**Suppl. Table 1A. The top 200 genes positively correlated with *FMNL2*.**

|  |  |
| --- | --- |
| **Gene Symbol** | **Gene Title** |
| SUZ12 | suppressor of zeste 12 homolog (Drosophila), suppressor of zeste 12 homolog pseudogene |
| RBM12B | RNA binding motif protein 12B |
| FANCL | Fanconi anemia; complementation group L |
| SPIN1 | spindlin 1 |
| ASPM | asp (abnormal spindle) homolog; microcephaly associated (Drosophila) |
| SCAMP1 | secretory carrier membrane protein 1 |
| NID1 | nidogen 1 |
| LIAS | lipoic acid synthetase |
| RIF1 | RAP1 interacting factor homolog (yeast) |
| MIB1 | mindbomb homolog 1 (Drosophila) |
| NONO | non-POU domain containing; octamer-binding |
| TOP2A | topoisomerase (DNA) II alpha 170kDa |
| TBL1XR1 | transducin (beta)-like 1X-linked receptor 1 |
| HP1BP3 | heterochromatin protein 1; binding protein 3 |
| GTF3C3 | general transcription factor IIIC; polypeptide 3; 102kDa |
| SGOL2 | shugoshin-like 2 (S. pombe) |
| GLT8D3 | glycosyltransferase 8 domain containing 3 |
| CBX3 | Chromobox homolog 3 (HP1 gamma homolog; Drosophila) |
| USP37 | ubiquitin specific peptidase 37 |
| TMPO | thymopoietin |
| ZNF146 | zinc finger protein 146 |
| IMPACT | Impact homolog (mouse) |
| ZNF638 | zinc finger protein 638 |
| ZNF260 | zinc finger protein 260 |
| NARG1 | NMDA receptor regulated 1 |
| SFRS7 | splicing factor; arginine/serine-rich 7; 35kDa |
| KIAA0907 | KIAA0907 |
| ZNF566 | zinc finger protein 566 |
| LOC643167 | RNA binding motif protein 39, similar to RNA-binding region-containing protein 2 (Hepatocellular carcinoma protein 1) (Splicing factor HCC1) |
| OSBPL1A | oxysterol binding protein-like 1A |
| FAM29A | family with sequence similarity 29; member A |
| CCDC18 | coiled-coil domain containing 18 |
| ATP11C | ATPase; Class VI; type 11C |
| POGK | pogo transposable element with KRAB domain |
| STRAP | Serine/threonine kinase receptor associated protein |
| EIF2C3 | eukaryotic translation initiation factor 2C; 3 |
| ZNF271 | zinc finger protein 271 |
| GNAS | GNAS complex locus |
| RCN1 | reticulocalbin 1; EF-hand calcium binding domain |
| ZNF124 | zinc finger protein 124 |
| RSRC1 | arginine/serine-rich coiled-coil 1 |
| ANP32A | acidic (leucine-rich) nuclear phosphoprotein 32 family; member A |
| SMCHD1 | structural maintenance of chromosomes flexible hinge domain containing 1 |
| CDCA7 | cell division cycle associated 7 |
| SLC39A6 | solute carrier family 39 (zinc transporter); member 6 |
| RPL23 | ribosomal protein L23 |
| JAK1 | Janus kinase 1 (a protein tyrosine kinase) |
| ZNF195 | zinc finger protein 195 |
| CSE1L | CSE1 chromosome segregation 1-like (yeast) |
| HSPD1 | heat shock 60kDa protein 1 (chaperonin) |
| CCAR1 | Cell division cycle and apoptosis regulator 1 |
| ANKIB1 | ankyrin repeat and IBR domain containing 1 |
| SDCCAG10 | serologically defined colon cancer antigen 10 |
| THOC2 | THO complex 2 |
| LOC645233 | similar to G/T mismatch-specific thymine DNA glycosylase, thymine-DNA glycosylase |
| SERBP1 | SERPINE1 mRNA binding protein 1 |
| EIF3C | eukaryotic translation initiation factor 3; subunit C |
| PRMT3 | protein arginine methyltransferase 3 |
| WDR36 | WD repeat domain 36 |
| MARCKSL1 | MARCKS-like 1 |
| P15RS | hypothetical protein FLJ10656 |
| KLHL23 | kelch-like 23 (Drosophila) |
| PRO1073 | PRO1073 protein |
| SR140 | U2-associated SR140 protein |
| SEH1L | SEH1-like (S. cerevisiae) |
| PTPN4 | protein tyrosine phosphatase; non-receptor type 4 (megakaryocyte) |
| COX15 | COX15 homolog; cytochrome c oxidase assembly protein (yeast) |
| ESF1 | ESF1; nucleolar pre-rRNA processing protein; homolog (S. cerevisiae) |
| TMEM161B | transmembrane protein 161B |
| TOP1 | topoisomerase (DNA) I |
| MTF2 | metal response element binding transcription factor 2 |
| AGPAT5 | 1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase; epsilon) |
| CCDC59 | coiled-coil domain containing 59 |
| THADA | Thyroid adenoma associated |
| SPAG9 | sperm associated antigen 9 |
| KPNB1 | karyopherin (importin) beta 1 |
| ZWILCH | Zwilch; kinetochore associated; homolog (Drosophila) |
| ATAD2 | ATPase family; AAA domain containing 2 |
| SUZ12P | Suppressor of zeste 12 homolog pseudogene |
| SLC25A36 | Solute carrier family 25; member 36 |
| TAF15 | TAF15 RNA polymerase II; TATA box binding protein (TBP)-associated factor; 68kDa |
| YME1L1 | YME1-like 1 (S. cerevisiae) |
| ZNF562 | zinc finger protein 562 |
| DENR | density-regulated protein, similar to Density-regulated protein (DRP) (DRP1 protein) (Smooth muscle cell-associated protein 3) (SMAP-3) |
| XPNPEP3 | X-prolyl aminopeptidase (aminopeptidase P) 3; putative |
| TMEM48 | transmembrane protein 48 |
| SSBP1 | single-stranded DNA binding protein 1 |
| BRCC3 | BRCA1/BRCA2-containing complex; subunit 3 |
| DHX9 | DEAH (Asp-Glu-Ala-His) box polypeptide 9 |
| FGFR1OP2 | FGFR1 oncogene partner 2 |
| NBN | nibrin |
| ETNK1 | ethanolamine kinase 1 |
| TIA1 | TIA1 cytotoxic granule-associated RNA binding protein |
| CSNK2A1 | casein kinase 2; alpha 1 polypeptide, casein kinase 2; alpha 1 polypeptide pseudogene |
| CAPRIN1 | cell cycle associated protein 1 |
| HSP90AB1 | heat shock protein 90kDa alpha (cytosolic); class B member 1 |
| MICAL2 | microtubule associated monoxygenase; calponin and LIM domain containing 2 |
| LOC732233 | hypothetical protein LOC732233, sideroflexin 1 |
| RAPH1 | Ras association (RalGDS/AF-6) and pleckstrin homology domains 1 |
| ATXN1 | ataxin 1 |
| ARSK | arylsulfatase family; member K |
| UHMK1 | U2AF homology motif (UHM) kinase 1 |
| NAIP | NLR family; apoptosis inhibitory protein, neuronal apoptosis inhibitory protein (centromeric) |
| MOBKL1B | MOB1; Mps One Binder kinase activator-like 1B (yeast) |
| NUPL1 | nucleoporin like 1 |
| UBE2W | ubiquitin-conjugating enzyme E2W (putative) |
| SMAD4 | SMAD family member 4 |
| DHX15 | DEAH (Asp-Glu-Ala-His) box polypeptide 15 |
| SHMT2 | serine hydroxymethyltransferase 2 (mitochondrial) |
| SYNJ2BP | Synaptojanin 2 binding protein |
| NUP62 | nucleoporin 62kDa |
| RSF1 | remodeling and spacing factor 1 |
| SMG1 | PI-3-kinase-related kinase SMG-1 |
| USP1 | ubiquitin specific peptidase 1 |
| RABGGTB | Rab geranylgeranyltransferase; beta subunit |
| PCBP2 | poly(rC) binding protein 2 |
| HNRNPR | heterogeneous nuclear ribonucleoprotein R |
| FAM133B | family with sequence similarity 133; member B, hypothetical protein LOC728153, hypothetical protein MGC40405 pseudogene |
| MORF4L2 | Mortality factor 4 like 2 |
| CYCS | cytochrome c; somatic |
| U2AF2 | U2 small nuclear RNA auxiliary factor 2 |
| LMAN1 | lectin; mannose-binding; 1 |
| SYNCRIP | synaptotagmin binding; cytoplasmic RNA interacting protein |
| NUCKS1 | nuclear casein kinase and cyclin-dependent kinase substrate 1 |
| KIAA1731 | KIAA1731 |
| ZNF228 | zinc finger protein 228 |
| MRPS5 | mitochondrial ribosomal protein S5 |
| ZC3H7A | zinc finger CCCH-type containing 7A |
| IPO9 | importin 9 |
| PSME4 | proteasome (prosome; macropain) activator subunit 4 |
| H2AFY | H2A histone family; member Y |
| CBLL1 | Cas-Br-M (murine) ecotropic retroviral transforming sequence-like 1 |
| SUMO1 | SMT3 suppressor of mif two 3 homolog 1 (S. cerevisiae) |
| RBM25 | RNA binding motif protein 25 |
| RPL37 | Ribosomal protein L37 |
| UQCRC2 | ubiquinol-cytochrome c reductase core protein II |
| TADA2L | transcriptional adaptor 2 (ADA2 homolog; yeast)-like |
| TTC3 | tetratricopeptide repeat domain 3 |
| COL4A1 | collagen; type IV; alpha 1 |
| RANBP2 | RAN binding protein 2 |
| TMEM38B | transmembrane protein 38B |
| TAF4B | TAF4b RNA polymerase II; TATA box binding protein (TBP)-associated factor; 105kDa |
| CCDC139 | Coiled-coil domain containing 139 |
| FLJ25778 | hypothetical protein FLJ25778 |
| SFRS1 | splicing factor; arginine/serine-rich 1 (splicing factor 2; alternate splicing factor) |
| ZNF420 | zinc finger protein 420 |
| ZFR | zinc finger RNA binding protein |
| TRIM59 | tripartite motif-containing 59 |
| HNRPU | Heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A) |
| ZMYM4 | zinc finger; MYM-type 4 |
| EHBP1 | EH domain binding protein 1 |
| THAP6 | THAP domain containing 6 |
| GNPDA1 | glucosamine-6-phosphate deaminase 1 |
| INTS7 | integrator complex subunit 7 |
| XPO1 | exportin 1 (CRM1 homolog; yeast) |
| ILF3 | interleukin enhancer binding factor 3; 90kDa |
| MST101 | MSTP101 |
| RPE | ribulose-5-phosphate-3-epimerase |
| PMAIP1 | phorbol-12-myristate-13-acetate-induced protein 1 |
| RIC8B | resistance to inhibitors of cholinesterase 8 homolog B (C. elegans) |
| NFE2L3 | nuclear factor (erythroid-derived 2)-like 3 |
| ADNP | activity-dependent neuroprotector homeobox |
| TIPRL | TIP41; TOR signaling pathway regulator-like (S. cerevisiae) |
| ZNF567 | zinc finger protein 567 |
| UBXD8 | UBX domain containing 8 |
| PRPF40A | PRP40 pre-mRNA processing factor 40 homolog A (S. cerevisiae) |
| GTF2A2 | General transcription factor IIA; 2; 12kDa |
| TRIM4 | tripartite motif-containing 4 |
| RFC1 | replication factor C (activator 1) 1; 145kDa |
| HELLS | helicase; lymphoid-specific |
| GCA | grancalcin; EF-hand calcium binding protein |
| DDX42 | DEAD (Asp-Glu-Ala-Asp) box polypeptide 42 |
| NFE2L2 | nuclear factor (erythroid-derived 2)-like 2 |
| KLHL12 | kelch-like 12 (Drosophila) |
| COL4A2 | collagen; type IV; alpha 2 |
| BRWD3 | bromodomain and WD repeat domain containing 3 |
| TBC1D24 | TBC1 domain family; member 24 |
| ATG4C | ATG4 autophagy related 4 homolog C (S. cerevisiae), Ctr9; Paf1/RNA polymerase II complex component; homolog (S. cerevisiae) |
| STXBP3 | syntaxin binding protein 3 |
| BCL2L13 | BCL2-like 13 (apoptosis facilitator) |
| ZNF294 | zinc finger protein 294 |
| SFRS12 | splicing factor; arginine/serine-rich 12 |
| hCG\_1644608 | SET translocation (myeloid leukemia-associated), SET translocation (myeloid leukemia-associated) pseudogene, similar to Protein SET (Phosphatase 2A inhibitor I2PP2A) (I-2PP2A) (Template-activating factor I) (TAF-I) (HLA-DR-associated protein II) (PHAPII) (Inhibitor of granzyme A-activated DNase) (IGAAD) |
| TSN | translin |
| CLASP1 | Cytoplasmic linker associated protein 1 |
| NRAS | neuroblastoma RAS viral (v-ras) oncogene homolog |
| HEATR1 | HEAT repeat containing 1 |
| CXCL11 | chemokine (C-X-C motif) ligand 11 |
| CSNK1A1 | Casein kinase 1; alpha 1 |
| RFXDC2 | regulatory factor X domain containing 2 |
| LOC727839 | matrin 3, similar to Matrin-3 (Nuclear scaffold protein P130/MAT3) |
| TRPM7 | transient receptor potential cation channel; subfamily M; member 7 |
| POT1 | POT1 protection of telomeres 1 homolog (S. pombe) |
| ORC5L | origin recognition complex; subunit 5-like (yeast) |
| FAM60A | family with sequence similarity 60; member A, similar to Protein FAM60A (Tera protein), similar to teratocarcinoma expressed; serine rich |
| LOC440345 | PI-3-kinase-related kinase SMG-1, PI-3-kinase-related kinase SMG-1 - like locus, PI-3-kinase-related kinase SMG-1 pseudogene, hypothetical protein LOC440345, similar to PI-3-kinase-related kinase SMG-1 |
| USP34 | ubiquitin specific peptidase 34 |
| FUSIP1 | FUS interacting protein (serine/arginine-rich) 1, similar to FUS-interacting serine-arginine-rich protein 1 (TLS-associated protein with Ser-Arg repeats) (TLS-associated protein with SR repeats) (TASR) (TLS-associated serine-arginine protein) (TLS-associated SR protein) (Neural-specific SR protein... |
| BUB3 | BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast) |
| UBE3C | Ubiquitin protein ligase E3C |

**Suppl. Table 1B. The top 200 genes negatively correlated with *FMNL2*.**

|  |  |  |
| --- | --- | --- |
| **Gene Symbol** | **Gene Title** | |
| MARCHF4 | membrane-associated ring finger (C3HC4) 4 | |
| UPK1B | uroplakin 1B | |
| LRG1 | leucine-rich alpha-2-glycoprotein 1 | |
| ALDOB | aldolase B; fructose-bisphosphate | |
| PPL | periplakin |  |
| PCP4L1 | Purkinje cell protein 4 like 1 | |
| ANXA11 | annexin A11 | |
| NUDT16 | nudix (nucleoside diphosphate linked moiety X)-type motif 16 | |
| OSTalpha | organic solute transporter alpha | |
| MT1E | metallothionein 1E | |
| MSRA | methionine sulfoxide reductase A | |
| ZNF750 | zinc finger protein 750 | |
| MT1P3 | Metallothionein 1 pseudogene 3 | |
| CA5B | carbonic anhydrase VB; mitochondrial | |
| GSTA1 | glutathione S-transferase A1 | |
| STIM1 | stromal interaction molecule 1 | |
| SLC9A3R1 | solute carrier family 9 (sodium/hydrogen exchanger); member 3 regulator 1 | |
| PLLP | plasma membrane proteolipid (plasmolipin) | |
| VPS11 | vacuolar protein sorting 11 homolog (S. cerevisiae) | |
| NDRG2 | NDRG family member 2 | |
| MYH14 | myosin; heavy chain 14 | |
| FAM3D | family with sequence similarity 3; member D | |
| PWWP2 | PWWP domain containing 2 | |
| TRIM7 | tripartite motif-containing 7 | |
| GRM5 | glutamate receptor; metabotropic 5 | |
| CARD14 | caspase recruitment domain family; member 14 | |
| AKR1C3 | aldo-keto reductase family 1; member C3 (3-alpha hydroxysteroid dehydrogenase; type II) | |
| ZBTB7C | zinc finger and BTB domain containing 7C | |
| STK24 | serine/threonine kinase 24 (STE20 homolog; yeast) | |
| BAIAP2 | BAI1-associated protein 2 | |
| CDH26 | cadherin-like 26 | |
| GALNS | galactosamine (N-acetyl)-6-sulfate sulfatase (Morquio syndrome; mucopolysaccharidosis type IVA) | |
| CLDN10 | claudin 10 | |
| LOH11CR2A | loss of heterozygosity; 11; chromosomal region 2; gene A | |
| DDEFL1 | development and differentiation enhancing factor-like 1 | |
| MUC4 | mucin 4; cell surface associated | |
| LCN2 | lipocalin 2 (oncogene 24p3) | |
| VSIG2 | V-set and immunoglobulin domain containing 2 | |
| PLCE1 | phospholipase C; epsilon 1 | |
| PTK6 | PTK6 protein tyrosine kinase 6 | |
| KIF1C | kinesin family member 1C | |
| FUT2 | fucosyltransferase 2 (secretor status included) | |
| LOC388963 | similar to short-chain dehydrogenase/reductase 1 | |
| PINK1 | PTEN induced putative kinase 1 | |
| PAK6 | p21(CDKN1A)-activated kinase 6 | |
| MT1M | metallothionein 1M | |
| KLF8 | Kruppel-like factor 8 | |
| FZR1 | fizzy/cell division cycle 20 related 1 (Drosophila) | |
| CLIC6 | chloride intracellular channel 6 | |
| RAB11FIP5 | RAB11 family interacting protein 5 (class I) | |
| CSTB | cystatin B (stefin B) | |
| B3GALT4 | UDP-Gal:betaGlcNAc beta 1;3-galactosyltransferase; polypeptide 4 | |
| CRAT | carnitine acetyltransferase | |
| GAS2L2 | growth arrest-specific 2 like 2 | |
| CENTB1 | Centaurin; beta 1 | |
| KIAA0284 | KIAA0284 | |
| DNAH1 | dynein; axonemal; heavy chain 1 | |
| GUCA2B | guanylate cyclase activator 2B (uroguanylin) | |
| PPP1R13L | protein phosphatase 1; regulatory (inhibitor) subunit 13 like | |
| MGLL | monoglyceride lipase | |
| CMYA5 | cardiomyopathy associated 5 | |
| FGD2 | FYVE; RhoGEF and PH domain containing 2 | |
| GAS8 | growth arrest-specific 8 | |
| SCNN1B | sodium channel; nonvoltage-gated 1; beta (Liddle syndrome) | |
| RAB37 | RAB37; member RAS oncogene family | |
| PRIM2 | primase; DNA; polypeptide 2 (58kDa) | |
| PNPLA7 | patatin-like phospholipase domain containing 7 | |
| TTC9 | tetratricopeptide repeat domain 9 | |
| CHRNA2 | cholinergic receptor; nicotinic; alpha 2 (neuronal) | |
| ARHGEF5 | Rho guanine nucleotide exchange factor (GEF) 5 | |
| GSTA3 | glutathione S-transferase A3 | |
| F3 | coagulation factor III (thromboplastin; tissue factor) | |
| S100P | S100 calcium binding protein P | |
| KRT4 | keratin 4 |  |
| SLAIN2 | SLAIN motif family; member 2 | |
| GPRC5C | G protein-coupled receptor; family C; group 5; member C | |
| VPS13D | vacuolar protein sorting 13 homolog D (S. cerevisiae) | |
| TCF2 | transcription factor 2; hepatic; LF-B3; variant hepatic nuclear factor | |
| CHP2 | calcineurin B homologous protein 2 | |
| SERPINB1 | serpin peptidase inhibitor; clade B (ovalbumin); member 1 | |
| TPPP | Tubulin polymerization promoting protein | |
| ATP13A5 | ATPase type 13A5 | |
| MAS1 | MAS1 oncogene | |
| POU6F1 | POU class 6 homeobox 1 | |
| PRSS23 | Protease; serine; 23 | |
| MMP25 | matrix metallopeptidase 25 | |
| SYNGR1 | synaptogyrin 1 | |
| SERPINB3 | serpin peptidase inhibitor; clade B (ovalbumin); member 3 | |
| BNIPL | BCL2/adenovirus E1B 19kD interacting protein like | |
| SLPI | secretory leukocyte peptidase inhibitor | |
| TACSTD2 | tumor-associated calcium signal transducer 2 | |
| IGHA1 | Immunoglobulin heavy constant alpha 1 | |
| DPPA4 | developmental pluripotency associated 4 | |
| KNDC1 | Kinase non-catalytic C-lobe domain (KIND) containing 1 | |
| TMPRSS2 | transmembrane protease; serine 2 | |
| SLC16A11 | Solute carrier family 16; member 11 (monocarboxylic acid transporter 11) | |
| SUHW1 | suppressor of hairy wing homolog 1 (Drosophila) | |
| KALRN | kalirin; RhoGEF kinase | |
| LTB4DH | leukotriene B4 12-hydroxydehydrogenase | |
| psiTPTE22 | TPTE pseudogene | |
| CUL5 | cullin 5 |  |
| SSH3 | slingshot homolog 3 (Drosophila) | |
| ZSWIM5 | zinc finger; SWIM-type containing 5 | |
| ATP1A2 | ATPase; Na+/K+ transporting; alpha 2 (+) polypeptide | |
| MUC5AC | mucin 5AC; oligomeric mucus/gel-forming | |
| LGALS7 | lectin; galactoside-binding; soluble; 7 (galectin 7), similar to Galectin-7 (Gal-7) (HKL-14) (PI7) (p53-induced protein 1) | |
| AQP3 | aquaporin 3 (Gill blood group) | |
| CES2 | carboxylesterase 2 (intestine; liver) | |
| FUZ | fuzzy homolog (Drosophila) | |
| PMFBP1 | polyamine modulated factor 1 binding protein 1 | |
| SYNGR1 | synaptogyrin 1 | |
| DHCR24 | 24-dehydrocholesterol reductase | |
| TBC1D22A | TBC1 domain family; member 22A | |
| BLR1 | Burkitt lymphoma receptor 1; GTP binding protein (chemokine (C-X-C motif) receptor 5) | |
| FUT3 | fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase; Lewis blood group) | |
| TOM1L2 | target of myb1-like 2 (chicken) | |
| MLYCD | malonyl-CoA decarboxylase | |
| MLPH | melanophilin | |
| CYLD | cylindromatosis (turban tumor syndrome) | |
| ARSA | arylsulfatase A | |
| TBC1D9 | TBC1 domain family; member 9 (with GRAM domain) | |
| MBP | myelin basic protein | |
| GCHFR | GTP cyclohydrolase I feedback regulator | |
| DBP | D site of albumin promoter (albumin D-box) binding protein | |
| ODF4 | outer dense fiber of sperm tails 4 | |
| GOLGA2 | golgi autoantigen; golgin subfamily a; 2 | |
| GRM4 | glutamate receptor; metabotropic 4 | |
| PI3 | peptidase inhibitor 3; skin-derived (SKALP) | |
| NT5E | 5'-nucleotidase; ecto (CD73) | |
| ZFP42 | zinc finger protein 42 homolog (mouse) | |
| LOC442142 | Similar to SRY-box containing gene 30 | |
| WDTC1 | WD and tetratricopeptide repeats 1 | |
| FAM83C | family with sequence similarity 83; member C | |
| CLDN7 | claudin 7 |  |
| WHSC1L1 | Wolf-Hirschhorn syndrome candidate 1-like 1 | |
| ISYNA1 | myo-inositol 1-phosphate synthase A1 | |
| DUOXA1 | dual oxidase maturation factor 1 | |
| KIAA0513 | KIAA0513 | |
| RTEL1 | regulator of telomere elongation helicase 1 | |
| MAPKAPK2 | mitogen-activated protein kinase-activated protein kinase 2 | |
| EPS8L2 | EPS8-like 2 | |
| NDEL1 | nudE nuclear distribution gene E homolog (A. nidulans)-like 1 | |
| KNDC1 | kinase non-catalytic C-lobe domain (KIND) containing 1 | |
| LOC649314 | Similar to 40S ribosomal protein S3a (V-fos transformation effector protein) | |
| TTC12 | tetratricopeptide repeat domain 12 | |
| SDCBP2 | syndecan binding protein (syntenin) 2 | |
| CNTROB | centrobin; centrosomal BRCA2 interacting protein | |
| SLC15A2 | solute carrier family 15 (H+/peptide transporter); member 2 | |
| ZFYVE21 | zinc finger; FYVE domain containing 21 | |
| CLCA2 | chloride channel; calcium activated; family member 2 | |
| POLE | polymerase (DNA directed); epsilon | |
| ASS1 | argininosuccinate synthetase 1 | |
| FRAT1 | frequently rearranged in advanced T-cell lymphomas | |
| PSMD4 | proteasome (prosome; macropain) 26S subunit; non-ATPase; 4 | |
| SARM1 | sterile alpha and TIR motif containing 1 | |
| LOC643008 | PP12104 |  |
| ALDH3A1 | aldehyde dehydrogenase 3 family; memberA1 | |
| TP53INP2 | tumor protein p53 inducible nuclear protein 2 | |
| AQP3 | aquaporin 3 (Gill blood group) | |
| MLZE | melanoma-derived leucine zipper; extra-nuclear factor | |
| ARVCF | armadillo repeat gene deletes in velocardiofacial syndrome | |
| SPNS3 | spinster homolog 3 (Drosophila) | |
| CLCA4 | chloride channel; calcium activated; family member 4 | |
| ZNF771 | zinc finger protein 771 | |
| BTBD6 | BTB (POZ) domain containing 6 | |
| USP4 | ubiquitin specific peptidase 4 (proto-oncogene) | |
| PPP1R3B | protein phosphatase 1; regulatory (inhibitor) subunit 3B | |
| PER1 | period homolog 1 (Drosophila) | |
| ADMR | adrenomedullin receptor | |
| CDSN | corneodesmosin | |
| ZNF606 | zinc finger protein 606 | |
| SCN5A | sodium channel; voltage-gated; type V; alpha subunit | |
| CHRD | chordin |  |
| DND1 | dead end homolog 1 (zebrafish) | |
| ZFP36 | zinc finger protein 36; C3H type; homolog (mouse) | |
| GARNL1 | GTPase activating Rap/RanGAP domain-like 1 | |
| CCDC13 | coiled-coil domain containing 13 | |
| SCIN | scinderin |  |
| PRM2 | protamine 2 | |
| PCSK5 | proprotein convertase subtilisin/kexin type 5 | |
| ALDH1A3 | aldehyde dehydrogenase 1 family; member A3 | |
| KIAA1644 | KIAA1644 protein | |
| SLC16A5 | solute carrier family 16; member 5 (monocarboxylic acid transporter 6) | |
| GPRC5A | G protein-coupled receptor; family C; group 5; member A | |
| TMEM45B | transmembrane protein 45B | |
| ZNF185 | zinc finger protein 185 (LIM domain) | |
| SERPINB11 | serpin peptidase inhibitor; clade B (ovalbumin); member 11 | |
| PRRT3 | proline-rich transmembrane protein 3 | |
| GBP6 | Guanylate binding protein family; member 6 | |
| SNED1 | sushi; nidogen and EGF-like domains 1 | |
| RIPK4 | receptor-interacting serine-threonine kinase 4 | |
| B4GALNT3 | beta-1;4-N-acetyl-galactosaminyl transferase 3 | |
| CHL1 | Cell adhesion molecule with homology to L1CAM (close homolog of L1) | |
| SGMS2 | sphingomyelin synthase 2 | |
| EPHA2 | EPH receptor A2 | |
| MASP1 | mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor) | |
| CNTD2 | cyclin N-terminal domain containing 2 | |
| CTSD | cathepsin D | |
| PTPRZ1 | protein tyrosine phosphatase; receptor-type; Z polypeptide 1 | |
| HS3ST6 | heparan sulfate (glucosamine) 3-O-sulfotransferase 6 | |