SUPPLEMENTARY FILE 2

BCSCs regulatory genes

|  |  |  |  |
| --- | --- | --- | --- |
| 672 | BRCA1 | BRCAI, BRCC1, BROVCA1, FANCS, IRIS, PNCA4, PPP1R53, PSCP, RNF53 | BRCA1 DNA repair associated |
| 2099 | ESR1 | ER, ESR, ESRA, ESTRR, Era, NR3A1 | estrogen receptor 1 |
| 7015 | TERT | CMM9, DKCA2, DKCB4, EST2, PFBMFT1, TCS1, TP2, TRT, hEST2, hTRT | telomerase reverse transcriptase |
| 595 | CCND1 | BCL1, D11S287E, PRAD1, U21B31 | cyclin D1 |
| 9429 | ABCG2 | ABC15, ABCP, BCRP, BCRP1, BMDP, CD338, CDw338, EST157481, GOUT1, MRX, MXR, MXR-1, MXR1, UAQTL1 | ATP binding cassette subfamily G member 2 (Junior blood group) |
| 2263 | FGFR2 | BBDS, BEK, BFR-1, CD332, CEK3, CFD1, ECT1, JWS, K-SAM, KGFR, TK14, TK25 | fibroblast growth factor receptor 2 |
| 1029 | CDKN2A | ARF, CDK4I, CDKN2, CMM2, INK4, INK4A, MLM, MTS-1, MTS1, P14, P14ARF, P16, P16-INK4A, P16INK4, P16INK4A, P19, P19ARF, TP16 | cyclin dependent kinase inhibitor 2A |
| 5744 | PTHLH | BDE2, HHM, PLP, PTHR, PTHRP | parathyroid hormone like hormone |
| 4609 | MYC | MRTLC, bHLHe39, c-Myc, MYC | MYC proto-oncogene, bHLH transcription factor |
| 3479 | IGF1 | IGF, IGF-I, IGFI, MGF | insulin like growth factor 1 |
| 7157 | TP53 | BCC7, BMFS5, LFS1, P53, TRP53 | tumor protein p53 |
| 57591 | MRTFA | BSAC, MAL, MKL, MKL1, MRTF-A | myocardin related transcription factor A |
| 4214 | MAP3K1 | MAPKKK1, MEKK, MEKK 1, MEKK1, SRXY6 | mitogen-activated protein kinase kinase kinase 1 |
| 1956 | EGFR | ERBB, ERBB1, ERRP, HER1, NISBD2, PIG61, mENA | epidermal growth factor receptor |
| 7124 | TNF | DIF-alpha, TNFA, TNFSF2, TNLG1F, TNF | tumor necrosis factor |
| 7422 | VEGFA | MVCD1, VEGF, VPF | vascular endothelial growth factor A |
| 2066 | ERBB4 | ALS19, HER4, p180erbB4 | erb-b2 receptor tyrosine kinase 4 |
| 3569 | IL6 | BSF-2, BSF2, CDF, HGF, HSF, IFN-beta-2, IFNB2, IL-6 | interleukin 6 |
| 7040 | TGFB1 | CED, DPD1, IBDIMDE, LAP, TGF-beta1, TGFB, TGFbeta | transforming growth factor beta 1 |
| 1030 | CDKN2B | CDK4I, INK4B, MTS2, P15, TP15, p15INK4b | cyclin dependent kinase inhibitor 2B |
| 3091 | HIF1A | HIF-1-alpha, HIF-1A, HIF-1alpha, HIF1, HIF1-ALPHA, MOP1, PASD8, bHLHe78 | hypoxia inducible factor 1 subunit alpha |
| 3586 | IL10 | CSIF, GVHDS, IL-10A, TGIF, IL10 | interleukin 10 |
| 9314 | KLF4 | EZF, GKLF | Kruppel like factor 4 |
| 6774 | STAT3 | ADMIO, ADMIO1, APRF, HIES | signal transducer and activator of transcription 3 |
| 207 | AKT1 | AKT, PKB, PKB-ALPHA, PRKBA, RAC, RAC-ALPHA | AKT serine/threonine kinase 1 |
| 5243 | ABCB1 | ABC20, CD243, CLCS, GP170, MDR1, P-GP, PGY1, p-170 | ATP binding cassette subfamily B member 1 |
| 4790 | NFKB1 | CVID12, EBP-1, KBF1, NF-kB, NF-kB1, NF-kappa-B1, NF-kappaB, NF-kappabeta, NFKB-p105, NFKB-p50, NFkappaB | nuclear factor kappa B subunit 1 |
| 3553 | IL1B | IL-1, IL1-BETA, IL1F2, IL1beta | interleukin 1 beta |
| 5728 | PTEN | 10q23del, BZS, CWS1, DEC, GLM2, MHAM, MMAC11, PTENbeta, TEP1, PTEN | phosphatase and tensin homolog |
| 1499 | CTNNB1 | CTNNB, EVR7, MRD19, NEDSDV, armadillo | catenin beta 1 |
| 7099 | TLR4 | ARMD10, CD284, TLR-4, TOLL | toll like receptor 4 |
| 2064 | ERBB2 | CD340, HER-2, HER-2/neu, HER2, MLN 19, NEU, NGL, TKR1, VSCN2 | erb-b2 receptor tyrosine kinase 2 |
| 29126 | CD274 | B7-H, B7H1, PD-L1, PDCD1L1, PDCD1LG1, PDL1, hPD-L1 | CD274 molecule |
| 3576 | CXCL8 | GCP-1, GCP1, IL8, LECT, LUCT, LYNAP, MDNCF, MONAP, NAF, NAP-1, NAP1, SCYB8 | C-X-C motif chemokine ligand 8 |
| 6934 | TCF7L2 | TCF-4, TCF4 | transcription factor 7 like 2 |
| 2475 | MTOR | FRAP, FRAP1, FRAP2, RAFT1, RAPT1, SKS | mechanistic target of rapamycin kinase |
| 348 | APOE | AD2, APO-E, ApoE4, LDLCQ5, LPG | apolipoprotein E |
| 4318 | MMP9 | CLG4B, GELB, MANDP2, MMP-9 | matrix metallopeptidase 9 |
| 5468 | PPARG | CIMT1, GLM1, NR1C31, PPARG2, PPARG5, PPARgamma, PPARG | peroxisome proliferator activated receptor gamma |
| 3845 | KRAS | 'C-K-RAS, C-K-RAS, CFC2, K-RAS2A, K-RAS2B, K-RAS4A, K-RAS4B, K-Ras, K-Ras 2, KI-RAS1, KRAS2, NS, NS3, OES, RALD, RASK2, c-Ki-ras, c-Ki-ras2, KRAS | KRAS proto-oncogene, GTPase |
| 7852 | CXCR4 | CD184, D2S201E, FB22, HM89, HSY3RR, LAP-3, LAP3, LCR1, LESTR, NPY3R, NPYR, NPYRL, NPYY3R, WHIM, WHIMS, WHIMS1 | C-X-C motif chemokine receptor 4 |
| 3458 | IFNG | IFG, IFI, IMD69 | interferon gamma |
| 999 | CDH1 | Arc-1, BCDS1, CD324, CDHE, ECAD, LCAM, UVO | cadherin 1 |
| 3717 | JAK2 | JTK10 | Janus kinase 2 |
| 627 | BDNF | ANON2, BULN2 | brain derived neurotrophic factor |
| 367 | AR | AIS8, DHTR, HUMARA, HYSP1, KD, NR3C4, SBMA, SMAX1, TFM, AR | androgen receptor |
| 4780 | NFE2L2 | HEBP1, IMDDHH, NRF2, Nrf-2 | NFE2 like bZIP transcription factor 2 |
| 5594 | MAPK1 | ERK, ERK-2, ERK2, ERT1, MAPK2, NS13, P42MAPK, PRKM1, PRKM2, p38, p40, p41, p41mapk, p42-MAPK | mitogen-activated protein kinase 1 |
| 3605 | IL17A | CTLA-8, CTLA8, IL-17, IL-17A, IL17, ILA17 | interleukin 17A |
| 7048 | TGFBR2 | AAT3, FAA3, LDS1B, LDS2, LDS2B, MFS2, RIIC, TAAD2, TBR-ii, TBRII, TGFR-2, TGFbeta-RII | transforming growth factor beta receptor 2 |
| 1026 | CDKN1A | CAP20, CDKN1, CIP1, MDA-6, P21, SDI1, WAF1, p21CIP1 | cyclin dependent kinase inhibitor 1A |
| 5743 | PTGS2 | COX-2, COX2, GRIPGHS, PGG/HS, PGHS-2, PHS-2, hCox-2 | prostaglandin-endoperoxide synthase 2 |
| 23411 | SIRT1 | SIR2, SIR2L1, SIR2alpha | sirtuin 1 |
| 406991 | MIR21 | MIRN21, hsa-mir-21, miR-21, miRNA21 | microRNA 21 |
| 960 | CD44 | CDW44, CSPG8, ECMR-III, HCELL, HUTCH-I, IN, LHR, MC56, MDU2, MDU3, MIC4, Pgp1 | CD44 molecule (Indian blood group) |
| 4851 | NOTCH1 | AOS5, AOVD1, TAN1, hN1 | notch receptor 1 |
| 4233 | MET | AUTS9, DFNB97, HGFR, RCCP2, c-Met | MET proto-oncogene, receptor tyrosine kinase |
| 6387 | CXCL12 | IRH, PBSF, SCYB12, SDF1, TLSF, TPAR1 | C-X-C motif chemokine ligand 12 |
| 3952 | LEP | LEPD, OB, OBS | leptin |
| 2146 | EZH2 | ENX-1, ENX1b, KMT6, KMT6A, WVS, WVS2, EZH2 | enhancer of zeste 2 polycomb repressive complex 2 subunit |
| 4846 | NOS3 | ECNOS, eNOS | nitric oxide synthase 3 |
| 3162 | HMOX1 | HMOX1D, HO-1, HSP32, bK286B10 | heme oxygenase 1 |
| 596 | BCL2 | Bcl-2, PPP1R50 | BCL2 apoptosis regulator |
| 5290 | PIK3CA | CCM4, CLAPO, CLOVE, CWS5, MCAP, MCM, MCMTC, PI3K, PI3K-alpha, p110-alpha | phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha |
| 9370 | ADIPOQ | ACDC, ACRP30, ADIPQTL1, ADPN, APM-1, APM1, GBP28 | adiponectin, C1Q and collagen domain containing |
| 2932 | GSK3B |  | glycogen synthase kinase 3 beta |
| 3815 | KIT | C-Kit, CD117, MASTC, PBT, SCFR | KIT proto-oncogene, receptor tyrosine kinase |
| 3480 | IGF1R | CD221, IGFIR, IGFR, JTK13 | insulin like growth factor 1 receptor |
| 3688 | ITGB1 | CD29, FNRB, GPIIA, MDF2, MSK12, VLA-BETA, VLAB | integrin subunit beta 1 |
| 10413 | YAP1 | COB1, YAP, YAP2, YAP65, YKI | Yes1 associated transcriptional regulator |
| 3135 | HLA-G | MHC-G | major histocompatibility complex, class I, G |
| 1636 | ACE | ACE1, CD143, DCP, DCP1 | angiotensin I converting enzyme |
| 4193 | MDM2 | ACTFS, HDMX, LSKB, hdm2 | MDM2 proto-oncogene |
| 8626 | TP63 | AIS, B(p51A), B(p51B), EEC3, KET, LMS, NBP, OFC8, RHS, SHFM4, TP53CP, TP53L, TP73L, p40, p51, p53CP, p63, p73H, p73L | tumor protein p63 |
| 472 | ATM | AT1, ATA, ATC, ATD, ATDC, ATE, TEL1, TELO1 | ATM serine/threonine kinase |
| 332 | BIRC5 | API4, EPR-1 | baculoviral IAP repeat containing 5 |
| 406938 | MIR146A | MIRN146, MIRN146A, miR-146a, miRNA146A | microRNA 146a |
| 1432 | MAPK14 | CSBP, CSBP1, CSBP2, CSPB1, EXIP, Mxi2, PRKM14, PRKM15, RK, SAPK2A, p38, p38ALPHA | mitogen-activated protein kinase 14 |
| 5747 | PTK2 | FADK, FADK 1, FAK, FAK1, FRNK, PPP1R71, p125FAK, pp125FAK | protein tyrosine kinase 2 |
| 5970 | RELA | CMCU, NFKB3, p65 | RELA proto-oncogene, NF-kB subunit |
| 5054 | SERPINE1 | PAI, PAI-1, PAI1, PLANH1 | serpin family E member 1 |
| 3082 | HGF | DFNB39, F-TCFB, HPTA, SF, HGF | hepatocyte growth factor |
| 6347 | CCL2 | GDCF-2, HC11, HSMCR30, MCAF, MCP-1, MCP1, SCYA2, SMC-CF | C-C motif chemokine ligand 2 |
| 4313 | MMP2 | CLG4, CLG4A, MMP-2, MMP-II, MONA, TBE-1 | matrix metallopeptidase 2 |
| 2247 | FGF2 | BFGF, FGF-2, FGFB, HBGF-2 | fibroblast growth factor 2 |
| 861 | RUNX1 | AML1, AML1-EVI-1, AMLCR1, CBF2alpha, CBFA2, EVI-1, PEBP2aB, PEBP2alpha | RUNX family transcription factor 1 |
| 5595 | MAPK3 | ERK-1, ERK1, ERT2, HS44KDAP, HUMKER1A, P44ERK1, P44MAPK, PRKM3, p44-ERK1, p44-MAPK | mitogen-activated protein kinase 3 |
| 2697 | GJA1 | AVSD3, CMDR, CX43, EKVP, EKVP3, GJAL, HLHS1, HSS, ODDD, PPKCA | gap junction protein alpha 1 |
| 1950 | EGF | HOMG4, URG | epidermal growth factor |
| 23641 | LDOC1 | BCUR1, Mar7, Mart7, RTL7, SIRH7 | LDOC1 regulator of NFKB signaling |
| 407040 | MIR34A | MIRN34A, miRNA34A, mir-34, mir-34a | microRNA 34a |
| 6657 | SOX2 | ANOP3, MCOPS3 | SRY-box transcription factor 2 |
| 4137 | MAPT | DDPAC, FTDP-17L, MSTD, MTBT1, MTBT2, PPND, PPP1R103, TAU, tau-40, MAPT | microtubule associated protein tau |
| 6696 | SPP1 | BNSP, BSPI, ETA-1, OPN | secreted phosphoprotein 1 |
| 3383 | ICAM1 | BB2, CD54, P3.58 | intercellular adhesion molecule 1 |
| 5460 | POU5F1 | OCT3, OCT4, OTF-3, OTF3, OTF4, Oct-3, Oct-4 | POU class 5 homeobox 1 |
| 2309 | FOXO3 | AF6q21, FKHRL1, FKHRL1P2, FOXO2A, FOXO3 | forkhead box O3 |
| 406947 | MIR155 | MIRN155, miRNA155, mir-155 | microRNA 155 |
| 1234 | CCR5 | CC-CKR-5, CCCKR5, CCR-5, CD195, CKR-5, CKR5, CMKBR5, IDDM22 | C-C motif chemokine receptor 5 |
| 7291 | TWIST1 | ACS3, BPES2, BPES3, CRS, CRS1, CSO, SCS, SWCOS, TWIST, bHLHa38 | twist family bHLH transcription factor 1 |
| 1493 | CTLA4 | ALPS5, CD, CD152, CELIAC3, CTLA-4, GRD4, GSE, IDDM12 | cytotoxic T-lymphocyte associated protein 4 |
| 324 | APC | BTPS2, DESMD, DP2, DP2.5, DP3, GS, PPP1R46 | APC regulator of WNT signaling pathway |
| 857 | CAV1 | BSCL3, CGL3, LCCNS, MSTP085, PPH3, VIP21 | caveolin 1 |
| 406937 | MIR145 | MIRN145, miR-145, miRNA145 | microRNA 145 |
| 2305 | FOXM1 | FKHL16A, FOXM1B, FOXM1C, HFH-11, HFH11, HNF-3, INS-1, MPHOSPH2, MPP-2, MPP2, PIG29, TRIDENT, FOXM1 | forkhead box M1 |
| 8743 | TNFSF10 | APO2L, Apo-2L, CD253, TL2, TNLG6A, TRAIL | TNF superfamily member 10 |
| 120892 | LRRK2 | AURA17, DARDARIN, PARK8, RIPK7, ROCO2 | leucine rich repeat kinase 2 |
| 3725 | JUN | AP-1, AP1, c-Jun, cJUN, p39 | Jun proto-oncogene, AP-1 transcription factor subunit |
| 860 | RUNX2 | AML3, CBF-alpha-1, CBFA1, CCD, CCD1, CLCD, OSF-2, OSF2, PEA2aA, PEBP2aA | RUNX family transcription factor 2 |
| 1786 | DNMT1 | ADCADN, AIM, CXXC9, DNMT, HSN1E, MCMT, m.HsaI | DNA methyltransferase 1 |
| 3620 | IDO1 | IDO, IDO-1, INDO | indoleamine 2,3-dioxygenase 1 |
| 648 | BMI1 | FLVI2/BMI1, PCGF4, RNF51, flvi-2/bmi-1 | BMI1 proto-oncogene, polycomb ring finger |
| 3958 | LGALS3 | CBP35, GAL3, GALBP, GALIG, L31, LGALS2, MAC2 | galectin 3 |
| 8842 | PROM1 | AC133, CD133, CORD12, MCDR2, MSTP061, PROML1, RP41, STGD4 | prominin 1 |
| 387 | RHOA | ARH12, ARHA, EDFAOB, RHO12, RHOH12 | ras homolog family member A |
| 5879 | RAC1 | MIG5, MRD48, Rac-1, TC-25, p21-Rac1 | Rac family small GTPase 1 |
| 50943 | FOXP3 | AIID, DIETER, IPEX, JM2, PIDX, XPID | forkhead box P3 |
| 1027 | CDKN1B | CDKN4, KIP1, MEN1B, MEN4, P27KIP1 | cyclin dependent kinase inhibitor 1B |
| 3146 | HMGB1 | HMG-1, HMG1, HMG3, SBP-1 | high mobility group box 1 |
| 351 | APP | AAA, ABETA, ABPP, AD1I, CTFgamma, CVAP, PN-II, PN2, alpha-sAPP, preA4, APP | amyloid beta precursor protein |
| 283120 | H19 | ASM, ASM1, BWS, D11S813E, LINC00008, MIR675HG, NCRNA00008, WT2 | H19 imprinted maternally expressed transcript |
| 4000 | LMNA | CDCD1, CDDC, CMD1A, CMT2B1, EMD2, FPL, FPLD, FPLD2, HGPS, IDC, LDP1, LFP, LGMD1B, LMN1, LMNC, LMNL1, MADA, PRO1 | lamin A/C |
| 3791 | KDR | CD309, FLK1, VEGFR, VEGFR2 | kinase insert domain receptor |
| 2034 | EPAS1 | ECYT4, HIF2A, HLF, MOP2, PASD2, bHLHe73 | endothelial PAS domain protein 1 |
| 22943 | DKK1 | DKK-1, SK | dickkopf WNT signaling pathway inhibitor 1 |
| 6352 | CCL5 | D17S136E, RANTES, SCYA5, SIS-delta, SISd, TCP228, eoCP | C-C motif chemokine ligand 5 |
| 54790 | TET2 | IMD75, KIAA1546, MDS | tet methylcytosine dioxygenase 2 |
| 142 | PARP1 | ADPRT, ADPRT 1, ADPRT1, ARTD1, PARP, PARP-1, PPOL, pADPRT-1 | poly(ADP-ribose) polymerase 1 |
| 6662 | SOX9 | CMD1, CMPD1, SRA1, SRXX2, SRXY10 | SRY-box transcription factor 9 |
| 4312 | MMP1 | CLG, CLGN | matrix metallopeptidase 1 |
| 4088 | SMAD3 | HSPC193, HsT17436, JV15-2, LDS1C, LDS3, MADH3 | SMAD family member 3 |
| 7076 | TIMP1 | CLGI, EPA, EPO, HCI, TIMP, TIMP-1 | TIMP metallopeptidase inhibitor 1 |
| 2100 | ESR2 | ER-BETA, ESR-BETA, ESRB, ESTRB, Erb, NR3A2, ODG8 | estrogen receptor 2 |
| 355 | FAS | ALPS1A, APO-1, APT1, CD951, FASTM, TNFRSF6, FAS | Fas cell surface death receptor |
| 3481 | IGF2 | C11orf43, GRDF, IGF-II, PP9974, SRS3 | insulin like growth factor 2 |
| 5925 | RB1 | OSRC, PPP1R130, RB, p105-Rb, p110-RB1, pRb, pp110 | RB transcriptional corepressor 1 |
| 4087 | SMAD2 | JV18, JV18-1, MADH2, MADR2, hMAD-2, hSMAD2 | SMAD family member 2 |
| 2308 | FOXO1 | FKH1, FKHRA, FOXO1 | forkhead box O1 |
| 4089 | SMAD4 | DPC4, JIP, MADH4, MYHRS | SMAD family member 4 |
| 7474 | WNT5A | hWNT5A | Wnt family member 5A |
| 598 | BCL2L1 | BCL-XL/S, BCL2L, BCLX, Bcl-X, PPP1R52 | BCL2 like 1 |
| 6667 | SP1 |  | Sp1 transcription factor |
| 177 | AGER | RAGE, SCARJ1, sRAGE | advanced glycosylation end-product specific receptor |
| 1789 | DNMT3B | FSHD4, ICF, ICF1, M.HsaIIIB | DNA methyltransferase 3 beta |
| 100124700 | HOTAIR | HOXAS, HOXC-AS4, HOXC11-AS1, NCRNA00072 | HOX transcript antisense RNA |
| 2321 | FLT1 | FLT, FLT-1, VEGFR-1, VEGFR1 | fms related receptor tyrosine kinase 1 |
| 216 | ALDH1A1 | ALDC, ALDH-E1, ALDH1, ALDH11, HEL-9, HEL-S-53e, HEL12, PUMB1, RALDH1 | aldehyde dehydrogenase 1 family member A1 |
| 6714 | SRC | ASV1, THC6, c-SRC, p60-Src, SRC | SRC proto-oncogene, non-receptor tyrosine kinase |
| 6469 | SHH | HHG1, HLP3, HPE3, MCOPCB5, SMMCI, ShhNC, TPT, TPTPS | sonic hedgehog signaling molecule |
| 3606 | IL18 | IGIF, IL-18, IL-1g, IL1F4 | interleukin 18 |
| 3309 | HSPA5 | BIP, GRP78, HEL-S-89n | heat shock protein family A (Hsp70) member 5 |
| 1277 | COL1A1 | CAFYD, EDSARTH1, EDSC, OI1, OI2, OI3, OI4 | collagen type I alpha 1 chain |
| 2735 | GLI1 | GLI, PAPA8, PPD1 | GLI family zinc finger 1 |
| 3690 | ITGB3 | BDPLT16, BDPLT2, BDPLT24, CD61, GP3A, GPIIIa, GT, GT2 | integrin subunit beta 3 |
| 581 | BAX | BCL2L4 | BCL2 associated X, apoptosis regulator |
| 836 | CASP3 | CPP32, CPP32B, SCA-1 | caspase 3 |
| 4282 | MIF | GIF, GLIF, MMIF | macrophage migration inhibitory factor |
| 5133 | PDCD1 | CD279, PD-1, PD1, SLEB2, hPD-1, hPD-l, hSLE1 | programmed cell death 1 |
| 2335 | FN1 | CIG, ED-B, FINC, FN, FNZ, GFND, GFND2, LETS, MSF, SMDCF | fibronectin 1 |
| 650 | BMP2 | BDA2A, SSFSC, SSFSC1, BMP2 | bone morphogenetic protein 2 |
| 6935 | ZEB1 | AREB6, BZP, DELTAEF1, FECD6, NIL2A, PPCD3, TCF8, ZFHEP, ZFHX1A | zinc finger E-box binding homeobox 1 |
| 5315 | PKM | CTHBP, HEL-S-30, OIP3, PK32, TCB, THBP1, p58, PKM | pyruvate kinase M1/2 |
| 5578 | PRKCA | AAG6, PKC-alpha, PKCA, PKCI+/-, PKCalpha, PRKACA | protein kinase C alpha |
| 6790 | AURKA | AIK, ARK1, AURA, BTAK, PPP1R47, STK15, STK6, STK7 | aurora kinase A |
| 154 | ADRB2 | ADRB2R, ADRBR, B2AR, BAR, BETA2AR | adrenoceptor beta 2 |
| 652 | BMP4 | BMP2B, BMP2B1, MCOPS6, OFC11, ZYME | bone morphogenetic protein 4 |
| 23028 | KDM1A | AOF2, BHC110, CPRF, KDM1, LSD1 | lysine demethylase 1A |
| 3953 | LEPR | CD295, LEP-RD, OB-R, OBR, LEPR | leptin receptor |
| 4582 | MUC1 | ADMCKD, ADMCKD1, ADTKD2, CA 15-3, CD227, Ca15-3, EMA, H23AG, KL-6, MAM6, MCD, MCKD, MCKD1, MUC-1, MUC-1/SEC, MUC-1/X/ZD, PEM, PEMT, PUM, MUC1 | mucin 1, cell surface associated |
| 5347 | PLK1 | PLK, STPK13 | polo like kinase 1 |
| 6532 | SLC6A4 | 5-HTT, 5-HTTLPR, 5HTT, HTT, OCD1, SERT, SERT1, hSERT | solute carrier family 6 member 4 |
| 6648 | SOD2 | GClnc1, IPO-B, IPOB, MNSOD, MVCD6, Mn-SOD | superoxide dismutase 2 |
| 4288 | MKI67 | KIA, MIB-, MIB-1, PPP1R105 | marker of proliferation Ki-67 |
| 100133941 | CD24 | CD24A | CD24 molecule |
| 6647 | SOD1 | ALS, ALS1, HEL-S-44, IPOA, SOD, STAHP, hSod1, homodimer | superoxide dismutase 1 |
| 5599 | MAPK8 | JNK, JNK-46, JNK1, JNK1A2, JNK21B1/2, PRKM8, SAPK1, SAPK1c | mitogen-activated protein kinase 8 |
| 3685 | ITGAV | CD51, MSK8, VNRA, VTNR | integrin subunit alpha V |
| 1869 | E2F1 | E2F-1, RBAP1, RBBP3, RBP3 | E2F transcription factor 1 |
| 10763 | NES | Nbla00170 | nestin |
| 185 | AGTR1 | AG2SB, AT1, AT1AR, AT1B, AT1BR, AT1R, AT2R1, HAT1R, AGTR1 | angiotensin II receptor type 1 |
| 4170 | MCL1 | BCL2L3, EAT-ES, MCL1L, MCL1S, Mcl-1, TM, bcl2-L-3, mcl1/EAT, MCL1 | MCL1 apoptosis regulator, BCL2 family member |
| 196 | AHR | RP85, bHLHe76 | aryl hydrocarbon receptor |
| 3486 | IGFBP3 | BP-53, IBP3 | insulin like growth factor binding protein 3 |
| 6622 | SNCA | NACP, PARK1, PARK4, PD1 | synuclein alpha |
| 1588 | CYP19A1 | ARO, ARO1, CPV1, CYAR, CYP19, CYPXIX, P-450AROM | cytochrome P450 family 19 subfamily A member 1 |
| 4255 | MGMT |  | O-6-methylguanine-DNA methyltransferase |
| 9201 | DCLK1 | CL1, CLICK1, DCAMKL1, DCDC3A, DCLK | doublecortin like kinase 1 |
| 79923 | NANOG |  | Nanog homeobox |
| 54106 | TLR9 | CD289 | toll like receptor 9 |
| 682 | BSG | 5F7, CD147, EMMPRIN, EMPRIN, HAb18G, OK, TCSF | basigin (Ok blood group) |
| 8091 | HMGA2 | BABL, HMGI-C, HMGIC, LIPO, SRS5, STQTL9 | high mobility group AT-hook 2 |
| 7412 | VCAM1 | CD106, INCAM-100 | vascular cell adhesion molecule 1 |
| 4982 | TNFRSF11B | OCIF, OPG, PDB5, TR1 | TNF receptor superfamily member 11b |
| 2260 | FGFR1 | BFGFR, CD331, CEK, ECCL, FGFBR, FGFR-1, FLG, FLT-2, FLT2, HBGFR, HH2, HRTFDS, KAL2, N-SAM, OGD, bFGF-R-1 | fibroblast growth factor receptor 1 |
| 6772 | STAT1 | CANDF7, IMD31A, IMD31B, IMD31C, ISGF-3, STAT91 | signal transducer and activator of transcription 1 |
| 1019 | CDK4 | CMM3, PSK-J3 | cyclin dependent kinase 4 |
| 51738 | GHRL | MTLRP | ghrelin and obestatin prepropeptide |
| 10631 | POSTN | OSF-2, OSF2, PDLPOSTN, PN | periostin |
| 6513 | SLC2A1 | CSE, DYT17, DYT18, DYT9, EIG12, GLUT, GLUT-1, GLUT1, GLUT1DS, HTLVR, PED, SDCHCN | solute carrier family 2 member 1 |
| 2130 | EWSR1 | EWS, EWS-FLI1, bK984G1.4 | EWS RNA binding protein 1 |
| 4843 | NOS2 | HEP-NOS, INOS, NOSA, NOS2 | nitric oxide synthase 2 |
| 4763 | NF1 | NFNS, VRNF, WSS | neurofibromin 1 |
| 23405 | DICER1 | DCR1, Dicer, Dicer1e, GLOW, HERNA, K12H4.8-LIKE, MNG1, RMSE2, aviD | dicer 1, ribonuclease III |
| 2152 | F3 | CD142, TF, TFA | coagulation factor III, tissue factor |
| 25937 | WWTR1 | TAZ | WW domain containing transcription regulator 1 |
| 1080 | CFTR | ABC35, ABCC7, CF/MRP, MRP7, TNR-CFTR, dJ760C5.1, CFTR | CF transmembrane conductance regulator |
| 328 | APEX1 | APE, APE1, APEN, APEX, APX, HAP1, REF1 | apurinic/apyrimidinic endodeoxyribonuclease 1 |
| 3565 | IL4 | BCGF-1, BCGF1, BSF-1, BSF1, IL-4 | interleukin 4 |
| 1906 | EDN1 | ARCND3, ET1, HDLCQ7, PPET1, QME | endothelin 1 |
| 983 | CDK1 | CDC2, CDC28A, P34CDC2 | cyclin dependent kinase 1 |
| 6794 | STK11 | LKB1, PJS, hLKB1 | serine/threonine kinase 11 |
| 5300 | PIN1 | DOD, UBL5 | peptidylprolyl cis/trans isomerase, NIMA-interacting 1 |
| 841 | CASP8 | ALPS2B, CAP4, Casp-8, FLICE, MACH, MCH5 | caspase 8 |
| 5888 | RAD51 | BRCC5, FANCR, HRAD51, HsRad51, HsT16930, MRMV2A, RECA, RAD51 | RAD51 recombinase |
| 378938 | MALAT1 | HCN, LINC00047, NCRNA00047, NEAT2, PRO2853 | metastasis associated lung adenocarcinoma transcript 1 |
| 3084 | NRG1 | ARIA, GGF, GGF2, HGL, HRG, HRG1, HRGA, MST131, MSTP131, NDF-IT2, SMDF, NRG1 | neuregulin 1 |
| 8829 | NRP1 | BDCA4, CD304, NP1, NRP, VEGF165R | neuropilin 1 |
| 3678 | ITGA5 | CD49e, FNRA, VLA-5, VLA5A | integrin subunit alpha 5 |
| 7097 | TLR2 | CD282, TIL4 | toll like receptor 2 |
| 5979 | RET | CDHF12, CDHR16, HSCR1, MEN2A, MEN2B, MTC1, PTC-ELE1, RET | ret proto-oncogene |
| 3065 | HDAC1 | GON-10, HD1, KDAC1, RPD3, RPD3L1 | histone deacetylase 1 |
| 655 | BMP7 | OP-1 | bone morphogenetic protein 7 |
| 7161 | TP73 | CILD47, P73 | tumor protein p73 |
| 4436 | MSH2 | COCA1, FCC1, HNPCC, HNPCC1, LCFS2, MMRCS2, hMSH2 | mutS homolog 2 |
| 25 | ABL1 | ABL, BCR-ABL, CHDSKM, JTK7, bcr/abl, c-ABL, c-ABL1, p150, v-abl | ABL proto-oncogene 1, non-receptor tyrosine kinase |
| 6331 | SCN5A | CDCD2, CMD1E, CMPD2, HB1, HB2, HBBD, HH1, ICCD, IVF, LQT3, Nav1.5, PFHB1, SSS1, VF1 | sodium voltage-gated channel alpha subunit 5 |
| 356 | FASLG | ALPS1B, APT1LG1, APTL, CD178, CD95-L, CD95L, FASL, TNFSF6, TNLG1A | Fas ligand |
| 406913 | MIR126 | MIRN126, miRNA126, mir-126 | microRNA 126 |
| 1050 | CEBPA | C/EBP-alpha, CEBP | CCAAT enhancer binding protein alpha |
| 2706 | GJB2 | BAPS, CX26, DFNA3, DFNA3A, DFNB1, DFNB1A, HID, KID, NSRD1, PPK | gap junction protein beta 2 |
| 3105 | HLA-A | HLAA | major histocompatibility complex, class I, A |
| 3106 | HLA-B | AS, B-4901, HLAB | major histocompatibility complex, class I, B |
| 1813 | DRD2 | D2DR, D2R | dopamine receptor D2 |
| 9423 | NTN1 | MRMV4L, NTN1 | netrin 1 |
| 1116 | CHI3L1 | ASRT7, CGP-39, GP-39, GP39, HC-gp39, HCGP-3P, YK-40, YKL-40, YKL40, YYL-40, hCGP-39 | chitinase 3 like 1 |
| 8678 | BECN1 | ATG6, VPS30, beclin1 | beclin 1 |
| 3643 | INSR | CD220, HHF5 | insulin receptor |
| 7098 | TLR3 | CD283, IIAE2, IMD83 | toll like receptor 3 |
| 1111 | CHEK1 | CHK1 | checkpoint kinase 1 |
| 4968 | OGG1 | HMMH, HOGG1, MUTM, OGH1 | 8-oxoguanine DNA glycosylase |
| 10135 | NAMPT | 1110035O14Rik, PBEF, PBEF1, VF, VISFATIN | nicotinamide phosphoribosyltransferase |
| 55384 | MEG3 | FP504, GTL2, LINC00023, NCRNA00023, PRO0518, PRO2160, onco-lncRNA-83, prebp1 | maternally expressed 3 |
| 2896 | GRN | CLN11, GEP, GP88, PCDGF, PEPI, PGRN | granulin precursor |
| 2625 | GATA3 | HDR, HDRS | GATA binding protein 3 |
| 114548 | NLRP3 | AGTAVPRL, AII, AVP, C1orf7, CIAS1, CLR1.1, DFNA34, FCAS, FCAS1, FCU, KEFH, MWS, NALP3, PYPAF1 | NLR family pyrin domain containing 3 |
| 1994 | ELAVL1 | ELAV1, HUR, Hua, MelG | ELAV like RNA binding protein 1 |
| 3655 | ITGA6 | CD49fB, VLA-6, ITGA6 | integrin subunit alpha 6 |
| 5329 | PLAUR | CD87, U-PAR, UPAR, URKR | plasminogen activator, urokinase receptor |
| 4854 | NOTCH3 | CADASIL, CADASIL1, CASIL, IMF2, LMNS | notch receptor 3 |
| 7471 | WNT1 | BMND16, INT1, OI15 | Wnt family member 1 |
| 4804 | NGFR | CD271, Gp80-LNGFR, TNFRSF16, p75(NTR), p75NTR | nerve growth factor receptor |
| 10013 | HDAC6 | CPBHM, HD6, JM21, PPP1R90 | histone deacetylase 6 |
| 4323 | MMP14 | MMP-14, MMP-X1, MT-MMP, MT-MMP 1, MT1-MMP, MT1MMP, MTMMP1, WNCHRS | matrix metallopeptidase 14 |
| 407021 | MIR29A | MIRN29, MIRN29A, hsa-mir-29, hsa-mir-29a, miRNA29A, mir-29a | microRNA 29a |
| 1490 | CCN2 | CTGF, HCS24, IGFBP8, NOV2 | cellular communication network factor 2 |
| 3627 | CXCL10 | C7, IFI10, INP10, IP-10, SCYB10, crg-2, gIP-10, mob-1 | C-X-C motif chemokine ligand 10 |
| 3315 | HSPB1 | CMT2F, HEL-S-102, HMN2B, HS.76067, HSP27, HSP28, Hsp25, SRP27 | heat shock protein family B (small) member 1 |
| 3880 | KRT19 | CK19, K19, K1CS | keratin 19 |
| 3320 | HSP90AA1 | EL52, HEL-S-65p, HSP86, HSP89A, HSP90A, HSP90N, HSPC1, HSPCA, HSPCAL1, HSPCAL4, HSPN, Hsp103, Hsp89, Hsp90, LAP-2, LAP2 | heat shock protein 90 alpha family class A member 1 |
| 7052 | TGM2 | G(h), TG(C), TGC, hTG2, tTG | transglutaminase 2 |
| 998 | CDC42 | CDC42Hs, G25K, TKS | cell division cycle 42 |
| 6093 | ROCK1 | P160ROCK, ROCK-I | Rho associated coiled-coil containing protein kinase 1 |
| 1958 | EGR1 | AT225, G0S30, KROX-24, NGFI-A, TIS8, ZIF-268, ZNF225 | early growth response 1 |
| 5071 | PRKN | AR-JP, LPRS2, PARK2, PDJ | parkin RBR E3 ubiquitin protein ligase |
| 7450 | VWF | F8VWF, VWD | von Willebrand factor |
| 2322 | FLT3 | CD135, FLK-2, FLK2, STK1 | fms related receptor tyrosine kinase 3 |
| 5562 | PRKAA1 | AMPK, AMPK alpha 1, AMPKa1 | protein kinase AMP-activated catalytic subunit alpha 1 |
| 2065 | ERBB3 | ErbB-3, FERLK, HER3, LCCS2, MDA-BF-1, VSCN1, c-erbB-3, c-erbB3, erbB3-S, p180-ErbB3, p45-sErbB3, p85-sErbB3 | erb-b2 receptor tyrosine kinase 3 |
| 4072 | EPCAM | Ber-Ep4, BerEp4, DIAR5, EGP-2, EGP314, EGP40, ESA, HNPCC8, KS1/4, KSA, M4S1, MIC18, MK-1, MOC-31, TACSTD1, TROP1 | epithelial cell adhesion molecule |
| 302 | ANXA2 | ANX2, ANX2L4, CAL1H, HEL-S-270, LIP2, LPC2, LPC2D, P36, PAP-IV | annexin A2 |
| 5465 | PPARA | NR1C1, PPAR, PPAR-alpha, PPARalpha, hPPAR | peroxisome proliferator activated receptor alpha |
| 55294 | FBXW7 | AGO, CDC4, FBW6, FBW7, FBX30, FBXO30, FBXW6, SEL-10, SEL10, hAgo, hCdc4 | F-box and WD repeat domain containing 7 |
| 406935 | MIR143 | MIRN143, mir-143 | microRNA 143 |
| 5295 | PIK3R1 | AGM7, GRB1, IMD36, p85, p85-ALPHA | phosphoinositide-3-kinase regulatory subunit 1 |
| 7431 | VIM |  | vimentin |
| 920 | CD4 | CD4mut, IMD79, OKT4D | CD4 molecule |
| 864 | RUNX3 | AML2, CBFA3, PEBP2aC | RUNX family transcription factor 3 |
| 8878 | SQSTM1 | A170, DMRV, FTDALS3, NADGP, OSIL, PDB3, ZIP3, p60, p62, p62B | sequestosome 1 |
| 4162 | MCAM | CD146, HEMCAM, METCAM, MUC18, MelCAM | melanoma cell adhesion molecule |
| 407018 | MIR27A | MIR27, MIRN27A, mir-27a | microRNA 27a |
| 5621 | PRNP | ASCR, AltPrP, CD230, CJD, GSS, KURU, PRIP, PrP, PrP27-30, PrP33-35C, PrPc, p27-30 | prion protein |
| 3630 | INS | IDDM, IDDM1, IDDM2, ILPR, IRDN, MODY10, PNDM4 | insulin |
| 331 | XIAP | API3, BIRC4, IAP-3, ILP1, MIHA, XLP2, hIAP-3, hIAP3 | X-linked inhibitor of apoptosis |
| 6615 | SNAI1 | SLUGH2, SNA, SNAH, SNAIL, SNAIL1, dJ710H13.1 | snail family transcriptional repressor 1 |
| 6591 | SNAI2 | SLUG, SLUGH, SLUGH1, SNAIL2, WS2D | snail family transcriptional repressor 2 |
| 11186 | RASSF1 | 123F2, NORE2AA, RDA32, REH3P21, RASSF1 | Ras association domain family member 1 |
| 5328 | PLAU | ATF, BDPLT5, QPD, UPA, URK, u-PA | plasminogen activator, urokinase |
| 406932 | MIR140 | MIRN140, SEDN, miRNA140, mir-140 | microRNA 140 |
| 9965 | FGF19 |  | fibroblast growth factor 19 |
| 406992 | MIR210 | MIRN210, mir-210 | microRNA 210 |
| 7046 | TGFBR1 | AAT5, ACVRLK4, ALK-5, ALK5, ESS1, LDS1, LDS1A, LDS2A, MSSE, SKR4, TBR-i, TBRI, TGFR-1, tbetaR-I | transforming growth factor beta receptor 1 |
| 3708 | ITPR1 | ACV, CLA4, INSP3R1, IP3R, IP3R1, PPP1R94, SCA15, SCA16, SCA29 | inositol 1,4,5-trisphosphate receptor type 1 |
| 1051 | CEBPB | C/EBP-beta, IL6DBP, NF-IL6, TCF5 | CCAAT enhancer binding protein beta |
| 5781 | PTPN11 | BPTP3, CFC, JMML, METCDS, NS1, PTP-1D, PTP2C, SH-PTP2, SH-PTP3, SHP2 | protein tyrosine phosphatase non-receptor type 11 |
| 494324 | MIR375 | MIRN375, hsa-mir-375, miRNA375, mir-375 | microRNA 375 |
| 2261 | FGFR3 | ACH, CD333, CEK2, HSFGFR3EX, JTK4 | fibroblast growth factor receptor 3 |
| 8651 | SOCS1 | AISIMD, CIS1, CISH1, JAB, SOCS-1, SSI-1, SSI1, TIP-3, TIP3 | suppressor of cytokine signaling 1 |
| 10891 | PPARGC1A | LEM6, PGC-1(alpha), PGC-1alpha, PGC-1v, PGC1, PGC1A, PPARGC1 | PPARG coactivator 1 alpha |
| 5591 | PRKDC | DNA-PKC, DNA-PKcs, DNAPK, DNAPKc, DNPK1, HYRC, HYRC1, IMD26, XRCC7, p350 | protein kinase, DNA-activated, catalytic subunit |
| 7430 | EZR | CVIL, CVL, HEL-S-105, VIL2 | ezrin |
| 182 | JAG1 | AGS, AGS1, AHD, AWS, CD339, CMT2HH, DCHE, HJ1, JAGL1 | jagged canonical Notch ligand 1 |
| 7153 | TOP2A | TOP2, TOP2alpha, TOPIIA, TP2A | DNA topoisomerase II alpha |
| 947 | CD34 |  | CD34 molecule |
| 4988 | OPRM1 | LMOR, M-OR-1, MOP, MOR, MOR1, OPRM | opioid receptor mu 1 |
| 3159 | HMGA1 | HMG-RA, HMGIY, HMGA1 | high mobility group AT-hook 1 |
| 6868 | ADAM17 | ADAM18, CD156B, CSVP, NISBD, NISBD1, TACE | ADAM metallopeptidase domain 17 |
| 283131 | NEAT1 | LINC00084, NCRNA00084, TncRNA, VINC | nuclear paraspeckle assembly transcript 1 |
| 4204 | MECP2 | AUTSX3, MRX16, MRX79, MRXS13, MRXSL, PPMX, RS, RTS, RTT | methyl-CpG binding protein 2 |
| 4363 | ABCC1 | ABC29, ABCC, DFNA77, GS-X, MRP, MRP1 | ATP binding cassette subfamily C member 1 |
| 3417 | IDH1 | HEL-216, HEL-S-26, IDCD, IDH, IDP, IDPC, PICD | isocitrate dehydrogenase (NADP(+)) 1 |
| 11315 | PARK7 | DJ-1, DJ1, GATD2, HEL-S-67p | Parkinsonism associated deglycase |
| 9021 | SOCS3 | ATOD4, CIS3, Cish3, SOCS-3, SSI-3, SSI3 | suppressor of cytokine signaling 3 |
| 768 | CA9 | CAIX, MN | carbonic anhydrase 9 |
| 558 | AXL | ARK, JTK11, Tyro7, UFO | AXL receptor tyrosine kinase |
| 335 | APOA1 | HPALP2, apo(a) | apolipoprotein A1 |
| 5371 | PML | MYL, PP8675, RNF71, TRIM19 | PML nuclear body scaffold |
| 406985 | MIR200C | MIRN200C, mir-200c | microRNA 200c |
| 5027 | P2RX7 | P2X7 | purinergic receptor P2X 7 |
| 3014 | H2AX | H2A.X, H2A/X, H2AFX | H2A.X variant histone |
| 1788 | DNMT3A | DNMT3A2, HESJAS, M.HsaIIIA, TBRS | DNA methyltransferase 3 alpha |
| 5156 | PDGFRA | CD140A, PDGFR-2, PDGFR2 | platelet derived growth factor receptor alpha |
| 4869 | NPM1 | B23, NPM | nucleophosmin 1 |
| 4904 | YBX1 | BP-8, CBF-A, CSDA2, CSDB, DBPB, EFI-A, MDR-NF1, NSEP-1, NSEP1, YB-1, YB1 | Y-box binding protein 1 |
| 406986 | MIR203A | MIR203, MIRN203, hsa-mir-203a, miR-203, miRNA203, mir-203a | microRNA 203a |
| 7077 | TIMP2 | CSC-21K, DDC8 | TIMP metallopeptidase inhibitor 2 |
| 59272 | ACE2 | ACEH | angiotensin converting enzyme 2 |
| 5580 | PRKCD | ALPS3, CVID9, MAY1, PKCD, nPKC-delta | protein kinase C delta |
| 406907 | MIR124-1 | MIR124A, MIR124A1, MIRN124-1, MIRN124A1, mir-124-1 | microRNA 124-1 |
| 6401 | SELE | CD62E, ELAM, ELAM1, ESEL, LECAM2 | selectin E |
| 3557 | IL1RN | DIRA, ICIL-1RA, IL-1RN, IL-1ra, IL-1ra3, IL1F3, IL1RA, IRAP, MVCD4 | interleukin 1 receptor antagonist |
| 7158 | TP53BP1 | 53BP1, TDRD30, p202, p53BP1 | tumor protein p53 binding protein 1 |
| 4803 | NGF | Beta-NGF, HSAN5B, NGF | nerve growth factor |
| 406910 | MIR125A | MIRN125A, miRNA125A, mir-125a | microRNA 125a |
| 64127 | NOD2 | ACUG, BLAU, BLAUS, CARD15, CD, CLR16.3, IBD1, NLRC2B, PSORAS1, YAOS, NOD2 | nucleotide binding oligomerization domain containing 2 |
| 7070 | THY1 | CD90, CDw90 | Thy-1 cell surface antigen |
| 9365 | KL | HFTC3A, KL | klotho |
| 6502 | SKP2 | FBL1, FBXL1, FLB1, p45 | S-phase kinase associated protein 2 |
| 8289 | ARID1A | B120, BAF250, BAF250a, BM029, C1orf4, CSS2, ELD, MRD14, OSA1, P270, SMARCF1, hELD, hOSA1 | AT-rich interaction domain 1A |
| 79727 | LIN28A | CSDD1, LIN-28, LIN28, ZCCHC1, lin-28A | lin-28 homolog A |
| 8549 | LGR5 | FEX, GPR49, GPR67, GRP49, HG38 | leucine rich repeat containing G protein-coupled receptor 5 |
| 407006 | MIR221 | MIRN221, miRNA221, mir-221 | microRNA 221 |
| 2778 | GNAS | AHO, C20orf451, GPSA, GSA, GSP, NESP, PITA3, POH, SCG6, SgVI, GNAS | GNAS complex locus |
| 4907 | NT5E | CALJA, CD73, E5NT, NT, NT5, NTE, eN, eNT | 5'-nucleotidase ecto |
| 898 | CCNE1 | CCNE, pCCNE1 | cyclin E1 |
| 6275 | S100A4 | 18A2, 42A, CAPL, FSP1, MTS1, P9KA, PEL98 | S100 calcium binding protein A4 |
| 6548 | SLC9A1 | APNH, LIKNS, NHE-1, NHE1, PPP1R143 | solute carrier family 9 member A1 |
| 2852 | GPER1 | CEPR, CMKRL2, DRY12, FEG-1, GPCR-Br, GPER, GPR30, LERGU, LERGU2, LyGPR, mER | G protein-coupled estrogen receptor 1 |
| 4615 | MYD88 | IMD68D, MYD88 | MYD88 innate immune signal transduction adaptor |
| 1000 | CDH2 | ACOGS, ARVD14, CD325, CDHN, CDw325, NCAD | cadherin 2 |
| 2113 | ETS1 | ETS-1, EWSR2, c-ets-1, p54 | ETS proto-oncogene 1, transcription factor |
| 406952 | MIR17 | MIR17-5p, MIR91, MIRN17, MIRN91, hsa-mir-17, miR-17, miR17-3p, miRNA17, miRNA91 | microRNA 17 |
| 4322 | MMP13 | CLG3, MANDP1, MDST, MMP-13 | matrix metallopeptidase 13 |
| 2919 | CXCL1 | FSP, GRO1, GROa, MGSA, MGSA-a, NAP-3, SCYB1 | C-X-C motif chemokine ligand 1 |
| 1969 | EPHA2 | ARCC2, CTPA, CTPP1, CTRCT6, ECK | EPH receptor A2 |
| 217 | ALDH2 | ALDH-E2, ALDHI, ALDM | aldehyde dehydrogenase 2 family member |
| 6776 | STAT5A | MGF, STAT5 | signal transducer and activator of transcription 5A |
| 5617 | PRL | GHA1 | prolactin |
| 301 | ANXA1 | ANX1, LPC1 | annexin A1 |
| 23435 | TARDBP | ALS10, TDP-43 | TAR DNA binding protein |
| 406928 | MIR137 | MIRN137, miR-137 | microRNA 137 |
| 6678 | SPARC | BM-40, OI17, ON, ONT | secreted protein acidic and cysteine rich |
| 2056 | EPO | DBAL, ECYT5, EP, MVCD2 | erythropoietin |
| 2547 | XRCC6 | CTC75, CTCBF, G22P1, KU70, ML8, TLAA | X-ray repair cross complementing 6 |
| 2332 | FMR1 | FMRP, FRAXA, POF, POF1 | FMRP translational regulator 1 |
| 718 | C3 | AHUS5, ARMD9, ASPa, C3b, CPAMD1, HEL-S-62p, C3 | complement C3 |
| 3925 | STMN1 | C1orf215, LAP18, Lag, OP18, PP17, PP19, PR22, SMN | stathmin 1 |
| 3600 | IL15 | IL-15 | interleukin 15 |
| 5294 | PIK3CG | PI3CG, PI3K, PI3Kgamma, PIK3, p110gamma, p120-PI3K | phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma |
| 57007 | ACKR3 | CMKOR1, CXC-R7, CXCR-7, CXCR7, GPR159, RDC-1, RDC1 | atypical chemokine receptor 3 |
| 3043 | HBB | CD113t-C, ECYT6, beta-globin | hemoglobin subunit beta |
| 2149 | F2R | CF2R, HTR, PAR-1, PAR1, TR | coagulation factor II thrombin receptor |
| 406931 | MIR139 | MIR139-3p, MIRN139, mir-139 | microRNA 139 |
| 4297 | KMT2A | ALL-1, CXXC7, HRX, HTRX1, MLL, MLL1, MLL1A, TRX1, WDSTS | lysine methyltransferase 2A |
| 3956 | LGALS1 | GAL1, GBP | galectin 1 |
| 3066 | HDAC2 | HD2, KDAC2, RPD3, YAF1 | histone deacetylase 2 |
| 406982 | MIR20A | C13orf25, MIR17HG, MIR20, MIRH1, MIRHG1, MIRN20, MIRN20A, hsa-mir-20, hsa-mir-20a, miR-20, miRNA20A, mir-20a | microRNA 20a |
| 3075 | CFH | AHUS1, AMBP1, ARMD4, ARMS1L3, FH, FHL1, HF, HF1, HF2, HUS, CFH | complement factor H |
| 407029 | MIR30A | MIRN30A, mir-30a | microRNA 30a |
| 8795 | TNFRSF10B | CD262, DR5, KILLER, KILLER/DR5, TRAIL-R2, TRAILR2, TRICK2, TRICK2A, TRICK2B, TRICKB, ZTNFR9 | TNF receptor superfamily member 10b |
| 6198 | RPS6KB1 | PS6K, S6K, S6K-beta-1, S6K1, STK14A, p70 S6KA, p70(S6K)-alpha, p70-S6K, p70-alpha | ribosomal protein S6 kinase B1 |
| 406906 | MIR122 | MIR122A, MIRN122, MIRN122A, hsa-mir-122, miRNA122, miRNA122A, mir-122 | microRNA 122 |
| 7528 | YY1 | DELTA, GADEVS, INO80S, NF-E1, UCRBP, YIN-YANG-1 | YY1 transcription factor |
| 9518 | GDF15 | GDF-15, MIC-1, MIC1, NAG-1, PDF, PLAB, PTGFB | growth differentiation factor 15 |
| 3875 | KRT18 | CK-18, CYK18, K18 | keratin 18 |
| 2069 | EREG | EPR, ER, Ep | epiregulin |
| 406893 | MIR101-1 | MIRN101-1, mir-101-1 | microRNA 101-1 |
| 2022 | ENG | END, HHT1, ORW1 | endoglin |
| 5159 | PDGFRB | CD140B, IBGC4, IMF1, JTK12, KOGS, PDGFR, PDGFR-1, PDGFR1, PENTT | platelet derived growth factor receptor beta |
| 406911 | MIR125B1 | MIRN125B1, mir-125b-1 | microRNA 125b-1 |
| 3939 | LDHA | GSD11, HEL-S-133P, LDHM, PIG19 | lactate dehydrogenase A |
| 7132 | TNFRSF1A | CD120a, FPF, TBP1, TNF-R, TNF-R-I, TNF-R55, TNFAR, TNFR1, TNFR55, TNFR60, p55, p55-R, p60 | TNF receptor superfamily member 1A |
| 1457 | CSNK2A1 | CK2A1, CKII, Cka1, Cka2, OCNDS | casein kinase 2 alpha 1 |
| 5111 | PCNA | ATLD2 | proliferating cell nuclear antigen |
| 8877 | SPHK1 | SPHK | sphingosine kinase 1 |
| 847 | CAT |  | catalase |
| 3491 | CCN1 | CYR61, GIG1, IGFBP10 | cellular communication network factor 1 |
| 80312 | TET1 | CXXC6, LCX, bA119F7.1 | tet methylcytosine dioxygenase 1 |
| 23410 | SIRT3 | SIR2L3 | sirtuin 3 |
| 51741 | WWOX | D16S432E, DEE28, EIEE28, FOR, FRA16D, HHCMA56, PRO0128, SCAR12, SDR41C1, WOX1 | WW domain containing oxidoreductase |
| 1559 | CYP2C9 | CPC9, CYP2C, CYP2C10, CYPIIC9, P450-2C9, P450IIC9 | cytochrome P450 family 2 subfamily C member 9 |
| 284 | ANGPT1 | AGP1, AGPT, ANG1, HAE5 | angiopoietin 1 |
| 3397 | ID1 | ID, bHLHb24 | inhibitor of DNA binding 1, HLH protein |
| 5176 | SERPINF1 | EPC-1, OI12, OI6, PEDF, PIG35 | serpin family F member 1 |
| 1236 | CCR7 | BLR2, CC-CKR-7, CCR-7, CD197, CDw197, CMKBR7, EBI1 | C-C motif chemokine receptor 7 |
| 2157 | F8 | AHF, DXS1253EB, F8C, FVIII, HEMA, F8 | coagulation factor VIII |
| 7428 | VHL | HRCA1, RCA11, pVHL, VHL | von Hippel-Lindau tumor suppressor |
| 1021 | CDK6 | MCPH12, PLSTIRE | cyclin dependent kinase 6 |
| 6777 | STAT5B | GHISID2, STAT5 | signal transducer and activator of transcription 5B |
| 3169 | FOXA1 | HNF3A, TCF3A | forkhead box A1 |
| 84868 | HAVCR2 | CD366, HAVcr-2, KIM-3, SPTCL, TIM3, TIMD-3, TIMD3, Tim-3 | hepatitis A virus cellular receptor 2 |
| 3673 | ITGA2 | BR, CD49B, GPIa, HPA-5, VLA-2, VLAA2 | integrin subunit alpha 2 |
| 338 | APOB | FCHL2, FLDB, LDLCQ4, apoB-100, apoB-48 | apolipoprotein B |
| 3371 | TNC | 150-225, DFNA56, GMEM, GP, HXB, JI, TN, TN-C | tenascin C |
| 407004 | MIR22 | MIRN22, hsa-mir-22, miR-22 | microRNA 22 |
| 3485 | IGFBP2 | IBP2, IGF-BP53 | insulin like growth factor binding protein 2 |
| 3064 | HTT | HD, IT15, LOMARS | huntingtin |
| 89780 | WNT3A |  | Wnt family member 3A |
| 406881 | MIRLET7A1 | LET7A1, MIRNLET7A1, let-7a-1 | microRNA let-7a-1 |
| 10397 | NDRG1 | CAP43, CMT4D, DRG-1, DRG1, GC4, HMSNL, NDR1, NMSL, PROXY1, RIT42, RTP, TARG1, TDD5 | N-myc downstream regulated 1 |
| 406971 | MIR195 | MIRN195, miRNA195, mir-195 | microRNA 195 |
| 9839 | ZEB2 | HSPC082, SIP-1, SIP1, SMADIP1, ZFHX1B | zinc finger E-box binding homeobox 2 |
| 23118 | TAB2 | CHTD2, MAP3K7IP2, TAB-2 | TGF-beta activated kinase 1 (MAP3K7) binding protein 2 |
| 729230 | CCR2 | CC-CKR-2, CCR-2A, CCR2B, CD192, CKR2, CKR2A, CKR2B, CMKBR2, MCP-1-R, CCR2 | C-C motif chemokine receptor 2 |
| 3570 | IL6R | CD126, HIES5, IL-1Ra, IL-6R, IL-6R-1, IL-6RA, IL6Q, IL6QTLA, IL6RQ, gp80, IL6R | interleukin 6 receptor |
| 8038 | ADAM12 | ADAM12-OT1, CAR10, MCMP, MCMPMltna, MLTN, MLTNA | ADAM metallopeptidase domain 12 |
| 5978 | REST | DFNA27, GINGF5, HGF5, NRSF, WT6, XBR | RE1 silencing transcription factor |
| 5806 | PTX3 | TNFAIP5, TSG-14 | pentraxin 3 |
| 406983 | MIR200A | MIRN200A, mir-200a | microRNA 200a |
| 2057 | EPOR | EPO-R | erythropoietin receptor |
| 7345 | UCHL1 | HEL-117, HEL-S-53, NDGOA, PARK5, PGP 9.5, PGP9.5, PGP95, SPG79, Uch-L1 | ubiquitin C-terminal hydrolase L1 |
| 6597 | SMARCA4 | BAF190, BAF190A, BRG1, CSS4, MRD16, RTPS2, SNF2, SNF2-beta, SNF2L4, SNF2LB, SWI2, hSNF2b | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4 |
| 3559 | IL2RA | CD25, IDDM10, IL2R, IMD41, TCGFR, p55 | interleukin 2 receptor subunit alpha |
| 1803 | DPP4 | ADABP, ADCP2, CD26, DPPIV, TP103 | dipeptidyl peptidase 4 |
| 94234 | FOXQ1 | HFH1 | forkhead box Q1 |
| 7133 | TNFRSF1B | CD120b, TBPII, TNF-R-II, TNF-R75, TNFBR, TNFR1B, TNFR2, TNFR80, p75, p75TNFR | TNF receptor superfamily member 1B |
| 811 | CALR | CRT, HEL-S-99n, RO, SSA, cC1qR | calreticulin |
| 406940 | MIR148A | MIRN148, MIRN148A, hsa-mir-148, mir-148a | microRNA 148a |
| 5155 | PDGFB | IBGC5, PDGF-2, PDGF2, SIS, SSV, c-sis | platelet derived growth factor subunit B |
| 407007 | MIR222 | MIRN222, miRNA222, mir-222 | microRNA 222 |
| 8792 | TNFRSF11A | CD265, FEO, LOH18CR1, ODFR, OFE, OPTB7, OSTS, PDB2, RANK, TRANCE-R, TRANCER | TNF receptor superfamily member 11a |
| 654 | BMP6 | VGR, VGR1 | bone morphogenetic protein 6 |
| 406976 | MIR199A1 | MIR-199-s, MIRN199A1, mir-199a-1 | microRNA 199a-1 |
| 7057 | THBS1 | THBS, THBS-1, TSP, TSP-1, TSP1 | thrombospondin 1 |
| 467 | ATF3 |  | activating transcription factor 3 |
| 4015 | LOX | AAT10 | lysyl oxidase |
| 7128 | TNFAIP3 | A20, AISBL, OTUD7C, TNFA1P2 | TNF alpha induced protein 3 |
| 406988 | MIR205 | MIRN205, mir-205 | microRNA 205 |
| 5770 | PTPN1 | PTP1B | protein tyrosine phosphatase non-receptor type 1 |
| 5915 | RARB | HAP, MCOPS12, NR1B2, RARbeta1, RRB2 | retinoic acid receptor beta |
| 2626 | GATA4 | ASD2, TACHD, TOF, VSD1 | GATA binding protein 4 |
| 406996 | MIR214 | MIRN214, miRNA214, mir-214 | microRNA 214 |
| 406984 | MIR200B | MIRN200B, mir-200b | microRNA 200b |
| 796 | CALCA | CALC1, CGRP, CGRP-I, CGRP-alpha, CGRP1, CT, KC, PCT | calcitonin related polypeptide alpha |
| 9817 | KEAP1 | INrf2, KLHL19 | kelch like ECH associated protein 1 |
| 959 | CD40LG | CD154, CD40L, HIGM1, IGM, IMD3, T-BAM, TNFSF5, TRAP, gp39, hCD40L | CD40 ligand |
| 406973 | MIR196A2 | MIRN196-2, MIRN196A2, mir-196a-2 | microRNA 196a-2 |
| 652995 | UCA1 | CUDR, LINC00178, NCRNA00178, UCAT1, onco-lncRNA-36 | urothelial cancer associated 1 |
| 10664 | CTCF | CFAP108, FAP108, MRD21 | CCCTC-binding factor |
| 6464 | SHC1 | SHC, SHCA | SHC adaptor protein 1 |
| 7486 | WRN | RECQ3, RECQL2, RECQL3 | WRN RecQ like helicase |
| 60674 | GAS5 | NCRNA00030, SNHG2 | growth arrest specific 5 |
| 5080 | PAX6 | AN, AN1, AN2, ASGD5, D11S812E, FVH1, MGDA, WAGR | paired box 6 |
| 406933 | MIR141 | MIRN141, mir-141 | microRNA 141 |
| 4311 | MME | CALLA, CD10, CMT2T, NEP, SCA43, SFE | membrane metalloendopeptidase |
| 1387 | CREBBP | CBP, KAT3A, MKHK1, RSTS, RSTS1 | CREB binding protein |
| 406934 | MIR142 | MIRN142, mir-142 | microRNA 142 |
| 3596 | IL13 | IL-13, P600 | interleukin 13 |
| 6256 | RXRA | NR2B1 | retinoid X receptor alpha |
| 820 | CAMP | CAP-18, CAP18, CRAMP, FALL-39, FALL39, HSD26, LL37 | cathelicidin antimicrobial peptide |
| 6869 | TACR1 | NK1R, NKIR, SPR, TAC1R | tachykinin receptor 1 |
| 2177 | FANCD2 | FA-D2, FA4, FACD, FAD, FAD2, FANCD | FA complementation group D2 |
| 4684 | NCAM1 | CD56, MSK39, NCAM | neural cell adhesion molecule 1 |
| 5566 | PRKACA | CAFD1, PKACA, PPNAD4 | protein kinase cAMP-activated catalytic subunit alpha |
| 1634 | DCN | CSCD, DSPG2, PG40, PGII, PGS2, SLRR1B | decorin |
| 389 | RHOC | ARH9, ARHC, H9, RHOH9 | ras homolog family member C |
| 4128 | MAOA | BRNRS, MAO-A | monoamine oxidase A |
| 103 | ADAR | ADAR1, AGS6, DRADA, DSH, DSRAD, G1P1, IFI-4, IFI4, K88DSRBP, P136 | adenosine deaminase RNA specific |
| 7043 | TGFB3 | ARVD, ARVD1, LDS5, RNHF, TGF-beta3 | transforming growth factor beta 3 |
| 7341 | SUMO1 | DAP1, GMP1, OFC10, PIC1, SENP2, SMT3, SMT3C, SMT3H3, UBL1 | small ubiquitin like modifier 1 |
| 133 | ADM | AM, PAMP | adrenomedullin |
| 406958 | MIR182 | MIRN182, miRNA182, mir-182 | microRNA 182 |
| 5228 | PGF | D12S1900L, PIGF, PLGF, PlGF-2, SHGC-10760, PGF | placental growth factor |
| 1491 | CTH | CSE | cystathionine gamma-lyase |
| 406950 | MIR16-1 | MIRN16-1, miRNA16-1, mir-16-1 | microRNA 16-1 |
| 407035 | MIR31 | MIRN31, hsa-mir-31, miR-31 | microRNA 31 |
| 1003 | CDH5 | 7B4, CD144 | cadherin 5 |
| 7042 | TGFB2 | G-TSF, LDS4, TGF-beta2 | transforming growth factor beta 2 |
| 842 | CASP9 | APAF-3, APAF3, ICE-LAP6, MCH6, PPP1R56 | caspase 9 |
| 1500 | CTNND1 | BCDS2, CAS, CTNND, P120CAS, P120CTN, p120, p120(CAS), p120(CTN) | catenin delta 1 |
| 406979 | MIR19A | C13orf25, MIR17HG, MIRH1, MIRHG1, MIRN19A, hsa-mir-19a, miR-19a, miRNA19A | microRNA 19a |
| 84876 | ORAI1 | CRACM1, IMD9, ORAT1, TAM2, TMEM142A | ORAI calcium release-activated calcium modulator 1 |
| 3551 | IKBKB | IKK-beta, IKK2, IKKB, IMD15, IMD15A, IMD15B, NFKBIKB | inhibitor of nuclear factor kappa B kinase subunit beta |
| 4915 | NTRK2 | DEE58, EIEE58, GP145-TrkB, OBHD, TRKB, trk-B | neurotrophic receptor tyrosine kinase 2 |
| 5914 | RARA | NR1B1, RAR | retinoic acid receptor alpha |
| 688 | KLF5 | BTEB2, CKLF, IKLF | Kruppel like factor 5 |
| 5478 | PPIA | CYPA, CYPH, HEL-S-69p | peptidylprolyl isomerase A |
| 84557 | MAP1LC3A | ATG8E, LC3, LC3A, MAP1ALC3, MAP1BLC3 | microtubule associated protein 1 light chain 3 alpha |
| 6528 | SLC5A5 | NIS, TDH1 | solute carrier family 5 member 5 |
| 3579 | CXCR2 | CD182, CDw128b, CMKAR2, IL8R2, IL8RA, IL8RB, WHIMS2 | C-X-C motif chemokine receptor 2 |
| 632 | BGLAP | BGP, OC, OCN | bone gamma-carboxyglutamate protein |
| 572 | BAD | BBC2, BCL2L8 | BCL2 associated agonist of cell death |
| 6422 | SFRP1 | FRP, FRP-1, FRP1, FrzA, SARP2 | secreted frizzled related protein 1 |
| 1612 | DAPK1 | DAPK, ROCO3 | death associated protein kinase 1 |
| 3852 | KRT5 | CK5, DDD, DDD1, EBS1, EBS2, EBS2A, EBS2B, EBS2C, EBS2D, EBS2E, EBS2F, K5A, KRT5 | keratin 5 |
| 4853 | NOTCH2 | AGS2, HJCYS, hN2 | notch receptor 2 |
| 2534 | FYN | SLK, SYN, p59-FYN | FYN proto-oncogene, Src family tyrosine kinase |
| 5245 | PHB1 | HEL-215, HEL-S-54e, PHB | prohibitin 1 |
| 10673 | TNFSF13B | BAFF, BLYS, CD257, DTL, TALL-1, TALL1, THANK, TNFSF20, TNLG7A, ZTNF4 | TNF superfamily member 13b |
| 4092 | SMAD7 | CRCS3, MADH7, MADH8 | SMAD family member 7 |
| 3611 | ILK | HEL-S-28-1, ILK-2, P59, p59ILK, ILK | integrin linked kinase |
| 3312 | HSPA8 | HEL-33, HEL-S-72p, HSC54, HSC70, HSC71, HSP71, HSP73, HSPA10, LAP-1, LAP1, NIP71 | heat shock protein family A (Hsp70) member 8 |
| 407008 | MIR223 | MIRN223, miRNA223, mir-223 | microRNA 223 |
| 5292 | PIM1 | PIM | Pim-1 proto-oncogene, serine/threonine kinase |
| 2296 | FOXC1 | ARA, ASGD3, FKHL7, FREAC-3, FREAC3, IGDA, IHG1, IRID1, RIEG3 | forkhead box C1 |
| 2521 | FUS | ALS6, ETM41, HNRNPP2, POMP75, TLS, altFUS, FUS | FUS RNA binding protein |
| 7037 | TFRC | CD71, IMD46, T9, TFR, TFR1, TR, TRFR, p90 | transferrin receptor |
| 3308 | HSPA4 | APG-2, HEL-S-5a, HS24/P52, HSPH2, RY, hsp70, hsp70RY | heat shock protein family A (Hsp70) member 4 |
| 7534 | YWHAZ | 14-3-3-zeta, HEL-S-3, HEL-S-93, HEL4, KCIP-1, POPCHAS, YWHAD | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta |
| 246778 | IL27 | IL-27, IL-27AA, IL27p28, IL30, p28, IL27 | interleukin 27 |
| 27161 | AGO2 | CASC7, EIF2C2, LESKRES, LINC00980, PPD, Q10 | argonaute RISC catalytic component 2 |
| 3488 | IGFBP5 | IBP5 | insulin like growth factor binding protein 5 |
| 6285 | S100B | NEF, S100, S100-B, S100beta | S100 calcium binding protein B |
| 7249 | TSC2 | LAM, PPP1R160, TSC4 | TSC complex subunit 2 |
| 2101 | ESRRA | ERR1, ERRa, ERRalpha, ESRL1, NR3B1 | estrogen related receptor alpha |
| 5074 | PAWR | PAR4, Par-4 | pro-apoptotic WT1 regulator |
| 2494 | NR5A2 | B1F, B1F2, CPF, FTF, FTZ-F1, FTZ-F1beta, LRH-1, LRH1, hB1F-2 | nuclear receptor subfamily 5 group A member 2 |
| 7045 | TGFBI | BIGH3, CDB1, CDG2, CDGG1, CSD, CSD1, CSD2, CSD3, EBMD, LCD1 | transforming growth factor beta induced |
| 57167 | SALL4 | DRRS, HSAL4, IVIC, ZNF797 | spalt like transcription factor 4 |
| 56616 | DIABLO | DFNA64, SMAC | diablo IAP-binding mitochondrial protein |
| 5515 | PPP2CA | NEDLBA, PP2Ac, PP2CA, PP2Calpha, RP-C | protein phosphatase 2 catalytic subunit alpha |
| 407024 | MIR29B1 | MIRN29B1, miR-29b, miRNA29B1, mir-29b-1 | microRNA 29b-1 |
| 79679 | VTCN1 | B7-H4, B7H4, B7S1, B7X, B7h.5, PRO1291, VCTN1 | V-set domain containing T cell activation inhibitor 1 |
| 5604 | MAP2K1 | CFC3, MAPKK1, MEK1, MEL, MKK1, PRKMK1 | mitogen-activated protein kinase kinase 1 |
| 2739 | GLO1 | GLOD1, GLYI, HEL-S-74 | glyoxalase I |
| 442904 | MIR335 | MIRN335, hsa-mir-335, miRNA335, mir-335 | microRNA 335 |
| 3593 | IL12B | CLMF, CLMF2, IL-12B, IMD28, IMD29, NKSF, NKSF2 | interleukin 12B |
| 2668 | GDNF | ATF, ATF1, ATF2, HFB1-GDNF, HSCR3 | glial cell derived neurotrophic factor |
| 407046 | MIR9-1 | MIRN9-1, hsa-mir-9-1, miRNA9-1, mir-9-1 | microRNA 9-1 |
| 7503 | XIST | DXS1089, DXS399E, LINC00001, NCRNA00001, SXI1, swd66 | X inactive specific transcript |
| 3456 | IFNB1 | IFB, IFF, IFN-beta, IFNB | interferon beta 1 |
| 407043 | MIR7-1 | MIRN7-1, hsa-mir-7-1, mir-7-1 | microRNA 7-1 |
| 894 | CCND2 | KIAK0002, MPPH3 | cyclin D2 |
| 406903 | MIR10B | MIRN10B, hsa-mir-10b, miRNA10B, mir-10b | microRNA 10b |
| 7518 | XRCC4 | SSMED | X-ray repair cross complementing 4 |
| 1045 | CDX2 | CDX-3/AS, CDX3, CDX2 | caudal type homeobox 2 |
| 2539 | G6PD | G6PD1 | glucose-6-phosphate dehydrogenase |
| 6863 | TAC1 | Hs.2563, NK2, NKNA, NPK, TAC2 | tachykinin precursor 1 |
| 2249 | FGF4 | FGF-4, HBGF-4, HST, HST-1, HSTF-1, HSTF1, K-FGF, KFGF | fibroblast growth factor 4 |
| 10419 | PRMT5 | HRMT1L5, HSL7, IBP72, JBP1, SKB1, SKB1Hs | protein arginine methyltransferase 5 |
| 27086 | FOXP1 | 12CC4, HSPC215, MFH, QRF1, hFKH1B | forkhead box P1 |
| 7295 | TXN | TRDX, TRX, TRX1, Trx80 | thioredoxin |
| 961 | CD47 | IAP, MER6, OA3 | CD47 molecule |
| 6319 | SCD | FADS5, MSTP0081, SCDOS, hSCD1, SCD | stearoyl-CoA desaturase |
| 1244 | ABCC2 | ABC30, CMOAT, DJS, MRP2, cMRP | ATP binding cassette subfamily C member 2 |
| 6403 | SELP | CD62, CD62P, GMP140, GRMP, LECAM3, PADGEM, PSEL | selectin P |
| 3689 | ITGB2 | CD18, LAD, LCAMB, LFA-1, MAC-1, MF17, MFI7 | integrin subunit beta 2 |
| 7189 | TRAF6 | MGC:3310, RNF85 | TNF receptor associated factor 6 |
| 51094 | ADIPOR1 | ACDCR1, CGI-45, CGI45, PAQR1, TESBP1A | adiponectin receptor 1 |
| 5168 | ENPP2 | ATX, ATX-X, AUTOTAXIN, LysoPLD, NPP2, PD-IALPHA, PDNP2 | ectonucleotide pyrophosphatase/phosphodiesterase 2 |
| 7068 | THRB | C-ERBA-2, C-ERBA-BETA, ERBA2, GRTH, NR1A2, PRTH, THR11, THRB2, TRbeta, THRB | thyroid hormone receptor beta |
| 637 | BID | FP497 | BH3 interacting domain death agonist |
| 407015 | MIR26A1 | MIR26A, MIRN26A1, mir-26a-1 | microRNA 26a-1 |
| 2623 | GATA1 | ERYF1, GATA-1, GF-1, GF1, NF-E1, NFE1, XLANP, XLTDA, XLTT | GATA binding protein 1 |
| 5727 | PTCH1 | BCNS, NBCCS, PTC, PTC1, PTCH | patched 1 |
| 26291 | FGF21 |  | fibroblast growth factor 21 |
| 2313 | FLI1 | BDPLT21, EWSR2, SIC-1 | Fli-1 proto-oncogene, ETS transcription factor |
| 3592 | IL12A | CLMF, IL-12A, NFSK, NKSF1, P35 | interleukin 12A |
| 4855 | NOTCH4 | INT3 | notch receptor 4 |
| 3099 | HK2 | HKII, HXK2 | hexokinase 2 |
| 80381 | CD276 | 4Ig-B7-H3, B7-H3, B7H3, B7RP-2 | CD276 molecule |
| 2050 | EPHB4 | CMAVM2, HFASD, HTK, LMPHM7, MYK1, TYRO11 | EPH receptor B4 |
| 8660 | IRS2 | IRS-2 | insulin receptor substrate 2 |
| 50507 | NOX4 | KOX, KOX-1, RENOX | NADPH oxidase 4 |
| 4838 | NODAL | HTX5 | nodal growth differentiation factor |
| 406892 | MIR100 | MIRN100, miR-100 | microRNA 100 |
| 574501 | MIR499A | MIR499, MIRN499, hsa-mir-499a, mir-499a | microRNA 499a |
| 2658 | GDF2 | BMP-9, BMP9, HHT5 | growth differentiation factor 2 |
| 1020 | CDK5 | LIS7, PSSALRE | cyclin dependent kinase 5 |
| 8850 | KAT2B | CAF, P/CAF, PCAF | lysine acetyltransferase 2B |
| 5008 | OSM |  | oncostatin M |
| 4771 | NF2 | ACN, BANF, SCH, merlin-1 | NF2, moesin-ezrin-radixin like (MERLIN) tumor suppressor |
| 659 | BMPR2 | BMPR-II, BMPR3, BMR2, BRK-3, POVD1, PPH1, T-ALK | bone morphogenetic protein receptor type 2 |
| 695 | BTK | AGMX1, AT, ATK, BPK, IGHD3, IMD1, PSCTK1, XLA | Bruton tyrosine kinase |
| 3589 | IL11 | AGIF, IL-11 | interleukin 11 |
| 5428 | POLG | MDP1, MIRAS, MTDPS4A, MTDPS4B, PEO1, POLGA, SANDO, SCAE, POLG | DNA polymerase gamma, catalytic subunit |
| 875 | CBS | CBSL, HIP4 | cystathionine beta-synthase |
| 5788 | PTPRC | B220, CD45, CD45R, GP180, L-CA, LCA, LY5, T200 | protein tyrosine phosphatase receptor type C |
| 26585 | GREM1 | C15DUPq, CKTSF1B1, CRAC1, CRCS4, DAND2, DRM, DUP15q, GREMLIN, HMPS, HMPS1, IHG-2, MPSH, PIG2 | gremlin 1, DAN family BMP antagonist |
| 54822 | TRPM7 | ALSPDC, CHAK, CHAK1, LTRPC7, LTrpC-7, TRP-PLIK | transient receptor potential cation channel subfamily M member 7 |
| 59341 | TRPV4 | BCYM3, CMT2C, HMSN2C, OTRPC4, SMAL, SPSMA, SSQTL1, TRP12, VRL2, VROAC | transient receptor potential cation channel subfamily V member 4 |
| 4691 | NCL | C23, Nsr1 | nucleolin |
| 4067 | LYN | JTK8, p53Lyn, p56Lyn | LYN proto-oncogene, Src family tyrosine kinase |
| 4254 | KITLG | DCUA, DFNA69, FPH2, FPHH, KL-1, Kitl, MGF, SCF, SF, SHEP7, SLF | KIT ligand |
| 3002 | GZMB | C11, CCPI, CGL-1, CGL1, CSP-B, CSPB, CTLA1, CTSGL1, HLP, SECT | granzyme B |
| 406959 | MIR183 | MIRN183, miR-183, miRNA183 | microRNA 183 |
| 249 | ALPL | AP-TNAP, APTNAP, HOPS, HPPA, HPPC, HPPI, HPPO, TNALP, TNAP, TNSALP | alkaline phosphatase, biomineralization associated |
| 574456 | MIR497 | MIRN497, hsa-mir-497, mir-497 | microRNA 497 |
| 1536 | CYBB | AMCBX2, CGD, CGDX, GP91-1, GP91-PHOX, GP91PHOX, IMD34, NOX2, p91-PHOX | cytochrome b-245 beta chain |
| 3280 | HES1 | HES-1, HHL, HRY, bHLHb39 | hes family bHLH transcription factor 1 |
| 54567 | DLL4 | AOS6, delta4, hdelta2 | delta like canonical Notch ligand 4 |
| 3329 | HSPD1 | CPN60, GROEL, HLD4, HSP-60, HSP60, HSP65, HuCHA60, SPG13 | heat shock protein family D (Hsp60) member 1 |
| 5524 | PTPA | PP2A, PPP2R4, PR53 | protein phosphatase 2 phosphatase activator |
| 407053 | MIR96 | DFNA50, MIRN96, hsa-mir-96, miR-96, miRNA96 | microRNA 96 |
| 3205 | HOXA9 | ABD-B, HOX1, HOX1.7, HOX1G | homeobox A9 |
| 6364 | CCL20 | CKb4, Exodus, LARC, MIP-3-alpha, MIP-3a, MIP3A, SCYA20, ST38 | C-C motif chemokine ligand 20 |
| 7351 | UCP2 | BMIQ4, SLC25A8, UCPH | uncoupling protein 2 |
| 406995 | MIR181A1 | MIR213, MIRN181A1, MIRN213, hsa-mir-181a-1, mir-181a-1, mir-213 | microRNA 181a-1 |
| 2833 | CXCR3 | CD182, CD183, CKR-L2, CMKAR3, GPR9, IP10-R, Mig-R, MigR | C-X-C motif chemokine receptor 3 |
| 407017 | MIR26B | MIRN26B, hsa-mir-26b, miR-26b | microRNA 26b |
| 406942 | MIR150 | MIRN150, miRNA150, mir-150 | microRNA 150 |
| 406968 | MIR193A | MIRN193, MIRN193A, mir-193a | microRNA 193a |
| 1028 | CDKN1C | BWCR, BWS, KIP2, WBS, p57, p57Kip2 | cyclin dependent kinase inhibitor 1C |
| 8517 | IKBKG | AMCBX1, EDAID1, FIP-3, FIP3, Fip3p, IKK-gamma, IKKAP1, IKKG, IMD33, IP, IP1, IP2, IPD2, NEMO, ZC2HC9 | inhibitor of nuclear factor kappa B kinase regulatory subunit gamma |
| 2246 | FGF1 | AFGF, ECGF, ECGF-beta, ECGFA, ECGFB, FGF-1, FGF-alpha, FGFA, GLIO703, HBGF-1, HBGF1 | fibroblast growth factor 1 |
| 360 | AQP3 | AQP-3, GIL | aquaporin 3 (Gill blood group) |
| 10630 | PDPN | AGGRUS, D2-40, GP36, GP40, Gp38, HT1A-1, OTS8, PA2.26, T1A, T1A-2, T1A2, TI1A | podoplanin |
| 27122 | DKK3 | CRRL, REIC, RIG | dickkopf WNT signaling pathway inhibitor 3 |
| 23569 | PADI4 | PAD, PAD4, PADI5, PDI4, PDI5 | peptidyl arginine deiminase 4 |
| 3574 | IL7 | IL-7 | interleukin 7 |
| 5308 | PITX2 | ARP1, ASGD4, Brx1, IDG2, IGDS, IGDS2, IHG2, IRID2, Otlx2, PTX2, RGS, RIEG, RIEG1, RS | paired like homeodomain 2 |
| 5310 | PKD1 | PBP, PC1, Pc-1, TRPP1 | polycystin 1, transient receptor potential channel interacting |
| 10544 | PROCR | CCCA, CCD41, EPCR | protein C receptor |
| 494336 | MIR424 | MIR322, MIRN424, hsa-mir-424, miRNA424, mir-424 | microRNA 424 |
| 1540 | CYLD | BRSS, CDMT1, CYLDI, EAC, FTDALS8, MFT, MFT1, SBS, TEM, USPL2, CYLD | CYLD lysine 63 deubiquitinase |
| 55000 | TUG1 | LINC00080, NCRNA00080, TI-227H | taurine up-regulated 1 |
| 10399 | RACK1 | GNB2L1, Gnb2-rs1, H12.3, HLC-7, PIG21 | receptor for activated C kinase 1 |
| 8826 | IQGAP1 | HUMORFA01, SAR1, p195 | IQ motif containing GTPase activating protein 1 |
| 3566 | IL4R | CD124, IL-4RAA, IL4R | interleukin 4 receptor |
| 1147 | CHUK | BPS2, IKBKA, IKK-alpha, IKK1, IKKA, NFKBIKA, TCF16 | component of inhibitor of nuclear factor kappa B kinase complex |
| 1991 | ELANE | ELA2, GE, HLE, HNE, NE, PMN-E, SCN1 | elastase, neutrophil expressed |
| 468 | ATF4 | CREB-2, CREB2, TAXREB67, TXREB | activating transcription factor 4 |
| 407012 | MIR24-1 | MIR189, MIRN24-1, miR-24-1, miRNA24-1 | microRNA 24-1 |
| 10919 | EHMT2 | BAT8, C6orf30, G9A, GAT8, KMT1C, NG36 | euchromatic histone lysine methyltransferase 2 |
| 406953 | MIR18A | C13orf25, MIR17HG, MIR18, MIRH1, MIRHG1, MIRN18, MIRN18A, hsa-mir-18, hsa-mir-18a, miR-18, miRNA18A, mir-18a | microRNA 18a |
| 6781 | STC1 | STC | stanniocalcin 1 |
| 346389 | MACC1 | 7A5, SH3BP4L | MET transcriptional regulator MACC1 |
| 7448 | VTN | V75, VN, VNT | vitronectin |
| 3624 | INHBA | EDF, FRP | inhibin subunit beta A |
| 81631 | MAP1LC3B | ATG8F, LC3B, MAP1A/1BLC3-a, MAP1LC3B | microtubule associated protein 1 light chain 3 beta |
| 8862 | APLN | APEL, XNPEP2 | apelin |
| 3856 | KRT8 | CARD2, CK-8, CK8, CYK8, K2C8, K8, KO | keratin 8 |
| 23314 | SATB2 | GLSS | SATB homeobox 2 |
| 8797 | TNFRSF10A | APO2, CD261, DR4, TRAILR-1, TRAILR1 | TNF receptor superfamily member 10a |
| 3170 | FOXA2 | HNF-3-beta, HNF3B, TCF3B | forkhead box A2 |
| 1462 | VCAN | CSPG2, ERVR, GHAP, PG-M, WGN, WGN1 | versican |
| 1278 | COL1A2 | EDSARTH2, EDSCV, OI4 | collagen type I alpha 2 chain |
| 706 | TSPO | BPBS, BZRP, DBI, IBP, MBR, PBR, PBS, PKBS, PTBR, mDRC, pk18 | translocator protein |
| 2 | A2M | A2MD, CPAMD5, FWP007, S863-7 | alpha-2-macroglobulin |
| 3778 | KCNMA1 | BKTM, CADEDS, IEG16, KCa1.1, LIWAS, MaxiK, PNKD3, SAKCA, SLO, SLO-ALPHA, SLO1, bA205K10.1, hSlo, mSLO1 | potassium calcium-activated channel subfamily M alpha 1 |
| 3554 | IL1R1 | CD121A, D2S1473, IL-1R-alpha, IL1R, IL1RA, P80 | interleukin 1 receptor type 1 |
| 6926 | TBX3 | TBX3-ISO, UMS, XHL | T-box transcription factor 3 |
| 10644 | IGF2BP2 | IMP-2, IMP2, VICKZ2 | insulin like growth factor 2 mRNA binding protein 2 |
| 928 | CD9 | BTCC-1, DRAP-27, MIC3, MRP-1, TSPAN-29, TSPAN29 | CD9 molecule |
| 5467 | PPARD | FAAR, NR1C2, NUC1, NUCI, NUCII, PPARB | peroxisome proliferator activated receptor delta |
| 1654 | DDX3X | CAP-Rf, DBX, DDX14, DDX3, HLP2, MRX102, MRXSSB | DEAD-box helicase 3 X-linked |
| 574411 | MIR451A | MIR451, MIRN451, hsa-mir-451, hsa-mir-451a, mir-451a | microRNA 451a |
| 7874 | USP7 | HAFOUS, HAUSP, TEF1 | ubiquitin specific peptidase 7 |
| 407010 | MIR23A | MIRN23A, hsa-mir-23a, miRNA23A, mir-23a | microRNA 23a |
| 50848 | F11R | CD321, JAM, JAM1, JAMA, JCAM, KAT, PAM-1 | F11 receptor |
| 85480 | TSLP |  | thymic stromal lymphopoietin |
| 1311 | COMP | CTS2, EDM1, EPD1, MED, PSACH, THBS5, TSP5 | cartilage oligomeric matrix protein |
| 574452 | MIR494 | MIRN494, hsa-mir-494, mir-494 | microRNA 494 |
| 1316 | KLF6 | BCD1, CBA1, COPEB, CPBP, GBF, PAC1, ST12, ZF9 | Kruppel like factor 6 |
| 3976 | LIF | CDF, DIA, HILDA, MLPLI | LIF interleukin 6 family cytokine |
| 10155 | TRIM28 | KAP1, PPP1R157, RNF96, TF1B, TIF1B | tripartite motif containing 28 |
| 9759 | HDAC4 | AHO3, BDMR, HA6116, HD4, HDAC-4, HDAC-A, HDACA | histone deacetylase 4 |
| 3206 | HOXA10 | HOX1, HOX1.8, HOX1H, PL | homeobox A10 |
| 329 | BIRC2 | API1, HIAP2, Hiap-2, MIHB, RNF48, c-IAP1, cIAP1 | baculoviral IAP repeat containing 2 |
| 10062 | NR1H3 | LXR-a, LXRA, RLD-1 | nuclear receptor subfamily 1 group H member 3 |
| 406943 | MIR152 | MIRN152, mir-152 | microRNA 152 |
| 701 | BUB1B | BUB1beta, BUBR1, Bub1A, MAD3L, MVA1, SSK1, hBUBR1 | BUB1 mitotic checkpoint serine/threonine kinase B |
| 2526 | FUT4 | CD15, ELFT, FCT3A, FUC-TIV, FUTIV, LeX, SSEA-1 | fucosyltransferase 4 |
| 1281 | COL3A1 | EDS4A, EDSVASC, PMGEDSV | collagen type III alpha 1 chain |
| 10524 | KAT5 | ESA1, HTATIP, HTATIP1, NEDFASB, PLIP, TIP, TIP60, ZC2HC5, cPLA2 | lysine acetyltransferase 5 |
| 8650 | NUMB | C14orf41, S171, c14\_5527 | NUMB endocytic adaptor protein |
| 6885 | MAP3K7 | CSCF, FMD2, MEKK7, TAK1, TGF1a | mitogen-activated protein kinase kinase kinase 7 |
| 8788 | DLK1 | DLK, DLK-1, Delta1, FA1, PREF1, Pref-1, ZOG, pG2 | delta like non-canonical Notch ligand 1 |
| 408 | ARRB1 | ARB1, ARR1 | arrestin beta 1 |
| 4287 | ATXN3 | AT3, ATX3, JOS, MJD, MJD1, SCA3 | ataxin 3 |
| 406912 | MIR125B2 | MIRN125B2, mir-125b-2 | microRNA 125b-2 |
| 4192 | MDK | ARAP, MK, NEGF2 | midkine |
| 406899 | MIR106A | MIRN106A, mir-106, mir-106a | microRNA 106a |
| 2621 | GAS6 | AXLLG, AXSF | growth arrest specific 6 |
| 80139 | ZNF703 | NLZ1, ZEPPO1, ZNF503L, ZPO1 | zinc finger protein 703 |
| 29128 | UHRF1 | ICBP90, Np95, RNF106, TDRD22, hNP95, hUHRF1, huNp95 | ubiquitin like with PHD and ring finger domains 1 |
| 7001 | PRDX2 | HEL-S-2a, NKEF-B, NKEFB, PRP, PRX2, PRXII, PTX1, TDPX1, TPX1, TSA | peroxiredoxin 2 |
| 2081 | ERN1 | IRE1, IRE1P, IRE1a, hIRE1p | endoplasmic reticulum to nucleus signaling 1 |
| 9971 | NR1H4 | BAR, FXR, HRR-1, HRR1, PFIC5, RIP14 | nuclear receptor subfamily 1 group H member 4 |
| 8085 | KMT2D | AAD10, ALR, CAGL114, KABUK1, KMS, MLL2, MLL4, TNRC21 | lysine methyltransferase 2D |
| 7020 | TFAP2A | AP-2, AP-2alpha, AP2TF, BOFS, TFAP2 | transcription factor AP-2 alpha |
| 5209 | PFKFB3 | IPFK2, PFK2, iPFK-2 | 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 |
| 51129 | ANGPTL4 | ARP4, FIAF, HARP, HFARP, NL2, PGAR, TGQTL, UNQ171, pp1158 | angiopoietin like 4 |
| 3675 | ITGA3 | CD49C, FRP-2, GAP-B3, GAPB3, ILNEB, MSK18, VCA-2, VL3A, VLA3a | integrin subunit alpha 3 |
| 6649 | SOD3 | EC-SOD | superoxide dismutase 3 |
| 2191 | FAP | DPPIVA, FAPalpha, SIMP, FAP | fibroblast activation protein alpha |
| 27178 | IL37 | FIL1, FIL1(ZETA), FIL1Z, IL-1F7, IL-1H, IL-1H4, IL-1RP1, IL-23, IL-37, IL1F7, IL1H4, IL1RP1 | interleukin 37 |
| 2202 | EFEMP1 | DHRD, DRAD, FBLN3, FBNL, FIBL-3, MLVT, MTLV, S1-5 | EGF containing fibulin extracellular matrix protein 1 |
| 29110 | TBK1 | FTDALS4, IIAE8, NAK, T2K | TANK binding kinase 1 |
| 4017 | LOXL2 | LOR, LOR2, WS9-14 | lysyl oxidase like 2 |
| 55869 | HDAC8 | CDA07, CDLS5, HD8, HDACL1, KDAC8, MRXS6, RPD3, WTS | histone deacetylase 8 |
| 7010 | TEK | CD202B, GLC3E, TIE-2, TIE2, VMCM, VMCM1 | TEK receptor tyrosine kinase |
| 6925 | TCF4 | CDG2T, E2-2, FECD3, ITF-2, ITF2, PTHS, SEF-2, SEF2, SEF2-1, SEF2-1A, SEF2-1B, SEF2-1D, TCF-4, bHLHb19 | transcription factor 4 |
| 406900 | MIR106B | MIRN106B, mir-106b | microRNA 106b |
| 4217 | MAP3K5 | ASK1, MAPKKK5, MEKK5 | mitogen-activated protein kinase kinase kinase 5 |
| 2705 | GJB1 | CMTX, CMTX1, CX32 | gap junction protein beta 1 |
| 23451 | SF3B1 | Hsh155, MDS, PRP10, PRPF10, SAP155, SF3b155 | splicing factor 3b subunit 1 |
| 4773 | NFATC2 | NFAT1, NFATP | nuclear factor of activated T cells 2 |
| 1081 | CGA | CG-ALPHA, FSHA, GPA1, GPHA1, GPHa, HCG, LHA, TSHA | glycoprotein hormones, alpha polypeptide |
| 1374 | CPT1A | CPT1, CPT1-L, L-CPT1 | carnitine palmitoyltransferase 1A |
| 406894 | MIR101-2 | MIRN101-2, mir-101-2 | microRNA 101-2 |
| 6664 | SOX11 | CSS9, MRD27 | SRY-box transcription factor 11 |
| 9618 | TRAF4 | CART1, MLN62, RNF83 | TNF receptor associated factor 4 |
| 4440 | MSI1 |  | musashi RNA binding protein 1 |
| 239 | ALOX12 | 12-LOX, 12S-LOX, LOG12 | arachidonate 12-lipoxygenase, 12S type |
| 3965 | LGALS9 | HUATA, LGALS9 | galectin 9 |
| 5971 | RELB | I-REL, IMD53, IREL, REL-B | RELB proto-oncogene, NF-kB subunit |
| 9235 | IL32 | IL-32alpha, IL-32beta, IL-32delta, IL-32gamma, NK4, TAIF, TAIFa, TAIFb, TAIFc, TAIFd | interleukin 32 |
| 3572 | IL6ST | CD130, CDW130, GP130, HIES4, IL-6RB, sGP130 | interleukin 6 cytokine family signal transducer |
| 2175 | FANCA | FA, FA-H, FA1, FAA, FACA, FAH, FANCH | FA complementation group A |
| 2303 | FOXC2 | FKHL14, LD, MFH-1, MFH1 | forkhead box C2 |
| 546 | ATRX | JMS, MRX52, RAD54, RAD54L, XH2, XNP, ZNF-HX | ATRX chromatin remodeler |
| 406909 | MIR124-3 | MIRN124-3, MIRN124A3, mir-124-3 | microRNA 124-3 |
| 442908 | MIR340 | MIRN340, hsa-mir-340, mir-340 | microRNA 340 |
| 29102 | DROSHA | ETOHI2, HSA242976, RANSE3L, RN3, RNASE3L, RNASEN | drosha ribonuclease III |
| 5764 | PTN | HARP, HB-GAM, HBBM, HBGF-8, HBGF8, HBNF, HBNF-1, NEGF1, OSF-1 | pleiotrophin |
| 5868 | RAB5A | RAB5 | RAB5A, member RAS oncogene family |
| 727 | C5 | C5Da, C5b, CPAMD4, ECLZB, C5 | complement C5 |
| 8312 | AXIN1 | AXIN, PPP1R49 | axin 1 |
| 27043 | PELP1 | MNAR, P160 | proline, glutamate and leucine rich protein 1 |
| 362 | AQP5 | AQP-5, PPKB | aquaporin 5 |
| 389421 | LIN28B | CSDD2 | lin-28 homolog B |
| 1901 | S1PR1 | CD363, CHEDG1, D1S3362, ECGF1, EDG-1, EDG1, S1P1 | sphingosine-1-phosphate receptor 1 |
| 2512 | FTL | LFTD, NBIA3 | ferritin light chain |
| 3490 | IGFBP7 | AGM, FSTL2, IBP-7, IGFBP-7, IGFBP-7v, IGFBPRP1, MAC25, PSF, RAMSVPS, TAF | insulin like growth factor binding protein 7 |
| 8452 | CUL3 | CUL-3, NEDAUS, PHA2E | cullin 3 |
| 406993 | MIR211 | MIRN211, mir-211 | microRNA 211 |
| 57761 | TRIB3 | C20orf97, NIPK, SINK, SKIP3, TRB3 | tribbles pseudokinase 3 |
| 6348 | CCL3 | G0S19-1, LD78ALPHA, MIP-1-alpha, MIP1A, SCYA3 | C-C motif chemokine ligand 3 |
| 4772 | NFATC1 | NF-ATC, NF-ATc1.2, NFAT2, NFATc | nuclear factor of activated T cells 1 |
| 6091 | ROBO1 | DUTT1, SAX3 | roundabout guidance receptor 1 |
| 1514 | CTSL | CATL1, MEP, CTSL | cathepsin L |
| 3654 | IRAK1 | IRAK, pelle | interleukin 1 receptor associated kinase 1 |
| 3577 | CXCR1 | C-C, C-C-CKR-1, CD128, CD181, CDw128a, CKR-1, CMKAR1, IL8R1, IL8RA, IL8RBA | C-X-C motif chemokine receptor 1 |
| 2624 | GATA2 | DCML, IMD21, MONOMAC, NFE1B | GATA binding protein 2 |
| 4345 | CD200 | MOX1, MOX2, MRC, OX-2 | CD200 molecule |
| 3326 | HSP90AB1 | D6S182, HSP84, HSP90B, HSPC2, HSPCB | heat shock protein 90 alpha family class B member 1 |
| 7403 | KDM6A | KABUK2, UTX, bA386N14.2 | lysine demethylase 6A |
| 8864 | PER2 | FASPS, FASPS1 | period circadian regulator 2 |
| 1440 | CSF3 | C17orf33OS, GCSF, CSF3 | colony stimulating factor 3 |
| 7100 | TLR5 | MELIOS, SLE1, SLEB1, TIL3 | toll like receptor 5 |
| 407026 | MIR29C | MIRN29C, miRNA29C, mir-29c | microRNA 29c |
| 11009 | IL24 | C49A, FISP, IL10B, MDA7, MOB5, ST16 | interleukin 24 |
| 26354 | GNL3 | C77032, E2IG3, NNP47, NS | G protein nucleolar 3 |
| 100885779 | LINC-ROR | ROR, lincRNA-RoR, lincRNA-ST8SIA3 | long intergenic non-protein coding RNA, regulator of reprogramming |
| 5420 | PODXL | Gp200, PC, PCLP, PCLP-1, PDX1, gp135, PODXL | podocalyxin like |
| 4739 | NEDD9 | CAS-L, CAS2, CASL, CASS2, HEF1 | neural precursor cell expressed, developmentally down-regulated 9 |
| 26018 | LRIG1 | LIG-1, LIG1 | leucine rich repeats and immunoglobulin like domains 1 |
| 1445 | CSK |  | C-terminal Src kinase |
| 3959 | LGALS3BP | 90K, BTBD17B, CyCAP, M2BP, MAC-2-BP, TANGO10B, gp90 | galectin 3 binding protein |
| 3676 | ITGA4 | CD49D, IA4 | integrin subunit alpha 4 |
| 3398 | ID2 | GIG8A, ID2H, bHLHb26, ID2 | inhibitor of DNA binding 2 |
| 90 | ACVR1 | ACTRIA, ACVRLK2, ALK2, FOP, SKR1, TSRI, ACVR1 | activin A receptor type 1 |
| 3832 | KIF11 | EG5, HKSP, KNSL1, MCLMR, TRIP5 | kinesin family member 11 |
| 2002 | ELK1 |  | ETS transcription factor ELK1 |
| 23326 | USP22 | USP3L | ubiquitin specific peptidase 22 |
| 59 | ACTA2 | ACTSA | actin alpha 2, smooth muscle |
| 2104 | ESRRG | ERR-gamma, ERR3, ERRg, ERRgamma, NR3B3 | estrogen related receptor gamma |
| 4929 | NR4A2 | HZF-3, NOT, NURR1, RNR1, TINUR | nuclear receptor subfamily 4 group A member 2 |
| 3567 | IL5 | EDF, IL-5, TRF | interleukin 5 |
| 995 | CDC25C | CDC25, PPP1R60 | cell division cycle 25C |
| 2737 | GLI3 | ACLS, GCPS-190, GLI3FL, PAP-A, PAPA, PAPA1, PAPB, PHS, PPDIV, GLI3 | GLI family zinc finger 3 |
| 8840 | CCN4 | WISP1, WISP1-OT1, WISP1-UT1, WISP1c, WISP1i, WISP1tc | cellular communication network factor 4 |
| 2495 | FTH1 | FHC, FTH, FTHL6, HFE5, PIG15, PLIF | ferritin heavy chain 1 |
| 22933 | SIRT2 | SIR2, SIR2L, SIR2L2 | sirtuin 2 |
| 9869 | SETDB1 | ESET, H3-K9-HMTase4, KG1T, KMT1E, TDRD21 | SET domain bifurcated histone lysine methyltransferase 1 |
| 10257 | ABCC4 | MOAT-B, MOATB, MRP4 | ATP binding cassette subfamily C member 4 |
| 406919 | MIR130A | MIRN130A, miRNA130A, mir-130a | microRNA 130a |
| 9961 | MVP | LRP, VAULT1 | major vault protein |
| 1755 | DMBT1 | GP340, SAG, SALSA, muclin | deleted in malignant brain tumors 1 |
| 406929 | MIR138-1 | MIRN138-1, mir-138-1 | microRNA 138-1 |
| 7849 | PAX8 |  | paired box 8 |
| 7248 | TSC1 | LAM, TSC | TSC complex subunit 1 |
| 406921 | MIR132 | MIRN132, miRNA132, mir-132 | microRNA 132 |
| 55107 | ANO1 | DOG1, ORAOV2, TAOS2, TMEM16A | anoctamin 1 |
| 5196 | PF4 | CXCL4, PF-4, SCYB4 | platelet factor 4 |
| 3161 | HMMR | CD168, IHABP, RHAMM | hyaluronan mediated motility receptor |
| 1948 | EFNB2 | EPLG5, HTKL, Htk-L, LERK5 | ephrin B2 |
| 8741 | TNFSF13 | APRIL, CD256, TALL-2, TALL2, TNLG7B, TRDL-1, UNQ383/PRO715, ZTNF2 | TNF superfamily member 13 |
| 3636 | INPPL1 | OPSMD, SHIP2 | inositol polyphosphate phosphatase like 1 |
| 330 | BIRC3 | AIP1, API2, CIAP2, HAIP1, HIAP1, IAP-1, MALT2, MIHC, RNF49, c-IAP2 | baculoviral IAP repeat containing 3 |
| 4040 | LRP6 | ADCAD2, STHAG7 | LDL receptor related protein 6 |
| 8408 | ULK1 | ATG1, ATG1A, UNC51, Unc51.1, hATG1 | unc-51 like autophagy activating kinase 1 |
| 9531 | BAG3 | BAG-3, BIS, CAIR-1, MFM6 | BAG cochaperone 3 |
| 317 | APAF1 | APAF-1, CED4 | apoptotic peptidase activating factor 1 |
| 574447 | MIR146B | MIRN146B, miRNA146B, mir-146b | microRNA 146b |
| 6374 | CXCL5 | ENA-78, SCYB5 | C-X-C motif chemokine ligand 5 |
| 6890 | TAP1 | ABC17, ABCB2, APT1, D6S114E, PSF-1, PSF1, RING4\*0102N, TAP1N, TAP1 | transporter 1, ATP binding cassette subfamily B member |
| 6427 | SRSF2 | PR264, SC-35, SC35, SFRS2, SFRS2A, SRp30b | serine and arginine rich splicing factor 2 |
| 7074 | TIAM1 | TIAM-1 | TIAM Rac1 associated GEF 1 |
| 2274 | FHL2 | AAG11, DRAL, FHL-2, SLIM-3, SLIM3 | four and a half LIM domains 2 |
| 406977 | MIR199A2 | MIR-199-s, MIRN199A2, mir-199a-2 | microRNA 199a-2 |
| 57291 | DANCR | AGU2, ANCR, KIAA0114, SNHG13, lncRNA-ANCR | differentiation antagonizing non-protein coding RNA |
| 55124 | PIWIL2 | CT80, HILI, PIWIL1L, mili | piwi like RNA-mediated gene silencing 2 |
| 10371 | SEMA3A | COLL1, HH16, Hsema-I, Hsema-III, SEMA1, SEMAD, SEMAIII, SEMAL, SemD, coll-1 | semaphorin 3A |
| 27113 | BBC3 | JFY-1, JFY1, PUMA | BCL2 binding component 3 |
| 1871 | E2F3 | E2F-3 | E2F transcription factor 3 |
| 8932 | MBD2 | DMTase, NY-CO-41 | methyl-CpG binding domain protein 2 |
| 10011 | SRA1 | SRA, SRAP, STRAA1, pp7684 | steroid receptor RNA activator 1 |
| 4919 | ROR1 | NTRKR1, dJ537F10.1 | receptor tyrosine kinase like orphan receptor 1 |
| 406967 | MIR192 | MIRN192, miR-192, miRNA192 | microRNA 192 |
| 306 | ANXA3 | ANX3 | annexin A3 |
| 406936 | MIR144 | MIRN144, mir-144 | microRNA 144 |
| 10498 | CARM1 | PRMT4 | coactivator associated arginine methyltransferase 1 |
| 7067 | THRA | AR7, CHNG6, EAR7, ERB-T-1, ERBA, ERBA1, NR1A11, THRA2, TRalpha, c-ERBA-1, THRA | thyroid hormone receptor alpha |
| 407055 | MIR99A | MIRN99A, mir-99a | microRNA 99a |
| 6929 | TCF3 | AGM8, E2A, E47, ITF1, TCF-3, VDIR, bHLHb21, p75 | transcription factor 3 |
| 51547 | SIRT7 | SIR2L7 | sirtuin 7 |
| 64754 | SMYD3 | KMT3E, ZMYND1, ZNFN3A1, bA74P14.1 | SET and MYND domain containing 3 |
| 931 | MS4A1 | B1, Bp35, CD20, CVID5, FMC7, LEU-16, S7 | membrane spanning 4-domains A1 |
| 23135 | KDM6B | JMJD3, NEDCFSA | lysine demethylase 6B |
| 5629 | PROX1 |  | prospero homeobox 1 |
| 10392 | NOD1 | CARD4, CLR7.1, NLRC1 | nucleotide binding oligomerization domain containing 1 |
| 4283 | CXCL9 | CMK, Humig, MIG, SCYB9, crg-10 | C-X-C motif chemokine ligand 9 |
| 3214 | HOXB4 | HOX-2.6, HOX2, HOX2F | homeobox B4 |
| 55054 | ATG16L1 | APG16L, ATG16A, ATG16L, IBD10, WDR30 | autophagy related 16 like 1 |
| 7049 | TGFBR3 | BGCAN, betaglycan | transforming growth factor beta receptor 3 |
| 1660 | DHX9 | DDX9, LKP, NDH2, NDHII, RHA | DExH-box helicase 9 |
| 10411 | RAPGEF3 | CAMP-GEFI, EPAC, EPAC1, HSU79275, bcm910 | Rap guanine nucleotide exchange factor 3 |
| 5771 | PTPN2 | PTN2, PTPT, TC-PTP, TCELLPTP, TCPTP | protein tyrosine phosphatase non-receptor type 2 |
| 406915 | MIR128-1 | MIR128A, MIRN128-1, MIRN128A, mir-128-1 | microRNA 128-1 |
| 10456 | HAX1 | HCLSBP1, HS1BP1, SCN3 | HCLS1 associated protein X-1 |
| 407009 | MIR224 | MIRN224, miRNA224 | microRNA 224 |
| 967 | CD63 | LAMP-3, ME491, MLA1, OMA81H, TSPAN30 | CD63 molecule |
| 9734 | HDAC9 | HD7, HD7b, HD9, HDAC, HDAC7, HDAC7BB, HDAC9FL, HDRP, MITR, HDAC9 | histone deacetylase 9 |
| 4267 | CD99 | HBA71, MIC2, MIC2X, MIC2Y, MSK5X | CD99 molecule (Xg blood group) |
| 4267 | CD99 | HBA71, MIC2, MIC2X, MIC2Y, MSK5X | CD99 molecule (Xg blood group) |
| 3977 | LIFR | CD118, LIF-R, SJS2, STWS, SWS | LIF receptor subunit alpha |
| 6423 | SFRP2 | FRP-2, SARP1, SDF-5 | secreted frizzled related protein 2 |
| 664 | BNIP3 | NIP3 | BCL2 interacting protein 3 |
| 406904 | MIR1-1 | MIRN1-1, hsa-mir-1-1, miRNA1-1, mir-1-1 | microRNA 1-1 |
| 4928 | NUP98 | ADIR2, NUP196, NUP96, Nup98-96 | nucleoporin 98 and 96 precursor |
| 9474 | ATG5 | APG5, APG5-LIKE, APG5L, ASP, SCAR25, hAPG5 | autophagy related 5 |
| 3623 | INHA |  | inhibin subunit alpha |
| 9113 | LATS1 | WARTS, wts | large tumor suppressor kinase 1 |
| 5732 | PTGER2 | EP2 | prostaglandin E receptor 2 |
| 10197 | PSME3 | HEL-S-283, Ki, PA28-gamma, PA28G, PA28gamma, REG-GAMMA | proteasome activator subunit 3 |
| 1525 | CXADR | CAR, CAR4/6, HCAR | CXADR Ig-like cell adhesion molecule |
| 3549 | IHH | BDA1, HHG2 | Indian hedgehog signaling molecule |
| 5601 | MAPK9 | JNK-55, JNK2, JNK2A, JNK2ALPHA, JNK2B, JNK2BETA, PRKM9, SAPK, SAPK1a, p54a, p54aSAPK | mitogen-activated protein kinase 9 |
| 406961 | MIR185 | MIRN185, miR-185 | microRNA 185 |
| 442918 | MIR373 | MIRN373, hsa-mir-373, miRNA373, mir-373 | microRNA 373 |
| 406 | ARNTL | BMAL1, BMAL1c, JAP3, MOP3, PASD3, TIC, bHLHe5 | aryl hydrocarbon receptor nuclear translocator like |
| 6386 | SDCBP | MDA-9, MDA9, ST1, SYCL, TACIP18 | syndecan binding protein |
| 290 | ANPEP | APN, CD13, GP150, LAP1, P150, PEPN | alanyl aminopeptidase, membrane |
| 10642 | IGF2BP1 | CRD-BP, CRDBP, IMP-1, IMP1, VICKZ1, ZBP1 | insulin like growth factor 2 mRNA binding protein 1 |
| 10859 | LILRB1 | CD85J, ILT-2, ILT2, LIR-1, LIR1, MIR-7, MIR7, PIR-B, PIRB | leukocyte immunoglobulin like receptor B1 |
| 5154 | PDGFA | PDGF-A, PDGF1 | platelet derived growth factor subunit A |
| 5564 | PRKAB1 | AMPK, HAMPKb | protein kinase AMP-activated non-catalytic subunit beta 1 |
| 11197 | WIF1 | WIF-1 | WNT inhibitory factor 1 |
| 51053 | GMNN | Gem, MGORS6 | geminin DNA replication inhibitor |
| 2746 | GLUD1 | GDH, GDH1, GLUD | glutamate dehydrogenase 1 |
| 140 | ADORA3 | A3AR | adenosine A3 receptor |
| 136 | ADORA2B | ADORA2 | adenosine A2b receptor |
| 3683 | ITGAL | CD11A, LFA-1, LFA1A | integrin subunit alpha L |
| 4916 | NTRK3 | GP145-TrkC, TRKC, gp145(trkC) | neurotrophic receptor tyrosine kinase 3 |
| 10015 | PDCD6IP | AIP1, ALIX, DRIP4, HP95 | programmed cell death 6 interacting protein |
| 124540 | MSI2 | MSI2H | musashi RNA binding protein 2 |
| 7414 | VCL | CMD1W, CMH15, HEL114, MV, MVCL | vinculin |
| 10365 | KLF2 | LKLF | Kruppel like factor 2 |
| 2173 | FABP7 | B-FABP, BLBP, FABPB, MRG | fatty acid binding protein 7 |
| 3756 | KCNH1 | EAG, EAG1, Kv10.1, TMBTS, ZLS1, h-eag, hEAG, hEAG1 | potassium voltage-gated channel subfamily H member 1 |
| 2114 | ETS2 | ETS2IT1 | ETS proto-oncogene 2, transcription factor |
| 407011 | MIR23B | MIRN23B, hsa-mir-23b, miRNA23B, mir-23b | microRNA 23b |
| 406922 | MIR133A1 | MIRN133A1, mir-133a-1 | microRNA 133a-1 |
| 6366 | CCL21 | 6Ckine, CKb9, ECL, SCYA21, SLC, TCA4 | C-C motif chemokine ligand 21 |
| 154796 | AMOT |  | angiomotin |
| 29843 | SENP1 | SuPr-2 | SUMO specific peptidase 1 |
| 87 | ACTN1 | BDPLT15 | actinin alpha 1 |
| 2627 | GATA6 |  | GATA binding protein 6 |
| 1235 | CCR6 | BN-1, C-C CKR-6, CC-CKR-6, CCR-6, CD196, CKR-L3, CKRL3, CMKBR6, DCR2, DRY6, GPR29, GPRCY4, STRL22 | C-C motif chemokine receptor 6 |
| 9780 | PIEZO1 | DHS, FAM38A, LMPH3, LMPHM6, Mib | piezo type mechanosensitive ion channel component 1 |
| 442890 | MIR133B | MIRN133B, miRNA133B, mir-133b | microRNA 133b |
| 5966 | REL | C-Rel, HIVEN86A | REL proto-oncogene, NF-kB subunit |
| 7879 | RAB7A | CMT2B, PRO2706, RAB7 | RAB7A, member RAS oncogene family |
| 1108 | CHD4 | CHD-4, Mi-2b, Mi2-BETA, SIHIWES | chromodomain helicase DNA binding protein 4 |
| 619556 | MIR455 | MIRN455, hsa-mir-455, mir-455 | microRNA 455 |
| 8405 | SPOP | BTBD32, NEDMACE, NEDMIDF, NSDVS1, NSDVS2, TEF2 | speckle type BTB/POZ protein |
| 4487 | MSX1 | ECTD3, HOX7, HYD1, STHAG1 | msh homeobox 1 |
| 2671 | GFER | ALR, ERV1, HERV1, HPO, HPO1, HPO2, HSS, MMCHD, MPMCD | growth factor, augmenter of liver regeneration |
| 2048 | EPHB2 | BDPLT22, CAPB, DRT, EK5, EPHT3, ERK, Hek5, PCBC, Tyro5 | EPH receptor B2 |
| 1464 | CSPG4 | CSPG4A, HMW-MAA, MCSP, MCSPG, MEL-CSPG, MSK16, NG2 | chondroitin sulfate proteoglycan 4 |
| 574453 | MIR495 | MIRN495, hsa-mir-495, mir-495 | microRNA 495 |
| 712 | C1QA |  | complement C1q A chain |
| 6428 | SRSF3 | SFRS3, SRp20 | serine and arginine rich splicing factor 3 |
| 5934 | RBL2 | P130, Rb2 | RB transcriptional corepressor like 2 |
| 220 | ALDH1A3 | ALDH1A6, ALDH6, MCOP8, RALDH3 | aldehyde dehydrogenase 1 family member A3 |
| 2648 | KAT2A | GCN5, GCN5L2, PCAF-b, hGCN5 | lysine acetyltransferase 2A |
| 5062 | PAK2 | PAK65, PAKgamma | p21 (RAC1) activated kinase 2 |
| 7704 | ZBTB16 | PLZF, ZNF145 | zinc finger and BTB domain containing 16 |
| 406980 | MIR19B1 | C13orf25, MIR17HG, MIR19B, MIRH1, MIRHG1, MIRN19B1, miR-19b-1, miRNA19B1 | microRNA 19b-1 |
| 3055 | HCK | JTK9, p59Hck, p61Hck | HCK proto-oncogene, Src family tyrosine kinase |
| 7764 | ZNF217 | ZABC1 | zinc finger protein 217 |
| 1024 | CDK8 | IDDHBA, K35 | cyclin dependent kinase 8 |
| 55740 | ENAH | ENA, MENA, NDPP1 | ENAH actin regulator |
| 554210 | MIR429 | MIRN429, hsa-mir-429, mir-429 | microRNA 429 |
| 5716 | PSMD10 | dJ889N15.2, p28, p28(GANK) | proteasome 26S subunit, non-ATPase 10 |
| 340273 | ABCB5 | ABCB5alphabeta, EST422562, ABCB5 | ATP binding cassette subfamily B member 5 |
| 442891 | MIR135B | MIRN135B, mir-135b | microRNA 135b |
| 6608 | SMO | CRJS, FZD11, Gx, PHLSH, SMO | smoothened, frizzled class receptor |
| 396 | ARHGDIA | GDIA1, HEL-S-47e, NPHS8, RHOGDI, RHOGDI-1 | Rho GDP dissociation inhibitor alpha |
| 10014 | HDAC5 | HD5, NY-CO-9 | histone deacetylase 5 |
| 1643 | DDB2 | DDBB, UV-DDB2, XPE | damage specific DNA binding protein 2 |
| 3861 | KRT14 | CK14, EBS1, EBS1A, EBS1B, EBS1C, EBS1D, EBS3, EBS4, K14, NFJ | keratin 14 |
| 865 | CBFB | PEBP2B | core-binding factor subunit beta |
| 2744 | GLS | AAD20, CASGID, DEE71, EIEE71, GAC, GAM, GDPAG1, KGA, GLS | glutaminase |
| 55540 | IL17RB | CRL4, EVI27, IL17BR, IL17RH1 | interleukin 17 receptor B |
| 9025 | RNF8 | hRNF8 | ring finger protein 8 |
| 8614 | STC2 | STC-2, STCRP | stanniocalcin 2 |
| 253260 | RICTOR | AVO3, PIA, hAVO3 | RPTOR independent companion of MTOR complex 2 |
| 406902 | MIR10A | MIRN10A, hsa-mir-10a, miRNA10A, mir-10a | microRNA 10a |
| 56339 | METTL3 | IME4, M6A, MT-A70, Spo8, hMETTL3 | methyltransferase 3, N6-adenosine-methyltransferase complex catalytic subunit |
| 4760 | NEUROD1 | BETA2, BHF-1, MODY6, NEUROD, T2D, bHLHa3 | neuronal differentiation 1 |
| 7846 | TUBA1A | B-ALPHA-1, LIS3, TUBA3 | tubulin alpha 1a |
| 442900 | MIR326 | MIRN326, hsa-mir-326, mir-326 | microRNA 326 |
| 64321 | SOX17 | VUR3 | SRY-box transcription factor 17 |
| 6045 | RNF2 | BAP-1, BAP1, DING, HIPI3, LUSYAM, RING1B, RING2 | ring finger protein 2 |
| 6097 | RORC | IMD42, NR1F3, RORG, RZR-GAMMA, RZRG, TOR | RAR related orphan receptor C |
| 9290 | GPR55 | LPIR1 | G protein-coupled receptor 55 |
| 1308 | COL17A1 | BA16H23.2, BP180, BPA-2, BPAG2, ERED, LAD-1 | collagen type XVII alpha 1 chain |
| 26524 | LATS2 | KPM | large tumor suppressor kinase 2 |
| 494335 | MIR423 | MIRN423, hsa-mir-423, mir-423 | microRNA 423 |
| 3918 | LAMC2 | B2T, BM600, CSF, EBR2, EBR2A, LAMB2T, LAMNB2 | laminin subunit gamma 2 |
| 406962 | MIR186 | MIRN186, miR-186 | microRNA 186 |
| 658 | BMPR1B | ALK-6, ALK6, AMDD, BDA1D, BDA2, CDw293 | bone morphogenetic protein receptor type 1B |
| 64750 | SMURF2 |  | SMAD specific E3 ubiquitin protein ligase 2 |
| 10075 | HUWE1 | ARF-BP1, HECTH9, HSPC272, Ib772, LASU1, MRXST, MULE, URE-B1, UREB1 | HECT, UBA and WWE domain containing E3 ubiquitin protein ligase 1 |
| 2176 | FANCC | FA3, FAC, FACC | FA complementation group C |
| 28514 | DLL1 | DELTA1, DL1, Delta, NEDBAS | delta like canonical Notch ligand 1 |
| 6515 | SLC2A3 | GLUT3 | solute carrier family 2 member 3 |
| 2357 | FPR1 | FMLP, FPR | formyl peptide receptor 1 |
| 574506 | MIR503 | MIRN503, hsa-mir-503, mir-503 | microRNA 503 |
| 9020 | MAP3K14 | FTDCR1B, HS, HSNIK, NIK | mitogen-activated protein kinase kinase kinase 14 |
| 1326 | MAP3K8 | AURA2, COT, EST, ESTF, MEKK8, TPL2, Tpl-2, c-COT | mitogen-activated protein kinase kinase kinase 8 |
| 1058 | CENPA | CENP-A, CenH3 | centromere protein A |
| 10507 | SEMA4D | A8, BB18, C9orf164, CD100, COLL4, GR3, M-sema-G, SEMAJ, coll-4 | semaphorin 4D |
| 4953 | ODC1 | BABS, NEDBA, NEDBIA, ODC | ornithine decarboxylase 1 |
| 494330 | MIR381 | MIRN381, hsa-mir-381, mir-381 | microRNA 381 |
| 406884 | MIRLET7B | LET7B, MIRNLET7B, hsa-let-7b, let-7b | microRNA let-7b |
| 5055 | SERPINB2 | HsT1201, PAI, PAI-2, PAI2, PLANH2 | serpin family B member 2 |
| 440823 | MIAT | C22orf35, GOMAFU, LINC00066, NCRNA00066, RNCR2, lncRNA-MIAT | myocardial infarction associated transcript |
| 3037 | HAS2 |  | hyaluronan synthase 2 |
| 8821 | INPP4B |  | inositol polyphosphate-4-phosphatase type II B |
| 5366 | PMAIP1 | APR, NOXA | phorbol-12-myristate-13-acetate-induced protein 1 |
| 1052 | CEBPD | C/EBP-delta, CELF, CRP3, NF-IL6-beta | CCAAT enhancer binding protein delta |
| 4920 | ROR2 | BDB, BDB1, NTRKR2 | receptor tyrosine kinase like orphan receptor 2 |
| 10131 | TRAP1 | HSP 75, HSP75, HSP90L, TRAP-1 | TNF receptor associated protein 1 |
| 4908 | NTF3 | HDNF, NGF-2, NGF2, NT-3, NT3 | neurotrophin 3 |
| 407028 | MIR302A | MIRN302, MIRN302A, hsa-mir-302, mir-302a | microRNA 302a |
| 57580 | PREX1 | P-REX1 | phosphatidylinositol-3,4,5-trisphosphate dependent Rac exchange factor 1 |
| 407030 | MIR30B | MIRN30B, mir-30b | microRNA 30b |
| 574032 | MIR20B | MIRN20B, hsa-mir-20b, mir-20b | microRNA 20b |
| 9241 | NOG | SYM1, SYNS1, SYNS1A | noggin |
| 3670 | ISL1 | ISLET1, Isl-1 | ISL LIM homeobox 1 |
| 2192 | FBLN1 | FBLN, FIBL1 | fibulin 1 |
| 7357 | UGCG | GCS, GLCT1 | UDP-glucose ceramide glucosyltransferase |
| 112597 | CYTOR | C2orf59, LINC00152, NCRNA00152 | cytoskeleton regulator RNA |
| 8900 | CCNA1 | CT146 | cyclin A1 |
| 8553 | BHLHE40 | BHLHB2, Clast5, DEC1, HLHB2, SHARP-2, SHARP2, STRA13, Stra14 | basic helix-loop-helix family member e40 |
| 23642 | SNHG1 | LINC00057, NCRNA00057, U22HG, UHG, lncRNA16 | small nucleolar RNA host gene 1 |
| 5873 | RAB27A | GS2, HsT18676, RAB27, RAM | RAB27A, member RAS oncogene family |
| 79602 | ADIPOR2 | ACDCR2, PAQR2 | adiponectin receptor 2 |
| 6281 | S100A10 | 42C, ANX2L, ANX2LG, CAL1L, CLP11, Ca[1], GP11, P11, p10 | S100 calcium binding protein A10 |
| 4837 | NNMT |  | nicotinamide N-methyltransferase |
| 1454 | CSNK1E | CKIe, CKIepsilon, HCKIE | casein kinase 1 epsilon |
| 9833 | MELK | HPK38 | maternal embryonic leucine zipper kinase |
| 8805 | TRIM24 | PTC6, RNF82, TF1A, TIF1, TIF1A, TIF1ALPHA, hTIF1 | tripartite motif containing 24 |
| 407054 | MIR98 | MIRLET7L, MIRN98, hsa-mir-98, miR-98 | microRNA 98 |
| 1485 | CTAG1B | CT6.1, CTAG, CTAG1, ESO1, LAGE-2, LAGE2B, NY-ESO-1 | cancer/testis antigen 1B |
| 619552 | MIR483 | MIRN483, hsa-mir-483, mir-483 | microRNA 483 |
| 7114 | TMSB4X | FX, PTMB4, TB4X, TMSB4 | thymosin beta 4 X-linked |
| 47 | ACLY | ACL, ATPCL, CLATP | ATP citrate lyase |
| 406997 | MIR215 | MIRN215, miRNA215, mir-215 | microRNA 215 |
| 3914 | LAMB3 | AI1A, BM600-125KDA, LAM5, LAMNB1 | laminin subunit beta 3 |
| 3015 | H2AZ1 | H2A.Z-1, H2A.z, H2A/z, H2AFZ, H2AZ | H2A.Z variant histone 1 |
| 10984 | KCNQ1OT1 | KCNQ1-AS2, KCNQ10T1, Kncq1, KvDMR1, KvLQT1-AS, LIT1, NCRNA00012 | KCNQ1 opposite strand/antisense transcript 1 |
| 9219 | MTA2 | MTA1L1, PID | metastasis associated 1 family member 2 |
| 638 | BIK | BIP1, BP4, NBK | BCL2 interacting killer |
| 5093 | PCBP1 | HEL-S-85, HNRPE1, HNRPX, hnRNP-E1, hnRNP-X | poly(rC) binding protein 1 |
| 6497 | SKI | SGS, SKV | SKI proto-oncogene |
| 9722 | NOS1AP | 6330408P19Rik, CAPON, NPHS22 | nitric oxide synthase 1 adaptor protein |
| 6862 | TBXT | SAVA, T, TFT | T-box transcription factor T |
| 6876 | TAGLN | SM22, SM22-alpha, SMCC1, WS3-10, TAGLN | transgelin |
| 7026 | NR2F2 | ARP-1, ARP1, CHTD4, COUPTF2, COUPTFB, COUPTFII, NF-E3, SRXX5, SVP40, TFCOUP2 | nuclear receptor subfamily 2 group F member 2 |
| 41 | ASIC1 | ACCN2, ASIC, BNaC2 | acid sensing ion channel subunit 1 |
| 56998 | CTNNBIP1 | ICAT | catenin beta interacting protein 1 |
| 406908 | MIR124-2 | MIRN124-2, MIRN124A2, mir-124-2 | microRNA 124-2 |
| 133522 | PPARGC1B | ERRL1, PERC, PGC-1(beta), PGC1B | PPARG coactivator 1 beta |
| 11337 | GABARAP | ATG8A-a, MM46, GABARAP | GABA type A receptor-associated protein |
| 9261 | MAPKAPK2 | MAPKAP-K2, MK-2, MK2 | MAPK activated protein kinase 2 |
| 64866 | CDCP1 | CD318, SIMA135, TRASK | CUB domain containing protein 1 |
| 121340 | SP7 | OI11, OI12, OSX, osterix | Sp7 transcription factor |
| 7525 | YES1 | HsT441, P61-YES, Yes, c-yes | YES proto-oncogene 1, Src family tyrosine kinase |
| 29072 | SETD2 | HBP231, HIF-1, HIP-1, HSPC069, HYPB, KMT3A, LLS, SET2, p231HBP | SET domain containing 2, histone lysine methyltransferase |
| 407039 | MIR33A | MIR33, MIRN33, MIRN33A, hsa-mir-33, hsa-mir-33a, miR-33, miRNA33A, mir-33a | microRNA 33a |
| 4481 | MSR1 | CD204, SCARA1, SR-A, SR-AI, SR-AII, SR-AIII, SRA, phSR1, phSR2 | macrophage scavenger receptor 1 |
| 406924 | MIR134 | MIRN134, mir-134 | microRNA 134 |
| 406972 | MIR196A1 | MIRN196-1, MIRN196A1, mir-196a-1 | microRNA 196a-1 |
| 4922 | NTS | NMN-125, NN, NT, NT/N1, NTS | neurotensin |
| 5296 | PIK3R2 | MPPH, MPPH1, P85B, p85, p85-BETA | phosphoinositide-3-kinase regulatory subunit 2 |
| 9271 | PIWIL1 | CT80.1, HIWI, MIWI, PIWI | piwi like RNA-mediated gene silencing 1 |
| 8324 | FZD7 | FzE3 | frizzled class receptor 7 |
| 1874 | E2F4 | E2F-4 | E2F transcription factor 4 |
| 54361 | WNT4 | SERKAL, WNT-4 | Wnt family member 4 |
| 10935 | PRDX3 | AOP-1, AOP1, HBC189, MER5, PRO1748, SP-22, prx-III | peroxiredoxin 3 |
| 51422 | PRKAG2 | AAKG, AAKG2, CMH6, H91620p, WPWS | protein kinase AMP-activated non-catalytic subunit gamma 2 |
| 3909 | LAMA3 | BM600, E170, LAMNA, LOCS | laminin subunit alpha 3 |
| 10562 | OLFM4 | GC1, GW112, OLM4, OlfD, UNQ362, bA209J19.1, hGC-1, hOLfD | olfactomedin 4 |
| 1300 | COL10A1 |  | collagen type X alpha 1 chain |
| 51366 | UBR5 | DD5, EDD, EDD1, HYD | ubiquitin protein ligase E3 component n-recognin 5 |
| 4856 | CCN3 | IBP-9, IGFBP-9, IGFBP9, NOV, NOVh | cellular communication network factor 3 |
| 3687 | ITGAX | CD11C, SLEB6 | integrin subunit alpha X |
| 1365 | CLDN3 | C7orf1, CPE-R2, CPETR2, HRVP1, RVP1 | claudin 3 |
| 9074 | CLDN6 |  | claudin 6 |
| 81620 | CDT1 | DUP, RIS2 | chromatin licensing and DNA replication factor 1 |
| 3068 | HDGF | HMG1L2 | heparin binding growth factor |
| 406966 | MIR191 | MIRN191, miR-191 | microRNA 191 |
| 153090 | DAB2IP | AF9Q34, AIP-1, AIP1, DIP1/2 | DAB2 interacting protein |
| 100302142 | MIR1246 | MIRN1246, hsa-mir-1246 | microRNA 1246 |
| 9101 | USP8 | HumORF8, PITA4, SPG59, UBPY | ubiquitin specific peptidase 8 |
| 23481 | PES1 | NOP7, PES | pescadillo ribosomal biogenesis factor 1 |
| 1902 | LPAR1 | EDG2, Gpcr26, LPA1, Mrec1.3, VZG1, edg-2, rec.1.3, vzg-1 | lysophosphatidic acid receptor 1 |
| 3487 | IGFBP4 | BP-4, HT29-IGFBP, IBP4, IGFBP-4 | insulin like growth factor binding protein 4 |
| 1903 | S1PR3 | C9orf108, C9orf47, EDG-3, EDG3, LPB3, S1P3, bA791O21.3 | sphingosine-1-phosphate receptor 3 |
| 1903 | S1PR3 | C9orf108, C9orf47, EDG-3, EDG3, LPB3, S1P3, bA791O21.3 | sphingosine-1-phosphate receptor 3 |
| 1009 | CDH11 | CAD11, CDHOB, ESWS, OB, OSF-4 | cadherin 11 |
| 23030 | KDM4B | JMJD2B, MRD65, TDRD14B | lysine demethylase 4B |
| 407014 | MIR25 | MIRN25, hsa-mir-25, miR-25 | microRNA 25 |
| 4488 | MSX2 | CRS2, FPP, HOX8, MSH, PFM, PFM1 | msh homeobox 2 |
| 56852 | RAD18 | RNF73 | RAD18 E3 ubiquitin protein ligase |
| 619554 | MIR486-1 | MIR486, MIRN486, hsa-mir-486, hsa-mir-486-1, mir-486-1 | microRNA 486-1 |
| 7004 | TEAD4 | EFTR-2, RTEF1, TCF13L1, TEF-3, TEF3, TEFR-1, hRTEF-1B | TEA domain transcription factor 4 |
| 58508 | KMT2C | HALR, KLEFS2, MLL3 | lysine methyltransferase 2C |
| 728655 | HULC | HCCAT1, LINC00078, NCRNA00078 | hepatocellular carcinoma up-regulated long non-coding RNA |
| 6373 | CXCL11 | H174, I-TAC, IP-9, IP9, SCYB11, SCYB9B, b-R1 | C-X-C motif chemokine ligand 11 |
| 407047 | MIR9-2 | MIRN9-2, hsa-mir-9-2, miRNA9-2, mir-9-2 | microRNA 9-2 |
| 4091 | SMAD6 | AOVD2, HsT17432, MADH6, MADH7 | SMAD family member 6 |
| 3680 | ITGA9 | ALPHA-RLC, ITGA4L, RLC | integrin subunit alpha 9 |
| 23210 | JMJD6 | PSR, PTDSR, PTDSR1 | jumonji domain containing 6, arginine demethylase and lysine hydroxylase |
| 6494 | SIPA1 | SPA1 | signal-induced proliferation-associated 1 |
| 406920 | MIR130B | MIRN130B, mir-130b | microRNA 130b |
| 7804 | LRP8 | APOER2, HSZ75190, LRP-8, MCI1 | LDL receptor related protein 8 |
| 7003 | TEAD1 | AA, NTEF-1, REF1, TCF-13, TCF13, TEAD-1, TEF-1 | TEA domain transcription factor 1 |
| 406955 | MIR181B1 | MIRN181B1, mir-181b-1 | microRNA 181b-1 |
| 406998 | MIR216A | MIR216, MIRN216, MIRN216A, miRNA216, mir-216, mir-216a | microRNA 216a |
| 5880 | RAC2 | EN-7, Gx, HSPC022, IMD73A, IMD73B, IMD73C, p21-Rac2 | Rac family small GTPase 2 |
| 406969 | MIR194-1 | MIRN194-1, mir-194-1 | microRNA 194-1 |
| 10614 | HEXIM1 | CLP1, EDG1, HIS1, MAQ1 | HEXIM P-TEFb complex subunit 1 |
| 3202 | HOXA5 | HOX1, HOX1.3, HOX1C | homeobox A5 |
| 54487 | DGCR8 | C22orf12, DGCRK6, Gy1, pasha | DGCR8 microprocessor complex subunit |
| 7543 | ZFX | ZNF926 | zinc finger protein X-linked |
| 4052 | LTBP1 | ARCL2E | latent transforming growth factor beta binding protein 1 |
| 2869 | GRK5 | FP2025, GPRK5 | G protein-coupled receptor kinase 5 |
| 1855 | DVL1 | DRS2, DVLL1, DVL1P1, DVL1 | dishevelled segment polarity protein 1 |
| 407031 | MIR30C1 | MIRN30C1, mir-30c-1 | microRNA 30c-1 |
| 56649 | TMPRSS4 | CAP2, CAPH2, MT-SP2, TMPRSS3 | transmembrane serine protease 4 |
| 9555 | MACROH2A1 | H2A.y, H2A/y, H2AF12M, H2AFY.1, mH2A1, macroH2A1.2, MACROH2A1 | macroH2A.1 histone |
| 84444 | DOT1L | DOT1, KMT4 | DOT1 like histone lysine methyltransferase |
| 2042 | EPHA3 | EK4, ETK, ETK1, HEK, HEK4, TYRO4 | EPH receptor A3 |
| 8535 | CBX4 | NBP16, PC2 | chromobox 4 |
| 406885 | MIRLET7C | LET7C, MIRNLET7C, hsa-let-7c, let-7c | microRNA let-7c |
| 5163 | PDK1 |  | pyruvate dehydrogenase kinase 1 |
| 3198 | HOXA1 | BSAS, HOX1, HOX1F | homeobox A1 |
| 3207 | HOXA11 | HOX1, HOX1I, RUSAT1 | homeobox A11 |
| 3563 | IL3RA | CD123, IL3RY, IL3RX, IL3RY, hIL-3Ra, IL3RA | interleukin 3 receptor subunit alpha |
| 3563 | IL3RA | CD123, IL3RY, IL3RX, IL3RY, hIL-3Ra, IL3RA | interleukin 3 receptor subunit alpha |
| 10215 | OLIG2 | BHLHB1, OLIGO2, PRKCBP2, RACK17, bHLHe19 | oligodendrocyte transcription factor 2 |
| 26523 | AGO1 | EIF2C, EIF2C1, GERP95, Q99, hAgo1 | argonaute RISC component 1 |
| 1870 | E2F2 | E2F-2 | E2F transcription factor 2 |
| 2700 | GJA3 | CTRCT14, CX46, CZP3 | gap junction protein alpha 3 |
| 64798 | DEPTOR | DEP.6, DEPDC6 | DEP domain containing MTOR interacting protein |
| 693159 | MIR574 | MIR574-3p, MIRN574, hsa-mir-574, mir-574 | microRNA 574 |
| 5883 | RAD9A | RAD9 | RAD9 checkpoint clamp component A |
| 5213 | PFKM | ATP-PFK, GSD7, PFK-1, PFK-A, PFK1, PFKA, PFKX, PPP1R122 | phosphofructokinase, muscle |
| 406954 | MIR181A2 | MIRN181A, MIRN181A2, hsa-mir-181a-2, mir-181a-2 | microRNA 181a-2 |
| 3148 | HMGB2 | HMG2 | high mobility group box 2 |
| 494323 | MIR361 | MIRN361, hsa-mir-361, mir-361 | microRNA 361 |
| 23683 | PRKD3 | EPK2, PKC-NU, PKD3, PRKCN, nPKC-NU | protein kinase D3 |
| 81848 | SPRY4 | HH17 | sprouty RTK signaling antagonist 4 |
| 693122 | MIR421 | MIRN421, hsa-mir-421 | microRNA 421 |
| 5933 | RBL1 | CP107, PRB1, p107 | RB transcriptional corepressor like 1 |
| 5927 | KDM5A | RBBP-2, RBBP2, RBP2 | lysine demethylase 5A |
| 10134 | BCAP31 | 6C6-AG, BAP31, CDM, DDCH, DXS1357E | B cell receptor associated protein 31 |
| 440 | ASNS | ASNSD, TS11 | asparagine synthetase (glutamine-hydrolyzing) |
| 5277 | PIGA | GPI3, MCAHS2, PIG-A, PNH1 | phosphatidylinositol glycan anchor biosynthesis class A |
| 1442 | CSH1 | CS-1, CSA, CSMT, GHB3, PL, hCS-1, hCS-A | chorionic somatomammotropin hormone 1 |
| 10220 | GDF11 | BMP-11, BMP11, VHO | growth differentiation factor 11 |
| 4154 | MBNL1 | EXP, MBNL | muscleblind like splicing regulator 1 |
| 1947 | EFNB1 | CFND, CFNS, EFB1, EFL3, EPLG2, Elk-L, LERK2 | ephrin B1 |
| 83706 | FERMT3 | KIND3, MIG-2, MIG2B, UNC112C, URP2, URP2SF | FERM domain containing kindlin 3 |
| 2043 | EPHA4 | EK8, HEK8, SEK, TYRO1 | EPH receptor A4 |
| 6660 | SOX5 | L-SOX5, L-SOX5B, L-SOX5F, LAMSHF | SRY-box transcription factor 5 |
| 5754 | PTK7 | CCK-4, CCK4 | protein tyrosine kinase 7 (inactive) |
| 93649 | MYOCD | MGBL, MYCD | myocardin |
| 1718 | DHCR24 | DCE, Nbla03646, SELADIN1, seladin-1 | 24-dehydrocholesterol reductase |
| 10454 | TAB1 | 3'-Tab1, MAP3K7IP1 | TGF-beta activated kinase 1 (MAP3K7) binding protein 1 |
| 11060 | WWP2 | AIP2, WWp2-like | WW domain containing E3 ubiquitin protein ligase 2 |
| 29117 | BRD7 | BP75, CELTIX1, NAG4, SMARCI1 | bromodomain containing 7 |
| 10288 | LILRB2 | CD85D, ILT-4, ILT4, LIR-2, LIR2, MIR-10, MIR10 | leukocyte immunoglobulin like receptor B2 |
| 135228 | CD109 | CPAMD7, p180, r150 | CD109 molecule |
| 10512 | SEMA3C | SEMAE, SemE | semaphorin 3C |
| 23020 | SNRNP200 | ASCC3L1, BRR2, HELIC2, RP33, U5-200KD | small nuclear ribonucleoprotein U5 subunit 200 |
| 79026 | AHNAK | AHNAKRS, PM227 | AHNAK nucleoprotein |
| 406951 | MIR16-2 | MIRN16-2, mir-16-2, mir-16-3 | microRNA 16-2 |
| 10568 | SLC34A2 | NAPI-3B, NAPI-IIb, NPTIIb, PULAM | solute carrier family 34 member 2 |
| 25825 | BACE2 | AEPLC, ALP56, ASP1, ASP21, BAE2, CDA13, CEAP1, DRAP | beta-secretase 2 |
| 442902 | MIR330 | MIRN330, hsa-mir-330, mir-330 | microRNA 330 |
| 100033819 | MIR675 | MIRN675, hsa-mir-675 | microRNA 675 |
| 6391 | SDHC | CYB560, CYBL, PGL3, QPS1, SDH3 | succinate dehydrogenase complex subunit C |
| 5364 | PLXNB1 | PLEXIN-B1, PLXN5, SEP | plexin B1 |
| 9768 | PCLAF | KIAA0101, L5, NS5ATP9, OEATC, OEATC-1, OEATC1, PAF, PAF15, p15(PAF), p15/PAF, p15PAF | PCNA clamp associated factor |
| 200424 | TET3 | BEFAHRS, hCG\_40738 | tet methylcytosine dioxygenase 3 |
| 5803 | PTPRZ1 | HPTPZ, HPTPzeta, PTP-ZETA, PTP18, PTPRZ, PTPZ, R-PTP-zeta-2, RPTPB, RPTPbeta, phosphacan | protein tyrosine phosphatase receptor type Z1 |
| 1104 | RCC1 | CHC1-I, RCC1 | regulator of chromosome condensation 1 |
| 28964 | GIT1 | p95-APP1 | GIT ArfGAP 1 |
| 51441 | YTHDF2 | CAHL, DF2, HGRG8, NY-REN-2 | YTH N6-methyladenosine RNA binding protein 2 |
| 22992 | KDM2A | CXXC8, FBL11, FBL7, FBXL11, JHDM1A, LILINA | lysine demethylase 2A |
| 2354 | FOSB | AP-1, G0S3, GOS3, GOSB | FosB proto-oncogene, AP-1 transcription factor subunit |
| 84329 | HVCN1 | HV1, VSOP | hydrogen voltage gated channel 1 |
| 84678 | KDM2B | CXXC2, FBXL10, Fbl10, JHDM1B, PCCX2 | lysine demethylase 2B |
| 100750225 | PCAT1 | PCA1, PCAT-1, PiHL | prostate cancer associated transcript 1 |
| 9958 | USP15 | UNPH-2, UNPH4 | ubiquitin specific peptidase 15 |
| 284217 | LAMA1 | LAMA, PTBHS, S-LAM-alpha | laminin subunit alpha 1 |
| 10803 | CCR9 | CC-CKR-9, CDw199, GPR-9-6, GPR28 | C-C motif chemokine receptor 9 |
| 7472 | WNT2 | INT1L1, IRP | Wnt family member 2 |
| 11143 | KAT7 | HBO1, HBOA, MYST2, ZC2HC7 | lysine acetyltransferase 7 |
| 51592 | TRIM33 | ECTO, PTC7, RFG7, TF1G, TIF1G, TIF1GAMMA, TIFGAMMA | tripartite motif containing 33 |
| 10514 | MYBBP1A | P160, PAP2, Pol5 | MYB binding protein 1a |
| 23396 | PIP5K1C | LCCS3, PIP5K-GAMMA, PIP5K1-gamma, PIP5Kgamma | phosphatidylinositol-4-phosphate 5-kinase type 1 gamma |
| 494332 | MIR383 | MIRN383, hsa-mir-383, mir-383 | microRNA 383 |
| 8543 | LMO4 |  | LIM domain only 4 |
| 100126333 | MIR708 | MIRN708, hsa-mir-708 | microRNA 708 |
| 687 | KLF9 | BTEB, BTEB1 | Kruppel like factor 9 |
| 4513 | MT-CO2 | COII, MTCO2, COX2 | mitochondrially encoded cytochrome c oxidase II |
| 9997 | SCO2 | CEMCOX1, ECGF1, Gliostatin, MC4DN2, MYP6, PD-ECGF, SCO1L, TP, TYMP, TdRPase | synthesis of cytochrome C oxidase 2 |
| 407034 | MIR30E | MIR30E\*, MIRN30E, mir-30e | microRNA 30e |
| 2004 | ELK3 | ERP, NET, SAP-2, SAP2 | ETS transcription factor ELK3 |
| 55170 | PRMT6 | HRMT1L6 | protein arginine methyltransferase 6 |
| 347689 | SOX2-OT | NCRNA00043, SOX2OT | SOX2 overlapping transcript |
| 693193 | MIR608 | MIRN608, hsa-mir-608 | microRNA 608 |
| 5874 | RAB27B | C25KG | RAB27B, member RAS oncogene family |
| 406930 | MIR138-2 | MIRN138-2, mir-138-2 | microRNA 138-2 |
| 6405 | SEMA3F | SEMA-IV, SEMA4, SEMAK | semaphorin 3F |
| 284119 | CAVIN1 | CAVIN, CGL4, FKSG13, PTRF, cavin-1 | caveolae associated protein 1 |
| 55210 | ATAD3A | HAYOS, PHRINL | ATPase family AAA domain containing 3A |
| 23022 | PALLD | CGI-151, CGI151, MYN, PNCA1, SIH002 | palladin, cytoskeletal associated protein |
| 8793 | TNFRSF10D | CD264, DCR2, TRAIL-R4, TRAILR4, TRUNDD | TNF receptor superfamily member 10d |
| 8445 | DYRK2 |  | dual specificity tyrosine phosphorylation regulated kinase 2 |
| 6656 | SOX1 |  | SRY-box transcription factor 1 |
| 7480 | WNT10B | SHFM6, STHAG8, WNT-12 | Wnt family member 10B |
| 63978 | PRDM14 | PFM11 | PR/SET domain 14 |
| 22809 | ATF5 | ATFX, HMFN0395 | activating transcription factor 5 |
| 57448 | BIRC6 | APOLLON, BRUCE | baculoviral IAP repeat containing 6 |
| 9170 | LPAR2 | EDG-4, EDG4, LPA-2, LPA2 | lysophosphatidic acid receptor 2 |
| 3679 | ITGA7 |  | integrin subunit alpha 7 |
| 64344 | HIF3A | HIF-3A, HIF3-alpha-1, IPAS, MOP7, PASD7, bHLHe17 | hypoxia inducible factor 3 subunit alpha |
| 406895 | MIR103A1 | MIR103-1, MIRN103-1, mir-103a-1 | microRNA 103a-1 |
| 23603 | CORO1C | HCRNN4 | coronin 1C |
| 660 | BMX | ETK, PSCTK2, PSCTK3 | BMX non-receptor tyrosine kinase |
| 6938 | TCF12 | CRS3, HEB, HTF4, HsT17266, TCF-12, bHLHb20, p64 | transcription factor 12 |
| 9500 | MAGED1 | DLXIN-1, NRAGE | MAGE family member D1 |
| 4537 | MT-ND3 | MTND3, ND3 | mitochondrially encoded NADH dehydrogenase 3 |
| 3381 | IBSP | BNSP, BSP, BSP-II, SP-II | integrin binding sialoprotein |
| 9733 | SART3 | DSAP1, P100, RP11-13G14, TIP110, p110, p110(nrb) | spliceosome associated factor 3, U4/U6 recycling protein |
| 104472715 | SNHG14 | 115HG, IC-SNURF-SNRPN, LNCAT, NCRNA00214, U-UBE3A-ATS, UBE3A-AS, UBE3A-AS1, UBE3A-ATS, UBE3AATS | small nucleolar RNA host gene 14 |
| 84676 | TRIM63 | IRF, MURF1, MURF2, RNF28, SMRZ | tripartite motif containing 63 |
| 117581 | TWIST2 | AMS, BBRSAY, DERMO1, FFDD3, SETLSS, bHLHa39 | twist family bHLH transcription factor 2 |
| 693235 | MIR92B | MIRN92B, hsa-mir-92b, mir-92b | microRNA 92b |
| 57212 | TP73-AS1 | KIAA0495, PDAM | TP73 antisense RNA 1 |
| 90780 | PYGO2 | 1190004M21Rik | pygopus family PHD finger 2 |
| 7101 | NR2E1 | TLL, TLX, XTLL | nuclear receptor subfamily 2 group E member 1 |
| 9052 | GPRC5A | GPCR5A, PEIG-1, RAI3, RAIG1, TIG1 | G protein-coupled receptor class C group 5 member A |
| 406927 | MIR136 | MIRN136, miRNA136, mir-136 | microRNA 136 |
| 3714 | JAG2 | HJ2, LGMDR27, SER2 | jagged canonical Notch ligand 2 |
| 131450 | CD200R1 | CD200R, HCRTR2, MOX2R, OX2R | CD200 receptor 1 |
| 3036 | HAS1 | HAS | hyaluronan synthase 1 |
| 26271 | FBXO5 | EMI1, FBX5, Fbxo31 | F-box protein 5 |
| 9111 | NMI |  | N-myc and STAT interactor |
| 103611090 | CDR1-AS | CDR1NAT, CDR1as, CIRS7, ciRS-7 | CDR1 antisense RNA |
| 407025 | MIR29B2 | MIRN29B2 | microRNA 29b-2 |
| 57504 | MTA3 |  | metastasis associated 1 family member 3 |
| 57758 | SCUBE2 | CEGB1, CEGF1, CEGP1, scube/You | signal peptide, CUB domain and EGF like domain containing 2 |
| 9794 | MAML1 | Mam-1, Mam1 | mastermind like transcriptional coactivator 1 |
| 100126355 | MIR365A | MIR365-1, MIRN365-1, hsa-mir-365a, mir-365a | microRNA 365a |
| 23035 | PHLPP2 | PHLPPL, PPM3B | PH domain and leucine rich repeat protein phosphatase 2 |
| 494326 | MIR377 | MIRN377, hsa-mir-377, mir-377 | microRNA 377 |
| 1735 | DIO3 | 5DIII, D3, DIOIII, TXDI3 | iodothyronine deiodinase 3 |
| 23543 | RBFOX2 | FOX2, Fox-2, HNRBP2, HRNBP2, RBM9, RTA, dJ106I20.3, fxh | RNA binding fox-1 homolog 2 |
| 729082 | OIP5-AS1 | cyrano, linc-OIP5 | OIP5 antisense RNA 1 |
| 143689 | PIWIL4 | HIWI2, MIWI2 | piwi like RNA-mediated gene silencing 4 |
| 7473 | WNT3 | INT4, TETAMS | Wnt family member 3 |
| 54407 | SLC38A2 | ATA2, PRO1068, SAT2, SNAT2 | solute carrier family 38 member 2 |
| 5603 | MAPK13 | MAPK 13, MAPK-13, PRKM13, SAPK4, p38delta | mitogen-activated protein kinase 13 |
| 1875 | E2F5 | E2F-5 | E2F transcription factor 5 |
| 22822 | PHLDA1 | DT1P1B11, PHRIP, TDAG51 | pleckstrin homology like domain family A member 1 |
| 9882 | TBC1D4 | AS160, NIDDM5 | TBC1 domain family member 4 |
| 406964 | MIR188 | MIRN188, miR-188 | microRNA 188 |
| 93 | ACVR2B | ACTRIIB, ActR-IIB, HTX4 | activin A receptor type 2B |
| 5796 | PTPRK | R-PTP-kappa | protein tyrosine phosphatase receptor type K |
| 23369 | PUM2 | PUMH2, PUML2 | pumilio RNA binding family member 2 |
| 574444 | MIR491 | MIRN491, hsa-mir-491, mir-491 | microRNA 491 |
| 406890 | MIRLET7G | LET7G, MIRNLET7G, hsa-let-7g, let-7g | microRNA let-7g |
| 53827 | FXYD5 | DYSAD, HSPC113, IWU1, KCT1, OIT2, PRO6241, RIC | FXYD domain containing ion transport regulator 5 |
| 407036 | MIR32 | MIRN32, hsa-mir-32, miR-32, miRNA32 | microRNA 32 |
| 10252 | SPRY1 | hSPRY1 | sprouty RTK signaling antagonist 1 |
| 554212 | MIR448 | MIRN448, hsa-mir-448, miRNA448 | microRNA 448 |
| 1263 | PLK3 | CNK, FNK, PLK-3, PRK | polo like kinase 3 |
| 2250 | FGF5 | HBGF-5, Smag-82, TCMGLY | fibroblast growth factor 5 |
| 27022 | FOXD3 | AIS1, Genesis, HFH2, VAMAS2 | forkhead box D3 |
| 406916 | MIR128-2 | MIR128B, MIRN128-2, MIRN128B, mir-128-2, mir-128b | microRNA 128-2 |
| 2103 | ESRRB | DFNB35, ERR beta-2, ERR2, ERRb, ERRbeta2, ESRL2, NR3B2 | estrogen related receptor beta |
| 55120 | FANCL | FAAP43, PHF9, POG | FA complementation group L |
| 84687 | PPP1R9B | PPP1R6, PPP1R9, SPINO, Spn | protein phosphatase 1 regulatory subunit 9B |
| 10270 | AKAP8 | AKAP 95, AKAP-8, AKAP-95, AKAP95 | A-kinase anchoring protein 8 |
| 3223 | HOXC6 | CP25, HHO.C8, HOX3, HOX3C | homeobox C6 |
| 29899 | GPSM2 | CMCS, DFNB82, LGN, PINS | G protein signaling modulator 2 |
| 64781 | CERK | LK4, dA59H18.2, dA59H18.3, hCERK | ceramide kinase |
| 10051 | SMC4 | CAP-C, CAPC, SMC-4L1, SMC4 | structural maintenance of chromosomes 4 |
| 407032 | MIR30C2 | MIRN30C2, mir-30c-2 | microRNA 30c-2 |
| 23409 | SIRT4 | SIR2L4 | sirtuin 4 |
| 406886 | MIRLET7D | LET7D, MIRNLET7D, hsa-let-7d, let-7d | microRNA let-7d |
| 26872 | STEAP1 | PRSS24, STEAP | STEAP family member 1 |
| 11191 | PTENP1 | PTEN-rs, PTEN2, PTENpg1, PTH2, psiPTEN | phosphatase and tensin homolog pseudogene 1 |
| 7481 | WNT11 | HWNT11 | Wnt family member 11 |
| 286827 | TRIM59 | IFT80L, MRF1, RNF104, TRIM57, TSBF1 | tripartite motif containing 59 |
| 6999 | TDO2 | HYPTRP, TDO, TO, TPH2, TRPO | tryptophan 2,3-dioxygenase |
| 84870 | RSPO3 | CRISTIN1, PWTSR, THSD2 | R-spondin 3 |
| 4782 | NFIC | CTF, CTF5, NF-I, NFI | nuclear factor I C |
| 23492 | CBX7 |  | chromobox 7 |
| 685 | BTC |  | betacellulin |
| 55288 | RHOT1 | ARHT1, MIRO-1, MIRO1 | ras homolog family member T1 |
| 693198 | MIR613 | MIRN613, hsa-mir-613 | microRNA 613 |
| 1997 | ELF1 | EFTUD1, RIA1 | E74 like ETS transcription factor 1 |
| 84973 | SNHG7 | NCRNA00061 | small nucleolar RNA host gene 7 |
| 2921 | CXCL3 | CINC-2b, GRO3, GROg, MIP-2b, MIP2B, SCYB3 | C-X-C motif chemokine ligand 3 |
| 64746 | ACBD3 | GCP60, GOCAP1, GOLPH1, PAP7 | acyl-CoA binding domain containing 3 |
| 9124 | PDLIM1 | CLIM1, CLP-36, CLP36, HEL-S-112, hCLIM1 | PDZ and LIM domain 1 |
| 406891 | MIRLET7I | LET7I, MIRNLET7I, hsa-let-7i, let-7i | microRNA let-7i |
| 105416157 | NKILA |  | NF-kappaB interacting lncRNA |
| 1964 | EIF1AX | EIF1A, EIF1AP1, EIF4C, eIF-1A, eIF-4C | eukaryotic translation initiation factor 1A X-linked |
| 57162 | PELI1 |  | pellino E3 ubiquitin protein ligase 1 |
| 2528 | FUT6 | FCT3A, FT1A, Fuc-TVI, FucT-VI | fucosyltransferase 6 |
| 574412 | MIR452 | MIRN452, hsa-mir-452, mir-452 | microRNA 452 |
| 50515 | CHST11 | C4ST, C4ST-1, C4ST1, HSA269537, OCBMD | carbohydrate sulfotransferase 11 |
| 3201 | HOXA4 | HOX1, HOX1D | homeobox A4 |
| 9947 | MAGEC1 | CT7, CT7.1 | MAGE family member C1 |
| 84101 | USP44 |  | ubiquitin specific peptidase 44 |
| 81029 | WNT5B |  | Wnt family member 5B |
| 3224 | HOXC8 | HOX3, HOX3A | homeobox C8 |
| 10736 | SIX2 |  | SIX homeobox 2 |
| 10626 | TRIM16 | EBBP | tripartite motif containing 16 |
| 3266 | ERAS | HRAS2, HRASP | ES cell expressed Ras |
| 79804 | HAND2-AS1 | DEIN, NBLA00301, UPH | HAND2 antisense RNA 1 |
| 442911 | MIR346 | MIRN346, hsa-mir-346, miR-346, miRNA346 | microRNA 346 |
| 407044 | MIR7-2 | MIRN7-2, hsa-mir-7-2, mir-7-2 | microRNA 7-2 |
| 54898 | ELOVL2 | SSC2 | ELOVL fatty acid elongase 2 |
| 23235 | SIK2 | LOH11CR1I, QIK, SIK-2, SNF1LK2 | salt inducible kinase 2 |
| 81539 | SLC38A1 | ATA1, NAT2, SAT1, SNAT1 | solute carrier family 38 member 1 |
| 8522 | GAS7 |  | growth arrest specific 7 |
| 5462 | POU5F1B | OCT4-PG1, OCT4PG1, OTF3C, OTF3P1, POU5F1P1, POU5F1P4, POU5FLC20, POU5FLC8 | POU class 5 homeobox 1B |
| 51316 | PLAC8 | C15, DGIC, PNAS-144, onzin | placenta associated 8 |
| 407045 | MIR7-3 | MIRN7-3, hsa-mir-7-3, mir-7-3 | microRNA 7-3 |
| 574441 | MIR488 | MIRN488, hsa-mir-488, mir-488 | microRNA 488 |
| 407023 | MIR299 | MIRN299, mir-299 | microRNA 299 |
| 442894 | MIR302B | MIRN302B, mir-302b | microRNA 302b |
| 84458 | LCOR | C10orf12, MLR2 | ligand dependent nuclear receptor corepressor |
| 56892 | TCIM | C8orf4, TC-1, TC1 | transcriptional and immune response regulator |
| 574033 | MIR18B | MIRN18B, hsa-mir-18b, mir-18b | microRNA 18b |
| 26220 | DGCR5 | DGCR10, DGCR9, DGS-A, DGS-B, LINC00037, NCRNA00037, POM121L5P | DiGeorge syndrome critical region gene 5 |
| 128239 | IQGAP3 |  | IQ motif containing GTPase activating protein 3 |
| 84959 | UBASH3B | STS-1, STS1, TULA-2, TULA2, p70 | ubiquitin associated and SH3 domain containing B |
| 619553 | MIR484 | MIRN484, hsa-mir-484, mir-484 | microRNA 484 |
| 57551 | TAOK1 | DDIB, KFC-B, MAP3K16, MARKK, PSK-2, PSK2, TAO1, hKFC-B, hTAOK1 | TAO kinase 1 |
| 4676 | NAP1L4 | NAP1L4b, NAP2, NAP2L, hNAP2 | nucleosome assembly protein 1 like 4 |
| 693169 | MIR584 | MIRN584, hsa-mir-584 | microRNA 584 |
| 494328 | MIR379 | MIRN379, hsa-mir-379, mir-379 | microRNA 379 |
| 27302 | BMP10 |  | bone morphogenetic protein 10 |
| 23090 | ZNF423 | Ebfaz, JBTS19, NPHP14, OAZ, Roaz, ZFP423, Zfp104, hOAZ | zinc finger protein 423 |
| 406887 | MIRLET7E | LET7E, MIRNLET7E, hsa-let-7e, let-7e | microRNA let-7e |
| 221927 | BRAT1 | BAAT1, C7orf27, NEDCAS, RMFSL | BRCA1 associated ATM activator 1 |
| 5355 | PLP2 | A4, A4LSB | proteolipid protein 2 |
| 26013 | L3MBTL1 | H-L(3)MBT, L3MBTL, ZC2HC3, dJ138B7.3 | L3MBTL histone methyl-lysine binding protein 1 |
| 100302187 | MIR1297 | MIRN1297, hsa-mir-1297, mir-1297 | microRNA 1297 |
| 55510 | DDX43 | CT13, HAGE | DEAD-box helicase 43 |
| 4825 | NKX6-1 | NKX6.1, NKX6A | NK6 homeobox 1 |
| 55771 | PRR11 |  | proline rich 11 |
| 64759 | TNS3 | TEM6, TENS1 | tensin 3 |
| 10620 | ARID3B | BDP, DRIL2 | AT-rich interaction domain 3B |
| 9960 | USP3 | SIH003, UBP | ubiquitin specific peptidase 3 |
| 100126331 | MIR942 | MIRN942, hsa-mir-942, mir-942 | microRNA 942 |
| 100287616 | LOXL1-AS1 |  | LOXL1 antisense RNA 1 |
| 100126318 | MIR301B | MIRN301B, mir-301b | microRNA 301b |
| 58190 | CTDSP1 | NIF3, NLI-IF, NLIIF, SCP1 | CTD small phosphatase 1 |
| 63973 | NEUROG2 | Atoh4, Math4A, NGN2, bHLHa8, ngn-2 | neurogenin 2 |
| 27190 | IL17B | IL-17B, IL-20, NIRF, ZCYTO7 | interleukin 17B |
| 55795 | PCID2 | F10 | PCI domain containing 2 |
| 90632 | LINC00473 | C6orf176, LNC473, bA142J11.1 | long intergenic non-protein coding RNA 473 |
| 406981 | MIR19B2 | MIRN19B2, miR-19b-2 | microRNA 19b-2 |
| 261729 | STEAP2 | IPCA1, PCANAP1, PUMPCn, STAMP1, STMP | STEAP2 metalloreductase |
| 2824 | GPM6B | M6B | glycoprotein M6B |
| 100302123 | MIR1275 | MIRN1275, hsa-mir-1275, mir-1275 | microRNA 1275 |
| 9573 | GDF3 | KFS3, MCOP7, MCOPCB6 | growth differentiation factor 3 |
| 100505881 | MAGI2-AS3 |  | MAGI2 antisense RNA 3 |
| 100302201 | MIR1228 | MIRN1228, hsa-mir-1228, mir-1228 | microRNA 1228 |
| 442895 | MIR302C | MIRN302C, mir-302c | microRNA 302c |
| 192343 | NEWENTRY |  | Record to support submission of GeneRIFs for a gene not in Gene (human). |
| 84787 | KMT5C | SUV420H2, Suv4-20h2 | lysine methyltransferase 5C |
| 693174 | MIR589 | MIRN589, hsa-mir-589, mir-589 | microRNA 589 |
| 100886964 | PTCSC3 |  | papillary thyroid carcinoma susceptibility candidate 3 |
| 80237 | ELL3 |  | elongation factor for RNA polymerase II 3 |
| 693136 | MIR551B | MIRN551B, mir-551b | microRNA 551b |
| 6585 | SLIT1 | MEGF4, SLIL1, SLIT-1, SLIT3 | slit guidance ligand 1 |
| 51105 | PHF20L1 | CGI-72, TDRD20B, URLC1 | PHD finger protein 20 like 1 |
| 196475 | RMST | LINC00054, NCRMS, NCRNA00054 | rhabdomyosarcoma 2 associated transcript |
| 284029 | LINC00324 | C17orf44, NCRNA00324 | long intergenic non-protein coding RNA 324 |
| 144699 | FBXL14 | Fbl14 | F-box and leucine rich repeat protein 14 |
| 100507127 | LINC00707 |  | long intergenic non-protein coding RNA 707 |
| 574493 | MIR520H | MIRN520H | microRNA 520h |
| 10668 | CGRRF1 | CGR19, RNF197 | cell growth regulator with ring finger domain 1 |
| 100422829 | MIR4319 |  | microRNA 4319 |
| 574466 | MIR519C | MIRN519C, mir-519c | microRNA 519c |
| 100507043 | TUNAR | HI-LNC78, LINC00617, TUNA | TCL1 upstream neural differentiation-associated RNA |
| 6775079 | COX2 |  | cytochrome c oxidase subunit II |