like 4NM_001073822ART284: plasma membrane calcium ATPase 4 isoform 4b. Removes bivalent calcium ions from eukaryotic cells and create calcium homeostasis.NM_00101039622ATXN3: ataxin 3 isoform 2.NM_001677822AZIN1: crinthine decathoxylase antizyme inhibitor. Regulates calcular polyamine homeostasis.NM_001687822BAPZ: Ed.11-associated protein 2 isoform 1. brain-specific angiogenesis inhibitor (BA11)-bidning protein.NM_00036522BGLE: budrypicholinesterase.NM_00105522BDK1: train-derived neurotrophic factor isoform c. Member of nerve growth factor family. Necessary for survival of striatal neurons in the brain.NM_01175.522BRC1: basonuclin 1. zhar finger protein present in the basal cell layer of epidermis and in hair follicles.NM_001707.522Clorel: chorensome 1 open reading frame 9 proteinCell admobility and acts as a tumor suppressor.NM_0072022CALM1: calicum channel voltage-dependent L typeNM_0018622CALEP1: CDC42 effector protein (ho GTPase binding) 4.NM_0018622CD58: molecule. Lymphoryte introdo-associated antiger 0.NM_0018622CDF1: cadhenin 7, type 2 preproprotein. Calcium dependent cell-call adhesion molecule 8.NM_0018622CDF1: cadhenin 7, type 2 preproprotein. Calcium dependent cell-cell adhesion molecule 8. <td>ANK1: ankyrin 1 isoform 5. Believed to link the integral membrane proteins to the underlying spectrin-actin cytoskeleton.</td> <td></td> <td>3</td> <td>2</td>	ANK1: ankyrin 1 isoform 5. Believed to link the integral membrane proteins to the underlying spectrin-actin cytoskeleton.		3	2
ARL4: ADP-inbosylation factor-like 4       NM_0005738       2       2         ATP284: plasma membrane calcium ATPase 4 isoform 4b. Removes bivalent calcium ions from eukaryotic cells and create calcium homeostasis.       NM_001001396       2       2         ATR0: atoxin 3 isoform 2.       NM_001878       2       2         AZIN1: omithine decarboxylase antizyme inhibitor. Regulates cellular polyamine homeostasis.       NM_001878       2       2         BAAP2: EAH-associated protein 2 isoform 1. brain-specific angiogenesis inhibitor (BAH1)-bidning protein.       NM_00085       2       2         BOFE: inan-derived neurotrophic factor isoform c. Member of nerve growth factor family. Necessary for survival of striatal neurons in the brain.       NM_0101873       2       2         BIRC3: baceuloviral IAP repeat-containing protein 3. Inhibits apoptosis by binding to tumor necrosis factor receptor-associaed factors.       NM_001186.3       2       2         BIRC1: basonuclin 1. zinc finger protein present in the basal cell layer of epidermis and in hair follicles.       NM_001270       2       2         CACMA1D: calcium channel voltage-dependent L type       NM_000888       7       2         CALM1: calmodulin 1 (bnosphorylase kinase, della). Calimodulin mediates the control of a large number of enzymes and other proteins by Ca(2+).       NM_000888       7       2         CDM2: CD42 effector protein. (RNo GTPase binding) 4.       CDH7: cadmein 7, type 2 preprop		NM_004069	2	2
ARL4: ADP-ribosylation factor-like 4NM_00573822ATP284: plasma membrane calcium ATPase 4 isoform 4b. Removes bivalent calcium ions from eukaryotic cells and create calcium homeostasis.NM_0010139622ATXN3: atoxin 3 isoform 2.NM_00489322AZIN1: comithine decarboxylase antizyme inhibitor. Regulates cellular polyamine homeostasis.NM_00489322BAAP2: BA1-associated protein 2 isoform 1. brain-specific angiogenesis inhibitor (BA11)-bidning protein.NM_0008340322BDNF: brain-derived neurotrophic factor isoform c. Member of nerve growth factor family. Necessary for survival of striatal neurons in the brain.NM_00157522BIRC3: baculoviral IAP repeat-containing protein 3. Inhibits apoptosis by binding to tumor necrosis factor receptor-associaed factors.NM_00171722BRC41: breast cancer 1, early onset isoform 1. Maintains genomic stability and acts as a tumor suppressor.NM_00720222CACMA1D: calcium channel voltage-dependent L typeNM_007202222CALM1: calmodulin 1 (honsphorylase kinase, deta). Calimodulin mediates the control of a large number of enzymes and other proteins by Ca(2+).NM_00888722CDM2: carcino ending rane 0 protein.Scill andhesion molecule, mediates athesion between killer and target cells, etc.NM_001876322CDM2: carcino ending rane 0 and early orbitin channel.NM_0018763222CLM2: calcor protein. Calcium dependent cell-cell adhesion molecule, mediates athesion between killer and target cells, etc.	AQP4: aquaporin 4 isoform a. membrane protein that functions as water-selective channels in the plasma membrane of many cells.	NM_001650	3	2
ATXN3: ataxin 3 isoform 2.NM_00499322AZIN1: contribute decarboxylase antzyme inhibitor. Regulates cellular polyamine homeostasis.NM_01587822BANP2: EAHT-associated protein 2 isoform 1. brain-specific angiogenesis inhibitor (BAI1)-bidning protein.NM_000364032BCHE: butyycholinesterase.NM_00005522BINC3: bacaloviral IAP repeat-containing protein 3. Inhibits apotosis by binding to tumor necrosis factor receptor-associaed factors.NM_00171722BIRC3: bacaloviral IAP repeat-containing protein 1. maintains genomic stability and acts as a tumor suppressor.NM_00171722CACMA1D: calcium channel voltage-dependent L typeNM_00072022CALM1: calmodulin 1 (phosphorylase kinase, delta). Calmodulin mediates the control of a large number of enzymes and other proteins by Ca(2+).NM_00177952CDC422F1: CDC422 effector protein (Phose Prase binding) 4.NM_001779522CDL421: calcium channel, voltage-dependent Cell-cell adhesion molecule, mediates adhesion between killer and target cells, etc.NM_00177952CDC422F1: CDC422 effector protein (Phose Prase binding) 4.NM_001816222CDL421: calcium channel, neclecter ensister control.NM_001816222CDC422F1: controls in Group rotein (No Group ensister control of a large number of enzymes and other proteins, bw_00181622CDL421: calcium channel voltage-dependent cell-cell adhesion nglycoprotein.NM_00181622CDC422F1: controls in Group entrols in Group entrols in prot	ARL4: ADP-ribosylation factor-like 4	NM_005738	2	2
AZIN1: omithine decarboxylase antizyme inhibitor. Regulates cellular polyamine homeostasis.NM_010634022BAAP2: BAI-associated protein 2 isoform 1. brain-specific angiogenesis inhibitor (BA11)-bidning protein.NM_00034032BCHE: butyylcholinesterase.NM_00005522BINF: brain-derived neurotrophic factor isoform c. Member of nerve growth factor family. Necessary for survival of striatal neurons in the brain.NM_17073522BIRC3: baculoviral IAP repeat-containing protein 3. Inhibits apoptosis by binding to tumor necrosis factor receptor-associaed factors.NM_001165.322Clorifs: charact cancer 1, early onset isoform 1. Maintains genomic stability and acts as a tumor suppressor.NM_00122422Clorifs: charact cancer 1, early onset isoform 2. dependent L typeNM_00720222CALMAID: calcium channel voltage-dependent L typeNM_001720222CALMAID: calcium channel voltage-dependent L typeNM_001779522CDSS: CDSS molecule. Lymphocyte function-associated antigen 3. Cell adhesion molecule, mediates adhesion between killer and target cells, etc.NM_00177952CDF4: cachinerin rype 2 preproprotein. Calcium dependent cell-cell adhesion glycoprotein.NM_00181622CDF7: cachinerin rype 2 preproprotein. Calcium dependent cell-cell adhesion glycoprotein.NM_00181622CDF7: cachinerin rype 2 preproprotein. Calcium dependent cell-cell adhesion glycoprotein.NM_00181622CDF7: cachinerin rype 2 preproprotein. Calcium dependent cell-cell adhesion molecule 8.	ATP2B4: plasma membrane calcium ATPase 4 isoform 4b. Removes bivalent calcium ions from eukaryotic cells and create calcium homeostasis.	NM_001001396	2	2
BAIAP2: BAI1-associated protein 2 isoform 1. brain-specific angiogenesis inhibitor (BAI1)-bidning protein.NM_00634032BCHE: butyrylcholinesterase.NM_0005522BDNF: brain-derived neurotrophic factor isoform c. Member of nerve growth factor family. Necessary for survival of striatal neurons in the brain.NM_17073522BIRG: baceloviral IAP repeat-containing protein 3. Inhibits apoptosis by binding to tumor necrosis factor receptor-associaed factors.NM_01165.322BRCA1: breast cancer 1, early onset isoform 1. Maintains genomic stability and acts as a tumor suppressor.NM_00177722CACNA1D: calcium channel voltage-dependent L typeNM_00622022CALM1: calmodulin 1 (phosphorylase kinase, deta). Calimodulin mediates the control of a large number of enzymes and other proteins by Ca(2+).NM_0072022CDC42EP4: CDC42 effector protein (Rho GTPase binding) 4.NM_0011212122CDC42EP4: CDC42 effector protein (Rho GTPase binding) 4.NM_00181622CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_00406732CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_0012332CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_0012332CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_001233 <td>ATXN3: ataxin 3 isoform 2.</td> <td>NM_004993</td> <td>2</td> <td>2</td>	ATXN3: ataxin 3 isoform 2.	NM_004993	2	2
BCHE: butyrytcholinesterase.NM_00005522BDNF: brain-derived neurotrophic factor isofom c. Member of nerve growth factor family. Necessary for survival of striatal neurons in the brain.NM_00005522BIRC3: baculoviral IAP repeat-containing protein 3. Inhibits apoptosis by binding to tumor necrosis factor receptor-associaed factors.NM_001165.322BIRC3: baculoviral IAP repeat-containing protein 7. Maintains genomic stability and acts as a tumor suppressor.NM_00171722BRCA1: breast cancer 1, early onset isoform 1. Maintains genomic stability and acts as a tumor suppressor.NM_000729422Choris: chromosome 1 open reading frame 9 proteinCalmodulin mediates the control of a large number of enzymes and other proteins by Ca(2+).NM_00888872CDS8: CD58 molecule. Lymphocyte function-associated antigen 3. Cell adhesion molecule, mediates adhesion between killer and target cells, etc.NM_00177952CD42EF4: CDC42 effector protein (Rho GTPase binding) 4.NM_021211222CDH7: cadherin 7, type 2 preproprotein. Calcium dependent cell-cell adhesion glycoprotein.NM_00181622CH7R: cystic fibrosis transmembrane conductance. Chloride channel.NM_000492322CH7R: cystic fibrosis transmembrane conductance. Chloride channel.NM_00129332CH7R: black chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_00129332CH7R: crystalin, gamma D.CR1NM_001800222CH7R: c	AZIN1: ornithine decarboxylase antizyme inhibitor. Regulates cellular polyamine homeostasis.	NM_015878	2	2
BDNF: brain-derived neurotrophic factor isoform c. Member of nerve growth factor family. Necessary for survival of striatal neurons in the brain.NM_17073522BIRG3: baculoviral IAP repeat-containing protein 3. Inhibits apoptosis by binding to turnor necrosis factor receptor-associaed factors.NM_001165.322BIRC1: basonuclin 1. zinc finger protein present in the basal cell layer of epidermis and in hair follicles.NM_0017722BIRC1: breast cancer 1, early onset isoform 1. Maintains genomic stability and acts as a turnor suppressor.NM_00729422Clorf9: chromosome 1 open reading frame 9 proteinNM_016227222CACNA1D: calcium channel voltage-dependent L typeNM_00720222CDC42EP4: CDC42 effector protein (Rho GTPase binding) 4.NM_00179522CDF7: cadherin 7, type 2 preproprotein. Calcium dependent cell-cell adhesion molecule, mediates adhesion between killer and target cells, etc.NM_00181622CFR: cystic fibrosis transmembrane conductance. Chloride channel.NM_001816222CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_00406732CLNS1A: chloride channel, nucleotide-sensitive, 1ANM_001755322CHN2: beta chimerin isoform 1. (placental actogen)NM_00407532CHN2: beta chimerin isoform 1. Mainte sensement membrane of the corneal endothelium.NM_00185022CHN2: beta chimerin isoform 1. Chalse-sensitive, 1ANM_0040753	BAIAP2: BAI1-associated protein 2 isoform 1. brain-specific angiogenesis inhibitor (BAI1)-bidning protein.	NM_006340	3	2
BDNF: brain-derived neurotrophic factor isoform c. Member of nerve growth factor family. Necessary for survival of striatal neurons in the brain.NM_17073522BIRG3: baculoviral IAP repeat-containing protein 3. Inhibits apoptosis by binding to turnor necrosis factor receptor-associaed factors.NM_001165.322BIRC1: basonuclin 1. zinc finger protein present in the basal cell layer of epidermis and in hair follicles.NM_0017722BIRC1: breast cancer 1, early onset isoform 1. Maintains genomic stability and acts as a turnor suppressor.NM_00729422Clorf9: chromosome 1 open reading frame 9 proteinNM_016227222CACNA1D: calcium channel voltage-dependent L typeNM_00720222CDC42EP4: CDC42 effector protein (Rho GTPase binding) 4.NM_00179522CDF7: cadherin 7, type 2 preproprotein. Calcium dependent cell-cell adhesion molecule, mediates adhesion between killer and target cells, etc.NM_00181622CFR: cystic fibrosis transmembrane conductance. Chloride channel.NM_001816222CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_00406732CLNS1A: chloride channel, nucleotide-sensitive, 1ANM_001755322CHN2: beta chimerin isoform 1. (placental actogen)NM_00407532CHN2: beta chimerin isoform 1. Mainte sensement membrane of the corneal endothelium.NM_00185022CHN2: beta chimerin isoform 1. Chalse-sensitive, 1ANM_0040753		_	2	2
BIRC3: baculoviral IAP repeat-containing protein 3. Inhibits apoptosis by binding to tumor necrosis factor receptor-associaed factors.NM_001165.322BRC41: breast cancer 1, early onset isoform 1. Maintains genomic stability and acts as a tumor suppressor.NM_00729422Clorf9: chromosome 1 open reading frame 9 proteinNM_001200222CACNA1D: calcium channel voltage-dependent L typeNM_00720222CALM1: calmodulin 1 (phosphorylase kinase, delta). Calmodulin mediates the control of a large number of enzymes and other proteins by Ca(2+).NM_00177952CDC42EP4: CDC42 effector protein (Rto GTPase binding) 4.CDC42EP4: CDC42 effector protein (Rto GTPase binding) 4.NM_00121122CHTP: catherin 7. type 2 preproprotein. Calcium dependent cell-cell adhesion molecule 8.NM_001816222CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_004067322CLN514: chloride channel, nucleotide-sensitive, 1ANM_0018502222CLN514: chloride channel, nucleotide-sensitive, 1ANM_001850222CLN514: chlor	BDNF: brain-derived neurotrophic factor isoform c. Member of nerve growth factor family. Necessary for survival of striatal neurons in the brain.		2	2
BRCA1: breast cancer 1, early onset isoform 1. Maintains genomic stability and acts as a tumor suppressor.       NM_007294       2       2         C1orf9: chromosome 1 open reading frame 9 protein       NM_016227       2       2         CACNA1D: calcium channel voltage-dependent L type       NM_00720       2       2         CALM1: calmodulin 1 (phosphorylase kinase, delta). Calmodulin mediates the control of a large number of enzymes and other proteins by Ca(2+).       NM_006888       7       2         CD58: CD58 molecule. Lymphocyte function-associated antigen 3. Cell adhesion molecule, mediates adhesion between killer and target cells, etc.       NM_012121       2       2         CDH7: cadherin 7, type 2 preproprotein. Calcium dependent cell-cell adhesion glycoprotein.       NM_003846       5       2         CFRR: cystic fibrosis transmembrane conductance. Chloride channel.       NM_001816       2       2         Chromosome 2 genomic contig. Near here is SRY-box 11 (SRY-box is gene SOX4)       NM_001807       3       2         CLNS1A: chloride channel, nucleotide-senstive, 1A       NM_001850       2       2         CRY1G: crystic ing soma modicip in boritory.       NM_001850       2       2         CLNS1A: chloride channel, nucleotide-senstive, 1A       NM_001293       3       2         CRY1C: crystic rights of the potolyase-like).       NM_001850       2       2	BIRC3: baculoviral IAP repeat-containing protein 3. Inhibits apoptosis by binding to tumor necrosis factor receptor-associaed factors.	NM_001165.3	2	2
C1orf9: chromosome 1 open reading frame 9 proteinNM_01622722CACNA1D: calcium channel voltage-dependent L typeNM_00072022CALM1: calmodulin 1 (phosphorylase kinase, delta). Calmodulin mediates the control of a large number of enzymes and other proteins by Ca(2+).NM_00688872CD58: CD58 molecule. Lymphocyte function-associated antigen 3. Cell adhesion molecule, mediates adhesion between killer and target cells, etc.NM_0177952CD642EP4: CDC42 effector protein (Rho GTPase binding) 4.NM_012121222CDH7: cadherin 7, type 2 preproprotein. Calcium dependent cell-cell adhesion glycoprotein.NM_001816222CFR: cystic fibrosis transmembrane conductance. Chloride channel.NM_001816222CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_00400732CLNS1A: chloride channel, nucleotide-sensitive, 1ANM_00129332COLSA1: alpha 1 type VIII collagen precursor. Major component of the basement membrane of the corneal endothelium.NM_00185022CRYGD: crystallin, gamma D.NM_004075322CSH1: chorionic somatomammotropin hormone 1 (placental actogen)NM_00131742CSH2: cullin 48.NM_00358832CSH2: cullin 48.NM_0040332	BNC1: basonuclin 1. zinc finger protein present in the basal cell layer of epidermis and in hair follicles.	NM_001717	2	2
C1orf9: chromosome 1 open reading frame 9 proteinNM_01622722CACNA1D: calcium channel voltage-dependent L typeNM_00072022CALM1: calmodulin 1 (phosphorylase kinase, delta). Calmodulin mediates the control of a large number of enzymes and other proteins by Ca(2+).NM_00688872CD58: CD58 molecule. Lymphocyte function-associated antigen 3. Cell adhesion molecule, mediates adhesion between killer and target cells, etc.NM_0177952CD642EP4: CDC42 effector protein (Rho GTPase binding) 4.NM_012121222CDH7: cadherin 7, type 2 preproprotein. Calcium dependent cell-cell adhesion glycoprotein.NM_001816222CFR: cystic fibrosis transmembrane conductance. Chloride channel.NM_001816222CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_00400732CLNS1A: chloride channel, nucleotide-sensitive, 1ANM_00129332COLSA1: alpha 1 type VIII collagen precursor. Major component of the basement membrane of the corneal endothelium.NM_00185022CRYGD: crystallin, gamma D.NM_004075322CSH1: chorionic somatomammotropin hormone 1 (placental actogen)NM_00131742CSH2: cullin 48.NM_00358832CSH2: cullin 48.NM_0040332	BRCA1: breast cancer 1, early onset isoform 1. Maintains genomic stability and acts as a tumor suppressor.	NM_007294	2	2
CALM1: calmodulin 1 (phosphorylase kinase, delta). Calmodulin mediates the control of a large number of enzymes and other proteins by Ca(2+).NM_00688872CD58: CD58 molecule. Lymphocyte function-associated antigen 3. Cell adhesion molecule, mediates adhesion between killer and target cells, etc.NM_00177952CDC42EP4: CDC42 effector protein (Rho GTPase binding) 4.NM_012121222CDH7: cadherin 7, type 2 preproprotein. Calcium dependent cell-cell adhesion glycoprotein.NM_033646522CEACAM8: carcinoembryonic antigen-related cell adhesion molecule 8.NM_001816222CH7: cystic fibrosis transmembrane conductance. Chloride channel.NM_000492322CH2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_00406732CLNS1A: chloride channel, nucleotide-sensitive, 1ANM_00129332COL841: alpha 1 type VIII collagen precursor. Major component of the basement membrane of the corneal endothelium.NM_00185022CRYGD: crystallin, gamma D.NM_00131742CSH1: chorionic somatomammotropin hormone 1 (placental actogen)NM_00132122CSH2: cyleine and glycine-rich protein 2. May be involved in regulatory processes important for development and cellular differentiation.NM_00358832CRYGD: crystallin 48.NM_0035883222CSH1: chorionic somatomammotropin hormone 1 (placental actogen)NM_00356832CUL48: cullin 48.	C1orf9: chromosome 1 open reading frame 9 protein	NM_016227	2	2
CD58: CD58 molecule. Lymphocyte function-associated antigen 3. Cell adhesion molecule, mediates adhesion between killer and target cells, etc.NM_00177952CDC42EP4: CDC42 effector protein (Rho GTPase binding) 4.NM_01212122CDH7: cadherin 7, type 2 preproprotein. Calcium dependent cell-cell adhesion glycoprotein.NM_0384652CEACAM8: carcinoembryonic antigen-related cell adhesion molecule 8.NM_00181622CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_00409232Chromosome 2 genomic contig. Near here is SRY-box 11 (SRY-box is gene SOX4)422CLNS1A: chloride channel, nucleotide-sensitive, 1ANM_00129332CRY1: cryptochrome 1 (photolyase-like).NM_00185022CRYGD: crystallin, gamma D.SH1: chorionic somatomamotropin hormone 1 (placental actogen)NM_00131742CSF2: cyteine and glycine-rich protein 2. May be involved in regulatory processes important for development and cellular differentiation.NM_00132122NM_00358832DFNAS: Homo sapiens deafness, autosomal dominant 5, mRNA.NM_00440332	CACNA1D: calcium channel voltage-dependent L type	NM_000720	2	2
CDC42EP4: CDC42 effector protein (Rho GTPase binding) 4.NM_01212122CDH7: cadherin 7, type 2 preproprotein. Calcium dependent cell-cell adhesion glycoprotein.NM_03364652CEACAM8: carcinoembryonic antigen-related cell adhesion molecule 8.NM_00181622CFTR: cystic fibrosis transmembrane conductance. Chloride channel.NM_00049232CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_00406732Chromosome 2 genomic contig. Near here is SRY-box 11 (SRY-box is gene SOX4)4242CLNS1A: chloride channel, nucleotide-sensitive, 1ANM_001293322CRY1: cryptochrome 1 (photolyase-like).NM_001850222CRYGD: crystallin, gamma D.NM_004075322CSH1: chroinoic somatomammotropin hormone 1 (placental actogen)NM_001317422CULA8: cullin 48.NM_003588322DFNAS: Homo sapiens deafness, autosomal dominant 5, mRNA.NM_004403322DFNAS: Homo sapiens deafness, autosomal dominant 5, mRNA.NM_00440332	CALM1: calmodulin 1 (phosphorylase kinase, delta). Calmodulin mediates the control of a large number of enzymes and other proteins by Ca(2+).	NM_006888	7	2
CDH7: cadherin 7, type 2 preproprotein. Calcium dependent cell-cell adhesion glycoprotein.NM_03364652CEACAM8: carcinoembryonic antigen-related cell adhesion molecule 8.NM_00181622CFTR: cystic fibrosis transmembrane conductance. Chloride channel.NM_00049232CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_00406732Chromosome 2 genomic contig. Near here is SRY-box 11 (SRY-box is gene SOX4)4242CLNS1A: chloride channel, nucleotide-sensitive, 1ANM_001293322COL8A1: alpha 1 type VIII collagen precursor. Major component of the basement membrane of the corneal endothelium.NM_00185022CRYGD: crystallin, gamma D.NM_004075322CSH1: chorionic somatomammotropin hormone 1 (placental actogen)NM_00131742CSRP2: cyteine and glycine-rich protein 2. May be involved in regulatory processes important for development and cellular differentiation.NM_00132122CUL4B: cullin 4B.NM_0035883222DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA.NM_00440332	CD58: CD58 molecule. Lymphocyte function-associated antigen 3. Cell adhesion molecule, mediates adhesion between killer and target cells, etc.	NM_001779	5	2
CEACAM8: carcinoembryonic antigen-related cell adhesion molecule 8.NM_00181622CFTR: cystic fibrosis transmembrane conductance. Chloride channel.NM_00049232CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_00406732Chromosome 2 genomic contig. Near here is SRY-box 11 (SRY-box is gene SOX4)4242CLNS1A: chloride channel, nucleotide-sensitive, 1ANM_001293322COL8A1: alpha 1 type VIII collagen precursor. Major component of the basement membrane of the corneal endothelium.NM_001850222CRYGD: crystallin, gamma D.NM_0068912222CSH1: chorionic somatomammotropin hormone 1 (placental actogen)NM_001317422CSRP2: cyteine and glycine-rich protein 2. May be involved in regulatory processes important for development and cellular differentiation.NM_00132122CUL4B: cullin 4B.NM_0035883222DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA.NM_00440332	CDC42EP4: CDC42 effector protein (Rho GTPase binding) 4.	NM_012121	2	2
CFTR: cystic fibrosis transmembrane conductance. Chloride channel.NM_00049232CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_00406732Chromosome 2 genomic contig. Near here is SRY-box 11 (SRY-box is gene SOX4)4242CLNS1A: chloride channel, nucleotide-sensitive, 1ANM_001293322COL8A1: alpha 1 type VIII collagen precursor. Major component of the basement membrane of the corneal endothelium.NM_00185022CRY1: cryptochrome 1 (photolyase-like).NM_004075322CRYGD: crystallin, gamma D.NM_006891222CSH1: chorionic somatomammotropin hormone 1 (placental actogen)NM_00131742CSRP2: cyteine and glycine-rich protein 2. May be involved in regulatory processes important for development and cellular differentiation.NM_00132122CUL4B: cullin 4B.NM_003588322DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA.NM_00440332	CDH7: cadherin 7, type 2 preproprotein. Calcium dependent cell-cell adhesion glycoprotein.	NM_033646	5	2
CFTR: cystic fibrosis transmembrane conductance. Chloride channel.NM_00049232CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.NM_00406732Chromosome 2 genomic contig. Near here is SRY-box 11 (SRY-box is gene SOX4)4242CLNS1A: chloride channel, nucleotide-sensitive, 1ANM_001293322COL8A1: alpha 1 type VIII collagen precursor. Major component of the basement membrane of the corneal endothelium.NM_00185022CRY1: cryptochrome 1 (photolyase-like).NM_004075322CRYGD: crystallin, gamma D.NM_006891222CSH1: chorionic somatomammotropin hormone 1 (placental actogen)NM_00131742CSRP2: cyteine and glycine-rich protein 2. May be involved in regulatory processes important for development and cellular differentiation.NM_00132122CUL4B: cullin 4B.NM_003588322DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA.NM_00440332	CEACAM8: carcinoembryonic antigen-related cell adhesion molecule 8.	NM_001816	2	2
Chromosome 2 genomic contig. Near here is SRY-box 11 (SRY-box is gene SOX4)42CLNS1A: chloride channel, nucleotide-sensitive, 1ANM_00129332COL8A1: alpha 1 type VIII collagen precursor. Major component of the basement membrane of the corneal endothelium.NM_00185022CRY1: cryptochrome 1 (photolyase-like).NM_004075322CRYGD: crystallin, gamma D.NM_006891222CSH1: chorionic somatomammotropin hormone 1 (placental actogen)NM_001317422CSRP2: cyteine and glycine-rich protein 2. May be involved in regulatory processes important for development and cellular differentiation.NM_00132122CUL4B: cullin 4B.NM_003588322DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA.NM_00440332		NM_000492	3	2
CLNS1A: chloride channel, nucleotide-sensitive, 1ANM_00129332COL8A1: alpha 1 type VIII collagen precursor. Major component of the basement membrane of the corneal endothelium.NM_00185022CRY1: cryptochrome 1 (photolyase-like).NM_00407532CRYGD: crystallin, gamma D.NM_00689122CSH1: chorionic somatomammotropin hormone 1 (placental actogen)NM_00131742CSRP2: cyteine and glycine-rich protein 2. May be involved in regulatory processes important for development and cellular differentiation.NM_00132122CUL4B: cullin 4B.DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA.NM_00440332DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA.NM_00440332	CHN2: beta chimerin isoform 1. GTPase-activating protein activity. Plays a role in proliferation and migration of smooth muscle cells.	NM_004067	3	2
COL8A1: alpha 1 type VIII collagen precursor. Major component of the basement membrane of the corneal endothelium.NM_00185022CRY1: cryptochrome 1 (photolyase-like).NM_00407532CRYGD: crystallin, gamma D.NM_00689122CSH1: chorionic somatomammotropin hormone 1 (placental actogen)NM_00131742CSRP2: cyteine and glycine-rich protein 2. May be involved in regulatory processes important for development and cellular differentiation.NM_00132122CUL4B: cullin 4B.NM_00358832DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA.NM_00440332	Chromosome 2 genomic contig. Near here is SRY-box 11 (SRY-box is gene SOX4)		4	2
CRY1: cryptochrome 1 (photolyase-like).NM_00407532CRYGD: crystallin, gamma D.NM_00689122CSH1: chorionic somatomammotropin hormone 1 (placental actogen)NM_00131742CSRP2: cyteine and glycine-rich protein 2. May be involved in regulatory processes important for development and cellular differentiation.NM_00132122CUL4B: cullin 4B.NM_00358832DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA.NM_00440332	CLNS1A: chloride channel, nucleotide-sensitive, 1A	NM_001293	3	2
CRYGD: crystallin, gamma D.       NM_006891       2       2         CSH1: chorionic somatomammotropin hormone 1 (placental actogen)       NM_001317       4       2         CSRP2: cyteine and glycine-rich protein 2. May be involved in regulatory processes important for development and cellular differentiation.       NM_001321       2       2         CUL4B: cullin 4B.       NM_003588       3       2         DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA.       NM_004403       3       2	COL8A1: alpha 1 type VIII collagen precursor. Major component of the basement membrane of the corneal endothelium.	NM_001850	2	2
CSH1: chronoic somatomammotropin hormone 1 (placental actogen)       NM_001317       4       2         CSRP2: cyteine and glycine-rich protein 2. May be involved in regulatory processes important for development and cellular differentiation.       NM_001321       2       2         CUL4B: cullin 4B.       NM_003588       3       2         DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA.       NM_004403       3       2	CRY1: cryptochrome 1 (photolyase-like).	NM_004075	3	2
CSH1: chorionic somatomammotropin hormone 1 (placental actogen)       NM_001317       4       2         CSRP2: cyteine and glycine-rich protein 2. May be involved in regulatory processes important for development and cellular differentiation.       NM_001321       2       2         CUL4B: cullin 4B.       NM_003588       3       2         DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA.       NM_004403       3       2		NM_006891	2	2
CSRP2: cyteine and glycine-rich protein 2. May be involved in regulatory processes important for development and cellular differentiation.       NM_001321       2       2         CUL4B: cullin 4B.       NM_003588       3       2         DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA.       NM_004403       3       2		NM_001317	4	2
DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA. NM_004403 3 2		_	2	2
DFNA5: Homo sapiens deafness, autosomal dominant 5, mRNA. NM_004403 3 2		—	3	2
NM_001363 3 2		NM_004403		
	DRUT: dyskenn. Involved in various aspects of rkinA processing and modification.	NM_001363	3	2

Gene and Function	EntrezGene ID	#Clones	#Sort
DMXL2: Dmx-like 2	NM_015263.2	2	2
EBAG9: estrogen receptor binding site associated. Estrogen-responsive gene.	NM_198120	3	2
EEF1D: eukaryotic translation elongation factor 1 delta. Responsible for enzymatic delivery of aminoacyl tRNAs to the ribosome.	NM_032378	3	2
EGFR: epidermal growth factor receptor isoform d. This protein is a receptor for members of the epidermal growth factor family.	NM_005228	3	2
EHMT2: HLA-B associated transcript 8 isoform a. Thought to be involved in intracellular protein-protein interaction.	NM_006709	2	2
ELAVL2: ELAV embryonic lethal, abnormal vision.	NM_004432	2	2
EP300: E1A binding protein p300. Functions as histone acetyltransferase and regulates transcription via chromatin remodeling.	NM_001429	2	2
F2RL1: H. sapiens coagulation factor II (thrombin) receptor-like 1	NM_005242.3	2	2
F7: coagulation factor VII isoform b precursor. Vitamin K-dependent factor essential for hemostasis.	NM_001034806	2	2
FABP4: fatty acid binding protein 4, adipocyte	NM_001442	3	2
FBXO22: F-box only protein 22 isoform a.	NM_147188	2	2
FGF20: fibroblast growth factor 20. Posesses broad mitogenic and cell survival activities.	NM_019851	2	2
FGF7: fibroblast growth factor 7 precursor. Growth factor active on keratinocytes.	NM_002009	3	2
FLG: filaggrin. Profilaggrin is a major protein component of the keratohyalin granules of mammalian epidermis.	NM_002016	2	2
FLRT3: fibronectin leucine rich transmembrane protein 3. Function in cell adhesion and/or receptor signaling.	NM_013281	3	2
FXN: frataxin isoform 1 preproprotein. Regulates mitochondrial iron transport and respiration.	NM_000144	6	2
GAD2: glutamate decarboxylase 2. Catalyzes the production of gamma-aminobutyric acid from L-glutamic acid.	NM_000818	3	2
GAS7: growth-arrest-specific 7 isoform b. Expressed primarily in brain cells. Plays a role in neural development.	NM_003644	4	2
GFAP: glial fibrillary acidic protein. One of the major intermediate filament proteins of mature astrocytes.	NM_002055	2	2
GGH: Homo sapiens gamma-glutamyl hydrolase (conjugase, folylpolygammaglutamyl hydrolase), mRNA.	NM_003878	2	2
GHITM: growth hormone inducible transmembrane protein.	NM_014394	2	2
GPX3: Homo sapiens glutathione peroxidase 3 (plasma), mRNA.	NM_002084	2	2
GRHPR: glyoxylate reductase/hydroxypyruvate reductase. Role in metabolism.		2	2
<b>GRM1:</b> glutamate receptor, metabotropic 1. G protein-coupled receptors, inbolbed in most aspects of normal brain function.		3	2
HIVEP1: human immunodeficiency virus type I enhancer. Bind specific DNA sequences in the promoters.		3	2
HLA-DRB1/DRB4: MHC class II HLA-DR beta 1 or 4 chain.	NM_002124	2	2
HNRPA3: heterogeneous nuclear ribonucleoprotein A3	NM_194247	2	2
Homo sapiens hypothetical protein FLJ22670	NM_025144	2	2
Homo sapiens OKSW-cl.89 mRNA, complete cds.		2	2
HSD3B2: hydroxy-delta-5-steroid dehydrogenase, 3 beta. Crucial in biosynthesis of all classes of hormonal steroids.	NM_000198	2	2
HTATIP2: oxidoreductase (HIV-1 TAT-interactive protein 2)	NM_001098521	2	2
Hypothetical protein LOC100132444		4	2
IFNB1: inerferon, beta 1, fibroblast.	NM_002176	2	2
ITGA6/ITGA5: integrin alpha chain 5 or 6.	NM_000210	2	2
<b>KATNB1:</b> katanin p80 (WD repeat containing) subunit B 1.	 NM_005886	3	2
<b>KCND2</b> : potassium voltage-gated channel, Shal-related. Prominent in the repolarization phase of the action potential.		4	2
LCP2: lymphocyte cytosolic protein 2.	 NM_005565	3	2
<b>LEPR:</b> leptin receptor isoform 1. Regulates adipose-tissue mass through hypothalamic effects on satiety and energy expenditure.	NM_002303	5	2
LGI1: leucine-rich, glioma inactivated 1.	NM_005097	2	2
LHCGR: Homo sapiens luteinizing hormonechoriogonadotropin receptor, mRNA.	NM_000233	6	2

Gene and Function	EntrezGene ID	#Clones	#Sorts
LRBA: LPS-responsive vesicle trafficking.	NM_006726	3	2
LRRFIP2: leucine rich repeat (in FLII) interacting. May function as activator of the canonical Wnt signaling pathway, in associate with DVL3.	NM_006309	3	2
M6PRBP1: mannose 6 phosphate receptor binding protein 1.	NM_005817	2	2
MAP4K4: mitogen-activated protein kinase kinase kinase. Shown to specifically activate MAPK8/JNK.	NM_004834	4	2
MBNL1/MBNL3: muscleblind-like 1 or 3	NM_021038,	2	2
MCL1: myeloid cell leukemia sequence 1 isoform 2. This gene encodes an anti-apoptotic protein, which is a member of the Bcl-2 family.	NM_018388	2	2
MED12: mediator of RNA polymerase II transcription.	NM_021960	4	2
METTL9: methyltransferase like 9 isoform 2	NM_005120	2	2
MPZL1: Homo sapiens myelin protein zero-like protein MPZL1a mRNA, complete cds.	NM_016025	2	2
MTDH: LYRIC/3D3 (Lysine-rich CEACAM1 co-isolated protein). Metastasis adhesion protein. Potential mediator of lung metastasis.	NM_024569	2	2
MTF2: metal response element binding transcription; Putative DNA binding protein	NM_178812	4	2
MYBPC1: myosin binding protein C, slow type, isoform 4	NM_007358	2	2
NAG: neuroblastoma-amplified protein	NM_002465	2	2
NAP1L2: nucleosome assembly protein 1-like 2. Interacted with chromatin to regulate neuronal cell proliferation.	NM_015909	2	2
<b>NBEA:</b> neurobeachin. Binds to type II regulatory subunits of protein kinase A and anchors/targets them to the membrane	NM_021963.2	3	2
<b>NCBP1:</b> nuclear cap binding protein subunit 1. Promotes high-affinity mRNA-cap binding and associates with the CTD of RNA polymerase II.	NM_015678	3	2
<b>NDUFA9:</b> NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9	NM_002486	3	2
<b>NFE2L1:</b> nuclear factor (erythroid-derived 2)-like 1. Involved in globin gene expression in erythrocytes.	NM_005002	5	2
<b>NMT2:</b> N-myristoylransferase 2. catalyzes the reaction of N-terminal myristoylation of many signaling proteins.	NM_003204	2	2
<b>NRP1:</b> neuropilin 1. Plays versatile roles in angiogenesis, axon guidance, cell survival, migration, and invasion.	NM_004808	2	2
<b>NUFIP1:</b> nuclear fragile X mental retardation protein. Binds RNA	NM_003873	2	2
PARVA: parvin, alpha. Actin-binding proteins associated with focal contacts.	NM_012345	3	2
<b>PCDHA1:</b> protocadherin alpha 1 isoform 1 precursor. Critical role in establishment and function of specific cell-cell connections in the brain.	NM_018222	3	2
PCOLCE2: procollagen C-endopeptidase enhancer 2	NM_018900	3	2
	NM_013363	3	2
PDCL: phosducin-like. Putative modulator of heterotrimeric G proteins.	NM_005388	2	2
PDGFRA: platelet-derived growth factor receptor, alpha polypeptide.	NM_006206	4	
PDHX: pyruvate dehydrogenase complex, component X.	NM_003477	3	2
PDK4: pyruvate dehydrogenase kianse 4. Contributes to the regulation of glucose metabolism.	NM_002612	3	2
<b>PEX1:</b> peroxin 1. Encodes a member of the AAA ATPase family. This protein is cytoplasmic but often anchored to a peroxisomal membrane.	NM_000466	4	2
PEX11A: peroxisomal biogenesis factor 11A	NM_003847.1	4	2
PFAAP5: phosphonoformate immuno-associated protein 5.	NM_014887	2	2
PGGT1B: protein geranylgeranyltransferase type I, beta subunit.	NM_005023		2
PICALM: phosphatidylinositol-binding clathrin assembly.	NM_007166	2	2
PLCB2: phospholipase C, beta 2.	NM_004573	2	2
PLS1: plastin 1. family of actin-binding proteins. AKA Fimbrin,	NM_002670	2	2
PLXNC1: plexin C1. Receptor for vaccinia virus sempaphorin A39R and herpesvirus Sema protein.		2	2
POLQ: polymerase (DNA directed), theta		2	2
POU4F2: Brn3b POU domain transcription factor. Observed to play impt. Roles in control of cell identity in several systems.	NM_004575	2	2
PRF1: perforin 1 precursor. Key effector molecule for T-cell and natural killer-cell-mediated cytolysis.	NM 005041	2	2
PTBP2: polypyrimidine tract binding proten 2.	NM_021190	3	2

Gene and Function	EntrezGene ID	# Clones	#Sorts
PTPRA: protein tyrosine phosphatase (PTP), receptor type, A. This PTP dephosphorylates and activates Src family tyrosine kinases.	NM_002836.3	2	2
PUM2: pumilio (Drosophila) homolog 2	NM_015317	2	2
RAB11FIP3/ RAB11FIP2: rab11-family interacting protein 2 or 3. Acts as a regulator of endocytic traffic by participating in membrane delivery.	NM_014700	2	2
RAPGEF2: Rap guanine nucleotide exchange factor 2.	NM_014247	2	2
RARRES1: retinoic acid receptor responder (tazarotene). Upregulated by tazarotene and retinoic acid receptors.	NM_002888.2	2	2
RCC1: Homo sapiens chromosome condensation 1-like, mRNA.	NM_001268.2	3	2
SYT1: synaptotagmin I. May serve as Ca(2+) sensors in the process of vesicular trafficking and exocytosis.	NM_005639	2	2
RFC5: Homo sapiens, replication factor C (activator 1) 5 (36.5kD), clone MGC:1155, mRNA, complete cds.	NM_007370	2	2
RGS10: regulator of G-protein signaling 10. Act as GTPase activating proteins for G alpha subunits of heterotrimeric G proteins.	NM_002925	2	2
RPL31: RPL31 protein. This protein bleongs to the L31E family of ribosomal proteins, located in the cytoplasm.	NM_001098577	2	2
RYBP: YEAF1 mRNA for YY1 and E4TF1 associated factor 1	NM_012234	3	2
SCAMP1: secretory carrier membrane protein 1. Carriers to the cell surface in post-golgi recycling pathways.		4	2
SCN3B: sodium channel, voltage-gated, type III, beta		2	2
SCN4A: voltage-gated sodium channel type 4 alpha. Responsible for the generation and propagation of action potentials in neurons and muscle.	 NM_000334	3	2
SEC24D: Sec24-related protein D. Involved in vesicle trafficking.		2	2
SEC63: SEC63 homolog (S. cerevisiae). Central component of the protein translocation apparatus of the ER membrane.		4	2
SFRP1: secreted frizzled-related protein 1. Soluble modulator of Wnt signaling.		2	2
SFRS5: splicing factor, arginine/serine rich 5. Plays a role in constitutive splicing and can modulate the selection of alternative splice sites.		2	2
SH3BP5: SH3-domain binding protein 5 (BTK-associated)		2	2
SHC4: rai-like protein / EID1: CREBBP/EP300 inhibitor 1.	NM_203349	2	2
SIRT4: sirtuin 4. unknown function	NM_012240	2	2
SLC19A3: solute carrier family 19, member 3. Part of reduced folate family of micronutrient transporter genes.	NM_025243	2	2
SLC26A4: pendrin. Sodium-independent transporter of chloride and iodide.	NM_000441	2	2
SSX3: synovial sarcoma, X breakpoint 3 isoform a. May function as transcriptional repressors.	NM_021014	3	2
STRN3: nuclear autoantigen. Binds calmodulin in a calcium dependent manner. May function as scaffolding or signaling protein.	NM_014574	4	2
STX3: syntaxin 3. Potentially involved in docking of synaptic vesicles at presynaptic active zones.	NM_004177	2	2
STXBP5L: syntaxin-binding protein 5-like (Tomosyn-2). May play a role in vesicle trafficking and exocytosis.	NM_014980	2	2
SULT1C2: sulfotransferase family, cytosolic, 1C, member 2. Catalyzes the sulfate conjugation of many drugs, hormones and neurotransmitters.	NM_001056.3	8	2
SYNC1: Syncoilin, intermediate filament 1	NM_030786	4	2
TAOK1: TAO kinase 1. Phosphorylates MKK3 (by similarity). Activates the p38 MAP kinase pathway.	NM_020791	9	2
TBL1X: transducin beta-like 1X. Plays an essential role in transcription activation mediated by nuclear receptors.	NM_005647	2	2
TBX4: T-box. Involved in the transcriptional regulation of genes required for mesoderm differentiation.	NM_018488	2	2
TFPI2: tissue factor pathway inhibitor 2.	NM_006528	2	2
TFRC: transferrin receptor	NM_003234	2	2
TGOLN2: trans-golgi network protein 2.		4	2
THRB: thyroid hormone receptor, beta (erythroblastic leukemia viral oncogene homolog 2, avian)		2	2
TIA1: TIA1 protein isoform 1. Member of RNA-binding protein family and possesses nucleolytic activity.		2	2
TLL2: tolloid-like 2. Member of metzincin family.	NM_012465	4	2
TM2D2: TM2 domain containing 2 isoform b. May have a regulatory roles in cell death or proliferation signal cascades. TNFRSF9: tumor necrosis factor receptor superfamily 9. The receptor contributes to the clonal expansion, survival, and development of T cells.	NM_031940	2	2
	NM_001561	2	2

Gene and Function	EntrezGene ID	#Clones	#Sorts
RIB3: tribbles 3, protein kinase domains containing protein similar to phosphoprotein C8FW (LOC57761), mRNA.	NM_021158	3	2
TRIM49: ring finger protein 18.	NM_020358	4	2
TRPA1: transient receptor potential cation channel, ankyrin-like protein 1. May function in signal transduction and growth control.	NM_007332	3	2
TUBB1/TUBB2C/TUBB6: Tubulin, beta, class VI (1)/beta 2 (2C)/beta 6 (6)	NM_030773	8	2
UBLCP1: ubiquitin-like domain containing CTD phosphatase.	NM_145049	2	2
UBXD2: integral membrane protein of the ER that binds valosin-containing protein and promotes ER-associated protein degradation.	NM_014607	2	2
UGT2B17: Human UDP glucuronosyltransferase mRNA, partial cds.	NM_001077	4	2
WIF1: WNT inhibitory factor 1 precursor. Binds WNT proteins and inhibits their activities (control of embryonic development).	NM_007191	2	2
ZNF263: zinc finger protein 263	NM_005741	2	2
ZNF639: zinc finger protein 639	NM_016331	2	2
ABHD2: alpha/beta hydrolase domain containing protein. Function unknown.	NM 152924	- 1	1
ADD2: H. sapiens adducin 2 (beta), transcript variant beta-4, mRNA.		2	1
ATP6V1D: H+ transporting two-sector ATPase.mediates acidification of intracellular organelles		2	1
BAG4: BCL2-associated athanogene 4. Inhibits the chaperone activity of HSP70/HSC70 by promoting substrate release.		2	1
CACNA1S: calcium channel, voltage-dependent, L type. Slowly activating, skeletal muscle.		2	1
CSNK1G2: casein kinase 1, gamma 2		2	1
CYP1B1: cytochrome P450, family 1. Cytochromes P450 are a group of heme-thiolate monooxygenases.		2	1
CYP3A43: cytochrome P450, family 3, subfamily A, polypeptide 43.		2	1
DDX18: DEAD (Asp-Glu-Ala-Asp) box polypeptide 18.	NM_006773	2	1
DMXL1: Dmx-like 1. Unknown function.	NM_005509	3	1
DUSP1: dual specificity phosphatase 1. Expression is induced in human skin fibroblasts by oxidative/heat stress and growth factors.	NM_004417	2	1
EIF4G2: eukaryotic translation initiation factor 4 gamma, 2	NM_002759	2	1
EMP1: epithelial membrane protein 1.	NM_001423	2	1
GABRA2: gamma-aminobutyric acid A receptor, alpha 2.	NM_000807.2	2	1
GALNT2: polypeptide N-acetylgalactosaminyltransferase 2.	NM_004481	1	1
GNG13: guanine nucleotide binding protein (G protein). Involved as a modulator or transucer in various transmembrane signaling systems.	NM_016541	3	1
GSTM2: Homo sapiens glutathione S-transferase M2 (muscle), mRNA.	NM_000848	2	1
HIST1HID: histone cluster 1, hld	NM_005320	2	1
HNRPK: heterogeneous nuclear ribonucleoprotein K. pre-mRNA processing. Cell cycle progression	NM_031262		1
IDH1: Homo sapiens isocitrate dehydrogenase 1 (NADP+), soluble, mRNA.	NM_005896	2	1
KIF4A: kinesin family member 4. Involved in many crucial cellular processes, including cell division.	NM_012310	2	1
OR511: olfactor receptor, family 5, subfamily I. Initiate a neuronal response that triggers the perception of smell.	NM_006637	3	1
OTUD4: OTU domain containing 4 protein isoform 2.	NM 017493	3	1
PEX12: peroxisomal biogenesis factor 12. Required for protein import into peroxisomes.	NM_000286	2	1
<b>PPP2R1B:</b> beta isoform of regualtory subunit A, protein phosphatase 2. Implicated in the negative control of cell growth and division.	NM_002716	2	1
PTPRF/PPFIA1: The protein encoded by this gene is a member of the LAR protein-tyrosine phosphatase-interacting protein (liprin) family	_	2	1
<b>RAB31:</b> RAB31, member RAS oncogene family.	NM_002840	3	
<b>REL:</b> v-rel reticuloendotheliosis viral oncogene, a transcription factor that is a member of the <b>Rel</b> /NFKB family,	NM_006868	2	1
<b>RFC4:</b> Homo sapiens replication factor C (activator 1) 4 (37kD), mRNA.	NM_002908	2	1
SCARB1: scavenger receptor class B, member 1 isoform 1.	NM_002916	2	1
	NM_005505	2	1

Gene and Function	EntrezGene ID	#Clones	#Sorts
SIRT1: sirtuin 1. Functions in humans unknown, in yeast they regulate epigenetic gene silencing and suppress recombination of rDNA.	NM_012238	3	1
SLC2A6: solute carrier family 2 (facilitated glucose transporter), member 6.	NM_017585	2	1
TNFRSF6B: tumor necrosis factor receptor superfamily, member 6b. Plays a regulatory role in suppressing FasL- and LIGHT-mediated cell death.	NM_032945	5	1
UBE2E3: ubiquitin-conjugating enzyme E2E 3. Involved in targeting abnormal or short-lived proteins for degradation.	NM_006357	3	1
UPK1A: uroplakin 1A; Mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility.	NM_007000	3	1