

| Gene Symbol | Accession | Alias/Prev Symbol | Official Full Name |
|-------------|----------------|---|---|
| AAMP | NM_001087.3 | - | angio-associated, migratory cell protein |
| ABI3BP | NM_015429.3 | NESHBP TARSH | ABI family, member 3 (NESH) binding protein |
| ACHE | NM_000665.3 | ACEE ARACHE N-ACHE YT | acetylcholinesterase |
| ACTG2 | NM_001615.3 | ACT ACTA3 ACTE ACTL3 ACTSG | actin, gamma 2, smooth muscle, enteric |
| ACVR1 | NM_001105.2 | ACTRI ACVR1A ACVRLK2 ALK2 FOP SKR1 TSRI | activin A receptor, type I |
| ACVR1C | NM_145259.2 | ACVRLK7 ALK7 | activin A receptor, type IC |
| ACVRL1 | NM_000020.1 | ACVRLK1 ALK-1 ALK1 HHT HHT2 ORW2 SKR3 TSR-1 | activin A receptor type II-like 1 |
| ADAM15 | NM_207195.1 | MDC15 | ADAM metalloproteinase domain 15 |
| ADAM17 | NM_003183.4 | ADAM18 CD156B CSVP NISBD TACE | ADAM metalloproteinase domain 17 |
| ADAM28 | NM_014265.4 | ADAM 28 ADAM23 MDC-L MDC-Lm MDC-Ls MDCL eMDC II eMDCII | ADAM metalloproteinase domain 28 |
| ADAM8 | NM_001109.4 | CD156 MS2 | ADAM metalloproteinase domain 8 |
| ADAM9 | NM_001005845.1 | CORD9 MCMP MDC9 Mltng | ADAM metalloproteinase domain 9 |
| ADAMTS1 | NM_006988.3 | C3-C5 METH1 | ADAM metalloproteinase with thrombospondin type 1 motif, 1 |
| ADAMTS12 | NM_030955.2 | PRO4389 | ADAM metalloproteinase with thrombospondin type 1 motif, 12 |
| ADAMTS8 | NM_007037.4 | ADAM-TS8 METH2 | ADAM metalloproteinase with thrombospondin type 1 motif, 8 |
| ADAP1 | NM_006869.2 | CENTA1 GCS1L p42IP4 | ArfGAP with dual PH domains 1 |
| ADD1 | NM_001119.4 | ADDA | adducin 1 (alpha) |
| ADM2 | NM_001253845.1 | AM2 dJ579N16.4 | adrenomedullin 2 |
| ADRA2B | NM_000682.4 | ADRA2L1 ADRA2RL1 ADRARL1 ALPHA2BAR alpha-2BAR | adrenoceptor alpha 2B |
| AEBP1 | NM_001129.3 | ACLP | AE binding protein 1 |
| AGGF1 | NM_018046.3 | GPATC7 GPATCH7 HSU84971 HUS84971 VG5Q | angiogenic factor with G patch and FHA domains 1 |
| AGR2 | NM_006408.3 | AG2 GOB-4 HAG-2 PDIA17 XAG-2 | anterior gradient 2 homolog (Xenopus laevis) |
| AGRN | NM_198576.2 | - | agrin |
| AGT | NM_000029.3 | ANHU SERPINA8 | angiotensinogen (serpin peptidase inhibitor, clade A, member 8) |
| AHNAK | NM_001620.2 | AHNAKRS | AHNAK nucleoprotein |
| AKAP12 | NM_005100.3 | AKAP250 SseCKS | A kinase (PRKA) anchor protein 12 |
| AKAP2 | NM_001004065.4 | AKAP-2 AKAPKL PRKA2 | A kinase (PRKA) anchor protein 2 |
| AKT1 | NM_005163.2 | AKT PKB PKB-ALPHA PRKBA RAC RAC-ALPHA | v-akt murine thymoma viral oncogene homolog 1 |
| AKT2 | NM_001626.2 | HIHGHH PKBB PKBBETA PRKBB RAC-BETA | v-akt murine thymoma viral oncogene homolog 2 |
| AKT3 | NM_005465.4 | PKB-GAMMA PKBG PRKBG RAC-PK-gamma RAC-gamma STK-2 | v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma) |
| ALB | NM_000477.5 | PRO0883 PRO0903 PRO1341 | albumin |
| ALDOA | NM_184041.2 | ALDA GSD12 | aldolase A, fructose-bisphosphate |
| ALOX5 | NM_000698.2 | 5-LO 5-LOX 5LPG LOG5 | arachidonate 5-lipoxygenase |
| AMH | NM_000479.3 | MIF MIS | anti-Mullerian hormone |
| ANG | NM_001145.4 | ALS9 HEL168 RNASE4 RNASE5 | angiogenin, ribonuclease, RNase A family, 5 |
| ANGPT1 | NM_001146.3 | AGP1 AGPT ANG1 | angiopoietin 1 |
| ANGPT2 | NM_001147.2 | AGPT2 ANG2 | angiopoietin 2 |
| ANGPTL2 | NM_012098.2 | ARP2 HARP | angiopoietin-like 2 |
| ANGPTL4 | NR_104213.1 | ANGPTL2 ARP4 FIAF HFARP NL2 PGAR pp1158 | angiopoietin-like 4 |
| ANPEP | NM_001150.1 | APN CD13 GP150 LAP1 P150 PEPN | alanine aminopeptidase |
| ANXA2 | NR_003573.1 | ANX2 ANX2L4 CAL1H LIP2 LPC2 LPC2D P36 PAP-IV | annexin A2 |
| AP1M2 | NM_005498.4 | AP1-mu2 HSMU1B MU-1B MU1B mu2 | adaptor-related protein complex 1, mu 2 subunit |
| APC | NM_000038.3 | BTPS2 DP2 DP2.5 DP3 GS PPP1R46 | adenomatous polyposis coli |
| APOD | NM_001647.3 | - | apolipoprotein D |
| APOE | NM_000041.2 | AD2 LDLCQ5 LPG | apolipoprotein E |
| APOH | NM_000042.2 | B2G1 B2GP1 BG | apolipoprotein H (beta-2-glycoprotein I) |
| AQP1 | NM_198098.1 | AQP-CHIP CHIP28 CO | aquaporin 1 (Colton blood group) |
| ARAP2 | NM_015230.2 | CENTD1 PARX | ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2 |
| AREG | NM_001657.2 | AR CRDGF SDGF | amphiregulin |
| ARHGAP32 | NM_001142685.1 | GC-GAP GRIT PX-RICS RICS p200RhoGAP p250GAP | Rho GTPase activating protein 32 |
| ARHGDI2 | NM_001175.4 | D4 GDIA2 GDID4 LYGDI Ly-GDI RAP1GN1 RhoGDI2 | Rho GDP dissociation inhibitor (GDI) beta |
| ASPN | NM_017680.3 | OS3 PLAP-1 PLAP1 SLRR1C | asporin |
| ATPIF1 | NM_178190.2 | ATPI ATPIP IP | ATPase inhibitory factor 1 |
| B3GNT3 | NM_014256.3 | B3GAL-T8 B3GN-T3 B3GNT-3 HP10328 TMEM3 beta3Gn-T3 | UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3 |
| BAD | NM_004322.3 | BBC2 BCL2L8 | BCL2-associated agonist of cell death |
| BAG2 | NM_004282.3 | BAG-2 dJ41711.2 | BCL2-associated athanogene 2 |
| BAI1 | NM_001702.1 | GDAIF | brain-specific angiogenesis inhibitor 1 |
| BAI3 | NM_001704.1 | - | brain-specific angiogenesis inhibitor 3 |
| BCAS1 | NM_003657.2 | AIBC1 NABC1 | breast carcinoma amplified sequence 1 |
| BGN | NM_001711.3 | DSPG1 PG-S1 PGI SLRR1A | biglycan |
| BICC1 | NM_001080512.1 | BICC CYSRD | bicaudal C homolog 1 (Drosophila) |
| BMP4 | NM_001202.3 | BMP2B BMP2B1 MCOPS6 OFC11 ZYME | bone morphogenetic protein 4 |
| BMP5 | NM_021073.2 | - | bone morphogenetic protein 5 |
| BMP7 | NM_001719.2 | OP-1 | bone morphogenetic protein 7 |
| BMPER | NM_133468.4 | CRIM3 CV-2 CV2 | BMP binding endothelial regulator |
| BMPR1A | NM_004329.2 | 10q23del ACVRLK3 ALK3 CD292 SKR5 | bone morphogenetic protein receptor, type IA |
| BMPR1B | NM_001203.1 | ALK-6 ALK6 CDw293 | bone morphogenetic protein receptor, type IB |
| BMPR2 | NM_001204.5 | BMPR-II BMPR3 BMR2 BRK-3 PPH1 T-ALK | bone morphogenetic protein receptor, type II (serine/threonine kinase) |
| BNC2 | NM_017637.5 | BSN2 | basonuclin 2 |
| BRMS1 | NM_015399.3 | - | breast cancer metastasis suppressor 1 |
| BTG1 | NM_001731.2 | - | B-cell translocation gene 1, anti-proliferative |
| C1S | NM_001734.2 | - | complement component 1, s subcomponent |
| C3 | NM_000064.2 | AHUS5 ARMD9 ASP CPAMD1 | complement component 3 |
| C3AR1 | NM_004054.2 | AZ3B C3AR HNFA09 | complement component 3a receptor 1 |
| CADM1 | NM_014333.3 | BL2 IGSF4 IGSF4A NECL2 Necl-2 RA175 ST17 SYNCAM TSLC1 sTS | cell adhesion molecule 1 |
| CALCRL | NM_005795.3 | CGRPR CRLR | calcitonin receptor-like |
| CALD1 | NM_004342.6 | CDM H-CAD HCAD L-CAD LCAD NAG22 | caldesmon 1 |
| CAMK2A | NM_171825.1 | CAMKA | calcium/calmodulin-dependent protein kinase II alpha |
| CAMK2B | NM_001220.3 | CAM2 CAMK2 CAMKB | calcium/calmodulin-dependent protein kinase II beta |
| CAMK2D | NM_172127.1 | CAMKD | calcium/calmodulin-dependent protein kinase II delta |
| CAMP | NM_004345.3 | CAP-18 CAP18 CRAMP FALL-39 FALL39 LL37 | cathelicidin antimicrobial peptide |
| CASP8 | NM_001228.4 | ALPS2B CAP4 Casp-8 FLICE MACH MCH5 | caspase 8, apoptosis-related cysteine peptidase |
| CAV1 | NM_001753.3 | BSCL3 CGL3 MSTP085 VIP21 | caveolin 1, caveolae protein, 22kDa |
| CBLC | NM_012116.3 | CBL-3 CBL-SL RNF57 | Cbl proto-oncogene, E3 ubiquitin protein ligase C |

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| CCBE1 | NM_133459.3 | - | collagen and calcium binding EGF domains 1 |
| CCDC80 | NM_199511.1 | DRO1 SSG1 URB okuribin | coiled-coil domain containing 80 |
| CCL11 | NM_002986.2 | SCYA11 | chemokine (C-C motif) ligand 11 |
| CCL21 | NM_002989.2 | 6Ckine CKb9 ECL SCYA21 SLC TCA4 | chemokine (C-C motif) ligand 21 |
| CCL5 | NM_002985.2 | D17S136E RANTES SCYA5 SISd TCP228 | chemokine (C-C motif) ligand 5 |
| CCL7 | NM_006273.2 | FIC MARC MCP-3 MCP3 NC28 SCYA6 SCYA7 | chemokine (C-C motif) ligand 7 |
| CCL8 | NM_005623.2 | HC14 MCP-2 MCP2 SCYA10 SCYA8 | chemokine (C-C motif) ligand 8 |
| CCR2 | NM_001123041.2 | CC-CKR-2 CCR-2 CCR2A CCR2B CD192 CKR2 CKR2A CKR2B CMKB | chemokine (C-C motif) receptor 2 |
| CCR3 | NM_001837.2 | CC-CKR-3 CD193 CKR3 CMKBR3 | chemokine (C-C motif) receptor 3 |
| CD163 | NM_004244.4 | M130 MM130 | CD163 molecule |
| CD24 | NM_013230.2 | CD24A | CD24 molecule |
| CD2AP | NM_012120.2 | CMS | CD2-associated protein |
| CD34 | NM_001773.2 | - | CD34 molecule |
| CD36 | NM_000072.3 | BDPLT10 CHDS7 FAT GP3B GP4 GPIV PASIV SCARB3 | CD36 molecule (thrombospondin receptor) |
| CD44 | NM_001001392.1 | CDW44 CSPG8 ECMR-III HCELL HUTCH-1 IN LHR MC56 MDU2 MDU | CD44 molecule (Indian blood group) |
| CD46 | NM_172350.1 | AHUS2 MCP MIC10 TLX TRA2.10 | CD46 molecule, complement regulatory protein |
| CD82 | NM_002231.3 | 4F9 C33 GR15 IA4 KAI1 R2 SAR2 ST6 TSPAN27 | CD82 molecule |
| CDC42 | NM_001039802.1 | CDC42Hs G25K | cell division cycle 42 (GTP binding protein, 25kDa) |
| CDH1 | NM_004360.2 | Arc-1 CD324 CDHE ECAD LCAM UVO | cadherin 1, type 1, E-cadherin (epithelial) |
| CDH11 | NM_001797.2 | CAD11 CDHOB OB OSF-4 | cadherin 11, type 2, OB-cadherin (osteoblast) |
| CDH13 | NM_001220488.1 | CDHH P105 | cadherin 13, H-cadherin (heart) |
| CDH2 | NM_001792.3 | CD325 CDHN CDw325 NCAD | cadherin 2, type 1, N-cadherin (neuronal) |
| CDK14 | NM_012395.2 | PFTAIRE1 PFTK1 | cyclin-dependent kinase 14 |
| CDKN1A | NM_000389.2 | CAP20 CDKN1 CIP1 MDA-6 P21 SDI1 WAF1 p21CIP1 | cyclin-dependent kinase inhibitor 1A (p21, Cip1) |
| CDKN2A | NM_000077.3 | ARF CDK4I CDKN2 CMM2 INK4 INK4A MLM MTS-1 MTS1 P14 P14A | cyclin-dependent kinase inhibitor 2A |
| CDS1 | NM_001263.3 | CDS | CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 1 |
| CEACAM1 | NM_001712.3 | BGP BGP1 BGPI | carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) |
| CEACAM5 | NM_004363.2 | CD66e CEA | carcinoembryonic antigen-related cell adhesion molecule 5 |
| CEACAM6 | NM_002483.4 | CD66c CEAL NCA | carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross react |
| CEP170 | NM_001042404.1 | FAM68A KAB KIAA0470 | centrosomal protein 170kDa |
| CEP295 | NM_033395.1 | | |
| CFP | NM_002621.2 | BFD PFC PFD PROPERDIN | complement factor properdin |
| CGN | NM_020770.2 | - | cingulin |
| CHAD | NM_001267.2 | SLRR4A | chondroadherin |
| CHD4 | NM_001273.2 | Mi-2b Mi2-BETA | chromodomain helicase DNA binding protein 4 |
| CHI3L1 | NM_001276.2 | ASRT7 CGP-39 GP-39 GP39 HC-gp39 HCGP-3P YKL-40 YKL40 YYL | chitinase 3-like 1 (cartilage glycoprotein-39) |
| CHP1 | XM_005254140.1 | CHP SLC9A1BP Sid470p p22 p24 | calcineurin-like EF hand protein 1 |
| CHP2 | NM_022097.3 | - | calcineurin-like EF hand protein 2 |
| CHRD1 | NM_001143981.1 | CHL NRLN1 VOPT da141H5.1 | chordin-like 1 |
| CHRNA7 | NR_046324.1 | CHRNA7-2 NACHRA7 | cholinergic receptor, nicotinic, alpha 7 (neuronal) |
| CIB1 | NM_001277764.1 | CIB KIP KIP1 SIP2-28 | calcium and integrin binding 1 (calmyrin) |
| CKMT1A | NM_001015001.1 | CKMT1 | creatine kinase, mitochondrial 1A |
| CLDN1 | NM_021101.3 | CLD1 ILVASC SEMP1 | claudin 1 |
| CLDN3 | NM_001306.3 | C7orf1 CPE-R2 CPETR2 HRVP1 RVP1 | claudin 3 |
| CLDN4 | NM_001305.3 | CPE-R CPEP CPETR CPETR1 WBSCR8 hCPE-R | claudin 4 |
| CLDN7 | NM_001307.3 | CEPTL2 CLDN-7 CPETRL2 Hs.84359 claudin-1 | claudin 7 |
| CLEC2B | NM_005127.2 | AICL CLECSF2 HP10085 IFNNG1 | C-type lectin domain family 2, member B |
| CLEC3B | NM_003278.2 | TN TNA | C-type lectin domain family 3, member B |
| CLIC4 | NM_013943.2 | CLIC4L H1 MTCLIC huH1 p64H1 | chloride intracellular channel 4 |
| CLU | NM_203339.2 | APO-J APOJ CLI KUB1 NA1 NA2 SGP-2 SGP2 SP-40 TRPM-2 TRPM | clusterin |
| CMA1 | NM_001836.2 | CYH MCT1 chymase | chymase 1, mast cell |
| CNN1 | NM_001299.4 | SMCC Sm-Calp | calponin 1, basic, smooth muscle |
| COL18A1 | NM_030582.3 | KNO KNO1 KS | collagen, type XVIII, alpha 1 |
| COL1A1 | NM_000088.3 | OI4 | collagen, type I, alpha 1 |
| COL1A2 | NM_000089.3 | OI4 | collagen, type I, alpha 2 |
| COL3A1 | NM_000090.3 | EDS4A | collagen, type III, alpha 1 |
| COL4A1 | NM_001845.4 | HANAC POREN1 arresten | collagen, type IV, alpha 1 |
| COL4A2 | NM_001846.2 | ICH POREN2 | collagen, type IV, alpha 2 |
| COL4A6 | NM_001847.2 | CXDELq22.3 DELXq22.3 | collagen, type IV, alpha 6 |
| COL5A1 | NM_000093.3 | - | collagen, type V, alpha 1 |
| COL5A2 | NM_000393.3 | - | collagen, type V, alpha 2 |
| COL6A1 | NM_001848.2 | OPLL | collagen, type VI, alpha 1 |
| COL6A2 | NM_001849.2 | PP3610 | collagen, type VI, alpha 2 |
| COL6A3 | NM_004369.3 | - | collagen, type VI, alpha 3 |
| COL7A1 | NM_000094.2 | EBD1 EBDCT EBR1 | collagen, type VII, alpha 1 |
| COMP | NM_000095.2 | EDM1 EPD1 MED PSACH THBS5 | cartilage oligomeric matrix protein |
| CREBBP | NM_001079846.1 | CBP KAT3A RSTS | CREB binding protein |
| CRIP2 | NM_001270837.1 | CRIP CRP2 ESP1 | cysteine-rich protein 2 |
| CRISPLD2 | NM_031476.3 | CRISP11 LCRISP2 | cysteine-rich secretory protein LCCL domain containing 2 |
| CSF2RB | NM_000395.2 | CD131 CDw131 IL3RB IL5RB SMDP5 | colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage) |
| CSPG4 | NM_001897.4 | HMW-MAA MCSP MCSPG MEL-CSPG MSK16 NG2 | chondroitin sulfate proteoglycan 4 |
| CST7 | NM_003650.3 | CMAF | cystatin F (leukocystatin) |
| CTNNB1 | NM_001098210.1 | CTNNB | catenin (cadherin-associated protein), beta 1, 88kDa |
| CTNND1 | NM_001331.2 | CAS CTNND P120CAS P120CTN p120 p120(CAS) p120(CTN) | catenin (cadherin-associated protein), delta 1 |
| CTSG | NM_001911.2 | CATG CG | cathepsin G |
| CTSH | NM_148979.2 | ACC-4 ACC-5 CPSB minichain | cathepsin H |
| CTSK | NM_000396.2 | CTS02 CTSO CTSO1 CTSO2 PKND PYCD | cathepsin K |
| CTSL | NM_001912.4 | | |
| CUL1 | NM_003592.2 | - | cullin 1 |
| CX3CL1 | NM_002996.3 | ABCD-3 C3Xkine CXC3 CXC3C NTN NTT SCYD1 fractalkine neuro | chemokine (C-X3-C motif) ligand 1 |
| CXADR | NM_001338.3 | CAR CAR4/6 HCAR | coxsackie virus and adenovirus receptor |
| CXCL10 | NM_001565.1 | C7 IFI10 INP10 IP-10 SCYB10 crg-2 gIP-10 mob-1 | chemokine (C-X-C motif) ligand 10 |
| CXCL11 | NM_005409.3 | H174 I-TAC IP-9 IP9 SCYB11 SCYB9B b-R1 | chemokine (C-X-C motif) ligand 11 |
| CXCL12 | NM_199168.3 | IRH PBSF SCYB12 SDF1 SDF1A SDF1B TLSF TPAR1 | chemokine (C-X-C motif) ligand 12 |

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| CXCL13 | NM_006419.2 | ANGIE ANGIE2 BCA-1 BCA1 BLC BLR1L SCYB13 | chemokine (C-X-C motif) ligand 13 |
| CXCL17 | NM_198477.1 | DMC Dcip1 UNQ473 VCC-1 VCC1 | chemokine (C-X-C motif) ligand 17 |
| CXCL8 | NM_000584.2 | | |
| CXCR2 | NM_001168298.1 | CD182 CDw128b CMKAR2 IL8R2 IL8RA IL8RB | chemokine (C-X-C motif) receptor 2 |
| CXCR3 | NM_001504.1 | CD182 CD183 CKR-L2 CMKAR3 GPR9 IP10-R Mig-R MigR | chemokine (C-X-C motif) receptor 3 |
| CXCR4 | NM_003467.2 | CD184 D2S201E FB22 HM89 HSY3RR LAP3 LCR1 LESTR NPY3R NPY3R | chemokine (C-X-C motif) receptor 4 |
| CYB561 | NM_001915.3 | FRRS2 | cytochrome b-561 |
| CYBB | NM_000397.3 | AMCBX2 CGD GP91-1 GP91-PHOX GP91PHOX NOX2 p91-PHOX | cytochrome b-245, beta polypeptide |
| CYP1B1 | NM_000104.3 | CP1B CYP1B1 GLC3A P4501B1 | cytochrome P450, family 1, subfamily B, polypeptide 1 |
| DAG1 | NM_001165928.2 | 156DAG A3a AGRNR DAG MDDGC7 | dystroglycan 1 (dystrophin-associated glycoprotein 1) |
| DCC | NM_005215.1 | CRC18 CRCR1 IGDCC1 | deleted in colorectal carcinoma |
| DCN | NM_001920.3 | CSCD DSPG2 PG40 PGII PGS2 SLRR1B | decorin |
| DDR2 | NM_006182.2 | MIG20a NTRKR3 TKT TYRO10 | discoidin domain receptor tyrosine kinase 2 |
| DENND5A | NM_015213.2 | RAB6IP1 | DENN/MADD domain containing 5A |
| DENR | NM_003677.3 | DRP DRP1 SMAP-3 | density-regulated protein |
| DESI1 | NM_015704.2 | D15Wsu75e DESI2 DJ347H13.4 DeSI-1 FAM152B PPPDE2 | desumoylating isopeptidase 1 |
| DICER1 | NM_177438.2 | DCR1 Dicer HERNA MNG1 | dicer 1, ribonuclease type III |
| DLC1 | NM_006094.3 | ARHGAP7 HP STARD12 p122-RhoGAP | deleted in liver cancer 1 |
| DLG1 | NM_001098424.1 | DLGH1 SAP-97 SAP97 dJ1061C18.1.1 hdlg | discs, large homolog 1 (Drosophila) |
| DLL4 | NM_019074.2 | hdelta2 | delta-like 4 (Drosophila) |
| DPT | NM_001937.3 | TRAMP | dermatopontin |
| DPYSL3 | NM_001387.2 | CRMP-4 CRMP4 DRP-3 DRP3 LCRMP ULIP ULIP-1 | dihydropyrimidinase-like 3 |
| DSC2 | NM_024422.3 | ARVD11 CDHF2 DG2 DGII/III DSC3 | desmocollin 2 |
| DST | NM_001723.4 | BP240 BPA BPAG1 CATX-15 CATX15 D6S1101 DMH DT HSAN6 MAC | dystonin |
| ECM1 | NM_004425.3 | - | extracellular matrix protein 1 |
| ECM2 | NM_001393.2 | - | extracellular matrix protein 2, female organ and adipocyte specific |
| ECSCR | NM_001077693.3 | ARIA ECSM2 | endothelial cell surface expressed chemotaxis and apoptosis regulator |
| EDN1 | NM_001955.2 | ET1 HDLCQ7 PPET1 | endothelin 1 |
| EGF | NM_001963.4 | HOMG4 URG | epidermal growth factor |
| EGFL7 | NM_016215.3 | NEU1 RP11-251M1.2 VE-STATIN ZNEU1 | EGF-like-domain, multiple 7 |
| EGFR | NM_201282.1 | ERBB ERBB1 HER1 PIG61 mENA | epidermal growth factor receptor |
| EGLN2 | NM_053046.3 | EIT6 HIF-PH1 HIFPH1 HPH-1 HPH-3 PHD1 | egl nine homolog 2 (C. elegans) |
| EGLN3 | NM_022073.3 | HIFP4H3 HIFPH3 PHD3 | egl nine homolog 3 (C. elegans) |
| EIF2AK3 | NM_004836.5 | PEK PERK WRS | eukaryotic translation initiation factor 2-alpha kinase 3 |
| EIF4E2 | NM_004846.3 | 4E-LP 4EHP EIF4EL3 IF4e | eukaryotic translation initiation factor 4E family member 2 |
| EIF4EBP1 | NM_004095.3 | 4E-BP1 4EBP1 BP-1 PHAS-I | eukaryotic translation initiation factor 4E binding protein 1 |
| ELF3 | NM_001114309.1 | EPR-1 ERT ESE-1 ESX | E74-like factor 3 (ets domain transcription factor, epithelial-specific) |
| ELK3 | NM_005230.2 | ERP NET SAP2 | ELK3, ETS-domain protein (SRF accessory protein 2) |
| EMCN | NM_016242.3 | EMCN2 MUC14 | endomucin |
| EMILIN1 | XM_006711928.1 | EMI EMILIN gp115 | elastin microfibril interfacier 1 |
| EMILIN3 | NM_052846.1 | C20orf130 EMILIN5 dJ620E11.4 | elastin microfibril interfacier 3 |
| EMP3 | NM_001425.2 | YMP | epithelial membrane protein 3 |
| ENO1 | NM_001428.2 | ENO1L1 MPB1 NNE PPH | enolase 1, (alpha) |
| ENO2 | NM_001975.2 | NSE | enolase 2 (gamma, neuronal) |
| ENO3 | NM_001976.4 | GSD13 MSE | enolase 3 (beta, muscle) |
| ENPEP | NM_001977.3 | APA CD249 gp160 | glutamyl aminopeptidase (aminopeptidase A) |
| ENPP2 | NM_001040092.2 | ATX ATX-X AUTOTAXIN LysoPLD NPP2 PD-IALPHA PDNP2 | ectonucleotide pyrophosphatase/phosphodiesterase 2 |
| EP300 | NM_001429.2 | KAT3B RSTS2 p300 | E1A binding protein p300 |
| EPAS1 | NM_001430.3 | ECYT4 HIF2A HLF MOP2 PASD2 bHLHe73 | endothelial PAS domain protein 1 |
| EPCAM | NM_002354.1 | DIAR5 EGP-2 EGP314 EGP40 ESA HNPC8 KS1/4 KSA M4S1 MIC18 | epithelial cell adhesion molecule |
| EPHA1 | NM_005232.3 | EPH EPHT EPHT1 | EPH receptor A1 |
| EPHA2 | NM_004431.2 | ARCC2 CTPA CTPP1 ECK | EPH receptor A2 |
| EPHB1 | NM_004441.3 | ELK EPHT2 Hek6 NET | EPH receptor B1 |
| EPHB3 | NM_004443.3 | ETK2 HEK2 TYRO6 | EPH receptor B3 |
| EPHB4 | NM_004444.4 | HTK MYK1 TYRO11 | EPH receptor B4 |
| EPN3 | NM_017957.2 | - | epsin 3 |
| EPS8L1 | NM_017729.3 | DRC3 EPS8R1 | EPS8-like 1 |
| ERBB2 | NM_001005862.1 | CD340 HER-2 HER-2/neu HER2 MLN 19 NEU NGL TKR1 | v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma de |
| ERBB2IP | NM_018695.2 | ERBIN LAP2 | erb2 interacting protein |
| ERBB3 | NM_001005915.1 | ErbB-3 HER3 LCCS2 MDA-BF-1 c-erbB-3 c-erbB3 erbB3-S p180-Ert | v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian) |
| EREG | NM_001432.2 | ER | epiregulin |
| ERMP1 | NM_024896.2 | FXNA KIAA1815 bA207C16.3 | endoplasmic reticulum metalloproteinase 1 |
| ESRP1 | NM_001034915.2 | RBM35A RMB35A | epithelial splicing regulatory protein 1 |
| ETV4 | NM_001079675.1 | E1A-F E1AF PEA3 PEAS3 | ets variant 4 |
| EVI2A | NM_014210.3 | EVDA EVI-2A EVI2 | ecotropic viral integration site 2A |
| EVPL | NM_001988.2 | EVPK | envoplakin |
| F11R | NM_144503.1 | CD321 JAM JAM1 JAMA JCAM KAT PAM-1 | F11 receptor |
| F3 | NM_001993.3 | CD142 TF TFA | coagulation factor III (thromboplastin, tissue factor) |
| FAM174B | NM_207446.2 | - | family with sequence similarity 174, member B |
| FAP | NM_004460.2 | DPPIV FAPA | fibroblast activation protein, alpha |
| FASLG | NM_000639.1 | ALPS1B APT1LG1 CD178 CD95-L CD95L FASL TNFSF6 | Fas ligand (TNF superfamily, member 6) |
| FBLN1 | NM_006487.2 | FBLN FIBL1 | fibulin 1 |
| FBLN5 | NM_006329.3 | ADCL2 ARCL1A ARMD3 DANCE EVEC FIBL-5 UP50 | fibulin 5 |
| FBN1 | NM_000138.3 | ACMICD ECTOL1 FBN GPHYSD2 MASS MFS1 OCTD SGS SSKS WMS | fibrillin 1 |
| FBN2 | NM_001999.3 | CCA DA9 | fibrillin 2 |
| FBP1 | NM_000507.3 | FBP | fructose-1,6-bisphosphatase 1 |
| FERMT2 | NM_001135000.1 | KIND2 MIG2 PLEKHC1 UNC112 UNC112B mig-2 | fermitin family member 2 |
| FGF18 | NM_003862.1 | FGF-18 ZFGF5 | fibroblast growth factor 18 |
| FGF2 | NM_002006.4 | BFGF FGF-2 FGFB HBGF-2 | fibroblast growth factor 2 (basic) |
| FGF9 | NM_002010.2 | GAF HBFG-9 SYNS3 | fibroblast growth factor 9 (glia-activating factor) |
| FGFR1 | NM_015850.2 | BFGFR CD331 CEK FGFBR FGFR-1 FLG FLT-2 FLT2 HBGFR KAL2 N | fibroblast growth factor receptor 1 |
| FGFR2 | NM_000141.4 | BBDS BEK BFR-1 CD332 CEK3 CFD1 ECT1 JWS K-SAM KGFR TK14 | fibroblast growth factor receptor 2 |
| FGFR3 | NM_022965.2 | ACH CD333 CEK2 HSFGFR3EX JTK4 | fibroblast growth factor receptor 3 |
| FGFR4 | NM_002011.3 | CD334 JTK2 TKF | fibroblast growth factor receptor 4 |

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| FGL2 | NM_006682.2 | T49 pT49 | fibrinogen-like 2 |
| FHL1 | NM_001449.4 | FHL-1 FHL1A FHL1B FLH1A KYOT SLIM SLIM-1 SLIM1 SLIMMER XN | four and a half LIM domains 1 |
| FIGF | NM_004469.2 | VEGF-D VEGFD | c-fos induced growth factor (vascular endothelial growth factor D) |
| FLI1 | NM_001167681.2 | EWSR2 SIC-1 | Friend leukemia virus integration 1 |
| FLT1 | NM_002019.4 | FLT FLT-1 VEGFR-1 VEGFR1 | fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor 1) |
| FLT4 | NM_002020.1 | FLT41 LMPH1A PCL VEGFR3 | fms-related tyrosine kinase 4 |
| FMOD | NM_002023.3 | SLRR2E | fibromodulin |
| FN1 | NM_212482.1 | CIG ED-B FINC FN FNZ GFND GFND2 LETS MSF | fibronectin 1 |
| FOXC2 | NM_005251.2 | FKHL14 LD MFH-1 MFH1 | forkhead box C2 (MFH-1, mesenchyme forkhead 1) |
| FOXO4 | NM_005938.2 | AFX AFX1 MLLT7 | forkhead box O4 |
| FRAS1 | NM_001166133.1 | - | Fraser syndrome 1 |
| FREM1 | NM_001177704.1 | BNAR C9orf143 C9orf145 C9orf154 MOTA TILRR TRIGNO2 | FRAS1 related extracellular matrix 1 |
| FREM2 | NM_207361.4 | - | FRAS1 related extracellular matrix protein 2 |
| FST | NM_006350.2 | FS | follistatin |
| FSTL1 | NM_007085.4 | FRP FSL1 | follistatin-like 1 |
| FUT3 | NM_000149.3 | CD174 FT3B FucT-III LE Les | fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group) |
| FXYD6 | NM_001164831.1 | - | FXYD domain containing ion transport regulator 6 |
| GALNT7 | NM_017423.2 | GALNAC-T7 GalNAcT7 | UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 7 |
| GATA4 | NM_002052.3 | ASD2 VSD1 | GATA binding protein 4 |
| GDF15 | NM_004864.2 | GDF-15 MIC-1 MIC1 NAG-1 PDF PLAB PTGFB | growth differentiation factor 15 |
| GDF5 | NM_000557.2 | BMP14 CDMP1 LAP4 OS5 SYNS2 | growth differentiation factor 5 |
| GDF6 | NM_001001557.2 | BMP13 CDMP2 KFM KFS KFS1 KFSL MCOP4 MCOPCB6 SCDO4 SGM | growth differentiation factor 6 |
| GIMAP4 | NM_018326.2 | IAN-1 IAN1 IMAP4 | GTPase, IMAP family member 4 |
| GIMAP6 | NR_024115.1 | IAN-2 IAN-6 IAN2 IAN6 | GTPase, IMAP family member 6 |
| GJA5 | NM_005266.5 | ATFB11 CX40 | gap junction protein, alpha 5, 40kDa |
| GLYR1 | NM_032569.3 | BM045 HIBDL N-PAC NP60 | glyoxylate reductase 1 homolog (Arabidopsis) |
| GPI | NM_000175.2 | AMF GNPI NLK PGI PHI SA-36 SA36 | glucose-6-phosphate isomerase |
| GPR124 | NM_032777.9 | TEM5 | G protein-coupled receptor 124 |
| GPR56 | NM_005682.4 | BFPP TM7LN4 TM7XN1 | G protein-coupled receptor 56 |
| GPX1 | NM_000581.2 | GPXD GSHPX1 | glutathione peroxidase 1 |
| GREM1 | NM_013372.5 | CKTSF1B1 DAND2 DRM GREMLIN IHG-2 | gremlin 1 |
| GRHL2 | NM_024915.3 | BOM DFNA28 TFCP2L3 | grainyhead-like 2 (Drosophila) |
| GSN | NM_000177.4 | ADF AGEL | gelsolin |
| GTF2I | NM_033001.2 | BAP135 BTKAP1 DIWS GTFII-I IB291 SPIN TFII-I WBS WBSCR6 | general transcription factor Iii |
| GZMK | NM_002104.2 | TRYP2 | granzyme K (granzyme 3; tryptase II) |
| HAPLN1 | NM_001884.3 | CRTL1 | hyaluronan and proteoglycan link protein 1 |
| HAS1 | NM_001523.2 | HAS | hyaluronan synthase 1 |
| HDAC5 | NM_005474.4 | HD5 NY-CO-9 | histone deacetylase 5 |
| HDHD3 | NM_031219.2 | 2810435D12Rik C9orf158 | haloacid dehalogenase-like hydrolase domain containing 3 |
| HEG1 | NM_020733.1 | HEG MST112 MSTP112 | HEG homolog 1 (zebrafish) |
| HGF | NM_000601.4 | DFNB39 F-TCF HGFB HPTA SF | hepatocyte growth factor (hepatoietin A; scatter factor) |
| HIF1A | NM_001530.2 | HIF-1A HIF-1alpha HIF1 HIF1-ALPHA MOP1 PASD8 bHLHe78 | hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor) |
| HIPK1 | NM_152696.3 | Myak Nbak2 | homeodomain interacting protein kinase 1 |
| HIPK2 | NM_022740.4 | PRO0593 | homeodomain interacting protein kinase 2 |
| HK2 | NM_000189.4 | HKII HXK2 | hexokinase 2 |
| HK3 | NM_002115.1 | HKIII HXK3 | hexokinase 3 (white cell) |
| HKDC1 | NM_025130.3 | - | hexokinase domain containing 1 |
| HLA-DPB1 | NM_002121.4 | DPB1 HLA-DP HLA-DP1B HLA-DPB | major histocompatibility complex, class II, DP beta 1 |
| HMOX1 | NM_002133.2 | HO-1 HSP32 bk286B10 | heme oxygenase (decycling) 1 |
| HOXA5 | NM_019102.2 | HOX1 HOX1.3 HOX1C | homeobox A5 |
| HOXA7 | NM_006896.3 | ANTP HOX1 HOX1.1 HOX1A | homeobox A7 |
| HOXB13 | NM_006361.5 | PSGD | homeobox B13 |
| HOXB3 | NM_002146.4 | HOX2 HOX2G Hox-2.7 | homeobox B3 |
| HPSE | NM_006665.3 | HPA HPA1 HPR1 HPSE1 HSE1 | heparanase |
| HRAS | NM_005343.2 | C-BAS HAS C-H-RAS C-HA-RAS1 CTLO H-RASIDX HAMSV HRAS1 K- | v-Ha-ras Harvey rat sarcoma viral oncogene homolog |
| HSD17B12 | NM_016142.2 | KAR SDR12C1 | hydroxysteroid (17-beta) dehydrogenase 12 |
| HSP90B1 | NM_003299.1 | ECGP GP96 GRP94 TRA1 | heat shock protein 90kDa beta (Grp94), member 1 |
| HSPB1 | NM_001540.3 | CMT2F HMN2B HS.76067 HSP27 HSP28 Hsp25 SRP27 | heat shock 27kDa protein 1 |
| HSPG2 | NM_005529.5 | HSPG PLC PRCAN SJA SJS SJS1 | heparan sulfate proteoglycan 2 |
| HUNK | NM_014586.1 | - | hormonally up-regulated Neu-associated kinase |
| IBSP | NM_004967.3 | BNSP BSP BSP-II SP-II | integrin-binding sialoprotein |
| ICAM1 | NM_000201.2 | BB2 CD54 P3.58 | intercellular adhesion molecule 1 |
| ID1 | NM_002165.2 | ID bHLHb24 | inhibitor of DNA binding 1, dominant negative helix-loop-helix protein |
| ID2 | NM_002166.4 | GIG8 ID2A ID2H bHLHb26 | inhibitor of DNA binding 2, dominant negative helix-loop-helix protein |
| ID4 | NM_001546.2 | IDB4 bHLHb27 | inhibitor of DNA binding 4, dominant negative helix-loop-helix protein |
| IFNG | NM_000619.2 | IFG IFI | interferon, gamma |
| IGF1 | NM_000618.3 | IGF-I IGF1A IGFI | insulin-like growth factor 1 (somatomedin C) |
| IGFBP4 | NM_001552.2 | BP-4 HT29-IGFBP IBP4 IGFBP-4 | insulin-like growth factor binding protein 4 |
| IGFBP7 | NM_001553.1 | AGM FSTL2 IBP-7 IGFBP-7 IGFBP-7v IGFBPRP1 MAC25 PSF RAMSV | insulin-like growth factor binding protein 7 |
| IL10RA | NM_001558.2 | CD210 CD210a CDW210A HIL-10R IL-10R1 IL10R | interleukin 10 receptor, alpha |
| IL11 | NM_000641.2 | AGIF IL-11 | interleukin 11 |
| IL13RA2 | NM_000640.2 | CD213A2 CT19 IL-13R IL13BP | interleukin 13 receptor, alpha 2 |
| IL15 | NM_172174.1 | IL-15 | interleukin 15 |
| IL18 | NM_001562.2 | IGIF IL-18 IL-1g IL1F4 | interleukin 18 (interferon-gamma-inducing factor) |
| IL1A | NM_000575.3 | IL-1A IL1 IL1-ALPHA IL1F1 | interleukin 1, alpha |
| IL1B | NM_000576.2 | IL-1 IL1-BETA IL1F2 | interleukin 1, beta |
| IL1RL1 | NM_016232.4 | DER4 FIT-1 IL33R ST2 ST2L ST2V T1 | interleukin 1 receptor-like 1 |
| IL1RN | NM_000577.3 | DIRA ICIL-1RA IL-1RN IL-1ra IL-1ra3 IL1F3 IL1RA IRAP MVCD4 | interleukin 1 receptor antagonist |
| IL6 | NM_000600.1 | BSF2 HGF HSF IFNB2 IL-6 | interleukin 6 (interferon, beta 2) |
| ILK | NM_004517.2 | ILK-2 P59 | integrin-linked kinase |
| INHBA | NM_002192.2 | EDF FRP | inhibin, beta A |
| INHBE | NM_031479.3 | - | inhibin, beta E |
| IRF6 | NM_006147.2 | LPS OFC6 PIT PPS VWS VWS1 | interferon regulatory factor 6 |
| ISL1 | NM_002202.2 | ISLET1 Isl-1 | ISL LIM homeobox 1 |

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| ISLR | NM_005545.3 | HsT17563 | immunoglobulin superfamily containing leucine-rich repeat |
| ITGA1 | NM_181501.1 | CD49a VLA1 | integrin, alpha 1 |
| ITGA11 | NM_012211.3 | HsT18964 | integrin, alpha 11 |
| ITGA2 | NM_002203.2 | BDPLT9 BR CD49B GPIa HPA-5 VLA-2 VLA2 | integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor) |
| ITGA3 | NM_002204.2 | CD49C GAP-B3 GAPB3 MSK18 VCA-2 VL3A VLA3a | integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor) |
| ITGA5 | NM_002205.2 | CD49e FNRA VLA5A | integrin, alpha 5 (fibronectin receptor, alpha polypeptide) |
| ITGA6 | NM_000210.1 | CD49f ITGA6B VLA-6 | integrin, alpha 6 |
| ITGA7 | NM_002206.1 | - | integrin, alpha 7 |
| ITGA8 | NM_003638.1 | - | integrin, alpha 8 |
| ITGA9 | NM_002207.2 | ALPHA-RLC ITGA4L RLC | integrin, alpha 9 |
| ITGAM | NM_000632.3 | CD11B CR3A MAC-1 MAC1A MO1A SLEB6 | integrin, alpha M (complement component 3 receptor 3 subunit) |
| ITGB1 | NM_033666.2 | CD29 FNRB GPIIA MDF2 MSK12 VLA-BETA VLAB | integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MD1) |
| ITGB1BP1 | NM_004763.3 | ICAP-1A ICAP-1B ICAP-1alpha ICAP1 ICAP1A ICAP1B | integrin beta 1 binding protein 1 |
| ITGB2 | NM_000211.2 | CD18 LAD LCAMB LFA-1 MAC-1 MF17 MF17 | integrin, beta 2 (complement component 3 receptor 3 and 4 subunit) |
| ITGB3 | NM_000212.2 | BDPLT2 CD61 GP3A GPIIIa GT | integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61) |
| ITGB4 | NM_001005731.1 | CD104 | integrin, beta 4 |
| ITGB6 | NM_000888.3 | - | integrin, beta 6 |
| ITGB7 | NM_000889.1 | - | integrin, beta 7 |
| ITGB8 | NM_002214.2 | - | integrin, beta 8 |
| ITM2A | NM_004867.4 | BRICD2A E25A | integral membrane protein 2A |
| JAG1 | NM_000214.2 | AGS AHD AWS CD339 HJ1 JAGL1 | jagged 1 |
| JAM2 | NM_001270407.1 | C21orf43 CD322 JAM-B JAMB PRO245 VE-JAM VEJAM | junctional adhesion molecule 2 |
| JAM3 | NM_032801.3 | JAM-2 JAM-3 JAM-C JAMC | junctional adhesion molecule 3 |
| JUN | NM_002228.3 | AP-1 AP1 c-Jun | jun proto-oncogene |
| KCNJ8 | NM_004982.2 | KIR6.1 uKATP-1 | potassium inwardly-rectifying channel, subfamily J, member 8 |
| KDM1A | NM_015013.3 | AOF2 BHC110 KDM1 LSD1 | lysine (K)-specific demethylase 1A |
| KDR | NM_002253.2 | CD309 FLK1 VEGFR VEGFR2 | kinase insert domain receptor (a type III receptor tyrosine kinase) |
| KIAA1462 | NM_020848.2 | JCAD | KIAA1462 |
| KISS1 | NM_002256.3 | KiSS-1 | KiSS-1 metastasis-suppressor |
| KLK3 | NM_001030049.1 | APS KLK2A1 PSA hK3 | kallikrein-related peptidase 3 |
| KRAS | NM_004985.3 | C-K-RAS K-RAS2A K-RAS2B K-RAS4A K-RAS4B KI-RAS KRAS1 KRAS2 | v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog |
| KRIT1 | NM_004912.3 | CAM CCM1 | KRIT1, ankyrin repeat containing |
| KRT1 | NM_006121.2 | CK1 EHK EHK1 EPPK K1 KRT1A NEPPK | keratin 1 |
| KRT14 | NM_000526.4 | CK14 EBS3 EBS4 K14 NFJ | keratin 14 |
| KRT19 | NM_002276.4 | CK19 K19 K1CS | keratin 19 |
| KRT7 | NM_005556.3 | CK7 K2C7 K7 SCL | keratin 7 |
| LAD1 | NM_005558.3 | LadA | ladinin 1 |
| LAMA1 | NM_005559.2 | LAMA S-LAM-alpha | laminin, alpha 1 |
| LAMA3 | NM_000227.3 | BM600 E170 LAMNA LOCS lama3a | laminin, alpha 3 |
| LAMA4 | NM_001105209.1 | LAMA3 LAMA4*-1 | laminin, alpha 4 |
| LAMA5 | NM_005560.3 | - | laminin, alpha 5 |
| LAMB3 | NM_000228.2 | BM600-125KDA LAM5 LAMNB1 | laminin, beta 3 |
| LAMC1 | NM_002293.3 | LAMB2 | laminin, gamma 1 (formerly LAMB2) |
| LAMC2 | NM_005562.2 | B2T BM600 CSF EBR2 EBR2A LAMB2T LAMNB2 | laminin, gamma 2 |
| LDHA | NM_001165414.1 | GSD11 LDH1 LDHM | lactate dehydrogenase A |
| LEFTY1 | NM_020997.2 | LEFTB LEFTYB | left-right determination factor 1 |
| LGALS1 | NM_002305.3 | GAL1 GBP | lectin, galactoside-binding, soluble, 1 |
| LHFP | NM_005780.2 | - | lipoma HMGIC fusion partner |
| LIFR | NM_002310.3 | CD118 LIF-R SJS2 STWS SWS | leukemia inhibitory factor receptor alpha |
| LLGL2 | NM_001015002.1 | HGL LGL2 | lethal giant larvae homolog 2 (Drosophila) |
| LOX | NM_002317.4 | - | lysyl oxidase |
| LOXL2 | NM_002318.2 | LOR2 WS9-14 | lysyl oxidase-like 2 |
| LRG1 | NM_052972.2 | HMFT1766 LRG | leucine-rich alpha-2-glycoprotein 1 |
| LTBP4 | NM_003573.2 | LTBP-4 LTBP4L LTBP4S | latent transforming growth factor beta binding protein 4 |
| LUM | NM_002345.3 | LDC SLRR2D | lumican |
| LY96 | NM_015364.2 | ESOP-1 MD-2 MD2 ly-96 | lymphocyte antigen 96 |
| MAF | NM_005360.4 | CCA4 c-MAF | v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian) |
| MAP2K1 | NM_002755.2 | MAPKK1 MEK1 MKK1 PRKMK1 | mitogen-activated protein kinase kinase 1 |
| MAP2K2 | NM_030662.3 | MAPKK2 MEK2 MKK2 PRKMK2 | mitogen-activated protein kinase kinase 2 |
| MAP2K4 | NM_003010.2 | JNKK JNKK1 MAPKK4 MEK4 MKK4 PRKMK4 SAPKK-1 SAPKK1 SEK1 | mitogen-activated protein kinase kinase 4 |
| MAP3K7 | NM_145333.1 | MEKK7 TAK1 TGF1a | mitogen-activated protein kinase kinase kinase 7 |
| MAPK1 | NM_138957.2 | ERK ERK2 ERT1 MAPK2 P42MAPK PRKM1 PRKM2 p38 p40 p41 p4 | mitogen-activated protein kinase 1 |
| MAPK3 | NM_001040056.1 | ERK-1 ERK1 ERT2 HS44KDAP HUMKER1A P44ERK1 P44MAPK PRKM | mitogen-activated protein kinase 3 |
| MAPKAPK3 | NM_004635.3 | 3PK MAPKAP-K3 MAPKAP3 MAPKAPK-3 MK-3 | mitogen-activated protein kinase-activated protein kinase 3 |
| MCAM | NM_006500.2 | CD146 MUC18 | melanoma cell adhesion molecule |
| MED1 | NM_004774.3 | CRSP1 CRSP200 DRIP205 DRIP230 PBP PPARBP PPARGBP RB18A T | mediator complex subunit 1 |
| MED23 | NM_004830.2 | ARC130 CRSP130 CRSP133 CRSP3 DRIP130 MRT18 SUR-2 SUR2 | mediator complex subunit 23 |
| MEG3 | NR_002766.2 | FP504 GTL2 LINC00023 NCRNA00023 PRO0518 PRO2160 prebp1 | maternally expressed 3 (non-protein coding) |
| MEOX2 | NM_005924.4 | GAX MOX2 | mesenchyme homeobox 2 |
| MET | NM_001127500.1 | AUTS9 HGFR RCCP2 c-Met | met proto-oncogene (hepatocyte growth factor receptor) |
| MFAP4 | NM_002404.1 | - | microfibrillar-associated protein 4 |
| MGAT5 | NM_002410.4 | GNT-V GNT-VA | mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase |
| MGP | NM_000900.2 | MGLAP NTI | matrix Gla protein |
| MISP | NM_173481.2 | - | |
| MMP1 | NM_002421.2 | CLG CLGN | matrix metalloproteinase 1 (interstitial collagenase) |
| MMP10 | NM_002425.1 | SL-2 STMY2 | matrix metalloproteinase 10 (stromelysin 2) |
| MMP12 | NM_002426.3 | HME ME MME MMP-12 | matrix metalloproteinase 12 (macrophage elastase) |
| MMP13 | NM_002427.2 | CLG3 MANDP1 | matrix metalloproteinase 13 (collagenase 3) |
| MMP14 | NM_004995.2 | 1 MMP-14 MMP-X1 MT-MMP MT-MMP 1 MT1-MMP MT1MMP MTMMP | matrix metalloproteinase 14 (membrane-inserted) |
| MMP17 | NM_016155.4 | MT4-MMP | matrix metalloproteinase 17 (membrane-inserted) |
| MMP2 | NM_004530.2 | CLG4 CLG4A MMP-II MONA TBE-1 | matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase) |
| MMP24 | NM_006690.3 | MMP25 MT-MMP5 MT5-MMP | matrix metalloproteinase 24 (membrane-inserted) |
| MMP3 | NM_002422.3 | CHDS6 MMP-3 SL-1 STMY STMY1 STR1 | matrix metalloproteinase 3 (stromelysin 1, progelatinase) |
| MMP9 | NM_004994.2 | CLG4B GELB MANDP2 MMP-9 | matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) |

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| MMRN2 | NM_024756.2 | EMILIN-3 EMILIN3 EndoGlyx-1 | multimerin 2 |
| MPDZ | NM_003829.4 | MUPP1 | multiple PDZ domain protein |
| MRC1 | NM_002438.2 | CD206 CLEC13D CLEC13DL MMR MRC1L1 ba541119.1 | mannose receptor, C type 1 |
| MS4A4A | NM_024021.2 | 4SPAN1 CD20-L1 CD20L1 MS4A4 MS4A7 | membrane-spanning 4-domains, subfamily A, member 4A |
| MS4A6A | NM_152852.2 | 4SPAN3 4SPAN3.2 CD20L3 MS4A6 MST090 MSTP090 | membrane-spanning 4-domains, subfamily A, member 6A |
| MT3 | NM_005954.2 | GIF GIFB GRIF ZnMT3 | metallothionein 3 |
| MTA1 | NM_004689.2 | - | metastasis associated 1 |
| MTBP | NM_022045.4 | MDM2BP | Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse) binding |
| MTDH | NM_178812.3 | 3D3 AEG-1 AEG1 LYRIC LYRIC/3D3 | metadherin |
| MTOR | NM_004958.2 | FRAP FRAP1 FRAP2 RAFT1 RAP1 | mechanistic target of rapamycin (serine/threonine kinase) |
| MUC1 | NM_001018017.1 | CD227 EMA H23AG KL-6 MAM6 MUC-1 MUC-1/SEC MUC-1/X MUC | mucin 1, cell surface associated |
| MYC | NM_002467.3 | MRTL bHLHe39 c-Myc | v-myc myelocytomatosis viral oncogene homolog (avian) |
| MYCL | NM_001033081.2 | | |
| MYH11 | NM_001040113.1 | AAT4 FAA4 SMHC SMMHC | myosin, heavy chain 11, smooth muscle |
| MYLK | NM_053032.2 | AAT7 KRP MLCK MLCK1 MLCK108 MLCK210 MSTP083 MYLK1 smM | myosin light chain kinase |
| MYO1D | NM_015194.1 | myr4 | myosin ID |
| MYO5C | NM_018728.2 | - | myosin VC |
| NAA15 | NM_057175.3 | Ga19 NARG1 NATH TBDN100 | N(alpha)-acetyltransferase 15, NatA auxiliary subunit |
| NAP1L3 | NM_004538.4 | MB20 NPL3 | nucleosome assembly protein 1-like 3 |
| NCAM1 | NM_000615.5 | CD56 MSK39 NCAM | neural cell adhesion molecule 1 |
| NCL | NM_005381.2 | C23 | nucleolin |
| NDNF | NM_024574.3 | C4orf31 | neuron-derived neurotrophic factor |
| NDP | NM_000266.2 | EVR2 FEVR ND | Norrie disease (pseudoglioma) |
| NDRG1 | NM_006096.2 | CAP43 CMT4D DRG-1 DRG1 GC4 HMSNL NDR1 NMSL PROXY1 RIT | N-myc downstream regulated 1 |
| NF1 | NM_000267.2 | NFNS VRNF WSS | neurofibromin 1 |
| NF2 | NM_181825.2 | ACN BANF SCH | neurofibromin 2 (merlin) |
| NFAT5 | NM_173214.1 | NF-AT5 NFATL1 NFATZ OREBP TONEBP | nuclear factor of activated T-cells 5, tonicity-responsive |
| NFATC2 | NM_012340.3 | NFAT1 NFATP | nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 |
| NFKB1 | NM_003998.2 | EBP-1 KBF1 NF-kB1 NF-kappa-B NF-kappaB NFKB-p105 NFKB-p50 | nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 |
| NID2 | NM_007361.3 | NID-2 | nidogen 2 (osteonidogen) |
| NME1 | NM_000269.2 | AWD GAAD NB NBS NDKA NDPK-A NDPKA NM23 NM23-H1 | NME/NM23 nucleoside diphosphate kinase 1 |
| NME4 | NM_005009.2 | NDPK-D NM23H4 nm23-H4 | NME/NM23 nucleoside diphosphate kinase 4 |
| NODAL | NM_018055.3 | HTX5 | nodal homolog (mouse) |
| NOS2 | NM_153292.1 | HEP-NOS INOS NOS NOS2A | nitric oxide synthase 2, inducible |
| NOS3 | NM_000603.4 | ECNOS eNOS | nitric oxide synthase 3 (endothelial cell) |
| NOTCH1 | NM_017617.3 | TAN1 hN1 | notch 1 |
| NOX5 | NM_024505.2 | - | NADPH oxidase, EF-hand calcium binding domain 5 |
| NPR1 | NM_000906.2 | ANPRA ANPa GUC2A GUCY2A NPRA | natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide recept |
| NR3C1 | NM_001018077.1 | GCCR GCR GR GRL | nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor) |
| NR4A1 | NM_173157.1 | GFRP1 HMR N10 NAK-1 NGFIB NP10 NUR77 TR3 | nuclear receptor subfamily 4, group A, member 1 |
| NR4A3 | NM_173198.1 | CHN CSMF MINOR NOR1 TEC | nuclear receptor subfamily 4, group A, member 3 |
| NRCAM | NM_005010.4 | - | neuronal cell adhesion molecule |
| NRP1 | NM_003873.5 | BDCA4 CD304 NP1 NRP VEGF165R | neuropilin 1 |
| NRP2 | NM_003872.2 | NP2 NPN2 PRO2714 VEGF165R2 | neuropilin 2 |
| NRXN1 | NM_138735.2 | Hs.22998 PTHSL2 SCZD17 | neurexin 1 |
| NRXN3 | NM_001105250.1 | C14orf60 | neurexin 3 |
| NTRK1 | NM_001012331.1 | MTC TRK TRK1 TRKA Trk-A p140-TrkA | neurotrophic tyrosine kinase, receptor, type 1 |
| OAS1 | NM_001032409.1 | IFI-4 OIAS OIASI | 2'-5'-oligoadenylate synthetase 1, 40/46kDa |
| OCLN | NM_002538.3 | BLCPMG | occludin |
| OGN | NM_014057.3 | OG OIF SLRR3A | osteoglycin |
| OLFML2B | NM_015441.1 | RP11-227F8.1 | olfactomedin-like 2B |
| OVOL2 | NM_021220.2 | EUROIMAGE566589 ZNF339 | ovo-like 2 (Drosophila) |
| P3H1 | NM_001146289.1 | | |
| P3H2 | NM_018192.2 | | |
| PCOLCE | NM_002593.3 | PCPE PCPE-1 PCPE1 | procollagen C-endopeptidase enhancer |
| PDCD10 | NM_145859.1 | CCM3 TFAR15 | programmed cell death 10 |
| PDCL3 | NM_024065.4 | HTPHLP PHLP2A PHLP3 VIAF VIAF1 | phosducin-like 3 |
| PDGFA | NM_002607.5 | PDGF-A PDGF1 | platelet-derived growth factor alpha polypeptide |
| PDGFC | NM_016205.2 | FALLOTEIN SCDGF | platelet derived growth factor C |
| PDGFRB | NM_002609.3 | CD140B JTK12 PDGFR PDGFR-1 PDGFR1 | platelet-derived growth factor receptor, beta polypeptide |
| PDK1 | NM_002610.3 | - | pyruvate dehydrogenase kinase, isozyme 1 |
| PDPN | NM_006474.4 | AGGRUS GP36 GP40 Gp38 HT1A-1 OTS8 PA2.26 T1A T1A-2 | podoplanin |
| PEBP4 | NM_144962.2 | CORK-1 CORK1 GWTM1933 PEBP-4 PRO4408 hPEBP4 | phosphatidylethanolamine-binding protein 4 |
| PECAM1 | NM_000442.3 | CD31 CD31/EndoCAM GPIIA' PECA1 PECAM-1 endoCAM | platelet/endothelial cell adhesion molecule 1 |
| PFKFB1 | NM_002625.2 | F6PK HL2K PFRX | 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1 |
| PFKFB4 | NM_004567.2 | - | 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 |
| PGK1 | NM_000291.2 | MIG10 PGKA | phosphoglycerate kinase 1 |
| PIK3CA | NM_006218.2 | CLOVE PI3K p110-alpha | phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha |
| PIK3CD | NM_005026.3 | P110DELTA PI3K p110D | phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit delta |
| PIK3CG | NM_002649.2 | PI3CG PI3K PI3Kgamma PIK3 | phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit gamma |
| PIK3R1 | NM_181504.2 | GRB1 p85 p85-ALPHA | phosphoinositide-3-kinase, regulatory subunit 1 (alpha) |
| PIK3R2 | NM_005027.2 | P85B p85 p85-BETA | phosphoinositide-3-kinase, regulatory subunit 2 (beta) |
| PIK3R5 | NM_001142633.1 | F73003815Rik FOAP-2 P101-PI3K p101 | phosphoinositide-3-kinase, regulatory subunit 5 |
| PIK3R6 | NM_001010855.3 | C17orf38 HsT41028 p84 p87(PIKAP) p87PIKAP | phosphoinositide-3-kinase, regulatory subunit 6 |
| PITX2 | NM_000325.5 | ARP1 Brx1 IDG2 IGDS IGDS2 IHG2 IRID2 Otlx2 PTX2 RGS RIEG R | paired-like homeodomain 2 |
| PKM | NM_182471.1 | CTHBP OIP3 PK3 PKM2 TCB THBP1 | pyruvate kinase, muscle |
| PKN1 | NM_213560.1 | DBK PAK-1 PAK1 PKN PKN-ALPHA PRK1 PRKCL1 | protein kinase N1 |
| PKNOX1 | NM_004571.3 | PREP1 pknox1c | PBX/knotted 1 homeobox 1 |
| PLA2G10 | NM_003561.1 | GXPLA2 GXPLA2 SPLA2 | phospholipase A2, group X |
| PLA2G2A | NM_000300.2 | MOM1 PLA2 PLA2B PLA2L PLA2S PLAS1 sPLA2 | phospholipase A2, group IIA (platelets, synovial fluid) |
| PLA2G2D | NM_001271814.1 | SPLASH sPLA2S | phospholipase A2, group IID |
| PLA2G3 | NM_015715.3 | GIII-SPLA2 SPLA2III | phospholipase A2, group III |
| PLAU | NM_002658.2 | ATF BDPLT5 QPD UPA URK u-PA | plasminogen activator, urokinase |
| PLAUR | NM_001005376.1 | CD87 U-PAR UPAR URKR | plasminogen activator, urokinase receptor |

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| PLCG1 | NM_002660.2 | NCKAP3 PLC-II PLC1 PLC148 PLCgamma1 | phospholipase C, gamma 1 |
| PLCG2 | NM_002661.2 | FCAS3 | phospholipase C, gamma 2 (phosphatidylinositol-specific) |
| PLEKHO1 | NM_016274.4 | CKIP-1 OC120 | pleckstrin homology domain containing, family O member 1 |
| PLS1 | NM_002670.2 | - | plastin 1 |
| PLXDC1 | NM_020405.4 | TEM3 TEM7 | plexin domain containing 1 |
| PLXNC1 | NM_005761.2 | CD232 PLXN-C1 VESPR | plexin C1 |
| PLXND1 | NM_015103.2 | PLEXD1 | plexin D1 |
| PMP22 | NM_000304.2 | CMT1A CMT1E DSS GAS-3 HMSNIA HNPP Sp110 | peripheral myelin protein 22 |
| PNPLA6 | NM_006702.3 | NTE NTEMND SPG39 iPLA2delta sws | patatin-like phospholipase domain containing 6 |
| POPODC3 | NM_022361.4 | POP3 RP11-99L11.2 ba355M14.1 | popeye domain containing 3 |
| POSTN | NM_001135935.1 | OSF-2 OSF2 PDLPOSTN PN RP11-412K4.1 periostin | periostin, osteoblast specific factor |
| PPFIBP2 | NM_003621.2 | Cclp1 | PTPRF interacting protein, binding protein 2 (liprin beta 2) |
| PPL | NM_002705.4 | - | periplakin |
| PPP1R16B | NM_015568.2 | ANKRD4 TIMAP | protein phosphatase 1, regulatory subunit 16B |
| PPP2CB | NM_001009552.1 | PP2Abeta PP2CB | protein phosphatase 2, catalytic subunit, beta isozyme |
| PPP2R1A | NM_014225.3 | PP2A-Aalpha PP2AAALPHA PR65A | protein phosphatase 2, regulatory subunit A, alpha |
| PPP3R1 | NM_000945.3 | CALNB1 CNB CNB1 | protein phosphatase 3, regulatory subunit B, alpha |
| PRELP | NM_002725.3 | MST161 MSTP161 SLRR2A | proline/arginine-rich end leucine-rich repeat protein |
| PRF1 | NM_005041.3 | FLH2 HPLH2 P1 PFN1 PFP | perforin 1 (pore forming protein) |
| PRKCB | NM_212535.1 | PKC-beta PKCB PRKCB1 PRKCB2 | protein kinase C, beta |
| PRKCG | NM_002739.3 | PKC-gamma PKCC PKCG SCA14 | protein kinase C, gamma |
| PRKCZ | NM_002744.4 | PKC-ZETA PKC2 | protein kinase C, zeta |
| PROK2 | NM_021935.3 | BV8 KAL4 MIT1 PK2 | prokineticin 2 |
| PROM1 | NM_006017.1 | AC133 CD133 CORD12 MCDR2 PROML1 RP41 STGD4 | prominin 1 |
| PRR15L | NM_024320.2 | ATAD4 | proline rich 15-like |
| PRSS22 | NM_022119.3 | BSSP-4 hBSSP-4 | protease, serine, 22 |
| PRSS8 | NM_002773.3 | CAP1 PROSTASIN | protease, serine, 8 |
| PTEN | NM_000314.4 | 10q23del BZS DEC GLM2 MHAM MMAC1 PTEN1 TEP1 | phosphatase and tensin homolog |
| PTGDS | NM_000954.5 | L-PGDS LPGDS PDS PGD2 PGDS PGDS2 | prostaglandin D2 synthase 21kDa (brain) |
| PTGIS | NM_000961.3 | CYP8 CYP8A1 PGIS PTGI | prostaglandin I2 (prostacyclin) synthase |
| PTGS2 | NM_000963.1 | COX-2 COX2 GRIPGHS PGG/HS PGHS-2 PHS-2 hCox-2 | prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) |
| PTK2 | NM_153831.2 | FADK FAK FAK1 FRNK PPP1R71 p125FAK pp125FAK | PTK2 protein tyrosine kinase 2 |
| PTK2B | NM_004103.3 | CADTK CAKB FADK2 FAK2 PKB PTK PYK2 RAFTK | PTK2B protein tyrosine kinase 2 beta |
| PTK6 | NM_005975.2 | BRK | PTK6 protein tyrosine kinase 6 |
| PTPRB | NM_002837.3 | HPTP-BETA HPTPB PTPB R-PTP-BETA VEPTP | protein tyrosine phosphatase, receptor type, B |
| PTPRC | NM_080923.2 | B220 CD45 CD45R GP180 L-CA LCA LY5 T200 | protein tyrosine phosphatase, receptor type, C |
| PTPRM | NM_002845.3 | PTPRL1 R-PTP-MU RPTPM RPTPU hR-PTPu | protein tyrosine phosphatase, receptor type, M |
| PTRF | NM_012232.5 | CAVIN CAVIN1 CGL4 cavin-1 | polymerase I and transcript release factor |
| PTTG1 | NM_004219.2 | EAP1 HPTTG PTTG TUTR1 | pituitary tumor-transforming 1 |
| PTX3 | NM_002852.3 | TNFAIP5 TSG-14 | pentraxin 3, long |
| PXDN | NM_012293.1 | D2S448 D2S448E MG50 PRG2 PXN VPO | peroxidase homolog (Drosophila) |
| PYCARD | NM_013258.3 | ASC CARD5 TMS TMS-1 TMS1 | PYD and CARD domain containing |
| QKI | NM_006775.2 | Hqk QK QK1 QK3 hqkl | QKI, KH domain containing, RNA binding |
| RAB25 | NM_020387.2 | CATX-8 RAB11C | RAB25, member RAS oncogene family |
| RAC1 | NM_198829.1 | Rac-1 TC-25 p21-Rac1 | ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein R) |
| RAC2 | NM_002872.3 | EN-7 Gx HSPC022 | ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein R) |
| RAF1 | NM_002880.3 | CRAF NS5 Raf-1 c-Raf | v-raf-1 murine leukemia viral oncogene homolog 1 |
| RAMP1 | NM_005855.2 | - | receptor (G protein-coupled) activity modifying protein 1 |
| RAMP2 | NM_005854.2 | - | receptor (G protein-coupled) activity modifying protein 2 |
| RB1 | NM_000321.1 | OSRC RB p105-Rb pRb pp110 | retinoblastoma 1 |
| RBL1 | NM_183404.1 | CP107 PRB1 p107 | retinoblastoma-like 1 (p107) |
| RBL2 | NM_005611.3 | P130 Rb2 | retinoblastoma-like 2 (p130) |
| RBM47 | NM_019027.3 | NET18 | RNA binding motif protein 47 |
| RBPJ | NM_015874.3 | CBF1 IGKJRB IGKJRB1 KBF2 RBP-J RBPJK RBPSUH SUH csl | recombination signal binding protein for immunoglobulin kappa J region |
| RBX1 | NM_014248.2 | BA554C12.1 RNF75 ROC1 | ring-box 1, E3 ubiquitin protein ligase |
| RELN | NM_005045.2 | LIS2 PRO1598 RL | reelin |
| RGCC | NM_014059.2 | C13orf15 RGC-32 RGC32 ba157L14.2 | regulator of cell cycle |
| RHOA | NM_001664.2 | ARH12 ARHA RHO12 RHOH12 | ras homolog family member A |
| RNH1 | NM_203384.1 | RAI RNH | ribonuclease/angiogenesis inhibitor 1 |
| ROBO4 | NM_019055.5 | ECSM4 MRB | roundabout, axon guidance receptor, homolog 4 (Drosophila) |
| ROCK1 | NM_005406.1 | P160ROCK ROCK-I | Rho-associated, coiled-coil containing protein kinase 1 |
| ROCK2 | NM_004850.3 | ROCK-II | Rho-associated, coiled-coil containing protein kinase 2 |
| RORA | NM_134261.2 | NR1F1 ROR1 ROR2 ROR3 RZR-ALPHA RZRA | RAR-related orphan receptor A |
| RORB | NM_006914.3 | NR1F2 ROR-BETA RZR-BETA RZRB ba133M9.1 | RAR-related orphan receptor B |
| RPS27A | NM_002954.5 | CEP80 S27A UBA80 UBC UBCEP1 UBCEP80 | ribosomal protein S27a |
| RPS6KB1 | NM_003161.2 | PS6K S6K S6K1 STK14A p70(S6K)-alpha p70-S6K p70-alpha | ribosomal protein S6 kinase, 70kDa, polypeptide 1 |
| RPS6KB2 | NM_003952.2 | KLS P70-beta P70-beta-1 P70-beta-2 S6K-beta2 S6K2 SRK STK14E | ribosomal protein S6 kinase, 70kDa, polypeptide 2 |
| RRAS | NM_006270.3 | - | related RAS viral (r-ras) oncogene homolog |
| RTN4 | NM_007008.2 | ASY NI220/250 NOGO NOGO-A NOGOC NSP NSP-CL Nbla00271 NI | reticulon 4 |
| RUNX1 | NM_001754.4 | AML1 AML1-EVI-1 AMLCR1 CBFA2 EVI-1 PEBP2aB | runt-related transcription factor 1 |
| RUNX1T1 | NM_004349.2 | AML1T1 CBFA2T1 CDR ETO MTG8 ZMYND2 | runt-related transcription factor 1; translocated to, 1 (cyclin D-related) |
| S100A14 | NM_020672.1 | BCMP84 S100A15 | S100 calcium binding protein A14 |
| S100A7 | NM_002963.2 | PSOR1 S100A7c | S100 calcium binding protein A7 |
| S1PR1 | NM_001400.4 | CD363 CHEDG1 D1S3362 ECGF1 EDG-1 EDG1 S1P1 | sphingosine-1-phosphate receptor 1 |
| SACS | NM_014363.4 | ARSACS DNAJC29 | spastic ataxia of Charlevoix-Saguenay (sacsin) |
| SAMSN1 | NM_022136.3 | HACS1 NASH1 SASH2 SH3D6B SLy2 | SAM domain, SH3 domain and nuclear localization signals 1 |
| SCG2 | NM_003469.3 | CHGC EM66 SN SgII | secretogranin II |
| SCNN1A | NM_001038.4 | BESC2 ENaCa ENaCalpha SCNEA SCNN1 | sodium channel, non-voltage-gated 1 alpha subunit |
| SDC4 | NM_002999.2 | SYND4 | syndecan 4 |
| SELE | NM_000450.2 | CD62E ELAM ELAM1 ESEL LECAM2 | selectin E |
| SEMA3E | NM_012431.1 | M-SEMAH M-SemaK SEMAH coll-5 | sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) |
| SERINC5 | NM_001174071.1 | C5orf12 TPO1 | serine incorporator 5 |
| SERPINA1 | NM_000295.4 | A1A A1AT AAT PI PI1 PRO2275 alpha1AT | serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1 |
| SERPINE1 | NM_001165413.1 | PAI PAI-1 PAI1 PLANH1 | serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), |

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| SERPINF1 | NM_002615.4 | EPC-1 OI12 OI6 PEDF | serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derive |
| SERPING1 | NM_000062.2 | C1IN C1INH C1NH HAE1 HAE2 | serpin peptidase inhibitor, clade G (C1 inhibitor), member 1 |
| SERPINH1 | NM_001235.2 | AsTP3 CBP1 CBP2 HSP47 OI10 PPROM RA-A47 SERPINH2 gp46 | serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen bi |
| SET | NM_001122821.1 | 2PP2A I2PP2A IGAAD IPP2A2 PHAPII TAF-1 TAF-IBETA | SET nuclear oncogene |
| SETD2 | NM_014159.6 | HBP231 HIF-1 HIP-1 HYPB KMT3A SET2 p231HBP | SET domain containing 2 |
| SFRP1 | NM_003012.3 | FRP FRP-1 FRP1 FrzA SARP2 | secreted frizzled-related protein 1 |
| SFRP2 | NM_003013.2 | FRP-2 SARP1 SDF-5 | secreted frizzled-related protein 2 |
| SH2B3 | NM_005475.2 | IDDM20 LNK | SH2B adaptor protein 3 |
| SH2D3A | NM_005490.2 | NSP1 | SH2 domain containing 3A |
| SH3YL1 | NM_001159597.1 | RAY | SH3 domain containing, Ysc84-like 1 (S. cerevisiae) |
| SHB | NM_003028.2 | RP11-3J10.8 ba3J10.2 | Src homology 2 domain containing adaptor protein B |
| SIRT1 | NM_012238.4 | SIR2L1 | sirtuin 1 |
| SKP1 | NM_170679.2 | EMC19 OCP-II OCP2 SKP1A TCEB1L p19A | S-phase kinase-associated protein 1 |
| SLC12A6 | NM_001042494.1 | ACCPN KCC3 KCC3A KCC3B | solute carrier family 12 (potassium/chloride transporters), member 6 |
| SLC2A1 | NM_006516.2 | DYT17 DYT18 GLUT GLUT1 GLUT1DS PED | solute carrier family 2 (facilitated glucose transporter), member 1 |
| SLC35A3 | NM_012243.1 | - | solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), men |
| SLC37A1 | NM_018964.3 | G3PP | solute carrier family 37 (glycerol-3-phosphate transporter), member 1 |
| SLC44A4 | NM_032794.1 | C6orf29 CTL4 NG22 | solute carrier family 44, member 4 |
| SLIT2 | NM_004787.1 | SLIL3 Slit-2 | slit homolog 2 (Drosophila) |
| SLPI | NM_003064.2 | ALK1 ALP BLPI HUSI HUSI-1 MPI WAP4 WFDC4 | secretory leukocyte peptidase inhibitor |
| SMAD1 | NM_005900.2 | BSP-1 BSP1 JV4-1 JV41 MADH1 MADR1 | SMAD family member 1 |
| SMAD2 | NM_005901.5 | JV18 JV18-1 MADH2 MADR2 hMAD-2 hSMAD2 | SMAD family member 2 |
| SMAD3 | NM_005902.3 | HSPC193 HsT17436 JV15-2 LDS1C MADH3 | SMAD family member 3 |
| SMAD4 | NM_005359.3 | DPC4 JIP MADH4 MYHRS | SMAD family member 4 |
| SMAD5 | NM_005903.5 | DWFC JV5-1 MADH5 | SMAD family member 5 |
| SMAD9 | NM_001127217.2 | MADH6 MADH9 SMAD8 SMAD8A SMAD8B | SMAD family member 9 |
| SMC3 | NM_005445.3 | BAM BMH CDLS3 CSPG6 HCAP SMC3L1 | structural maintenance of chromosomes 3 |
| SMOC1 | NM_001034852.1 | OAS | SPARC related modular calcium binding 1 |
| SMURF1 | NM_181349.1 | - | SMAD specific E3 ubiquitin protein ligase 1 |
| SMURF2 | NM_022739.3 | - | SMAD specific E3 ubiquitin protein ligase 2 |
| SNAI1 | NM_005985.2 | SLUGH2 SNA SNAH SNAIL SNAIL1 dJ710H13.1 | snail homolog 1 (Drosophila) |
| SNAI2 | NM_003068.3 | SLUG SLUGH1 SNAIL2 WS2D | snail homolog 2 (Drosophila) |
| SNAI3 | NM_178310.1 | SMUC SNAIL3 ZNF293 Zfp293 | snail homolog 3 (Drosophila) |
| SNRPF | NM_003095.2 | SMF Sm-F snRNP-F | small nuclear ribonucleoprotein polypeptide F |
| SOD1 | NM_000454.4 | ALS ALS1 IPOA SOD hSod1 homodimer | superoxide dismutase 1, soluble |
| SORD | NM_003104.4 | SORD1 | sorbitol dehydrogenase |
| SOX17 | NM_022454.3 | VUR3 | SRY (sex determining region Y)-box 17 |
| SOX2 | NM_003106.2 | ANOP3 MCOPS3 | SRY (sex determining region Y)-box 2 |
| SOX9 | NM_000346.2 | CMD1 CMPD1 SRA1 | SRY (sex determining region Y)-box 9 |
| SP1 | NM_003109.1 | - | Sp1 transcription factor |
| SPARC | NM_003118.2 | ON | secreted protein, acidic, cysteine-rich (osteonectin) |
| SPARCL1 | NM_004684.4 | PIG33 SC1 | SPARC-like 1 (hevin) |
| SPDEF | NM_012391.1 | PDEF RP11-375E1_A.3 ba375E1.3 | SAM pointed domain containing ets transcription factor |
| SPHK2 | NM_020126.3 | SK 2 SK-2 SPK 2 SPK-2 | sphingosine kinase 2 |
| SPINK5 | NM_006846.3 | LEKTI LETKI NETS NS VAKTI | serine peptidase inhibitor, Kazal type 5 |
| SPINT1 | NM_001032367.1 | HAI HAI1 MANSC2 | serine peptidase inhibitor, Kunitz type 1 |
| SPOCK3 | NM_001204355.1 | HSAJ1454 TES-3 TICN3 | sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3 |
| SPP1 | NM_000582.2 | BNSP BSPI ETA-1 OPN | secreted phosphoprotein 1 |
| SRC | NM_005417.3 | ASV SRC1 c-SRC p60-Src | v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian) |
| SRF | NM_003131.2 | MCM1 | serum response factor (c-fos serum response element-binding transcription factor) |
| SRGN | NR_036430.1 | PPG PRG PRG1 | serglycin |
| SRPK2 | NM_182692.1 | SFRSK2 | SRSF protein kinase 2 |
| SRPX2 | NM_014467.2 | BPP CBPS PMGX RESDX SRPUL | sushi-repeat containing protein, X-linked 2 |
| SSTR2 | NM_001050.2 | - | somatostatin receptor 2 |
| ST14 | NM_021978.3 | HAI MT-SP1 MTSP1 PRSS14 SNC19 TADG15 TMPRSS14 | suppression of tumorigenicity 14 (colon carcinoma) |
| STAB1 | NM_015136.2 | CLEVER-1 FEEL-1 FELE-1 FEX1 STAB-1 | stabilin 1 |
| STAB2 | NM_017564.9 | FEEL2 FELE-2 FELL2 FEX2 HARE | stabilin 2 |
| STAT1 | NM_139266.1 | CANDF7 ISGF-3 STAT91 | signal transducer and activator of transcription 1, 91kDa |
| STAT3 | NM_139276.2 | APRF HIES | signal transducer and activator of transcription 3 (acute-phase response factor) |
| SULF1 | NM_001128204.1 | HSULF-1 SULF-1 | sulfatase 1 |
| SV2B | NM_001167580.1 | HsT19680 | synaptic vesicle glycoprotein 2B |
| SYK | NM_003177.3 | p72-Syk | spleen tyrosine kinase |
| SYNE1 | NM_015293.1 | 8B ARCA1 C6orf98 CPG2 EDMD4 MYNE1 Nesp1 SCAR8 dJ45H2.2 | spectrin repeat containing, nuclear envelope 1 |
| TACSTD2 | NM_002353.2 | EGP-1 EGP1 GA733-1 GA7331 GP50 M1S1 TROP2 | tumor-associated calcium signal transducer 2 |
| TAL1 | NM_003189.2 | SCL TCL5 bHLHa17 tal-1 | T-cell acute lymphocytic leukemia 1 |
| TBX1 | NM_080646.1 | CAFS CTHM DGCR DGS DORV TBX1C TGA VCFS | T-box 1 |
| TBX4 | NM_018488.2 | SPS | T-box 4 |
| TBXA2R | NM_001060.3 | BDPLT13 TXA2-R | thromboxane A2 receptor |
| TCEB1 | NM_001204857.1 | SIII eloC | transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C) |
| TCEB2 | NM_007108.2 | ELOB SIII | transcription elongation factor B (SIII), polypeptide 2 (18kDa, elongin B) |
| TCF20 | NM_005650.1 | AR1 SPBP | transcription factor 20 (AR1) |
| TCF3 | NM_003200.3 | E2A E47 ITF1 TCF-3 VDIR bHLHb21 | transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47) |
| TCF4 | NM_003199.1 | E2-2 ITF-2 ITF2 PTHS SEF-2 SEF2 SEF2-1 SEF2-1A SEF2-1B TCF-4 | transcription factor 4 |
| TDGF1 | NM_003212.2 | CR CRGF CRIPTO | teratocarcinoma-derived growth factor 1 |
| TEK | NM_000459.3 | CD202B TIE-2 TIE2 VMCM VMCM1 | TEK tyrosine kinase, endothelial |
| TF | NM_001063.2 | PRO1557 PRO2086 TFQTL1 | transferrin |
| TFDP1 | NM_007111.4 | DP1 DRTF1 Dp-1 | transcription factor Dp-1 |
| TFPI2 | NM_006528.3 | PP5 REF1 TFPI-2 | tissue factor pathway inhibitor 2 |
| TGFB1 | NM_000660.3 | CED DPD1 LAP TGFB TGFBbeta | transforming growth factor, beta 1 |
| TGFB2 | NM_003238.2 | TGF-beta2 | transforming growth factor, beta 2 |
| TGFBI | NM_000358.2 | BIGH3 CDB1 CDG2 CDGG1 CSD CSD1 CSD2 CSD3 EBMD LCD1 | transforming growth factor, beta-induced, 68kDa |
| TGFBR2 | NM_001024847.1 | AAT3 FAA3 LDS1B LDS2B MFS2 RIIC TAAD2 TGFR-2 TGFBeta-RII | transforming growth factor, beta receptor II (70/80kDa) |
| THBS1 | NM_003246.2 | THBS THBS-1 TSP TSP-1 TSP1 | thrombospondin 1 |
| THBS2 | NM_003247.2 | TSP2 | thrombospondin 2 |

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|-----------|----------------|--|---|
| THBS4 | NM_003248.3 | TSP4 | thrombospondin 4 |
| THY1 | NM_006288.2 | CD90 | Thy-1 cell surface antigen |
| TIE1 | NM_005424.2 | JTK14 TIE | tyrosine kinase with immunoglobulin-like and EGF-like domains 1 |
| TIMP1 | NM_003254.2 | CLGI EPA EPO HCI TIMP | TIMP metalloproteinase inhibitor 1 |
| TIMP2 | NM_003255.4 | CSC-21K | TIMP metalloproteinase inhibitor 2 |
| TIMP4 | NM_003256.2 | - | TIMP metalloproteinase inhibitor 4 |
| TJP2 | NM_004817.2 | C9DUPq21.11 DFNA51 DUP9q21.11 X104 ZO2 | tight junction protein 2 |
| TJP3 | NM_014428.1 | ZO-3 ZO3 | tight junction protein 3 |
| TLR4 | NR_024168.1 | ARMD10 CD284 TLR-4 TOLL | toll-like receptor 4 |
| TMC6 | NM_001127198.1 | EV1 EVER1 EVIN1 LAK-4P | transmembrane channel-like 6 |
| TMEM100 | NM_018286.2 | - | transmembrane protein 100 |
| TMEM30B | NM_001017970.2 | CDC50B | transmembrane protein 30B |
| TMPRSS2 | NM_005656.3 | PP9284 PRSS10 | transmembrane protease, serine 2 |
| TMPRSS4 | NM_019894.3 | CAPH2 MT-SP2 TMPRSS3 | transmembrane protease, serine 4 |
| TMPRSS6 | NM_153609.2 | IRIDA | transmembrane protease, serine 6 |
| TNC | NM_002160.3 | 150-225 GMEM GP HXB JI TN TN-C | tenascin C |
| TNF | NM_000594.2 | DIF TNF-alpha TNFA TNFSF2 | tumor necrosis factor |
| TNFRSF12A | NM_016639.1 | CD266 FN14 TWEAKR | tumor necrosis factor receptor superfamily, member 12A |
| TNFRSF1A | NM_001065.2 | CD120a FPF TBP1 TNF-R TNF-R-I TNF-R55 TNFAR TNFR1 TNFR55 | tumor necrosis factor receptor superfamily, member 1A |
| TNFSF10 | NM_003810.2 | APO2L Apo-2L CD253 TL2 TRAIL | tumor necrosis factor (ligand) superfamily, member 10 |
| TNFSF12 | NM_003809.2 | APO3L DR3LG TWEAK | tumor necrosis factor (ligand) superfamily, member 12 |
| TNFSF13 | NM_003808.3 | APRIL CD256 TALL-2 TALL2 TRDL-1 ZTNF2 | tumor necrosis factor (ligand) superfamily, member 13 |
| TNMD | NM_022144.2 | BRICD4 CHM1L TEM | tenomodulin |
| TNN | NM_022093.1 | TN-W | tenascin N |
| TNS1 | NM_022648.4 | MST091 MST122 MST127 MSTP122 MSTP127 MXRA6 TNS | tensin 1 |
| TNXB | NM_032470.3 | EDS3 HXBL TENX TN-X TNX TNXB1 TNXB2 TNXBS XB XBS | tenascin XB |
| TOM1L1 | NM_005486.2 | OK/KNS-CL.3 SRCASM | target of myb1 (chicken)-like 1 |
| TP53 | NM_000546.2 | BCC7 LFS1 P53 TRP53 | tumor protein p53 |
| TPM2 | NM_003289.3 | AMCD1 DA1 DA2B NEM4 TMSB | tropomyosin 2 (beta) |
| TPSB2 | NM_024164.5 | TPS2 tryptaseB tryptaseC | tryptase beta 2 (gene/pseudogene) |
| TPSD1 | NM_012217.2 | MCP7-LIKE MCP7L1 MMCP-7L | tryptase delta 1 |
| TSHR | NM_001018036.2 | CHNG1 LGR3 hTSHR-I | thyroid stimulating hormone receptor |
| TSPAN1 | NM_005727.2 | NET1 TM4C TM4SF | tetraspanin 1 |
| TWIST1 | NM_000474.3 | ACS3 BPES2 BPES3 CRS1 SCS TWIST bHLHa38 | twist homolog 1 (Drosophila) |
| TWIST2 | NM_057179.2 | DERMO1 SETLSS bHLHa39 | twist homolog 2 (Drosophila) |
| TXNIP | NM_006472.1 | EST01027 HHCPA78 THIF VDUP1 | thioredoxin interacting protein |
| TYMP | NM_001953.3 | ECGF ECGF1 MEDPS1 MNGIE MTDPS1 PDECGF TP hPD-ECGF | thymidine phosphorylase |
| UBA52 | NM_003333.3 | CEP52 HUBCEP52 L40 RPL40 | ubiquitin A-52 residue ribosomal protein fusion product 1 |
| UTS2 | NM_006786.3 | PRO1068 U-II UCN2 UII | urotensin 2 |
| VAMP8 | NM_003761.3 | EDB VAMP-8 | vesicle-associated membrane protein 8 (endobrevin) |
| VASH1 | NM_014909.4 | KIAA1036 | vasohibin 1 |
| VAV2 | NM_003371.3 | VAV-2 | vav 2 guanine nucleotide exchange factor |
| VAV3 | NM_001079874.1 | - | vav 3 guanine nucleotide exchange factor |
| VCAM1 | NM_001078.3 | CD106 INCAM-100 | vascular cell adhesion molecule 1 |
| VCAN | NM_004385.3 | CSPG2 ERVR GHAP PG-M WGN WGN1 | versican |
| VEGFA | NM_001025366.1 | MVCD1 VEGF VPF | vascular endothelial growth factor A |
| VEGFB | NM_003377.3 | VEGFL VRF | vascular endothelial growth factor B |
| VEGFC | NM_005429.2 | Flt4-L VRP | vascular endothelial growth factor C |
| VEZF1 | NM_007146.2 | DB1 ZNF161 | vascular endothelial zinc finger 1 |
| VHL | NM_000551.2 | HRCA1 RCA1 VHL1 pVHL | von Hippel-Lindau tumor suppressor, E3 ubiquitin protein ligase |
| VIM | NM_003380.2 | - | vimentin |
| VIT | NM_053276.3 | - | vitrin |
| VPS13A | NM_033305.2 | CHAC CHOREIN | vacuolar protein sorting 13 homolog A (S. cerevisiae) |
| VSIG4 | NM_001100431.1 | CRIg Z39IG | V-set and immunoglobulin domain containing 4 |
| VWA1 | NM_199121.2 | WARP | von Willebrand factor A domain containing 1 |
| VWA2 | NM_001272046.1 | AMACO CCSP-2 NET42 | von Willebrand factor A domain containing 2 |
| WARS | NM_004184.3 | GAMMA-2 IFI53 IFP53 | tryptophanyl-tRNA synthetase |
| WIPF1 | NM_001077269.1 | PRPL-2 WASPIP WIP | WAS/WASL interacting protein family, member 1 |
| WNT5A | NM_003392.3 | hWNT5A | wingless-type MMTV integration site family, member 5A |
| WNT5B | NM_032642.2 | - | wingless-type MMTV integration site family, member 5B |
| WWTR1 | NM_001168278.1 | TAZ | WW domain containing transcription regulator 1 |
| ZC3H12A | NM_025079.2 | MCPIP MCPIP1 RP3-423B22.1 dJ423B22.1 | zinc finger CCCH-type containing 12A |
| ZCCHC24 | XM_005269604.1 | C10orf56 | zinc finger, CCHC domain containing 24 |
| ZEB1 | NM_001128128.1 | AREB6 BZP DELTAEF1 FECD6 NIL2A PPCD3 TCF8 ZFHEP ZFH1A | zinc finger E-box binding homeobox 1 |
| ZEB2 | NM_014795.3 | HSPC082 SIP-1 SIP1 SMADIP1 ZFH1B | zinc finger E-box binding homeobox 2 |
| ZFPM2 | NM_012082.3 | DIH3 FOG2 ZNF89B hFOG-2 | zinc finger protein, multitype 2 |
| ZFYVE16 | NM_001105251.2 | ENDOFIN PPP1R69 | zinc finger, FYVE domain containing 16 |
| ZFYVE9 | NM_004799.2 | MADHIP NSP SARA SMADIP | zinc finger, FYVE domain containing 9 |
| AGK | NM_018238.3 | CATC5 MTDPS10 MULK | acylglycerol kinase |
| AMMECR1L | NM_001199140.1 | - | AMME chromosomal region gene 1-like |
| CC2D1B | NM_032449.2 | - | coiled-coil and C2 domain containing 1B |
| CNOT10 | NM_001256741.1 | - | CCR4-NOT transcription complex, subunit 10 |
| CNOT4 | NM_001190848.1 | CLONE243 NOT4 NOT4H | CCR4-NOT transcription complex, subunit 4 |
| COG7 | NM_153603.3 | CDG2E | component of oligomeric golgi complex 7 |
| DDX50 | NM_024045.1 | GU2 GUB RH-II GuB | DEAD (Asp-Glu-Ala-Asp) box polypeptide 50 |
| DHX16 | NM_001164239.1 | DBP2 DDX16 PRO2014 PRP8 PRPF2 Prp2 | DEAH (Asp-Glu-Ala-His) box polypeptide 16 |
| DNAJC14 | NM_032364.5 | DNAJ DRIP78 HDJ3 LIP6 | DnaJ (Hsp40) homolog, subfamily C, member 14 |
| EDC3 | NM_001142443.1 | LSM16 YJDC YJEFN2 | enhancer of mRNA decapping 3 homolog (S. cerevisiae) |
| EIF2B4 | NM_172195.3 | EIF-2B EIF2B EIF2Bdelta | eukaryotic translation initiation factor 2B, subunit 4 delta, 67kDa |
| ERCC3 | NM_000122.1 | BTF2 GTF2H RAD25 TFIIH XPB | excision repair cross-complementing rodent repair deficiency, complementation group C |
| FCF1 | NM_015962.4 | Bka C14orf111 UTP24 | FCF1 small subunit (SSU) processome component homolog (S. cerevisiae) |
| GPATCH3 | NM_022078.2 | GPATC3 | G patch domain containing 3 |
| HDAC3 | NM_003883.2 | HD3 RPD3 RPD3-2 | histone deacetylase 3 |
| MRPS5 | NM_031902.3 | MRP-S5 S5mt | mitochondrial ribosomal protein S5 |

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|---------|----------------|--------------------------------|---|
| MTMR14 | NM_022485.3 | C3orf29 | myotubularin related protein 14 |
| NOL7 | NM_016167.3 | C6orf90 PQBP3 RARG-1 dJ223E5.2 | nucleolar protein 7, 27kDa |
| NUBP1 | NM_001278506.1 | NBP NBP1 | nucleotide binding protein 1 |
| PRPF38A | NM_032864.3 | Prp38 RP5-965L7.1 | PRP38 pre-mRNA processing factor 38 (yeast) domain containing A |
| SAP130 | NM_024545.3 | - | Sin3A-associated protein, 130kDa |
| SF3A3 | NM_006802.2 | PRP9 PRPF9 SAP61 SF3a60 | splicing factor 3a, subunit 3, 60kDa |
| TLK2 | NM_006852.2 | PKU-ALPHA | tousled-like kinase 2 |
| TMUB2 | NM_024107.2 | - | transmembrane and ubiquitin-like domain containing 2 |
| TRIM39 | NM_021253.3 | RNF23 TFP TRIM39B | tripartite motif containing 39 |
| USP39 | NM_001256725.1 | 65K HSPC332 SAD1 SNRNP65 | ubiquitin specific peptidase 39 |
| ZC3H14 | NM_001160103.1 | MSUT-2 NY-REN-37 SUT2 UKp68 | zinc finger CCCH-type containing 14 |
| ZKSCAN5 | NM_014569.3 | ZFP95 ZNF914 | zinc finger with KRAB and SCAN domains 5 |
| ZNF143 | NM_003442.5 | SBF STAF pHZ-1 | zinc finger protein 143 |
| ZNF346 | NM_012279.2 | JAZ Zfp346 | zinc finger protein 346 |