

Head to Head (5' to 5')	One of the strand started from the intron of another strand	Overlapping regions are not located at 5' or 3' of either strands	One transcript is contained within the other	Tail to Tail (3' to 3')	One of the strand ended in the intron of another strand
Cell cycle-related/cytokinesis cyclin L1 (NM_019937, 9030013E13) nibrin (NM_013752, D430042D16) Cdk5 and Abl enzyme substrate (NM_022021, B430104H09) cyclin M2 (NM_033569, K230049K13) 5-azacytidine induced gene 2 (chromosome bartitionino) (NM_013727, 2900003F04)	cyclin-dependent kinase-like 2 (NM_016912, B230381E03) CYCLIN ANIA-6B (1810019L15, 1700010A01) cell division cycle 25 homolog B (NM_023117, B930008C19) cyclin-dependent kinase 6 (NM_009873, G130205D04) protein regulator of cytokinesis 1 (NM_145150, B930093B02) geminin (NM_020567, 1700000E09) cyclin D2 (5330440009, 9330179D12) CDC42 effector protein (NM_026514, A530096P14) peripheral myelin protein (NM_008885, 9430081I02)	cyclin-dependent kinase 6 (NM_009873, G130205D04) cyclin T1 (NM_009833, B630007K22) cyclin E2 (NM_009830, C430018J16) importin 9 (chromosome aggregation) (9830163B10, 0710008K06)	cyclin H (NM_023243, A930002L21) G1 to phase transition 1 (NM_146066, 4732480M16) sarcospan (NM_010656, D330020C16) cyclin A2 (NM_009828, NM_019393) tyrosine 3-monoxygenase/tryptophan 5-monoxygenase (NM_011740, A730082O16) CELL DIVISION CYCLE PROTEIN 23 homolog (C130019C17, NM_009004) cyclin M1 (NM_031396, E330038A06)	cyclin-dependent kinase 4 (2610203O19, NM_025982) programmed cell death 4 (NM_011050, 2610036G18) (DNA topoisomerase) dedicator of cyto-kinesis 2 (5832415J16, 4930403D09) growth arrest specific 2 (NM_008087, C630041A08) RAD9 homolog (NM_011237, NM_031868)	cyclin I (NM_017367, A130093K12) similar to Protein CDC27Hs (Cell division cycle) (NM_145436, I830036C16) sestrin 2 (NM_144907, D330018I10) menage a trois 1 (NM_008612, 6430403M21)
Protein transport/intracellular protein transport/holci apparatus/vesicle-related vacuolar protein sorting 45 (NM_013841, A930007E04) similar to TRANSPORT-SECRETION PROTEIN 2.1 (NM_025802, 4930537F08Z) golgi associated, gamma adaptin ear containing (NM_145929, 4930406E12) muted (NM_139063, F930115B17) sorting nexin 4 (NM_080557, 1110033B07)	vacuolar protein sorting 28 (NM_025842, B230345O05) vesicle-associated membrane protein 3 (NM_009498, B230364D17) adaptor-related protein complex AP-4, mu 1 (NM_021392, 4922505B22) EH-domain containing 3 (NM_020578, F830017G11)	sorting nexin 16 (NM_029068, 5430403G19) COATOMER ALPHA SUBUNIT (A730099C22, I830038A03)	vacuolar protein sorting 29 (NM_019780, 7420404L07) adaptor protein complex AP-2, alpha 2 (NM_007459, 4932434L04) SEC14-like protein 1 homolog (NM_028777, G630073B13) pallidin (NM_147153, F830103N23) karyopherin (importin) beta 2b (NM_145390, A230103J11) seminal vesicle protein, secretion 7 (NM_020264, G730034J08) folate receptor 2 (NM_008035, A230026I24)	adaptor protein complex AP-1, gamma 2 (NM_007455, D430048O16) SEC23B (NM_019787, G530009H18) SEC61, alpha subunit 2 (5730536E22, 2600001M11) phosphatidylinositol binding clathrin assembly protein (NM_146194, G270120O18) cAMP inducible gene 1 (NM_023044, NM_133804)	exportin 4 (NM_020506, F830218P18) coatomer protein complex, subunit gamma 2 (NM_017478, E030007N13) peroxin 2 (NM_021483, C820001I01) adaptor-related protein complex AP-4, mu 1 (NM_021392, NM_009315) ADAPTER PROTEIN ATH-55 homolog (2310057J16, 6030448F03)
Cell death, apoptosis/anti-apoptosis defender against cell death 1 (NM_010015, 1700051A11) TGF-BETA INDUCED APOPTOSIS PROTEIN 2 homolog (A230102I24, 9330176I15) wild-type p53-induced gene 1 (NM_009517, 4930429B21) Tnf receptor-associated factor 5 (NM_011633, 4931429D24) TNF-INDUCED PROTEIN GG2-1 homolog (NM_134131, C030005K06)	apoptotic chromatin condensation inducer in the nucleus (NM_023190, NM_021437) apoptosis-associated speck-like protein containing a CARD (NM_023258, D030032J06) Bcl-associated death promoter (NM_007522, E530017B08) SPERMATOGENESIS RELATED GENE 2 homolog (NM_133711, 5330439A09)		CASP2 and RIPK1 domain containing adaptor with death domain (NM_009950, E330036K19) caspase recruitment domain family, member 14 (NM_130886, 9330164L14) apoptotic chromatin condensation inducer in the nucleus (NM_023190, 4930579G18) TGF-BETA INDUCED APOPTOSIS PROTEIN 2 homolog (C230077C14, 9330178I03) Bcl-associated death promoter (NM_007522, 4833429M11)	apoptosis inhibitor 5 (NM_007466, G270145E17) apoptosis repressor with CARD domain (E130314L04, 9330190M15)	peroxiredoxin 2 (anti-apoptosis) (NM_011563, A930003K15) BCL2-antagonist/killer 1 (NM_007523, 0610031G08) BCL2-associated athanogene 4 (apoptosis) (NM_026121, G630030A02) apoptotic protease activating factor 1 (NM_009684, G270089A22) phosphoprotein enriched in astrocytes 15 (apoptosis regulator) (NM_008556, 6330504M03) programmed cell death 2 (NM_008799, A230027F19)
Ubiquitination, ubiquitin-ligase activity, ubiquitin-dependent protein catabolism low molecular mass ubiquinone-binding protein (NM_025352, 6430585D11) ubiquitin-conjugating enzyme E21 (NM_011665, F430005D05) F-box only protein 8 (NM_015791, E430007J01) ubiquitination factor E4B, UFD2 homolog (NM_022022, 9330112G02)	ubiquitin carboxy-terminal hydrolase L1 (2900059O22, 6430596G22) UBIQUINOL-CYTOCHROME C REDUCTASE IRON-SULFUR SUBUNIT, MITOCHONDRIAL PRECURSOR (NM_025710, G630040K20) ubiquitin specific protease 15 (NM_027604, B930054008) ubiquinol-cytochrome c reductase binding protein (NM_026219, B020047E20) F-box only protein 32 (NM_026346, A730001G24) F-box only protein 3 (NM_020593, 4930420A19)	UBX domain-containing 2 (NM_024432, 4121404L19, A930028C08)	ubiquitin protein ligase E3A (NM_011668, B230364J21, A330053D07) ubiquitin-conjugating enzyme E2C (NM_026785, 4930440E06) Vhlh-interacting deubiquitinating enzyme 1 (NM_133247, D430047M13, F830115L16) ubiquitination factor E4B, UFD2 homolog (NM_022022, 1700121F15) ubiquitin fusion degradation 1 like (NM_011672, 4930545H08) F-box protein FBX12 (7420402K12, F830038O09) F-box only protein 24 (4933422D21, 6330530D12) F-box and WD-40 domain protein 2 (NM_013890, B230323I15) F-box and leucine-rich repeat protein 8 (NM_015821, A330021E08) NICE-4 PROTEIN (ubiquitin associated domain) (4932431F02, 4930556B08) similar to F-BOX PROTEIN FBX29 (9330195J16, 4930438M06)	UBIQUITIN CARRIER PROTEIN homolog (6720465F12, 2810473M21) HRD1 protein (ubiquitin ligase complex, ER) (NM_028769, NM_026246) similar to F-BOX PROTEIN FBX12 (E330001M05, 9330185H22)	ubiquinol cytochrome c reductase core protein 2 (NM_025899, 4933432E16) fused toes (NM_010241, I420044H21) MOP-4 homolog (ubiquitin cycl) (C530001N05, A630012C22) sequestosome 1 (ubiquitin bind) (NM_011018, 2810006G04) Vhlh-interacting deubiquitinating enzyme 1 (NM_133247, A630093H23) NADH dehydrogenase (ubiquinone) Fe-S protein 1 (NM_145518, 5830412M15) STIP1 homology and U-Box containing protein 1 (NM_019719, NM_028101) ligand of numb-protein X 1 (NM_010727, C530024M13)
Growth, development/neurogenesis/embryogenesis frizzled homolog 5 (NM_022721, 9330112L18) angiopoietin (NM_009640, 5730408B21)	delta-like 4 (NM_019454, A430035J22) delta-like 1 (NM_007865, A930024N18)	bone morphogenetic protein 5 (NM_007555, 9330158F20) distal-less homeobox 4 (NM_007867, A730090H04)	angiopoietin-like 3 (A530014E19, C230082D04) reelin (NM_011261, 4930599F03)	Notch gene homolog 1 (NM_008714, 0610009E02) Bmp2-inducible kinase (NM_080708, 5330440B03)	desert hedgehog (NM_007857, 5830455I15) distal-less homeobox 1 (NM_010053, 4022427L05)

<p>sprouty homolog 1 (NM_011896, 6330594M07)</p> <p>epiregulin (NM_007950, 2210040K03)</p> <p>hairly and enhancer of split 5 (NM_010419, 6330559K07, A930018004)</p> <p>seven in absentia 1A (NM_009172, 4930563D01)</p> <p>mab-21-like 1 (morphogenesis) (NM_010750, 9630018K02)</p> <p>low density lipoprotein receptor-related protein 4 (NM_016869, E030004N14)</p> <p>neurochondrin (NM_011986, 6430547I20)</p> <p>inhibitor of the Dvl and Axin complex (9330210J02, 9330164G18)</p> <p>N-myc downstream regulated 1 (mast cell maturation) (NM_010884, 4022440N23)</p> <p>embryonic ectoderm development (NM_021876, 4930565G20)</p> <p>latexin (NM_016753, 6530401A10)</p>	<p>bone morphogenetic protein 7 (NM_007557, C430017C20)</p> <p>sonic hedgehog (NM_009170, 9530025J18)</p> <p>retina anterior neural fold homeobox (NM_013833, 7530406A22)</p> <p>LEFT-RIGHT DETERMINATION FACTOR B PRECURSOR (2410142I20, A830084B03)</p> <p>neural precursor cell expressed, developmentally down-regulated gene 9 (NM_017464, A530051N09)</p> <p>cysteine rich protein 2 (heart differentiation) (NM_024223, F930026P19)</p> <p>netrin 3 (NM_010947, 5430411J08)</p> <p>suppression of tumorigenicity 14 (NM_011176, 4632422O15)</p> <p>alpha-2-HS-glycoprotein (regulate bone growth) (NM_013465, C730014P159)</p> <p>PHD finger protein 9 (NM_025923, 6820445E23)</p> <p>Ngg1 interacting factor 3-like 1 (NM_022988, NM_027351)</p> <p>fibroblast growth factor receptor 3 (NM_008010, G630022F23)</p> <p>opioid growth factor receptor (NM_031373, 4931412C13)</p> <p>interferon-related developmental regulator 1 (NM_013562, 4930584M23)</p> <p>COP9 (constitutive photomorphogenic) homolog (NM_011991, 9530009I20)</p> <p>cleft palate-related protein 1 (NM_145229, I920059I16)</p> <p>testis expressed gene 12 (NM_025687, F830221O05)</p> <p>TESTES DEVELOPMENT-RELATED NYD-SP17 (NM_027046, 4930542D17)</p> <p>engulfment and cell motility 1 (E130008O20, B930018B08)</p> <p>thymus LIM protein (NM_053250, A130007I22)</p>	<p>SEX-DETERMINATION PROTEIN HOMOLOG FEM1A (FEMINIZATION 1 A HOMOLOG (4931440F15, 1700014H11))</p>	<p>bone morphogenetic protein 8b (NM_007559, C130018J17)</p> <p>bone morphogenetic protein 2 (NM_007553, D230040L03)</p> <p>period homolog 3 (NM_011067, 7420409G12)</p> <p>odd Oz/ten-m homolog 3 (NM_011857, 5930421K07)</p> <p>transgene insert site 737, insertional mutation (NM_009376, 2310043D23)</p> <p>E74-like factor 3 (transcription factor) (NM_007921, 4932433E14)</p> <p>COP9 (constitutive photomorphogenic) homolog (NM_011991, G830001I12)</p> <p>Fanconi anemia, complementation group A (NM_016925, B930079L05)</p> <p>Fanconi anemia, complementation group C (DNA repair, development) (NM_007985, B930013P04)</p> <p>autocrine motility factor receptor (NM_011787, 4930578M22)</p> <p>CAPILLARY MORPHOGENESIS PROTEIN-1 homolog (4833426H15, F520011D01)</p> <p>sex comb on midleg homolog 1 (NM_013883, 5031407O16)</p> <p>fatso (NM_011936, 4632422L05)</p> <p>yippee-like 1 (NM_023249, E130002D13)</p> <p>deltex 3 homolog (NM_030714, D930030C11)</p> <p>deltex 1 homolog (NM_008052, A130009D17)</p> <p>fusion 1 (NM_019742, B130007O15)</p> <p>selective hybridizing clone (NM_011370, E030028J09, E330038L21)</p> <p>B-cell CLL/lymphoma 11A (NM_016707, 4930455A09)</p>	<p>thrombospondin 1 (NM_011580, F730004F21)</p> <p>upregulated during skeletal muscle growth 3 (NM_031400, 4833416I09)</p> <p>male enhanced antigen 1 (NM_010787, NM_009358)</p> <p>Cerebellum postnatal development associated protein 2 (A230044C21, D930002J15)</p> <p>bone morphogenetic protein 6 (4833446J05, D230014I09)</p> <p>secreted frizzled-related sequence protein 2 (NM_009144, 9430045E21)</p> <p>latent transforming growth factor beta binding protein 3 (NM_008520, NM_023912)</p> <p>RETICULON 4 (NEURITE OUTGROWTH INHIBITOR) NOGO prot (9430059L06, NM_146016)</p> <p>retinitis pigmentosa GTPase regulator interacting protein 1 (NM_023879, NM_033618)</p> <p>CORNEAL WOUND HEALING RELATED PROTEIN homolog (NM_030153, D030064E01)</p> <p>Ena-vasodilator stimulated phosphoprotein (neuronal positioning) (NM_007965, A430013G19)</p> <p>MITOFUSIN 1 homolog (mitochondrial fusion, tarantina) (C130010B02, 7120465D21)</p> <p>salvador homolog 1 (NM_022028, D130060H04)</p> <p>Growth and transformation dependent (NM_027342, C730037F06)</p> <p>catenin beta interacting protein 1 (NM_023465, 0610010J11)</p> <p>lymphoid-restricted membrane protein (NM_008511, 4930513G12)</p> <p>LIM only 6 (D030068I23, 2810425P20)</p>	<p>odd Oz/ten-m homolog 4 (NM_011858, 4922505H01)</p> <p>bicaudal C homolog 1 (NM_031397, 4930533K18)</p> <p>Fanconi anemia, complementation group A (NM_016925, NM_020497)</p> <p>peroxisome biogenesis factor 1 (5430414H02, 9130430G15)</p> <p>Bmp2-inducible kinase (NM_080708, 7120494H07)</p> <p>bone morphogenetic protein 5 (NM_007555, 9330158F20)</p> <p>FRL-1, cryptic family 1 (Cfc1) (NM_007685, 4930511E24)</p> <p>amyotrophic lateral sclerosis 2 (NM_028717, A630049G17)</p> <p>dapper homolog 1, antagonist of beta-catenin (NM_021532, 4921528D17)</p> <p>upregulated during skeletal muscle growth 1 (NM_031398, NM_146002)</p> <p>testis expressed gene 9 (NM_009359, C630023P15)</p> <p>leucine-rich repeat LGI family, member 1 (NM_020278, A230050B13)</p> <p>PROKINETICIN 1 PRECURSOR(angio genesis) (A930008G05, A630076J17)</p>
<p>Kinase/transferase activity (ATP Binding), phosphorylation)</p>					
<p>src-related kinase lacking C-terminal regulatory (NM_011481, 4932704N03)</p> <p>mitogen-activated protein kinase kinase kinase 6 (NM_016693, A530086O06)</p> <p>sphingosine kinase 1 (NM_025367, 4732430A16)</p> <p>choline kinase-like (NM_007692, C730034F03)</p> <p>protein kinase, interferon-inducible double stranded RNA dependent (NM_011163, D430006K04)</p> <p>PROTEIN KINASE C DELTA-BINDIG PROTEIN homolog (6330514M23, C230079H24)</p> <p>calcium/calmodulin-dependent protein kinase IV (4933424007, Z310026I22)</p>	<p>kinase interacting with leukemia-associated gene (NM_010633, 4930500M09)</p> <p>NIMA (never in mitosis gene a)-related kinase 2 (NM_010892, G830028C15)</p> <p>serine/threonine kinase 25 (NM_021537, 1700092A22)</p> <p>casein kinase II, alpha 1 related sequence 4 (NM_007788, G830003D14)</p> <p>integrin linked kinase (NM_010562, F630021J24)</p> <p>mitogen-activated protein kinase 8 interacting protein (NM_013931, 1700009P10)</p> <p>non-catalytic region of tyrosine kinase adaptor (NM_010878, 6330586M15)</p> <p>tribbles homolog 1 (NM_144549, E130213N17)</p> <p>FANG1 homolog (pantothenate kinase 4) (D030031I12, I730001J17)</p> <p>in non-metastatic cells 2, protein (NM_008705, 7530415I05)</p> <p>sudD, suppressor of bimD6 homolog (RIO kinase 3) (NM_024182, E130306C24)</p> <p>protein kinase C, zeta (C630033J17, B230323P10)</p> <p>downstream of tyrosine kinase 2 (NM_010071, F630201L12)</p> <p>Eph receptor A1 (NM_023580, 6030426E20)</p>	<p>NDR PROTEIN KINASE (SIMILAR TO SERINE THREONINE PROTEIN KINASE (D330021I07, 4930473A22))</p>	<p>PFTAIRE protein kinase 1 (NM_011074, F830029C08)</p> <p>Janus kinase 1 (NM_146145, 4831433J01)</p> <p>protein kinase C, delta (NM_008860, 4932432I09)</p> <p>integrin linked kinase (NM_010562, B930022J16)</p> <p>casein kinase 1, epsilon (NM_013767, 9530058P14)</p> <p>creatine kinase (NM_007710, A930016O22)</p> <p>polo-like kinase homolog (NM_011121, A230074C22)</p> <p>syntrophin associated serine/threonine kinase (NM_019945, 9130026D18)</p> <p>kinase suppressor of ras (NM_013571, E430031K18)</p> <p>diacylglycerol KINASE, ZETA (E130307B02, E430027P10)</p> <p>diacylglycerol kinase, gamma (NM_138650, G830032K17)</p> <p>Rho-associated coiled-coil forming kinase 1 (NM_009071, A330069H18)</p> <p>similar to activin-like receptor kinase-7 (C230097P10, G730013P09)</p> <p>PHOSPHATIDYLINOSITOL 4-KINASE, CATALYTIC, BETA POLYPEPTIDE (E130114L22, D030005C14)</p> <p>A kinase anchor protein 2 (4932411M01, A630046I20)</p> <p>glycogen synthase kinase 3 (2700086H06, 9130221H12)</p>	<p>non-metastatic cells 7 (NM_138314, 1500005L15)</p> <p>mitogen activated protein kinase 12 (NM_009582, 5031415E16)</p> <p>mitogen-activated protein kinase 7 (NM_011841, 1110053C02)</p> <p>Janus kinase 3 (NM_010589, G430024E09)</p> <p>downstream of tyrosine kinase 4 (NM_053246, 1500026O07)</p> <p>serine/threonine kinase 11 (NM_011492, 9430034L21)</p> <p>mitogen activated protein kinase 12 (NM_009582, 5031415E16)</p> <p>calcium/calmodulin-dependent protein kinase I (NM_011841, 1110053C02)</p> <p>mitogen-activated protein kinase 7 (NM_011841, 1110053C02)</p> <p>SCY1-like 1 (NM_023912, NM_008520)</p> <p>TOUSLED-LIKE KINASE 1 (4930545J15, A930033M19)</p> <p>5 phosphatase kinase, gamma 2 (1500017I02, B230307J03)</p> <p>expressed in non-metastatic cells 1, protein (NM23A) (nucleoside diphosphate kinase (9430059B17, 7530415I05)</p>	<p>bromodomain containing 3 (NM_023336, D330016E18)</p> <p>mitogen activated protein kinase 8 interacting protein (NM_011162, 1700021K07)</p> <p>mitogen activated protein kinase binding protein 1 (NM_011941, 4933412K16)</p> <p>neighbor of A-kinase anchoring protein 95 (NM_017476, 2610301A12)</p> <p>protein kinase, AMP-activated, gamma (NM_016781, B130046B21)</p> <p>serine/threonine kinase 24 (NM_145465, A730098K12)</p> <p>mitogen-activated protein kinase (NM_024275, 4930472D12)</p> <p>homeodomain interacting protein kinase 2 (NM_010433, 6030408G03)</p> <p>mitogen activated protein kinase binding protein 1 (NM_011941, 4933412K16)</p> <p>phosphorylase kinase gamma (NM_011079, A230060M13)</p> <p>PROTEIN KINASE C-RELATED KINASE 2 (D030006F11, 9530097A07)</p> <p>INOSITOL 1, 4, 5-TRISPHOSPHATE 3-KINASE (9130023N17, 9330179P21, D930049I05)</p> <p>testis-specific kinase 2 (NM_146151, NM_026654)</p> <p>protein kinase inhibitor, gamma (NM_011106, A630017J09)</p> <p>testis specific protein kinase 1 (NM_011571, I830025A12)</p>

			protein kinase C, delta (NM_011103, 4933436D11) similar to protein kinase NYD-SP5 (4921504K03, A330008G14) homeodomain interacting protein kinase 1 (NM_010432, 4930557G23) homeodomain interacting protein kinase 2 (NM_010433, 4930502C15) mitogen-activated protein kinase (NM_024275, 4931403G20) PHOSPHATIDYLINOSITOL 4-KINASE, CATALYTIC, BETA POLYPEPTIDE (E130114L22, D030005C14) tousled-like kinase 2 (NM_011903, NM_028539) activin receptor IIA (NM_007396, sorbin and SH3 domain containing 1 (stress fibers, kinase bind) (NM_009166, A930028N01)		
Ras family, Rho, GTPase activity, protein transporter, GTP binding, Rho, ST					
RAB34, member of RAS oncogene family (NM_033475, B230206A14) ras homolog gene family, member AB (NM_007483, E130206M23) RAP2B, member of RAS oncogene family (NM_028712, B430305J03) RAB6, member RAS oncogene family (NM_024287, 1810030E20) Ras and a-factor-converting enzyme 1 homolog (NM_023131, 9630020A13)	RAB11B, member RAS oncogene family (NM_008997, 5730424I07) RAB33B, member of RAS oncogene family (NM_016858, E130207I24) Ras-GTPase-activating protein (NM_011816, B930001O19) aplysia ras homolog gene family, member D (NM_007485, C230089O04) KAPPA B-RAS 2 (NM_028024, D630018G21)		RAN guanine nucleotide release factor (NM_021329, 9530097O21) RAN, member RAS oncogene family (NM_009391, 2810030G10) RAS p21 protein activator 2 (NM_053268, 9530084F20) Rap2 interacting protein (NM_016759, 1700086L13) Rap1 guanine-nucleotide-exchange factor directly activated by cAMP (NM_144850, CDC42 effector protein (NM_021454, 1700027J19) T-cell lymphoma invasion and metastasis 1 (NM_009384, 4930520G16)	RAB5A, member RAS oncogene family (NM_025887, 4921523A10) KAPPA B-RAS 2 (NM_028024, A930006D11) similar to RAB3-GAP REGULATORY DOMAIN (9930112K09, 6430402E09) RAS-related C3 botulinum substrate 1 (9430013G17, C130025A20)	Ras-GTPase-activating protein SH3-domain binding protein 2 (NM_011816, C130040M11) RAB10, member RAS oncogene family (NM_016676, 1700007N07) RAB3B, member RAS (C530023P17, 8030443G20) RAN binding protein 17 (NM_023146, 4831410D14) Rab6 interacting protein 2 (NM_053204, 4930404L01) RAB7, member RAS (NM_009005, 6230424B18) PUTATIVE RAB5-INTERACTING PROTEIN homolog (NM_026124, 5830437K10) RAD23a homolog (NM_009010, D230017D03) RAD52 homolog (NM_011236, A730041F24)
Protocadherins, cytoskeleton/structural molecule activity/microtubule					
dynein, cytoplasmic, heavy chain 1 (NM_030238, 9930018I23) dynactin 4 (NM_026302, F630102I09) formin 2 (NM_019445, 5730420021) formin binding protein 4 (NM_018828, 1700081J07) erythrocyte protein band 4.9 (NM_013514, C130048D04) DYNAMIN 3 (C530045C17, 4930539E22) hook homolog 1 (NM_030014, 9530080P11) neurofilament 3, medium (NM_008691, E130111D20) catenin alpha 1 (B230399P04, A930034M22) protocadherin 7 (NM_018764, A930022K23) protocadherin beta 12 (NM_053137, 4930526J02) protocadherin gamma subfamily A (NM_033591, A730072C23) protocadherin gamma subfamily C (NM_033581, D330042F05)	protocadherin alpha 3 (NM_138662, A830007O22) protocadherin gamma subfamily A, 10 (NM_033593, A730085L12) protocadherin 13 (NM_015757, 4932702A04) tubulin, alpha 3 (NM_009446, 5830407L18) erythrocyte protein band 4.9 (NM_013514, C130048D04) fascin homolog 3 (NM_019569, NM_028900) SH3 domain protein 4 (NM_011366, 6330534P04) profilin 1 (NM_011072, 1500038L17) internexin neuronal intermediate filament protein, alpha (NM_010563, 9330019J22) kinesin light chain 2 (NM_008451, 8030455F02) kinesin family member 4 (NM_008446, NM_028303) DYNEIN LIGHT INTERMEDIATE CHAIN 2 (C920003I06, K230015D01) t-complex-associated testis expressed 3 (NM_011560, 4930408F08) actin-like 7b (17000051E21, 1700066N11) elastin (NM_007925, B230220P09) ARP1 actin-related protein 1 homolog A (NM_016860, 1700094K15) calponin 3 (NM_028044, A430107D08) keratin complex 1, acidic, gene 12 (NM_010661, A830036E02) paralemm (NM_023128, B430206K05) nucleoporin 62 (kinesin complex) (NM_053074) pericentrin 2 (NM_008787, 4930406P12) procollagen, type V, alpha 1 (NM_015734, 9430085C21)	protocadherin 8 (NM_021543, 1700080P15) myosin 1H (NM_146163, I830050P13) myosin IF (NM_008660, G530135H11) actin, beta, cytoplasmic (NM_007393, D530001G04) erythrocyte protein band 4.2 (NM_013513, F830201D23)	protocadherin alpha 3 (NM_138662, A830007O22) protocadherin gamma subfamily A, 7 (NM_033590, A730072C23) protocadherin gamma subfamily A, 10 (NM_033593, A730085L12) protocadherin 13 (NM_015757, 4932702A04) cadherin FIB1 (C130033F22, 9330023E08) procollagen, type V, alpha 1 (NM_015734, F930048M12) microtubule-associated protein tau (NM_010838, 1810048O14) tubulin, alpha 8 (NM_017379, A630059M09) tubulin, alpha 3 (NM_009446, 5830407L18) TUBULIN BETA-5 CHAIN (NM_026473, A530059D09) kinesin family member 4 (NM_008446, F830225F22) kinesin family member 20A (NM_009004, C130019C17) kinesin family member 5C (NM_008449, A430099A21) kinesin family member 5B (NM_008448, 6030497E13) dystonin (NM_134448, A830042E19, A930005N03) myosin heavy chain (NM_010856, A830009F23) myosin-IXA homolog (C230003M11, A530051C24) myosin binding protein H (NM_016749, C630012M11) shroom (NM_015756, D930016B06) actinin alpha 4 (NM_021895, 6030495E01) cortactin (NM_007803, F830109B02) transgelin (NM_011526, 2210406K15)	tubulin, alpha 4 (NM_009447, 5330407I02) kinesin family member 3C (NM_008445, 9530058P10) actin-associated protein palladin (4831435K15, A230019E09) t-complex-associated testis expressed 1 (NM_013688, A130040O15) myosin 1H (complement (NM_146163, NM_026145) SH3-domain binding protein 1 (NM_009164, 1700049K12) MICROFIBRIL-ASSOCIATED GLYCOPROTEIN 4 homolog (1110053C02, NM_011841) paxillin (NM_011223, F730048I01) stabilin 1 (NM_138672, 2510015F01) proteoglycan 4 (NM_021400, 9430044J02) procollagen, type IV, alpha 3 (8430425B13, C430014B12.)	dynein, axonemal, heavy chain 11 (NM_010060, NM_146040) KINESIN SUPERFAMILY PROTEIN 24 (D030003D17, 7120460B09.) myosin, heavy polypeptide 7, cardiac muscle, beta (NM_080728, 4930408C10) stabilin 2 (NM_138673, C130042E01) microtubule-associated protein 7 (NM_008635, A830025B07) kinesin family member C3 (NM_010631, C030045P07) myosin light chain, phosphorylatable, fast skeletal (NM_016754, A630054B09) GAMMA TUBULIN RING COMPLEX PROTEIN homolog (C730031A08, 9630056N05) Tubulin (NM_146116, NM_026624) actinin alpha 4 (NM_0218, NM_021894) tektin 2 (NM_011902, I920064F16) nebulin-related anchoring protein (NM_008733, 4432414L05) beclin 1 (6430407H14, NM_026562) cofilin (C920029L04, 9930118N08) dystrobrevin alpha (4631433M03, A930021D14) tenascin XB (collagen org.) (NM_031176, I920026N02) neuromedin (NM_019515, 4930432L08) procollagen, type XI, alpha 1 (NM_007729, 4930428I03) protocadherin 10 (A330001F08, 1700027H10)

	procollagen, type XIX, alpha 1 (NM_007733, B230307H16)		pericentrin 2 (NM_008787, 1700094J05) keratin complex 2, basic, gene 1 (NM_008473, 4930526B20) keratin complex 1, acidic, gene 2 (NM_010665, 4732457E06) keratin, Type I cytoskeletal 10 (4833432L21, D130054E02) matrilin 2 (NM_016762, 9430069I07) microtubule-associated protein 2 (NM_008632, G930009L13) myosin, heavy polypeptide 2 (NM_144961, 9430073C21) nephronophthisis 1 (NM_016902, F730209K07) outer dense fiber of sperm tails 2 (NM_013615, 4931422C16, F930021H04) erythrocyte protein band 4.2 (NM_013513, E430004N11) glutamate delta 2 (Grid2 interacting protein 1 (NM_133355, 4632406I19, A230063K01) SH3 domain protein 1B (NM_011365, A430106I02) SH3/ankyrin domain gene 3 (NM_021423, A830050C02) vinculin (NM_009502, F830043B01) piccolo (presynaptic cytomatrix protein (NM_011995, A930027D19) smoothelin (NM_013870, 9530072G02) fibrillin 1 (NM_007993, C130097O16) fibrillin 2 (NM_010181, A330043A11) neurofilament, medium (A730009A11, 7120495C04)		
Membrane-related/Integral to membrane/cell adhesion					
translocase of outer mitochondrial membrane 40 homolog (NM_016871, 1700084P19) syntrophin, basic 2 (NM_009229, 1700121K17) transmembrane 9 superfamily member 1 (NM_028780, A930001G07) nurim (nuclear envelope membrane protein (NM_134122, 9430073M24) nicastatin (NM_021607.1, 9830132C16) syntaxin 4A (NM_009294, E030025F06) laminin (E030047H14, B130042I06) TPA regulated locus (NM_011626, 1700112L04) gap junction membrane channel protein alpha 5 (A230062H11, NM_026229) kringle containing transmembrane protein 2 (NM_028416, 9930118B15) SIMILAR TO NEUROLIGIN 1 (C630015D03, A830092H15) latent transforming growth factor beta binding protein (NM_013589, D030025P21) stomatatin (Epb7.2)-like 2 (NM_023231, 4930568F20) trophoblast glycoprotein (NM_011627, 9330154J02) phosphatidylinositol glycan, class M (NM_026234, 4933437L05) steroid 5 alpha-reductase 2-like (NM_020611, A630059M15)	inner membrane protein, mitochondrial (A130080M17, G830016F11) perlecan (heparan sulfate proteoglycan 2) (C130012H18, 6430539B01) leprecan 1 (NM_019783, E330001A13) sparc/osteonectin, cwcv and kazal-like domains proteoglycan 2 (NM_052994, 9330178J21) stromal cell derived factor 2 (NM_009143, 7420455J15) INTEGRAL PLASMA MEMBRANE PROTEIN (NM_027977, 4832424I19) synaptotagmin 4 (NM_009308, A830005M13) lamin B2 (NM_010722, 2610315N17) PRO-NEUREGULIN-1 PRECURSOR (D230005F13, D630024L06) dysferlin (9430011E24, A730050E21) CD9 antigen (NM_007657, A730082P15) CD151 antigen (NM_009842, 7120486K11) ephrin A4 (NM_007910, 4731419I09) transmembrane 4 superfamily member 7 (NM_053082, D130042I01) phospholamban (NM_023129, 6030406G17) embigin (NM_010330, 2810403G11) SYNDESMOS (NM_025839, 7120452O16) intercellular adhesion molecule 5, telencephalin (NM_008319, B230208K21) integrin beta 1 (fibronectin receptor beta) (E430002F23, A630057N24) synapsin I (NM_013680, C630017M21) scavenger receptor class B, member 2 (NM_007644, 9930019P08) ADIPOCYTE-SPECIFIC PROTEIN 3 (NM_024263, 1700095D18)	integrin alpha 4 (A130050E18, A730023J24)	neutralized homolog (NM_021360, A930014J05) phosphatidylinositol glycan, class N (NM_013784, F830224P03) asporin (NM_025711, A630090D02) chondroitin sulfate proteoglycan 3 (NM_007789, 1700007N19) CD3 antigen, zeta polypeptide (NM_031162, D230005F18) nidogen 1 (NM_010917, G370065L07) prominin 2 (NM_138750, 5330400N12) periaxin (NM_019412, G730002I09) SYNTAXIN 16 (6330500A18, D730019D15) neuropilin (NRP) and tolloid (TLL)-like 1 (NM_144946, D230037D07) transmembrane 6 superfamily member 1 (NM_145375, A130086N13) transmembrane 4 superfamily member 11 (NM_026385, 3732413003) nurim (NM_134122, E130114M22) immunoglobulin superfamily, member 4 (NM_018770, C230029K20) stabilin 2 (NM_138673, A230056G03) selectin (NM_011347, C730034B22) CD34 antigen (NM_133654, 5330404L05) intercellular adhesion molecule 4 (NM_023892, B230208K21) intercellular adhesion molecule 5 (NM_008319, C230059F15) junction cell adhesion molecule 3 (NM_023277, A430036N23) neural cell adhesion molecule 1 (NM_010875, 4930533K04) integrin alpha 9 (NM_133721, F830018P08) integrin beta 4 (C230078Q20, B230386D02) integrin beta 2-like (NM_008405, 5033406G21) bassoon, (NM_007567, F630040L22)	transmembrane 4 superfamily member 7 (NM_053082, C920030A14) synaptosomal-associated protein, 25 kDa, bindina protein (5930412H19, 6230405A16) neuregulin 4 (A530081A04, 0610033L19) syntaxin 3 (A230005O06, 9430075B11) sirtuin 3 (NM_022433, 6030437B01) CD3 antigen, zeta polypeptide (NM_031162, A730089N19) major intrinsic protein of eye lens fiber (NM_008600, C130070F19) SAC1 (suppressor of actin mutations 1, homoloq)-like (NM_030692, F430105K09) GPI-anchored membrane protein 1 (NM_016739, 4930578B19) transient receptor protein 7 (B930030P09, 1810043G02) transmembrane 4 superfamily member 7 (NM_053082, C920030A14) bindina protein (5930412H19, 6230405A16) syntaxin 18 (NM_026959, B930092E03) syntaxin 3 (A230005O06, 9430075B11) sirtuin 3 (NM_022433, 6030437B01) CD3 antigen, zeta polypeptide (NM_031162, A730089N19) major intrinsic protein of eye lens fiber (NM_008600, C130070F19) SAC1 (suppressor of actin mutations 1, homoloq)-like (NM_030692, F430105K09) GPI-anchored membrane protein 1 (NM_016739, 4930578B19) transient receptor protein 7 (B930030P09, 1810043G02) transmembrane 4 superfamily member 7 (NM_053082, C920030A14) bindina protein (5930412H19, 6230405A16) syntaxin 18 (NM_026959, B930092E03) syntaxin 3 (A230005O06, 9430075B11) sirtuin 3 (NM_022433, 6030437B01) CD3 antigen, zeta polypeptide (NM_031162, A730089N19) major intrinsic protein of eye lens fiber (NM_008600, C130070F19) SAC1 (suppressor of actin mutations 1, homoloq)-like (NM_030692, F430105K09) GPI-anchored membrane protein 1 (NM_016739, 4930578B19) transient receptor protein 7 (B930030P09, 1810043G02)	synaptophysin (NM_009305, 9530025M18) synaptotagmin 12 (NM_134164, A930001C03) syntaxin 18 (NM_026959, B930092E03) phosphatidylinositol glycan, class Q (NM_011822, A830011P16) neuronal PAS domain protein 3 (NM_013780, 1700093L05) membrane-associated tyrosine-and threonine-specificcdc2-inhibitory (NM_023058, NM_023824) epithelial V-like antigen (NM_007962, B130008O15) phosphatidylinositol glycan, class B (NM_018889, 6330521P04) similar to ENDOGLYCAN (D130074J02, 4932420L07) plexin A1 (NM_008881, 4931406A15) desmoglein 2 (4732447O10, G630053003) cytochrome P450, family 4, subfamily a, polypeptide 14 (NM_007822, 7420455A22) lin 7 homolog b (NM_011698, NM_016664) neutralized homolog (NM_021360, 6720472J10) amphoterin induced gene and ORF (NM_146137, E130010B19) ADIPOCYTE-SPECIFIC PROTEIN 5 homolog (NM_133733, F730016G06) tweety homolog 1 (NM_021324, D030047H15) membrane-spanning 4-domains, subfamily A, member 6C (NM_028595, B430213F23) synaptonemal complex protein 3 (NM_011517, 6430559M23, A430002D02) syncoilin (NM_023485, C230048M14) PDZ domain containing 1 (NM_021517, 9430058B08) poliovirus receptor-related 2 (NM_008990, 1700084P19)

			membrane protein, palmitoylated 4 (MAGUK p55 subfamily) (NM_145143, G730003C15) ficolin A (NM_007995, A230086C11) cadherin 23 (NM_023370, 9830133F10) synapsin II (NM_013681, D830033G01) intersectin (NM_010587, G630044J15) programmed cell death 1 ligand 1 (NM_021893, 9530085M13)		
Interleukin receptors activity/cytokine activity/immune defense response related interleukin 6 receptor, alpha (NM_010559, E230021P13) interferon gamma inducible protein 30 (NM_023065, 6330537M06) Cocoacrisp (NM_031402, B130034D01) T-CELL ACTIVATION PROTEIN homolog (NM_026242, E330010H09)	lymphoid enhancer binding factor 1 (3000002B05, 4832416C21) histocompatibility 2, Q region locus 4 (A130027C03, F930027D19) lymphocyte antigen 96 (NM_016923, A530024N23) gamma-glutamyltransferase-like activity 1 (NM_011820, G630022F09) interleukin 7 (NM_008371, 5830445L24) TAP binding protein (defense response) (NM_009318, B230348K03) tumor necrosis factor (ligand) superfamily, member 13b (NM_033622, D130016I19)	interleukin 16 (NM_010551, D330012B13) TAP binding protein (defense response) (NM_009318, 0710007E18)	(NY-REN-45 ANTIGEN) homolog (9330185B06, 4930438A20) NY-REN-18 antigen (NM_016736, 4931404D21) chemokine (C motif) ligand 1 (NM_008510, 9330144D21) hemolytic complement (NM_010406, A230064F10) lymphocyte antigen 75 (NM_013825, D430031A10) histocompatibility 2, complement component factor B (NM_008198, 1700013M21) pentaxin related gene (inflammatory response) (NM_008987, D230032H18) interferon regulatory factor 1 (/NM_008390, E030022C11) chemokine (C-C) receptor-like 1 (NM_145700, B020037L14) interleukin 17B (NM_019508, 1700006N07) arachidonate 5-lipoxygenase activating protein (inflammatory response) (1110031F21, 9830132M16) interleukin 12 receptor, beta 2 (NM_008354, B930009G22) interleukin 17 receptor-like (NM_134159, 9330110N14) LIMITIN (interferon like) (6030405N23, 6230408O18) defensin beta 15 (NM_139222, A730021O03) T-cell immunomodulatory protein (NM_028007, D830005D19) X-linked lymphocyte-regulated 4 (NM_021365, F830003C11)	decay accelerating factor 2 (NM_007827, 4921540H11) interleukin enhancer binding factor 2 (6230405A16, 5930412H19) chemokine (C-X-C motif) ligand 15 (NM_011339, 3110001P14) chemokine (C-X-C motif) ligand 10 (NM_021274, 4833420K04) THYROID HORMONE RECEPTOR-ASSOCIATED PROTEIN COMPLEX COMPONENT TRAP150 (B230333E16, 9630036I06)	interferon gamma inducible protein 30 (NM_023065, C230068I07) neutrophil cytosolic factor 1 (NM_010876, C230055L03)
DNA, RNA-binding, transcription factor, regulation of transcription (DB, RB, TF, TR)					
guanine nucleotide binding protein (NM_025278, E330016D02) methyl-CpG binding domain protein 4 (NM_010774, A930014C13) small nuclear ribonucleoprotein polypeptide A (NM_015782, G930043M10) Jun proto-oncogene related gene d1 (NM_010592, 6430598M18) nuclear receptor coactivator 4 (NM_019744, 4930542I09) forkhead box Q1 (NM_008239, A530084C06) guanine nucleotide binding protein, alpha 14 (NM_008137, 8030422L16) transcription factor 20 (NM_013836, 4931406O09) U2 small nuclear ribonucleoprotein auxiliary factor (NM_009453, B130045P07) TRANSCRIPTION INITIATION FACTOR TFIID (6330528C20, 9130204C11) H2A HISTONE FAMILY (E130315C04, 4930534G10) selenocysteine tRNA gene transcription activator factor (4932406A07, 3830402K14) H1 histone family, member 0 (NM_008197, 0630017B18) heterogeneous nuclear ribonucleoprotein K (NM_025279, 9930118C06) putative homeodomain transcription factor (NM_013629, B230385I07) telomerase associated protein 1 (NM_009351, 4930405F09) chromatin accessibility complex 1 (NM_053068, 6330443K16)	nuclear factor of kappa light polypeptide gene (NM_010909, 5830485P15) transcriptional repressor NAC1 (NM_025788, 4930511N13) T-box18 (NM_023814, D030062O11) transcription elongation factor A (NM_011541, B430206H13) H3 histone, family 2 (NM_019469, 6430517B15) transcription factor AP-2, alpha (NM_011547, 5430439A09) similar to transcription factor BTF3 (NM_145455, 1700054E11) CCR4-NOT transcription complex, subunit 7 (7420402E19, F730219H13) activating transcription factor 5 (NM_030693, NM_053074) DNA-damage inducible transcript 3 (NM_007837, 9330175M06) SNRNA ACTIVATING PROTEIN COMPLEX (C630012M08, A630094K18) REGULATOR OF CHROMOSOME CONDENSATION homolog (2810004B11, A630028C14) nuclear factor of activated T-cells, cytoplasmic 2 interacting protein (4932442G09, 4933434K12) damage specific DNA binding protein 2 (NM_028119, 2900017C10) RNA-binding protein LIN-28 (NM_145833, G630075I20) stem-loop binding protein (NM_009193, 4930516K01) basic helix-loop-helix domain containing, class B2 (NM_011498, A330095A16)	myocyte enhancer factor 2D (transcription factor) (NM_133665, G270074E13) NK2 transcription factor related (NM_010919, B230323J04) histone 2, H2aa1 (NM_013549, F930118D21) origin recognition complex, subunit 1-like (NM_011015, E330023M09) BDG-29 protein (NM_080855, 6230411B22) histone 1 (NM_145713, E430020M11) interferon regulatory factor 4 (NM_013674, B930098E14)	eukaryotic translation initiation factor 2 alpha kinase 3 (NM_010121, D930026L01) eukaryotic translation initiation factor 2 alpha kinase1 (NM_013557, I530024M23) eukaryotic elongation factor-2 kinase (NM_007908, F430004B06) polymerase (DNA directed), alpha (NM_008892, C130017B08) polymerase (DNA directed), kappa (NM_012048, 3021403N15) polymerase (DNA directed), delta 2 (NM_008894, 4432416A03) RecQ protein-like 5 (NM_130454, 9030006L09) paired box gene 8 (NM_011040, 9930101P12) forkhead box A2 (NM_010446, F830005G14) centrosomal protein 2 (mitosis, cytoskeleton) (NM_008383, B020006H19) nuclear receptor subfamily 1, group D, member 1 (NM_145434, D930024E14) nuclear receptor coactivator 1 (NM_010881, F730003F10) nuclear receptor coactivator 3 (NM_008679, D230034K24) nuclear receptor co-repressor 1 (NM_011308, B230205G03, A230020K14, 9330013M08) DNA cross-link repair 1B, PS02 homolog (NM_133865, E330029O20) selenoprotein (NM_053102, 9430014F16) DNA methyltransferase 1-associated protein 1 (NM_023178, A630059E15)	nuclear receptor subfamily 2, group F, member 6 (NM_010150, C030046K04) POU domain, class 3, transcription factor 2 (NM_008899, A730009J10) similar to TRANSCRIPTIONAL CO-ACTIVATOR CRSP70 (C530035L23, E230012O07) transcription factor 1 (NM_009327, 6430539H06) signal transducer and activator of transcription 5A (NM_011488, 9830127M23) transcription factor B1, mitochondrial (NM_146074, NM_0118789) guanine nucleotide binding protein 13, gamma (NM_022422, D630020J05) origin recognition complex, subunit 2-like (NM_008765, C330027O19) DNA polymerase epsilon, subunit 3 (1810034K18, B130014K12) TRANSCRIPTION FACTOR E2F2 (E130207A07, F730116M10) RNA binding motif protein 4 (3732424N14, 1110058N10) polymerase (RNA) II (DNA directed) (NM_011293, I730034M15) origin recognition complex, subunit 4 (D230023N17, D330024F24) deoxyribonuclease I (NM_010061, I1C0037K05) elongation protein 4 homolog (NM_023876, B930008N06) RNA polymerase II (1500026007, NM_053246) mutS homolog 6 (NM_010830, 6330525G24)	RNA-binding protein LIN-28 (NM_145833, NM_031383) TAF6 RNA polymerase II, TATA box binding protein associated factor (NM_009315, NM_021392) TATA box binding protein (Tbp)-associated factor, RNA polymerase I (NM_021441NM_026648) forkhead box P3 (NM_054039, NM_138603) damage specific DNA binding protein 2 (NM_028119, F630113A07) tRNA splicing 2' phosphotransferase 1 homolog (C130074I11, E430007H19) NUCLEAR PROTEIN SKIP (2310008B08, 4732542F11.) kelch-like ECH-associated protein 1 (NM_016679, F630007O10) polymerase (DNA directed), gamma 2 (NM_015810, 9830119B06) eukaryotic translation initiation factor 2, subunit 2 (NM_026030, E430016H19) heterogeneous nuclear ribonucleoprotein A/B (NM_010448, 2410073I10) general transcription factor II H, polypeptide 4 (NM_010364, C530044A22) cofactor required for Sp1 transcriptional activation subunit (NM_025426, 2310031A07) transcriptional regulator, SIN3A (NM_011378, 5730407N16) origin recognition complex, subunit 3-like (NM_015824, C130072M21) nuclear factor of kappa light chain gene enhancer in B cells (NM_008689, G430121H02) eukaryotic translation initiation factor 2, subunit 2 (NM_026030, E430016H19)

<p>PUTATIVE ATP-DEPENDENT RNA HELICASE PL10 (4921521M13.4930471A14)</p> <p>regulator of nonsense transcripts 1 (NM_030680, B430202H16)</p> <p>enhancer of zeste homolog 2 (E430020J16, F830010H11)</p> <p>TRF1-INTERACTING ANKYRIN-RELATED ADP-RIBOSE POLYMERASE homolog (B430206N15, 4930554K12)</p> <p>gastrulation brain homeobox 2 (NM_010262, D130058E05)</p> <p>ELAV-LIKE PROTEIN 1 (HU-ANTIGEN R) (HUR) (ELAV-LIKE GENERIC PROTEIN (6530401116, E030009J24)</p> <p>Rap1 guanine-nucleotide-exchange factor directly activated by cAMP (NM_144850, 6820415M06)</p> <p>Kruppel-like factor 9 (NM_010638, B430216N15)</p> <p>feminization 1 homolog a (NM_010192, B430213H24)</p> <p>TRANSCRIPTION FACTOR GATA-6 (FRAGMENT) homolog (E030017M08.1010001N08)</p> <p>tripartite motif protein 28 (NM_011588, 1700129A22)</p> <p>RNA and export factor binding protein 2 (NM_019484, B930036N10)</p> <p>Werner helicase interacting protein (NM_030215, D930007J09)</p> <p>progesterone receptor (NM_008829, C630024B11)</p> <p>UDP-glucose pyrophosphorylase 2 (NM_139297, A230049N09)</p> <p>squamous cell carcinoma antigen recognized by T-cells (NM_016882, D330050I16)</p> <p>CREBBP/EP300 inhibitory protein 1 (NM_025613, 6230417E10)</p> <p>grainyhead like 2 (NM_026496, 1600010A02)</p>	<p>RIBONUCLEOPROTEIN F homolog (NM_133834, 4930406G21)</p> <p>mitochondrial translation optimization 1 homolog (NM_026658, C230017L24)</p> <p>heterogeneous nuclear ribonucleoprotein A/B (NM_010448, G630024L07)</p> <p>polymerase I and transcript release factor (NM_008986, 2310016D09)</p> <p>small nuclear ribonucleoprotein D1 (NM_009226, G370140L11)</p> <p>3'-5' EXORIBONUCLEASE CSL4 HOMOLOG (NM_025644, F930116E16)</p> <p>small nuclear ribonucleoprotein B (NM_009225, G630066H01)</p> <p>chromodomain helicase DNA binding protein 1-like (NM_026539, 4931433F05)</p> <p>nuclear receptor binding protein (NM_147201, 4930543E05)</p> <p>ligase I, DNA, ATP-dependent (NM_010715, I420047G08)</p> <p>RNA binding motif protein 6 (NM_011251, 4930506F14)</p> <p>LIM homeobox protein 3 (NM_010711, 9430079P05)</p> <p>nudix (nucleoside diphosphate linked moiety X)-type motif 9 (NM_028794, 6430502J16)</p> <p>even skipped homeotic gene 1 homolog (NM_007966, 6030441H14)</p> <p>nucleobindin (NM_008749, 8030450K15)</p> <p>5'-3' exoribonuclease 1 (NM_011916, E130306L10)</p> <p>polymerase (DNA directed), mu (NM_017401, E130308K21)</p> <p>ETS FAMILY TRANSCRIPTION FACTOR ELF2B1 homolog (E430016E08, 4930577N17)</p> <p>prospero-related homeobox 1 (D830026M03, D330003D13)</p> <p>SPRY DOMAIN-CONTAINING SOCS BOX PROTEIN SSB-4 homolog (D030068E18, D630003D10)</p> <p>CCAAT/enhancer binding protein (C/EBP), beta (NM_009883, B830013003)</p> <p>GATA binding protein 5 (NM_008093, 9130423G08)</p> <p>nuclear autoantigenic sperm protein (NM_016777, B930079G11)</p> <p>high mobility group nucleosomal binding domain 3 (NM_026122, 8030494I21)</p> <p>transforming growth factor beta 1 induced transcript 4 (NM_009366, 1700031D16)</p> <p>cAMP responsive element modulator (2410142I01, F830210I11)</p> <p>basonuclin (E230006C08, A930012L21)</p> <p>integrin beta 4 binding protein (1500041G22, F830104F12)</p> <p>pancreas specific transcription factor, 1a (NM_018809, E130016D16)</p> <p>ANTI-SILENCING FUNCTION 1A (NM_025541, 4932437M21)</p> <p>protein inhibitor of activated STAT 3 (NM_146135, E030003D21)</p> <p>ELK4, member of ETS oncogene family (Elk4) (NM_007923, D930039D09)</p> <p>APM-1 PROTEIN homolog (NM_145356, 4833419G08)</p> <p>nuclear receptor subfamily 2 (NM_010151, C230008G15)</p> <p>nuclease sensitive element binding protein 1 (NM_011732, 1700102N10)</p> <p>Myb protein P42POP (NM_145579, 5830487H05)</p> <p>meiotic recombination 11 (NM_018736, A830006C20)</p>	<p>TATA box binding protein-like 1 (NM_011603, 4732418P20)</p> <p>similar to TATA box binding protein (TBP)-assoc. factor, RNA polymerase (NM_133707, D230011M17)</p> <p>nuclear receptor binding protein (NM_147201, A530064G17)</p> <p>H6 homeobox 1 (NM_010445, 4930466L15)</p> <p>TRANSCRIPTION FACTOR E2F2 (E130207A07, A630054D15)</p> <p>transcription elongation factor A (SII) (1810011L17, F830102L21)</p> <p>transcription factor 1 (NM_009327, D730032B12)</p> <p>RNA-binding protein LARK homolog (NM_025717, C630010M06)</p> <p>RNA polymerase 1-4 (NM_009088, 4930568N23)</p> <p>basic helix-loop-helix domain containing, class B3 (NM_024469, 9530085M16)</p> <p>ligase I, DNA, ATP-dependent (NM_010715, C130084C17)</p> <p>transcriptional repressor NAC1, (NM_025788, 4930511N13)</p> <p>runt related transcription factor 1 (NM_009821, 9230002H23)</p> <p>nuclear factor I/X (NM_010906, G430095P16)</p> <p>nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 1 (NM_010909, A530093O14)</p> <p>nuclear factor of activated T-cells, cytoplasmic 3 (E430019L12, A430034G18)</p> <p>nuclear factor of activated T-cells 5 (NM_133957, F630050I06)</p> <p>eukaryotic translation initiation factor 3, subunit 7 (NM_018749, 9630056E16)</p> <p>eukaryotic translation initiation factor 4E nuclear import factor 1 (NM_023743, A930019J01)</p> <p>H2A histone family, member L homolog (C630019H19, A530053H09)</p> <p>U4/U6 SNRNP 60 KDA PROTEIN homolog (5930430M20, NM_025685)</p> <p>splicing factor, arginine/serine-rich 4 (NM_020587, B930088D13)</p> <p>prolactin regulatory element binding (4931409I21, NM_021304)</p> <p>pumilio 1 (NM_030722, F830011A05)</p> <p>pigpen (RNA bind) (NM_139149, A130071G11)</p> <p>ash2 (NM_011791, A630048B09)</p> <p>nudix (nucleoside diphosphate linked moiety X)-typemotif5 (NM_016918, A230108C01, B930053K13)</p> <p>nucleotide binding protein 1 (NM_011955, 6330539F10)</p> <p>guanine nucleotide binding protein (G protein), gamma 3 (NM_010316, D330032I20)</p> <p>5'-nucleotidase, cytosolic III (NM_026004, 3110004A18)</p> <p>DEAQ RNA-dependent ATPase (NM_033606, D130060A17)</p> <p>tuftelin interacting protein 11 (NM_018783, 2810002G02)</p> <p>CCR4-NOT transcription complex, subunit 3 (NM_146176, A130030P06)</p> <p>excision repair cross-complementing rodent repair (NM_007948, 1190028F09)</p> <p>TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor (B930022J16, NM_010562)</p> <p>TGF BETA INDUCIBLE NUCLEAR PROTEIN TINP1 (NM_021552, 5730530B02)</p> <p>TERF1-INTERACTING NUCLEAR PROTEIN 2 (A130036A19, NM_134075)</p>	<p>splicing factor, arginine/serine-rich 2 (NM_011358, 6720460L15)</p> <p>paired-like homeobox 2a (NM_008887, 4932442D18)</p> <p>integrin beta 1 binding protein 1 (0610009P08, 2210022F04)</p> <p>similar to TEN INTEGRIN EGF-LIKE REPEAT DOMAINS PROTEIN PRECURSOR (B930011D01, A630033B20)</p> <p>prefoldin 5 (chaperon protein)</p> <p>MEIOTIC RECOMBINATION PROTEIN REC14 (4932422L05, D130061M21)</p> <p>tuftelin interacting protein 11 (NM_018783, 2810002G02)</p> <p>ASF1 anti-silencing function 1 homolog A (NM_025541, A730029N21)</p> <p>signal transducer and activator of transcription 3 (9830127M23, NM_011488)</p> <p>spastic paraplegia 3A homolog (D130060H04, NM_022028)</p> <p>CCAAT/ENHANCER BINDING PROTEIN DELTA (E030029N02, NM_146068)</p> <p>synaptotagmin 2 (NM_011523, F630105P09)</p> <p>suppressor of Ty 16 homolog (NM_033618, NM_023879)</p> <p>homeobox A3 (4930435C08, 5730446D14)</p> <p>homeobox A7 (9030406A02, I530023N17)</p> <p>splicing factor, arginine/serine rich 9 (6030486K23, B930015F03)</p> <p>NKG2 transcription factor related, locus 2 (2010010A07, D030017C05)</p> <p>regulatory factor X (NM_017395, B230398E01)</p> <p>p300/CBP-associated factor (A430068B20, A930009M07)</p> <p>interleukin enhancer binding factor 3 (NM_010561, 4930565O14)</p> <p>lamin B receptor (NM_133815, 4930598N11)</p> <p>SET domain, bifurcated 1 (NM_018877, C730023N05)</p> <p>DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 19 (NM_007916, 6330520J02)</p> <p>RAD23a homolog (A130094C19, 2810429D03)</p> <p>RAD54 like (NM_009015, 1190001F19)</p> <p>upstream binding protein 1 (NM_013699, C230086C13)</p> <p>Sjogren syndrome antigen B (NM_009278, 2810410A08)</p>	<p>POU domain, class 2, transcription factor 1 (NM_011137, 4930549J05)</p> <p>D site albumin promoter binding protein (NM_016974, 4933402E20)</p> <p>c-myc promoter-binding protein iriB (fragment) homolog (B930005O09, D930026N09)</p> <p>CCAAT/enhancer binding protein alpha (C/EBP), related sequence 1 (5730409M10, 1110001A16)</p> <p>regulator of nonsense transcripts 1 (NM_030680, NM_138647.)</p> <p>metal response element binding transcription factor 2 (NM_013827, 6430594K11)</p> <p>guanine nucleotide binding protein, alpha 12 (NM_010302, 5330426I05)</p> <p>RecQ protein-like (NM_023042, G370139B07)</p> <p>RecQ protein-like 4 (NM_058214, F730049G18)</p> <p>inversin (NM_010569, C430021H21)</p> <p>longevity assurance homolog 1 (NM_138647, NM_030680)</p> <p>GLI-Kruppel family member GLI (NM_010296, NM_146011)</p> <p>SWAP complex protein (NM_009302, A630011I19)</p> <p>fos-like antigen 1 (NM_010235, B430219J18)</p> <p>protein inhibitor of activated STAT 3 (NM_146135, 6430519L11)</p> <p>Sin3-associated polypeptide 18 (NM_009119, 8030496J10)</p> <p>faciogenital dysplasia homolog (NM_008001, A930017H06)</p> <p>trans-acting transcription factor 6 (4931406A09, 9930033B11)</p> <p>endonuclease G (NM_007931, B130017L23)</p> <p>RNA BINDING PROTEIN homolog (2600016F01, NM_144927)</p> <p>Jun-B oncogene (A930003K15, NM_011563)</p> <p>myc induced nuclear antigen (NM_025910, 9530036A08)</p> <p>similar to nuclear matrix protein p84 (D730043H17, F630210K22)</p> <p>RAR-related orphan receptor gamma (NM_011281, 2010110B15)</p> <p>apolipoprotein B editing complex 2 (NM_009694, 6030439G21)</p> <p>retinoic acid receptor, beta (6820403N24, D330024O17)</p> <p>Sjogren syndrome antigen B (NM_009278, 2810410A08)</p>
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	<p>SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1 (NM_011418, C130037C06) 5', 3'-nucleotidase, cytosolic (NM_015807, C530044P15) recombining binding protein suppressor of hairless-like (NM_009036, 3221402P10) SET domain, bifurcated 1 (NM_018877, A530089E07) ROD1 regulator of differentiation 1 (NM_144904, 1700018M17) ATP-binding cassette, sub-family B (NM_011075, A230021K14) TEA domain family member 1 (NM_009346, B430218K23) PIN2/TRF1-interacting protein (NM_028228, 4921532D01) nucleolin (6030459G24, 2310057K05) fos-like antigen 2 (NM_008037, 5430405N01) core-binding factor, runt domain, alpha subunit 2 (NM_009824, F930118L16) suppressor of Ty 4 (NM_011509, B020006M19) nuclear factor I/C (NM_008688, 4930506K12) U2af1-rs1 region 1 (NM_144514, F830221L22) guanine nucleotide binding protein, alpha 13 (NM_010303, 1520402A20) paraspeckle protein 1 (RNA-bind region) (NM_025682, G630009F03) chromatin assembly factor 1 (NM_028083, 2610034B04) sequestosome 1 (NM_011018, A930031B19) lymphoid enhancer binding factor 1 (NM_010703, D430020D16) apolipoprotein B editing complex 3 (NM_030255, F430205P17) prohibitin (NM_008831, 4932419C06)</p>		<p>Kruppel-like factor 5 (NM_009769, 4930520J07) SPLICING FACTOR, ARGININE/SERINE-RICH 7 (NM_146083, 5930434A12) ankyrin repeat and SOCS box-containing protein 17 (NM_025758, 2510003D18) origin recognition complex, subunit 3-like (NM_015824, A630051M24, C130093G02) high mobility group AT-hook 2 (NM_010441, 1700006J14) hypoxia inducible factor 1, alpha subunit (transcription factor) (NM_010431, C230070P12) flap structure specific endonuclease (NM_007999, 4932411N02) splicing factor, arginine/serine-rich 4 (5730499P16, E330026O12) eukaryotic elongation factor-2 kinase (4632417P16, A530032J19) SIMILAR TO MALE-SPECIFIC RNA 84DD homolog (5730441M17, A130041E07) polymyositis/scleroderma autoantigen 1 (NM_019393, NM_009828) BRAF35/HDAC2 complex (NM_138755, I830066K08) polyamine-modulated factor 1 (NM_025928, B930087G13) BTB and CNC homology 2 (NM_007521, G830004C14) cleavage stimulation factor, 3' pre-RNA, subunit 3 (NM_145529, 9330195I24) cut-like 1 (NM_009986, 4930558G11) retinoic acid induced 15 (NM_144918, 5830427D24) SRY-box containing gene 5 (NM_011444, 4933415D12) ets variant gene 6 (NM_007961, A330080M08) aryl hydrocarbon receptor nuclear translocator 2 (NM_007488, 9530061H22) Hbs1-like (NM_019702, 4930455C13) Scm-related gene containing four mbt domains (NM_019460, 1700087M22) HLA-B associated transcript 4 (NM_032460, 2310011C23.) early B-cell factor 2 (NM_010095, 4933432G14) early B-cell factor 3 (NM_010096, B930023B10) sirtuin 1 (NM_019812, D230009K01) WD repeat domain 9 (NM_145125, 4933401A13) upstream binding protein 1 (NM_013699, 4930545B19)</p>		
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