### Supplement Table 2. 1219 human genes of inflammatory osteolysis-related.

| Number | Protein name                                      | Gene name     |
|--------|--------------------------------------------------|---------------|
| 1      | Matrix Metallopeptidase 2                        | MMP2          |
| 2      | Nucleotide Binding Oligomerization Domain Containing 2 | NOD2          |
| 3      | Interleukin 10                                   | IL10          |
| 4      | Interleukin 6                                    | IL6           |
| 5      | MAF BZIP Transcription Factor B                  | MAFB          |
| 6      | Tumor Necrosis Factor                            | TNF           |
| 7      | TNF Receptor Superfamily Member 11a              | TNFRSF11A     |
| 8      | Transforming Growth Factor Beta 1                | TGFB1         |
| 9      | ADAM Metallopeptidase Domain 17                  | ADAM17        |
| 10     | Lysophosphatidylcholine Acyltransferase 2        | LPCAT2        |
| 11     | Interleukin 1 Beta                               | IL1B          |
| 12     | Matrix Metallopeptidase 14                        | MMP14         |
| 13     | C-X-C Motif Chemokine Ligand 8                   | CXCL8         |
| 14     | Receptor Interacting Serine/Threonine Kinase 1   | RIPK1         |
| 15     | NLR Family Pyrin Domain Containing 3             | NLRP3         |
| 16     | Interleukin 23 Receptor                          | IL23R         |
| 17     | Toll Like Receptor 4                             | TLR4          |
| 18     | Interferon Gamma                                 | IFNG          |
| 19     | Major Histocompatibility Complex, Class II, DR Beta 1 | HLA-DRB1   |
| 20     | C-Reactive Protein                               | CRP           |
| 21     | Prostaglandin-Endoperoxide Synthase 2            | PTGS2         |
| 22     | Epidermal Growth Factor Receptor                 | EGFR          |
| 23     | C-C Motif Chemokine Ligand 2                     | CCL2          |
| 24     | Interleukin 1 Receptor Antagonist                | IL1RN         |
| 25     | C-C Motif Chemokine Ligand 3                     | CCL3          |
| 26     | Interleukin 1 Alpha                              | IL1A          |
| 27     | Interferon Regulatory Factor 5                   | IRF5          |
| 28     | TNF Superfamily Member 11                        | TNFSF11       |
| 29     | Interleukin 4                                    | IL4           |
| 30     | Interleukin 17A                                  | IL17A         |
| 31     | TNF Receptor Superfamily Member 1A               | TNFRSF1A      |
| 32     | ATP Binding Cassette Subfamily B Member 1        | ABCB1         |
| 33     | Interleukin 13                                  | IL13          |
| 34     | BAF Nuclear Assembly Factor 1                    | BANF1         |
| 35     | MEFV Innate Immunity Regulator, Pyrin            | MEFV          |
| 36     | Major Histocompatibility Complex, Class I, B     | HLA-B         |
| 37     | Interleukin 2                                   | IL2           |
| 38     | C-C Motif Chemokine Receptor 6                   | CCR6          |
| 39     | Proline-Serine-Threonine Phosphatase Interacting Protein 1 | PSTPIP1 |
| 40     | C-C Motif Chemokine Ligand 4                     | CCL4          |
| 41     | Notch Receptor 2                                 | NOTCH2        |
| 42     | Toll Like Receptor 2                             | TLR2          |
|   | Gene Name                                      | 1-letter Code |
|---|-----------------------------------------------|---------------|
|43 | TNF Receptor Superfamily Member 11b           | TNFRSF11B     |
|44 | Tumor Protein P53                              | TP53          |
|45 | Intercellular Adhesion Molecule 1             | ICAM1         |
|46 | Cytotoxic T-Lymphocyte Associated Protein 4   | CTLA4         |
|47 | Interleukin 2 Receptor Subunit Alpha          | IL2RA         |
|48 | Protein Tyrosine Phosphatase Non-Receptor Type 22 | PTPN22      |
|49 | C-C Motif Chemokine Receptor 1               | CCR1          |
|50 | Interleukin 12B                               | IL12B         |
|51 | Mitogen-Activated Protein Kinase 14           | MAPK14        |
|52 | Prostaglandin-Endoperoxide Synthase 1         | PTGS1         |
|53 | C-C Motif Chemokine Ligand 5                 | CCL5          |
|54 | Signal Transducer And Activator Of Transcription 1 | STAT1      |
|55 | Lamin A/C                                     | LMNA          |
|56 | Vascular Endothelial Growth Factor A          | VEGFA         |
|57 | Interferon Induced With Helicase C Domain 1   | IFIH1         |
|58 | Lymphotxin Alpha                              | LTA           |
|59 | Matrix Metallopeptidase 9                    | MMP9          |
|60 | Platelet Derived Growth Factor Receptor Alpha | PDGFRα        |
|61 | Macrophage Migration Inhibitory Factor        | MIF           |
|62 | Arachidonate 5-Lipoxygenase                  | ALOX5         |
|63 | C-C Motif Chemokine Receptor 5               | CCR5          |
|64 | Interleukin 1 Receptor Type 1                 | IL1R1         |
|65 | Spleen Associated Tyrosine Kinase            | SYK           |
|66 | C-C Motif Chemokine Ligand 11                | CCL11         |
|67 | Secreted Phosphoprotein 1                    | SPP1          |
|68 | Sequestosome 1                                | SQSTM1        |
|69 | Interleukin 5                                 | IL5           |
|70 | Signal Transducer And Activator Of Transcription 3 | STAT3      |
|71 | C-C Motif Chemokine Ligand 20                | CCL20         |
|72 | Interleukin 18                                | IL18          |
|73 | ALK Receptor Tyrosine Kinase                 | ALK           |
|74 | Matrix Metallopeptidase 1                    | MMP1          |
|75 | Nuclear Factor Kappa B Subunit 1             | NFKB1         |
|76 | Elastase, Neutrophil Expressed               | ELANE         |
|77 | Zinc Metallopeptidase STE24                  | ZMPSTE24      |
|78 | Interleukin 6 Receptor                       | IL6R          |
|79 | NFKB Inhibitor Alpha                         | NFKBIA        |
|80 | C-X-C Motif Chemokine Ligand 10              | CXCL10        |
|81 | Colony Stimulating Factor 1                  | CSF1          |
|82 | Platelet Derived Growth Factor Receptor Beta | PDGFRB        |
|83 | Selectin E                                   | SELE          |
|84 | Peripheral Myelin Protein 22                 | PMP22         |
|85 | TNF Receptor Superfamily Member 1B           | TNFRSF1B      |
|86 | Albumin                                      | ALB           |
| No. | Gene Name                                      | Short Name  |
|-----|-----------------------------------------------|-------------|
| 87  | C-X-C Motif Chemokine Ligand 2               | CXCL2       |
| 88  | Adiponectin, C1Q And Collagen Domain Containing | ADIPOQ      |
| 89  | Signal Transducer And Activator Of Transcription 4 | STAT4      |
| 90  | Proteinase 3                                 | PRTN3       |
| 91  | Fas Cell Surface Death Receptor              | FAS         |
| 92  | Nitric Oxide Synthase 2                      | NOS2        |
| 93  | Inhibitor Of Nuclear Factor Kappa B Kinase Regulatory Subunit Gamma | IKBKG |
| 94  | Colony Stimulating Factor 2                   | CSF2        |
| 95  | MicroRNA 146a                                | MIR146A     |
| 96  | Vascular Cell Adhesion Molecule 1            | VCAM1       |
| 97  | Major Histocompatibility Complex, Class I, C | HLA-C       |
| 98  | CD40 Molecule                                | CD40        |
| 99  | Leptin                                       | LEP         |
| 100 | C-X-C Motif Chemokine Receptor 4             | CXCR4       |
| 101 | Inhibitor Of Nuclear Factor Kappa B Kinase Subunit Beta | IKBKB |
| 102 | CD40 Ligand                                  | CD40LG      |
| 103 | Janus Kinase 2                               | JAK2        |
| 104 | MYD88 Innate Immune Signal Transduction Adaptor | MYD88   |
| 105 | Interleukin 15                               | IL15        |
| 106 | Caspase 1                                    | CASP1       |
| 107 | Glucosamine (UDP-N-Acetyl)-2-Epimerase/N-Acetylmannosamine Kinase | GNE |
| 108 | Calcitonin Related Polypeptide Alpha          | CALCA       |
| 109 | Matrix Metallopeptidase 3                    | MMP3        |
| 110 | Major Histocompatibility Complex, Class II, DQ Alpha 1 | HLA-DQA1 |
| 111 | C-X-C Motif Chemokine Ligand 9               | CXCL9       |
| 112 | Vitamin D Receptor                           | VDR         |
| 113 | 15-Hydroxyprostaglandin Dehydrogenase        | HPGD        |
| 114 | APC Regulator Of WNT Signaling Pathway       | APC         |
| 115 | Endoplasmic Reticulum Aminopeptidase 1       | ERAP1       |
| 116 | Interleukin 2 Receptor Subunit Beta          | IL2RB       |
| 117 | Notch Receptor 3                             | NOTCH3      |
| 118 | Interleukin 22                               | IL22        |
| 119 | Coagulation Factor V                         | F5          |
| 120 | C-X-C Motif Chemokine Ligand 1               | CXCL1       |
| 121 | MicroRNA 155                                 | MIR155      |
| 122 | Interleukin 36 Receptor Antagonist           | IL36RN      |
| 123 | Catenin Beta 1                               | CTNNB1      |
| 124 | Toll Like Receptor 3                         | TLR3        |
| 125 | Complement C4A (Rodgers Blood Group)         | C4A         |
| 126 | Major Histocompatibility Complex, Class II, DP Beta 1 | HLA-DPB1 |
| 127 | Adenosine Deaminase                          | ADA         |
| 128 | TIMP Metallopeptidase Inhibitor 1            | TIMP1       |
129 Jun Proto-Oncogene, AP-1 Transcription Factor Subunit  
130 S100 Calcium Binding Protein A12  
131 Interferon Beta 1  
132 CD163 Molecule  
133 Caspase Recruitment Domain Family Member 14  
134 Interleukin 1 Receptor Accessory Protein Like 2  
135 Interleukin 11  
136 C-X-C Motif Chemokine Receptor 3  
137 C-X-C Motif Chemokine Ligand 12  
138 Bone Gamma-Carboxyglutamate Protein  
139 CD4 Molecule  
140 Platelet And Endothelial Cell Adhesion Molecule 1  
141 Cathepsin K  
142 Colony Stimulating Factor 3  
143 AKT Serine/Threonine Kinase 1  
144 Inducible T Cell Costimulator Ligand  
145 Insulin  
146 Hypoxia Inducible Factor 1 Subunit Alpha  
147 Interleukin 3  
148 Component Of Inhibitor Of Nuclear Factor Kappa B Kinase Complex  
149 MicroRNA 21  
150 Matrix Metalloproteinase 13  
151 CD36 Molecule  
152 Cellular Communication Network Factor 2  
153 Fc Fragment Of IgG Receptor IIa  
154 Lipin 2  
155 Serpin Family E Member 1  
156 Apolipoprotein E  
157 Major Histocompatibility Complex, Class I, A  
158 Mitogen-Activated Protein Kinase 1  
159 C-Type Lectin Domain Containing 7A  
160 KRAS Proto-Oncogene, GTPase  
161 Membrane Bound Transcription Factor Peptidase, Site 2  
162 Zeta Chain Of T Cell Receptor Associated Protein Kinase 70  
163 Caspase 8  
164 Acid Phosphatase 5, Tartrate Resistant  
165 Interleukin 27  
166 SH3 And PX Domains 2B  
167 Interleukin 7  
168 Cathepsin C  
169 Interleukin 4 Receptor  
170 Selectin L  
171 Interleukin 23 Subunit Alpha
| Gene Name                                      | Gene ID |
|-----------------------------------------------|---------|
| Complement C3d Receptor 2                     | CR2     |
| Phospholipase A2 Group IVA                    | PLA2G4A |
| TRAF3 Interacting Protein 2                   | TRAF3IP2|
| Estrogen Receptor 1                           | ESR1    |
| C-C Motif Chemokine Receptor 3                | CCR3    |
| C-C Motif Chemokine Ligand 18                 | CCL18   |
| Interleukin 6 Cytokine Family Signal Transducer| IL6ST  |
| Caspase Recruitment Domain Family Member 9    | CARD9   |
| Coagulation Factor II, Thrombin               | F2      |
| Glucosylceramidase Beta                       | GBA     |
| MYC Proto-Oncogene, BHLH Transcription Factor | MYC     |
| KIT Proto-Oncogene, Receptor Tyrosine Kinase   | KIT     |
| Hepatocyte Growth Factor                      | HGF     |
| Caspase 3                                     | CASP3   |
| Fc Fragment Of IgG Receptor IIIa               | FCGR3A  |
| Myoglobin                                      | MB      |
| Fos Proto-Oncogene, AP-1 Transcription Factor Subunit | FOS |
| Complement C1s                                | C1S     |
| Suppressor Of Cytokine Signaling 1            | SOCS1   |
| Fc Fragment Of IgG Receptor IIIb              | FCGR3B  |
| Collagen Type III Alpha 1 Chain               | COL3A1  |
| TNF Receptor Associated Factor 6              | TRAF6   |
| Cyclin Dependent Kinase Inhibitor 1A          | CDKN1A  |
| Heat Shock Protein Family D (Hsp60) Member 1   | HSPD1   |
| Sodium Voltage-Gated Channel Alpha Subunit 9  | SCN9A   |
| Discoidin Domain Receptor Tyrosine Kinase 2   | DDR2    |
| Protein Tyrosine Phosphatase Receptor Type C  | PTPRC   |
| Methylenetetrahydrofolate Reductase           | MTHFR   |
| Integrin Subunit Alpha L                      | ITGAL   |
| Suppressor Of Cytokine Signaling 3            | SOCS3   |
| CAMP Responsive Element Binding Protein 1     | CREB1   |
| Fibroblast Growth Factor 2                    | FGF2    |
| Angiotensin I Converting Enzyme               | ACE     |
| TNFAIP3 Interacting Protein 1                 | TNIP1   |
| Secretory Leukocyte Peptidase Inhibitor       | SLPI    |
| CD80 Molecule                                 | CD80    |
| Capping Protein Regulator And Myosin 1 Linker 2| CARMIL2 |
| Cathelicidin Antimicrobial Peptide            | CAMP    |
| Mannose Binding Lectin 2                      | MBL2    |
| MicroRNA 223                                  | MIR223  |
| RB Transcriptional Corepressor 1              | RB1     |
| Gap Junction Protein Beta 2                   | GJB2    |
| Cyclin D1                                     | CCND1   |
| Serpin Family A Member 3                      | SERPINA3|
Transforming Growth Factor Beta Receptor 2 (TGFBR2)
Insulin Like Growth Factor 1 (IGF1)
Colony Stimulating Factor 1 Receptor (CSF1R)
Collagen Type I Alpha 1 Chain (COL1A1)
CD8a Molecule (CD8A)
Cytochrome C Oxidase Subunit 5A (COX5A)
PYD And CARD Domain Containing (PYCARD)
CD79a Molecule (CD79A)
Interleukin 33 (IL33)
Advanced Glycosylation End-Product Specific Receptor (AGER)
Thrombospondin 1 (THBS1)
Epidermal Growth Factor (EGF)
Solute Carrier Organic Anion Transporter Family Member 2A1 (SLCO2A1)
GNAS Complex Locus (GNAS)
IL2 Inducible T Cell Kinase (ITK)
Interferon Alpha 1 (IFNA1)
BCL2 Apoptosis Regulator (BCL2)
Interleukin 17 Receptor A (IL17RA)
Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Alpha (PIK3CA)
Prostaglandin E Receptor 4 (PTGER4)
Ghrelin And Obestatin Prepropeptide (GHRL)
Kininogen 1 (KNG1)
Interleukin 9 (IL9)
Transient Receptor Potential Cation Channel Subfamily V Member 1 (TRPV1)
Notch Receptor 1 (NOTCH1)
C-C Motif Chemokine Ligand 17 (CCL17)
Bruton Tyrosine Kinase (BTK)
Prostaglandin E Synthase (PTGES)
Cathepsin G (CTSG)
Bone Morphogenetic Protein 6 (BMP6)
Complement C4B (Chido Blood Group) (C4B)
Parathyroid Hormone Like Hormone (PTHLH)
CD86 Molecule (CD86)
CD34 Molecule (CD34)
LIF Interleukin 6 Family Cytokine (LIF)
DEXD/H-Box Helicase 58 (DDX58)
Erythropoietin (EPO)
Actin Alpha Cardiac Muscle 1 (ACTC1)
Neurofibromin 1 (NF1)
Ceruloplasmin (CP)
Fibrillin 1 (FBN1)
Valosin Containing Protein (VCP)
| No. | Gene Name                                                                 | Acronym |
|-----|---------------------------------------------------------------------------|---------|
| 258 | CCAAT Enhancer Binding Protein Beta                                       | CEBPB   |
| 259 | Erb-B2 Receptor Tyrosine Kinase 2                                         | ERBB2   |
| 260 | Signal Transducer And Activator Of Transcription 6                        | STAT6   |
| 261 | MicroRNA 126                                                              | MIR126  |
| 262 | Reticulophagy Regulator 1                                                 | RETREG1 |
| 263 | Heat Shock Protein Family A (Hsp70) Member 4                              | HSPA4   |
| 264 | Coagulation Factor II Thrombin Receptor                                   | F2R     |
| 265 | Solute Carrier Family 29 Member 3                                         | SLC29A3 |
| 266 | RUNX Family Transcription Factor 2                                        | RUNX2   |
| 267 | Phosphatase And Tensin Homolog                                            | PTEN    |
| 268 | Cathepsin B                                                               | CTSB    |
| 269 | SAM And HD Domain Containing Deoxynucleoside Triphosphate Triphosphohydrolase 1 | SAMHD1 |
| 270 | Lymphatic Vessel Endothelial Hyaluronan Receptor 1                        | LYVE1   |
| 271 | Adaptor Related Protein Complex 1 Subunit Sigma 3                         | AP1S3   |
| 272 | Hydroxysteroid 11-Beta Dehydrogenase 1                                   | HSD11B1 |
| 273 | Vasoactive Intestinal Peptide                                             | VIP     |
| 274 | Beta-2-Microglobulin                                                      | B2M     |
| 275 | Sirtuin 1                                                                 | SIRT1   |
| 276 | Nerve Growth Factor                                                       | NGF     |
| 277 | Caveolin 1                                                                | CAV1    |
| 278 | MDM2 Proto-Oncogene                                                       | MDM2    |
| 279 | Transforming Growth Factor Beta Receptor 1                                | TGFBR1  |
| 280 | Cyclin Dependent Kinase Inhibitor 1B                                      | CDKN1B  |
| 281 | CD68 Molecule                                                             | CD68    |
| 282 | Vimentin                                                                  | VIM     |
| 283 | Tachykinin Precursor 1                                                    | TAC1    |
| 284 | CD44 Molecule (Indian Blood Group)                                        | CD44    |
| 285 | Glucuronidase Beta                                                        | GUSB    |
| 286 | Parathyroid Hormone                                                       | PTH     |
| 287 | Checkpoint Kinase 2                                                       | CHEK2   |
| 288 | Oncostatin M                                                              | OSM     |
| 289 | Lamin B Receptor                                                          | LBR     |
| 290 | Granzyme B                                                                | GZMB    |
| 291 | GATA Binding Protein 1                                                    | GATA1   |
| 292 | CD69 Molecule                                                             | CD69    |
| 293 | TIMP Metallopeptidase Inhibitor 2                                         | TIMP2   |
| 294 | Brain Derived Neurotrophic Factor                                         | BDNF    |
| 295 | Proteoglycan 4                                                            | PRG4    |
| 296 | Metastasis Associated Lung Adenocarcinoma Transcript 1                   | MALAT1  |
| 297 | Recombination Activating 1                                                | RAG1    |
| 298 | Ret Proto-Oncogene                                                        | RET     |
| 299 | Interferon Alpha 2                                                        | IFNA2   |
| 300 | Proopiomelanocortin                                                       | POMC    |
| 301 | Uroporphyrinogen III Synthase | UROS |
| 302 | MET Proto-Oncogene, Receptor Tyrosine Kinase | MET |
| 303 | Fibroblast Growth Factor Receptor 1 | FGFR1 |
| 304 | MHC Class I Polypeptide-Related Sequence A | MICA |
| 305 | Recombination Activating 2 | RAG2 |
| 306 | Elastin | ELN |
| 307 | ATM Serine/Threonine Kinase | ATM |
| 308 | C-C Motif Chemokine Ligand 27 | CCL27 |
| 309 | Proteasome 20S Subunit Beta 9 | PSMB9 |
| 310 | BCL2 Like 1 | BCL2L1 |
| 311 | SRC Proto-Oncogene, Non-Receptor Tyrosine Kinase | SRC |
| 312 | ANTXR Cell Adhesion Molecule 2 | ANTXR2 |
| 313 | Type 2 Alpha | PIK3C2A |
| 314 | ATPase Copper Transporting Alpha | ATP7A |
| 315 | REL Proto-Oncogene, NF-KB Subunit | REL |
| 316 | Secreted Protein Acidic And Cysteine Rich | SPARC |
| 317 | Keratin 14 | KRT14 |
| 318 | C-C Motif Chemokine Receptor 4 | CCR4 |
| 319 | X-Box Binding Protein 1 | XBP1 |
| 320 | Heterogeneous Nuclear Ribonucleoprotein A1 | HNRNPA1 |
| 321 | Vascular Endothelial Growth Factor C | VEGFC |
| 322 | Endothelin 1 | EDN1 |
| 323 | Purinergic Receptor P2X 7 | P2RX7 |
| 324 | Leucine Rich Repeat Kinase 2 | LRRK2 |
| 325 | Matrix Metalloproteinase 7 | MMP7 |
| 326 | Chromogranin A | CHGA |
| 327 | Nicotinamide Phosphoribosyltransferase | NAMPT |
| 328 | Fibroblast Growth Factor 7 | FGF7 |
| 329 | Rac Family Small GTPase 1 | RAC1 |
| 330 | Serpin Family A Member 1 | SERPINA1 |
| 331 | Amphiregulin | AREG |
| 332 | Fms Related Receptor Tyrosine Kinase 4 | FLT4 |
| 333 | Cyclin Dependent Kinase 4 | CDK4 |
| 334 | Interleukin 1 Receptor Like 2 | IL1RL2 |
| 335 | Growth Factor Independent 1 Transcriptional Repressor | GFI1 |
| 336 | SMAD Family Member 3 | SMAD3 |
| 337 | Hemopexin | HPX |
| 338 | SMAD Family Member 7 | SMAD7 |
| 339 | Parathyroid Hormone 1 Receptor | PTH1R |
| 340 | Transferrin Receptor | TFRC |
| 341 | Kelch Domain Containing 8B | KLHDC8B |
| 342 | C-C Motif Chemokine Ligand 15 | CCL15 |
| 343 | Keratin 10 | KRT10 |
| No. | Gene Name                                      | Gene Symbol |
|-----|-----------------------------------------------|-------------|
| 344 | Fibroblast Growth Factor 1                    | FGF1        |
| 345 | Superoxide Dismutase 2                        | SOD2        |
| 346 | TEK Receptor Tyrosine Kinase                  | TEK         |
| 347 | Gap Junction Protein Beta 6                   | GJB6        |
| 348 | Plasminogen Activator, Urokinase              | PLAU        |
| 349 | H2A Clustered Histone 18                      | H2AC18      |
| 350 | Secretin                                      | SCT         |
| 351 | Toll Like Receptor 8                          | TLR8        |
| 352 | Desmin                                        | DES         |
| 353 | Procollagen-Lysine,2-Oxoglutarate 5-Dioxygenase 1 | PLOD1      |
| 354 | NADH:Ubiquinone Oxidoreductase Complex Assembly Factor 3 | NDUFAF3 |
| 355 | Vasodilator Stimulated Phosphoprotein         | VASP        |
| 356 | Cannabinoid Receptor 2                        | CNR2        |
| 357 | Cyclin Dependent Kinase Inhibitor 2A          | CDKN2A      |
| 358 | TNF Receptor Superfamily Member 10a           | TNFRSF10A   |
| 359 | RAB11 Binding And LisH Domain, Coiled-Coil And HEAT | RELCH     |
| 360 | TNF Superfamily Member 10                     | TNFSF10     |
| 361 | C-X-C Motif Chemokine Ligand 13               | CXCL13      |
| 362 | CD209 Molecule                                | CD209       |
| 363 | MicroRNA 17                                   | MIR17       |
| 364 | SH2 Domain Containing 1A                      | SH2D1A      |
| 365 | Intelectin 1                                  | ITLN1       |
| 366 | Matrix Metallopeptidase 8                     | MMP8        |
| 367 | Synuclein Alpha                               | SNCA        |
| 368 | Cytochrome C, Somatic                         | CYCS        |
| 369 | Galectin 3                                    | LGALS3      |
| 370 | TNF Superfamily Member 13b                    | TNFSF13B    |
| 371 | Cell Adhesion Associated, Oncogene Regulated  | CDON        |
| 372 | MicroRNA 140                                  | MIR140      |
| 373 | KIT Ligand                                    | KITLG       |
| 374 | Transferrin                                   | TF          |
| 375 | Lysine Demethylase 4C                         | KDM4C       |
| 376 | Menin 1                                       | MEN1        |
| 377 | Lamin B1                                      | LMNB1       |
| 378 | ETS Proto-Oncogene 1, Transcription Factor    | ETS1        |
| 379 | Isocitrate Dehydrogenase (NADP(+)) 1          | IDH1        |
| 380 | Prostaglandin E Receptor 2                    | PTGER2      |
| 381 | Toll Like Receptor 7                          | TLR7        |
| 382 | Mitogen-Activated Protein Kinase 3            | MAPK3       |
| 383 | Annexin A5                                    | ANXA5       |
| 384 | TNF Receptor Associated Factor 2              | TRAF2       |
| 385 | Marker Of Proliferation Ki-67                 | MKI67       |
| 386 | Angiopoietin 2                                | ANGPT2      |
| Gene Name                                      | Ensembl Name |
|-----------------------------------------------|--------------|
| Plasminogen Activator, Urokinase Receptor     | PLAUR        |
| TNF Superfamily Member 12                     | TNFSF12      |
| ATP Binding Cassette Subfamily C Member 1     | ABCC1        |
| MicroRNA 22                                   | MIR22        |
| Alpha Glucosidase                             | GAA          |
| Recombination Signal Binding Protein For Immunoglobulin | RBPJ  |
| Kappa J Region                                |              |
| Collagen Type II Alpha 1 Chain                | COL2A1       |
| Podoplanin                                    | PDPN         |
| Glucagon                                      | GCG          |
| Fibroblast Growth Factor Receptor 3           | FGFR3        |
| C-C Motif Chemokine Receptor 7                | CCR7         |
| Heterogeneous Nuclear Ribonucleoprotein A2/B1 | HNRNPA2B1    |
| Heat Shock Protein 90 Alpha Family Class A Member 1 | HSP90AA1 |
| Deoxyhypusine Hydroxylase                     | DOHH         |
| Adenylate Cyclase 10                          | ADCY10       |
| Ferredoxin 1                                  | FDX1         |
| Interleukin 12 Receptor Subunit Beta 1        | IL12RB1      |
| Interferon Gamma Receptor 1                   | IFNGR1       |
| Gap Junction Protein Alpha 1                  | GJA1         |
| ADAM Metallopeptidase With Thrombospondin Type 1 Motif 4 | ADAMTS4 |
| Apolipoprotein H                              | APOH         |
| Mitogen-Activated Protein Kinase Kinase Kinase 7 | MAP3K7   |
| Tet Methylcytosine Dioxygenase 2              | TET2         |
| Cyclin Dependent Kinase Inhibitor 2B         | CDKN2B       |
| TNF Receptor Superfamily Member 6b            | TNFRSF6B     |
| Semaphorin 4D                                 | SEMA4D       |
| Gamma-Glutamyltransferase 1                   | GGT1         |
| Nuclear Factor Kappa B Subunit 2              | NFKB2        |
| Signal Transducer And Activator Of Transcription 5B | STAT5B |
| Baculoviral IAP Repeat Containing 2           | BIRC2        |
| Transient Receptor Potential Cation Channel Subfamily V Member 4 | TRPV4 |
| Signal Transducer And Activator Of Transcription 5A | STAT5A |
| Homeostatic Iron Regulator                    | HFE          |
| AT-Rich Interaction Domain 1B                 | ARID1B       |
| Heat Shock Protein Family A (Hsp70) Member 1A | HSPA1A       |
| Glutathione S-Transferase Mu 1                | GSTM1        |
| Integrin Subunit Beta 1                       | ITGB1        |
| Uroporphyrinogen Decarboxylase                | UROD         |
| Adaptor Related Protein Complex 4 Subunit Mu 1 | AP4M1       |
| Small EDRK-Rich Factor 1A                     | SERF1A       |
| Small EDRK-Rich Factor 1B                     | SERF1B       |
| Zinc Finger E-Box Binding Homeobox 1          | ZEB1         |
429  CASP8 And FADD Like Apoptosis Regulator  CFLAR
430  Jagged Canonical Notch Ligand 1  JAG1
431  Insulin Like Growth Factor 1 Receptor  IGF1R
432  Aggreccan  ACAN
433  Heparanase  HPSE
434  WNK Lysine Deficient Protein Kinase 1  WNK1
435  TNF Receptor Superfamily Member 8  TNFRSF8
436  Bone Morphogenetic Protein 2  BMP2
437  Phosphoinositide-3-Kinase Regulatory Subunit 1  PIK3R1
438  Mannose Receptor C-Type 1  MRC1
439  Retinol Binding Protein 4  RBP4
440  Renin  REN
441  B-Raf Proto-Oncogene, Serine/Threonine Kinase  BRAF
442  Scavenger Receptor Class B Member 2  SCARB2
443  BCL2 Associated X, Apoptosis Regulator  BAX
444  Isocitrate Dehydrogenase (NADP(+)) 2  IDH2
445  Insulin Like Growth Factor Binding Protein 3  IGFBP3
446  Proteasome Maturation Protein  POMP
447  Ras Homolog Family Member A  RHOA
448  Cytochrome P450 Family 19 Subfamily A Member 1  CYP19A1
449  Parkinsonism Associated Deglycase  PARK7
450  NOC2 Like Nucleolar Associated Transcriptional Repressor  NOC2L
451  Matrix Metallopeptidase 12  MMP12
452  CD1a Molecule  CD1A
453  MN1 Proto-Oncogene, Transcriptional Regulator  MN1
454  Ectodysplasin A Receptor  EDAR
455  MicroRNA 30a  MIR30A
456  Neural Cell Adhesion Molecule 1  NCAM1
457  Cytochrome P450 Family 3 Subfamily A Member 4  CYP3A4
458  Neurotrophic Receptor Tyrosine Kinase 1  NTRK1
459  Cytochrome B5 Type A  CYB5A
460  RAB6B, Member RAS Oncogene Family  RAB6B
461  F-Box And Leucine Rich Repeat Protein 5  FBXL5
462  T Cell Receptor Beta Locus  TRB
463  Somatostatin  SST
464  Cytochrome P450 Family 2 Subfamily C Member 19  CYP2C19
465  MicroRNA 20a  MIR20A
466  CD2 Molecule  CD2
467  Delta Like Canonical Notch Ligand 1  DLL1
468  CD19 Molecule  CD19
469  Serpin Family H Member 1  SERPINH1
470  GBA Recombination Region  LOC106627981
471  Lysyl Oxidase  LOX
472  Mannosidase Alpha Class 2B Member 1  MAN2B1
| Gene Name                                                                 | Short Name | Gene Name                                                                 | Short Name |
|--------------------------------------------------------------------------|------------|--------------------------------------------------------------------------|------------|
| Sialic Acid Binding Ig Like Lectin 5                                     | SIGLEC5    | Interleukin 1 Receptor Accessory Protein                                 | IL1RAP     |
| Signaling Lymphocytic Activation Molecule Family Member 1               | SLAMF1     | Transient Receptor Potential Cation Channel Subfamily A Member 1         | TRPA1      |
| Kruppel Like Factor 4                                                    | KLF4       | RUNX Family Transcription Factor 1                                        | RUNX1      |
| Activin A Receptor Like Type 1                                            | ACVRL1     | Zinc Finger And BTB Domain Containing 20                                  | ZBTB20     |
| Bone Morphogenetic Protein 7                                             | BMP7       | Growth Arrest Specific 5                                                 | GAS5       |
| ADAMTS Like 1                                                            | ADAMTS1    | Elongator Acetyltransferase Complex Subunit 1                            | ELP1       |
| Cyclin Dependent Kinase Inhibitor 2C                                     | CDKN2C     | Ectodysplasin A                                                          | EDA        |
| Transforming Growth Factor Alpha                                          | TGFA       | B Cell Scaffold Protein With Ankyrin Repeats 1                            | BANK1      |
| Peptidyl Arginine Deiminase 4                                            | ASAH1      | Caspase 9                                                                | CASP9      |
| Poly(ADP-Ribose) Polymerase 1                                            | PARP1      | MutS Homolog 6                                                           | MSH6       |
| Transient Receptor Potential Cation Channel Subfamily V Member 3        | TRPV3      | N-Acylsphingosine Amidohydrolase 1                                       | ASAH1      |
| Mitogen-Activated Protein Kinase Kinase 1                                 | MAP2K1     | Ectonucleotide Pyrophosphatase/Phosphodiesterase 1                       | ENPP1      |
| Bone Morphogenetic Protein 4                                             | BMP4       | Cartilage Oligomeric Matrix Protein                                       | COMP       |
| Forkhead Box O1                                                          | FOXO1      | Prolactin                                                                | PRL        |
| Eukaryotic Translation Initiation Factor 1A Domain Containing Transient  | EIF1AD     | Receptor Potential Cation Channel Subfamily M Member 4                   | TRPM4      |
| Sphingomyelin Phosphodiesterase 1                                        | SMPD1      | Exostosin Glycosyltransferase 2                                           | EXT2       |
| Ribosomal Protein S27a                                                   | RPS27A     | Emerin                                                                   | EMD        |
| Centrosomal Protein 57                                                   | CEP57      | BUB1 Mitotic Checkpoint Serine/Threonine Kinase B                         | BUB1B      |
| Interleukin 17C                                                          | IL17C      | Kinase Insert Domain Receptor                                             | KDR        |
| Cyclic GMP-AMP Synthase                                                  | CGAS       | ADAM Metalloproteidase With Thrombospondin Type 1 Motif 3                | ADAMTS3    |
| Exostosin Glycosyltransferase 1                                           | EXT1       |                                                                         |            |
| Gene Name                                      | Gene Name                                      |
|-----------------------------------------------|-----------------------------------------------|
| P53 Apoptosis Effector Related To PMP22       | PERP                                          |
| Low Density Lipoprotein Receptor              | LDLR                                          |
| Inducible T Cell Costimulator                 | ICOS                                          |
| Serine Protease 1                             | PRSS1                                         |
| Hes Related Family BHLH Transcription Factor  | HEY2                                          |
| With YRPW                                     |                                               |
| Mitogen-Activated Protein Kinase 10            | MAPK10                                        |
| Adaptor Related Protein Complex 1 Subunit Beta| AP1B1                                         |
| MicroRNA 27a                                  | MIR27A                                        |
| Coproporphyrin Oxidase                        | CPOX                                          |
| Solute Carrier Family 17 Member 5             | SLC17A5                                       |
| EGFR Antisense RNA 1                          | EGFR-AS1                                      |
| MicroRNA 15a                                  | MIR15A                                        |
| Kallikrein Related Peptidase 3                | KLK3                                          |
| Myosin Heavy Chain 11                         | MYH11                                         |
| S100 Calcium Binding Protein A7               | S100A7                                        |
| Prostaglandin E Receptor 1                    | PTGER1                                        |
| Platelet Derived Growth Factor Subunit B      | PDGFB                                         |
| CD58 Molecule                                 | CD58                                          |
| Tenascin XB                                   | TNXEB                                         |
| Filamin A                                     | FLNA                                          |
| BUB1 Mitotic Checkpoint Serine/Threonine Kinase| BUB1                                         |
| Rho Associated Coiled-Coil Containing Protein Kinase 1 | ROCK1                                      |
| Nuclear Receptor Subfamily 5 Group A Member 2 | NR5A2                                         |
| Unc-45 Myosin Chaperone B                     | UNC45B                                        |
| ERCC Excision Repair 1, Endonuclease Non-Catalytic Subunit | ERCC1                                      |
| Platelet Derived Growth Factor Subunit A      | PDGFA                                         |
| ELAV Like RNA Binding Protein 1               | ELAVL1                                        |
| Fibroblast Growth Factor Receptor 2           | FGFR2                                         |
| Cathepsin L                                   | CTSL                                          |
| CD38 Molecule                                 | CD38                                          |
| Protein Tyrosine Phosphatase Non-Receptor Type 11 | PTPN11                                      |
| Serpin Family B Member 5                      | SERPINB5                                      |
| Collagen Type V Alpha 1 Chain                 | COL5A1                                        |
| Atypical Chemokine Receptor 1 (Duffy Blood Group) | ACKR1                                      |
| Hepcidin Antimicrobial Peptide                | HAMP                                          |
| Apolipoprotein B                              | APOB                                         |
| MAPK Associated Protein 1                     | MAPKAP1                                       |
| Protein Tyrosine Kinase 2 Beta                | PTK2B                                         |
| MAGE Family Member F1                         | MAGEF1                                        |
| Chymase 1                                     | CMA1                                          |
| Transglutaminase 1                            | TGM1                                          |
| Heat Shock Protein Family A (Hsp70) Member 5  | HSPA5                                         |
| ASXL Transcriptional Regulator 1              | ASXL1                                         |
557  Prosaposin        PSAP
558  Interleukin 34     IL34
559  Neurotrophic Receptor Tyrosine Kinase 3 NTRK3
560  T Cell Immune Regulator 1, ATPase H+ Transporting V0 Subunit A3 TCIRG1
561  Interferon Lambda 1 IFNL1
562  Hes Related Family BHLH Transcription Factor With YRPW Motif Like HEYL
563  Cytochrome P450 Family 1 Subfamily A Member 2 CYP1A2
564  Alkaline Phosphatase, Placental ALPP
565  MicroRNA 16-1 MIR16-1
566  Cell Division Cycle 73 CDC73
567  Cytochrome P450 Family 2 Subfamily E Member 1 CYP2E1
568  Prohibitin PHB
569  Cytochrome P450 Family 1 Subfamily A Member 1 CYP1A1
570  Nuclear Factor Of Activated T Cells 1 NFATC1
571  BUB3 Mitotic Checkpoint Protein BUB3
572  Chitinase Acidic CHIA
573  Nuclear Paraspeckle Assembly Transcript 1 NEAT1
574  Prostaglandin E Receptor 3 PTGER3
575  SRY-Box Transcription Factor 2 SOX2
576  Leptin, Serum Levels Of LEPQTL1
577  Sydne 1 SDC1
578  CDK5 Regulatory Subunit Associated Protein 1 Like 1 CDKAL1
579  Integrin Subunit Alpha 6 ITGA6
580  Cbl Proto-Oncogene CBL
581  Ectonucleotide Pyrophosphatase/Phosphodiesterase 3 ENPP3
582  ERCC Excision Repair 6, Chromatin Remodeling Factor ERCC6
583  MicroRNA 200a MIR200A
584  Protein Kinase, DNA-Activated, Catalytic Subunit PRKDC
585  Adenosine A2b Receptor ADORA2B
586  Sclerostin SOST
587  Hes Family BHLH Transcription Factor 7 HES7
588  Lipopolysaccharide Induced TNF Factor LITAF
589  MicroRNA 335 MIR335
590  Frizzled Related Protein FRZB
591  Caspase Recruitment Domain Family Member 16 CARD16
592  Glutamate Ionotropic Receptor NMDA Type Subunit 2B GRIN2B
593  Protein Kinase CAMP-Dependent Type I Regulatory Subunit Alpha PRKAR1A
594  Peptidylprolyl Isomerase G PPIG
595  Insulin Like Growth Factor 2 IGF2
596  Actin Alpha 2, Smooth Muscle ACTA2
597  Integrin Subunit Beta 3 ITGB3
Jagged Canonical Notch Ligand 2
Atlasin GTPase 3
H19 Imprinted Maternally Expressed Transcript
Chitinase 1
CDKN2B Antisense RNA 1
Integrin Subunit Alpha V
TNF Superfamily Member 14
Caldesmon 1
Cathepsin D
Basigin (Ok Blood Group)
Methylenetetrahydrofolate Dehydrogenase, Cyclohydrolase And Formyltetrahydrofolate Synthetase 1
Growth Hormone 1
TAR DNA Binding Protein
Factor Interacting With PAPOLA And CPSF1
RANBP2-Type And C3HC4-Type Zinc Finger Containing 1
Serpin Family F Member 1
Lamin B2
ADAM Metalloprotease With Thrombospondin Type 1 Motif 2
Loricrin Cornified Envelope Precursor Protein
MutY DNA Glycosylase
Maternally Expressed 3
Apolipoprotein D
Calcium Sensing Receptor
Cystatin E/M
Sphingosine-1-Phosphate Receptor 1
Thrombospondin 3
Sterol Regulatory Element Binding Transcription Factor 2
Spectrin Repeat Containing Nuclear Envelope Protein 2
Membrane Spanning 4-Domains A1
Hyaluronan Synthase 1
Serine And Arginine Rich Splicing Factor 2
Survival Of Motor Neuron 1, Telomeric
Transportin 1
Integrin Subunit Alpha 2
TNF Receptor Superfamily Member 13B
CD47 Molecule
ATRX Chromatin Remodeler
ERCC Excision Repair 4, Endonuclease Catalytic Subunit
C-Type Lectin Domain Containing 5A
PAXIP1 Associated Glutamate Rich Protein 1
Collagen Type V Alpha 2 Chain
Transportin 1
Coagulation Factor IX
JAG2
ATL3
H19
CHIT1
CDKN2B-AS1
ITGAV
TNFSF14
CALD1
CTSD
BSG
MTHFD1
GH1
TARDBP
FIP1L1
RBCK1
SERPINF1
LMNB2
ADAMTS2
LORICRIN
MUTYH
MEG3
APOD
CASR
CST6
S1PR1
THBS3
SREBF2
SYNE2
MS4A1
HAS1
SR5F2
SMN1
CD1E
ITGA2
TNFRSF13B
CD47
ATRX
ERCC4
CLEC5A
PAGR1
COL5A2
TNPO1
F9
Matrix Metallopeptidase 10
Macroage Stimulating 1 Receptor
FKBP Prolyl Isomerase 14
Sirtuin 6
TNF Receptor Associated Factor 1
Transient Receptor Potential Cation Channel Subfamily V Member 2
ADAM Metallopeptidase With Thrombospondin Type 1 Motif 13
Ezrin
Inhibin Subunit Beta A
Cytochrome P450 Family 3 Subfamily A Member 5
Interferon Regulatory Factor 4
MicroRNA 9-1
SRY-Box Transcription Factor 4
Solute Carrier Family 6 Member 19
Fibulin 5
EGF Containing Fibulin Extracellular Matrix Protein 2
Spi-1 Proto-Oncogene
CD1d Molecule
XPA, DNA Damage Recognition And Repair Factor
Thymidine Phosphorylase
Sonic Hedgehog Signaling Molecule
Transducin Beta Like 1 X-Linked
MicroRNA 143
Hyaluronan Synthase 2
Choline Kinase Alpha
Dickkopf WNT Signaling Pathway Inhibitor 1
H2A.X Variant Histone
TNF Superfamily Member 8
B Cell Linker
ERCC Excision Repair 8, CSA Ubiquitin Ligase Complex Subunit
BCL6 Transcription Repressor
Decorin
Ganglioside Induced Differentiation Associated Protein 1
ERCC Excision Repair 2, TFIIH Core Complex Helicase Subunit
Hematopoietic Prostaglandin D Synthase
Succinate Dehydrogenase Complex Iron Sulfur Subunit B
Periostin
TXK Tyrosine Kinase
Cortactin
Lymphocyte Antigen 75
ADAM Metallopeptidase Domain 12
SCN1A And SCN9A Antisense RNA 1
ADAM Metallopeptidase Domain 8
MMP10
MST1R
FKBP14
SIRT6
TRAF1
TRPV2
ADAMTS13
EZR
INHBA
CYP3A5
IRF4
MIR9-1
SOX4
SLC6A19
FBLN5
EFEMP2
SPI1
CD1D
XPA
TYMP
SHH
TBL1X
MIR143
HAS2
CHKA
DKK1
H2AX
TNFSF8
BLNK
ERCC8
BCL6
DCN
GDAP1
ERCC2
HPGDS
SDHB
POSTN
TXK
CTTN
LY75
ADAM12
SCN1A-AS1
ADAM8
| ID  | Description                                                                 | Symbol  |
|-----|-----------------------------------------------------------------------------|---------|
| 684 | Late Cornified Envelope 3C                                                  | LCE3C   |
| 685 | Late Cornified Envelope 3B                                                  | LCE3B   |
| 686 | Synaptophysin                                                               | SYP     |
| 687 | JunB Proto-Oncogene, AP-1 Transcription Factor Subunit                      | JUNB    |
| 688 | Chromobox 5                                                                 | CBX5    |
| 689 | Galactosidase Alpha                                                         | GLA     |
| 690 | Polypeptide N-Acetylgalactosamyltransferase 3                               | GALNT3  |
| 691 | Cadherin 11                                                                 | CDH11   |
| 692 | TNF Receptor Associated Factor 3                                            | TRAF3   |
| 693 | Matrix Metallopeptidase 25                                                  | MMP25   |
| 694 | Fascin Actin-Bundling Protein 1                                             | FSCN1   |
| 695 | MicroRNA 30b                                                                | MIR30B  |
| 696 | Differentiation Antagonizing Non-Protein Coding RNA                         | DANCR   |
| 697 | Dihydrofolate Reductase                                                     | DHFR    |
| 698 | Survival Of Motor Neuron 2, Centromeric                                    | SMN2    |
| 699 | Glutathione Synthetase                                                      | GSS     |
| 700 | Mitochondrial Antiviral Signaling Protein                                   | MAVS    |
| 701 | EGF Containing Fibulin Extracellular Matrix Protein 1                        | EFEMP1  |
| 702 | Integrin Binding Sialoprotein                                                | IBSP    |
| 703 | Ras Converting CAAX Endopeptidase 1                                         | RCE1    |
| 704 | Peptidyl Arginine Deiminase 2                                               | PADI2   |
| 705 | Pleckstrin                                                                  | PLEK    |
| 706 | Serine Palmitoyltransferase Long Chain Base Subunit 1                       | SPTLC1  |
| 707 | ETS2 Repressor Factor                                                       | ERF     |
| 708 | Peptidylprolyl Cis/Trans Isomerase, NIMA-Interacting 1                      | PIN1    |
| 709 | FUS RNA Binding Protein                                                     | FUS     |
| 710 | ATP Binding Cassette Subfamily C Member 9                                   | ABCC9   |
| 711 | Ceramide Synthase 3                                                         | CERS3   |
| 712 | Gastrin                                                                    | GAST    |
| 713 | SRY-Box Transcription Factor 9                                               | SOX9    |
| 714 | Calcitonin Receptor                                                         | CALCR   |
| 715 | Cullin 1                                                                   | CUL1    |
| 716 | C-Type Lectin Domain Family 4 Member E                                      | CLEC4E  |
| 717 | Placental Growth Factor                                                     | PGF     |
| 718 | Snail Family Transcription Repressor 1                                     | SNAI1   |
| 719 | TIA1 Cytotoxic Granule Associated RNA Binding Protein                       | TIA1    |
| 720 | Proline-Serine-Threonine Phosphatase Interacting Protein 2                  | PSTPIP2 |
| 721 | Ubiquitination Factor E4A                                                    | UBE4A   |
| 722 | CD70 Molecule                                                              | CD70    |
| 723 | Immunoglobulin Heavy Constant Mu                                           | IGHM    |
| 724 | Dyskerin Pseudouridine Synthase 1                                            | DKC1    |
| 725 | Chromosome 1 Open Reading Frame 141                                         | C1orf141|
| 726 | Hemoglobin Subunit Alpha 2                                                  | HBA2    |
| 727 | Sirtuin 2                                                                  | SIRT2   |
Furin, Paired Basic Amino Acid Cleaving Enzyme  
TGF-Beta Activated Kinase 1 (MAP3K7) Binding Protein 2  
ANTXR Cell Adhesion Molecule 1  
Transcription Factor 3  
Leucine Rich Repeat Containing 8 VRAC Subunit A  
CD79b Molecule  
Prostaglandin Reductase 1  
E2F Transcription Factor 1  
Sad1 And UNC84 Domain Containing 2  
ADAM Metallopeptidase With Thrombospondin Type 1 Motif 9  
Ring Finger Protein 1  
Carbonic Anhydrase 2  
Galactosylceramidase  
Growth Hormone Receptor  
Immunoglobulin Lambda Like Polypeptide 1  
CXADR Ig-Like Cell Adhesion Molecule  
Apopototic Peptidase Activating Factor 1  
Solute Carrier Family 29 Member 1 (Augustine Blood Group)  
Solute Carrier Family 2 Member 10  
ADAM Metallopeptidase Domain 28  
HOX Transcript Antisense RNA  
TIMP Metallopeptidase Inhibitor 4  
Phosphoribosyl Pyrophosphate Synthetase 1  
GLIS Family Zinc Finger 3  
Reticulon 4  
Double PHD Fingers 2  
Alkaline Phosphatase, Biomineralization Associated  
ADAM Metallopeptidase With Thrombospondin Type 1 Motif 6  
Noggin  
C-Type Lectin Domain Family 1 Member A  
Pvt1 Oncogene  
Fibroblast Growth Factor 23  
LIM Domain Kinase 1  
Sphingomyelin Phosphodiesterase 3  
Hexosaminidase Subunit Alpha  
Ankyrin 3  
Insulin Like Growth Factor Binding Protein 5  
Dentin Sialophosphoprotein  
Salt Inducible Kinase 2  
Lymphoid Enhancer Binding Factor 1  
Phospholipase A2 Activating Protein  
NRAS Proto-Oncogene, GTPase  
Integrin Subunit Alpha 1  
MicroRNA 24-1
| Gene Name                                      | Description                                      |
|-----------------------------------------------|--------------------------------------------------|
| Adenylate Cyclase 1                          | ADCY1                                            |
| G Protein-Coupled Receptor 101               | GPR101                                           |
| ADAM Metallopeptidase With Thrombospondin Type 1 Motif 17 | ADAMTS17                                        |
| POU Class 2 Homeobox Associating Factor 1    | POU2AF1                                          |
| NCK Adaptor Protein 1                        | NCK1                                             |
| N-Acetylneuraminic Acid Phosphatase          | NANP                                             |
| Golgin, RAB6 Interacting                     | GORAB                                            |
| RUNX Family Transcription Factor 3           | RUNX3                                            |
| Ring Finger Protein 31                       | RNF31                                            |
| Parkin RBR E3 Ubiquitin Protein Ligase       | PRKN                                             |
| N-Sulfoglucosamine Sulfohydrolase            | SGSH                                             |
| Growth Hormone Releasing Hormone             | GHRH                                             |
| SHANK Associated RH Domain Interactor        | SHARPIN                                          |
| MAF BZIP Transcription Factor                | MAF                                              |
| CD1c Molecule                                | CD1C                                             |
| Dopamine Beta-Hydroxylase                    | DBH                                              |
| SHC Adaptor Protein 1                        | SHC1                                             |
| Gap Junction Protein Beta 3                  | GJB3                                             |
| C-Type Lectin Domain Family 4 Member D       | CLEC4D                                           |
| WASP Like Actin Nucleation Promoting Factor   | WASL                                             |
| Maltase-Glucoamylase                         | MGAM                                             |
| Melanocyte Inducing Transcription Factor     | MITF                                             |
| Solute Carrier Family 19 Member 1            | SLC19A1                                          |
| Matrix Gla Protein                           | MGP                                              |
| CD1b Molecule                                | CD1B                                             |
| Aminomethyltransferase                       | AMT                                              |
| ATPase Copper Transporting Beta              | ATP7B                                            |
| Transient Receptor Potential Cation Channel Subfamily M Member 8 | TRPM8                                           |
| Collagen Type VI Alpha 5 Chain               | COL6A5                                           |
| Nuclear Receptor Subfamily 1 Group I Member 3| NR1I3                                            |
| Bone Morphogenetic Protein Receptor Type 2   | BMPR2                                            |
| Cell Migration Inducing Hyaluronidase 1      | CEMIP                                            |
| Solute Carrier Family 29 Member 2            | SLC29A2                                          |
| Fms Related Receptor Tyrosine Kinase 3       | FLT3                                             |
| FLVCR Heme Transporter 1                     | FLVCR1                                           |
| Ferrochelatase                               | FECH                                             |
| Aryl Hydrocarbon Receptor Interacting Protein| AIP                                              |
| Ubiquitin Recognition Factor In ER Associated Degradation 1 | UFD1                                           |
| TNF Receptor Superfamily Member 10d          | TNFRSF10D                                        |
| Calcium Activated Nucleotidase 1             | CANT1                                            |
| Cadherin 3                                   | CDH3                                             |
| RAN, Member RAS Oncogene Family              | RAN                                              |
| Solute Carrier Family 22 Member 2            | SLC22A2                                          |
Sp7 Transcription Factor
Glycoprotein Nmb
Cbp/P300 Interacting Transactivator With Glu/Asp Rich Carboxy-Terminal Domain 2
Rhomboid 5 Homolog 2
Tec Protein Tyrosine Kinase
Spectrin Repeat Containing Nuclear Envelope Protein 1
Protein Phosphatase 2 Phosphatase Activator
Chaperonin Containing TCP1 Subunit 5
Lectin, Mannose Binding 1
Paired Box 5
Ceramide Kinase
Succinate Dehydrogenase Complex Subunit C
Gap Junction Protein Beta 4
LMBR1 Domain Containing 1
Dynein Axonemal Assembly Factor 2
WRN RecQ Like Helicase
Matrix Metalloproteinase 11
Spectrin Repeat Containing Nuclear Envelope Family Member 3
Prostate Cancer Associated Non-Coding RNA 1
JunD Proto-Oncogene, AP-1 Transcription Factor Subunit
Chloride Voltage-Gated Channel 7
Pleckstrin Homology And RUN Domain Containing M1
Neuropilin 1
Apoptosis Inducing Factor Mitochondria Associated 1
Neurotrophic Receptor Tyrosine Kinase 2
Osteoclastogenesis Associated Transmembrane Protein 1
Transient Receptor Potential Cation Channel Subfamily C Member 6
ADAM Metallopeptidase Domain 9
RAB7A, Member RAS Oncogene Family
Mitochondrially Encoded Cytochrome B
Twist Family BHLH Transcription Factor 2
DnaJ Heat Shock Protein Family (Hsp40) Member B11
Tumor Protein P53 Binding Protein 1
Polo Like Kinase 1
Lysoosomal Associated Membrane Protein 3
Calbindin 2
MicroRNA 377
Urothelial Cancer Associated 1
Semaphorin 3A
Succinate Dehydrogenase Complex Subunit D
Interleukin 3 Receptor Subunit Alpha
X Inactive Specific Transcript
| Gene Name                                      | Description                                                                 |
|-----------------------------------------------|-----------------------------------------------------------------------------|
| TGFBI                                         | Transforming Growth Factor Beta Induced                                       |
| ETV6                                          | ETS Variant Transcription Factor 6                                             |
| TBX3                                          | T-Box Transcription Factor 3                                                 |
| FBLIM1                                        | Filamin Binding LIM Protein 1                                               |
| SLC12A2                                       | Solute Carrier Family 12 Member 2                                            |
| SLC7A11                                       | Solute Carrier Family 7 Member 11                                             |
| BSCL2                                         | BSCL2 Lipid Droplet Biogenesis Associated, Seipin                            |
| SERPINB4                                      | Serine Palmitoyltransferase Long Chain Base Subunit 2                        |
| CCAT1                                         | Colon Cancer Associated Transcript 1                                          |
| LGR5                                          | Leucine Rich Repeat Containing G Protein-Coupled Receptor 5                  |
| TMEM178A                                      | Transmembrane Protein 178A                                                  |
| ERGIC1                                        | Endoplasmic Reticulum-Golgi Intermediate Compartment 1                       |
| MIR186                                        | MicroRNA 186                                                                 |
| BMPR1A                                        | Bone Morphogenetic Protein Receptor Type 1A                                  |
| CDK6                                          | Cyclin Dependent Kinase 6                                                   |
| SH3TC2                                        | SH3 Domain And Tettraticopeptide Repeats 2                                  |
| MIR29B1                                       | MicroRNA 29b-1                                                               |
| TUG1                                          | Taurine Up-Regulated 1                                                      |
| STAB1                                         | Stabilin 1                                                                   |
| LPAR3                                         | Lysoosphatidic Acid Receptor 3                                               |
| LSM2                                          | LSM2 Homolog, U6 Small Nuclear RNA And MRNA Degradation Associated           |
| MIR211                                        | MicroRNA 211                                                                 |
| GNA12                                         | G Protein Subunit Alpha 12                                                   |
| SLCO4A1                                       | Solute Carrier Organic Anion Transporter Family Member 4A1                  |
| PSIP1                                         | PC4 And SFRS1 Interacting Protein 1                                          |
| MRPL45                                        | Mitochondrial Ribosomal Protein L45                                          |
| ARHGAP23                                      | Rho GTPase Activating Protein 23                                             |
| PLB1                                          | Phospholipase B1                                                             |
| STK39                                         | Serine/Threonine Kinase 39                                                   |
| LAMA1                                         | Laminin Subunit Alpha 1                                                      |
| AKR1C2                                        | Aldo-Keto Reductase Family 1 Member C2                                       |
| SMARCD2                                       | SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily D, Member 2 |
| ATAD1                                         | ATPase Family AAA Domain Containing 1                                        |
| ADAT3                                         | Adenosine Deaminase TRNA Specific 3                                          |
| B3GAT1                                        | Beta-1,3-Glucuronyltransferase 1                                             |
| OAS1                                          | 2'-5'-Oligoadenylate Synthetase 1                                            |
| DIO2                                          | Iodothyronine Deiodinase 2                                                   |
| PCNT                                          | Pericentrin                                                                  |
| TRPM7                                         | Transient Receptor Potential Cation Channel Subfamily M Member 7             |
| GHRHR                                         | Growth Hormone Releasing Hormone Receptor                                    |
Replication Factor C Subunit 1
Dopachrome Tautomerase
Lysoosomal Associated Membrane Protein 2
ABL Proto-Oncogene 1, Non-Receptor Tyrosine Kinase
Biglycan
Catatin Alpha 1
Lysoosomal Associated Membrane Protein 1
SPG7 Matrix AAA Peptidase Subunit, Paraplegin
Ubiquitin Like Modifier Activating Enzyme 7
BMX Non-Receptor Tyrosine Kinase
Myomesin 2
Long Intergenic Non-Protein Coding RNA 1554
Solute Carrier Family 40 Member 1
Isoprenylcysteine Carboxyl Methyltransferase
Cadherin 2
CCDC26 Long Non-Coding RNA
Secreted LY6/PLAUR Domain Containing 1
Latent Transforming Growth Factor Beta Binding Protein 4
MicroRNA 374a
Dynein Cytoplasmic 2 Heavy Chain 1
S-Phase Kinase Associated Protein 1
Nucleoporin 153
Sad1 And UNC84 Domain Containing 1
Glycerol-3-Phosphate Dehydrogenase 1
Promoter Of CDKN1A Antisense DNA Damage Activated RNA
Secreted Frizzled Related Protein 1
Exportin 1
Bone Marrow Stromal Cell Antigen 2
RNA Binding Region (RNP1, RRM) Containing 3
F-Box And WD Repeat Domain Containing 7
LDL Receptor Related Protein 5
Immunoglobulin Mu DNA Binding Protein 2
Tubulin Alpha 1b
Solute Carrier Family 25 Member 24
Senataxin
Solute Carrier Family 12 Member 5
Hepatocellular Carcinoma Up-Regulated Long Non-Coding RNA
HOXA Distal Transcript Antisense RNA
PTEN Induced Kinase 1
TBC1 Domain Family Member 3
Dehydrogenase/Reductase 2
Death Domain Associated Protein
Cyclin G1
N-Acylsphingosine Amidohydrolase 2
U2 Small Nuclear RNA Auxiliary Factor 1
Pyruvate Kinase L/R
Nuclear Factor Of Activated T Cells 3
Integrin Linked Kinase
Angiogenic Factor With G-Patch And FHA Domains 1
Sphingomyelin Phosphodiesterase Acid Like 3B
V-Set And Immunoglobulin Domain Containing 4
ATPase H+ Transporting Accessory Protein 1
Actin Filament Associated Protein 1
Glycophorin C (Gerbich Blood Group)
Inhibitor Of DNA Binding 1, HLH Protein
ZFP57 Zinc Finger Protein
SH3 And PX Domains 2A
SUMO Specific Peptidase 7
Arylsulfatase A
Lipase A, Lysosomal Acid Type
C-Type Lectin Domain Containing 6A
Cell Division Cycle 20
Uncharacterized LOC100287329
Pyrurate Dehydrogenase Phosphatase Catalytic Subunit 1
T-Box Transcription Factor 5
Antioxidant 1 Copper Chaperone
UDP-Glucose Ceramide Glucosyltransferase
MicroRNA 483
Mannosidase Beta
Catenin Alpha 2
Mannosidase Alpha Class 1B Member 1
MacroH2A.1 Histone
Regulator Of G Protein Signaling 5
Integrin Subunit Beta 5
Proprotein Convertase Subtilisin/Kexin Type 6
WT1 Transcription Factor
Von Hippel-Lindau Tumor Suppressor
Cathepsin E
Zinc Finger Protein 683
Phospholipase C Beta 3
Ubiquitination Factor E4B
HOXA11 Antisense RNA
Solute Carrier Family 28 Member 3
MIR210 Host Gene
Minichromosome Maintenance Complex Component 5
NPC Intracellular Cholesterol Transporter 2
Peptidylglycine Alpha-Amidating Monooxygenase
Bone Morphogenetic Protein 3
| Gene Name | Description |
|-----------|-------------|
| C9orf72-SMCR8 Complex Subunit | C9orf72 |
| Heat Shock Protein Family B (Small) Member 8 | HSPB8 |
| RNA Binding Motif Protein 19 | RBM19 |
| Wnt Family Member 3A | WNT3A |
| Keratin 15 | KRT15 |
| WSC Domain Containing 2 | WSCD2 |
| Scm Like With Four Mbt Domains 2 | SFMBT2 |
| Small Nuclear Ribonucleoprotein U1 Subunit 70 | SNRNP70 |
| Cancer Susceptibility 2 | CASC2 |
| Alpha-L-Iduronidase | IDUA |
| DEF6 Guanine Nucleotide Exchange Factor | DEF6 |
| Immunoglobulin Heavy Constant Gamma 3 (G3m Marker) | IGHG3 |
| FAU Ubiquitin Like And Ribosomal Protein S30 Fusion | FAU |
| WW Domain Containing Transcription Regulator 1 | WWTR1 |
| Zinc Finger FYVE-Type Containing 16 | ZFYVE16 |
| MicroRNA 342 | MIR342 |
| Cytochrome P450 Family 51 Subfamily A Member 1 | CYP51A1 |
| Heterogeneous Nuclear Ribonucleoprotein C | HNRNPC |
| RING1 And YY1 Binding Protein | RYBP |
| MicroRNA 18a | MIR18A |
| ST8 Alpha-N-Acetyl-Neuraminide Alpha-2,8-Sialyltransferase 4 | ST8SIA4 |
| Transient Receptor Potential Cation Channel Subfamily M Member 3 | TRPM3 |
| Solute Carrier Family 34 Member 1 | SLC34A1 |
| Mastermind Like Transcriptional Coactivator 3 | MAML3 |
| Secreted Frizzled Related Protein 2 | SFRP2 |
| ATPase H+ Transporting V0 Subunit A2 | ATP6V0A2 |
| Insulin Like Growth Factor Binding Protein 6 | IGFBP6 |
| Small Nuclear Ribonucleoprotein Polypeptide N | SNRPN |
| Bone Morphogenetic Protein 1 | BMP1 |
| Leucine Rich Repeat Kinase 1 | LRRK1 |
| Heterogeneous Nuclear Ribonucleoprotein D Like | HNRNPD |
| Serpin Family B Member 3 | SERPINB3 |
| Ring-Box 1 | RBX1 |
| Anti-Mullerian Hormone | AMH |
| Vav Guanine Nucleotide Exchange Factor 3 | VAV3 |
| Radical S-Adenosyl Methionine Domain Containing 2 | RSAD2 |
| Glycogen phosphorylase, Muscle Associated | PYGM |
| OCA2 Melanosomal Transmembrane Protein | OCA2 |
| WW Domain Containing E3 Ubiquitin Protein Ligase 1 | WWP1 |
| Macrophage Receptor With Collagenous Structure | MARCO |
| Ataxin 3 | ATXN3 |
| Leucine Zipper Tumor Suppressor 1 | LZTS1 |
| Transcription Factor EB | TFEB |
| Gene Name                                      | Description                                      |
|-----------------------------------------------|--------------------------------------------------|
| ATP Binding Cassette Subfamily C Member 5     | ABCCC5                                           |
| Complement Factor H Related 1                 | CFHR1                                            |
| Zinc Finger DHHC-Type Palmitoyltransferase 2  | ZDHHC2                                           |
| Cystatin F                                    | CST7                                             |
| PTGS2 Antisense NFKB1 Complex-Mediated Expression Regulator RNA | PACERR                                               |
| Protoporphyrinogen Oxidase                    | PPOX                                             |
| D-2-Hydroxyglutarate Dehydrogenase            | D2HGDH                                           |
| Alpha And Gamma Adaptin Binding Protein        | AAGAB                                            |
| Metatin 1                                     | MTX1                                             |
| Mannosidase Alpha Class 2C Member 1           | MAN2C1                                           |
| Centrosomal Protein 89                        | CEP89                                            |
| Centrosomal Protein 192                       | CEP192                                           |
| DnaJ Heat Shock Protein Family (Hsp40) Member C27 | DNAJC27                                         |
| Meiotic Double-Stranded Break Formation Protein 1 | MEI1                                              |
| Prickle Planar Cell Polarity Protein 4        | PRICKLE4                                         |
| Matrix Remodeling Associated 8                | MXRA8                                            |
| Elongator Acetyltransferase Complex Subunit 6 | ELP6                                             |
| Valosin Containing Protein Lysine Methyltransferase | VCPKMT                                           |
| HNF1A Antisense RNA 1                         | HNF1A-AS1                                        |
| Phosphodiesterase 11A                         | PDE11A                                           |
| Heterogeneous Nuclear Ribonucleoprotein H2    | HNRNPH2                                          |
| Small Nuclear Ribonucleoprotein D3 Polypeptide | SNRPD3                                          |
| IKBKG Recombination Region                    | LOC107988021                                     |
| IKBKG Downstream Recombination Region         | LOC107988022                                     |
| Amylo-Alpha-1, 6-Glucosidase, 4-Alphaglucotransferase | AGL                                              |
| Uncharacterized LOC101448202                  | LOC101448202                                     |
| Deoxyhypusine Synthase                        | DHPS                                             |
| Syntaxin 5                                    | STX5                                             |
| 4-Hydroxyphenylpyruvate Dioxygenase            | HPD                                              |
| Eukaryotic Translation Elongation Factor 1 Alpha 1 | EEF1A1                                         |
| Syntrophin Beta 2                             | SNTB2                                            |
| MicroRNA 664a                                 | MIR664A                                          |
| EGF Domain Specific O-Linked N-Acetylglucosamine Transferase | EOGT                                             |
| Small Nuclear Ribonucleoprotein Polypeptide A  | SNRPA                                            |
| G Protein-Coupled Receptor 108                | GPR108                                           |
| VPS35 Retromer Complex Component              | VPS35                                            |
| Sphingomyelin Synthase 1                      | SGMS1                                            |
| COP9 Signalosome Subunit 3                    | COPS3                                            |
| Copper Metabolism Domain Containing 1         | COMMD1                                           |
| Mannose-6-Phosphate Receptor, Cation Dependent | M6PR                                            |
| MicroRNA 139                                  | MIR139                                           |
| Wnt Family Member 10B                        | WNT10B                                           |
| Gene Name | Description |
|-----------|-------------|
| HMGA2 | High Mobility Group AT-Hook 2 |
| IHH | Indian Hedgehog Signaling Molecule |
| BANCR | BRAF-Activated Non-Protein Coding RNA |
| LNCRNA-ATB | Long Noncoding RNA Activated By TGF-Beta |
| FUCA1 | Alpha-L-Fucosidase 1 |
| CENPE | Centromere Protein E |
| AQR | Aquarius Intron-Binding Spliceosomal Factor |
| HBQ1 | Hemoglobin Subunit Theta 1 |
| ZBTB6 | Zinc Finger And BTB Domain Containing 6 |
| TRAPPC2B | Trafficking Protein Particle Complex Subunit 2B |
| PTPRG | Protein Tyrosine Phosphatase Receptor Type G |
| PCGF2 | Polycomb Group Ring Finger 2 |
| MIR614 | Mature T Cell Proliferation 1 |
| MIR520A | MicroRNA 614 |
| CCAT2 | MicroRNA 520a |
| LOC107988024 | Colon Cancer Associated Transcript 2 |
| MYHAS | Myosin Heavy Chain Gene Cluster Antisense RNA |
| LOC107988025 | IKBKGP1 Recombination Region |
| PHYH | 5'-Aminolevulinate Synthase 1 |
| ALAS1 | Phytanoyl-CoA 2-Hydroxylase |
| TRPC3 | Transient Receptor Potential Cation Channel Subfamily C Member 3 |
| ZEB1-AS1 | ZEB1 Antisense RNA 1 |
| TRPC4 | Transient Receptor Potential Cation Channel Subfamily C Member 4 |
| PTK6 | Protein Tyrosine Kinase 6 |
| TRPV6 | Transient Receptor Potential Cation Channel Subfamily V Member 6 |
| HMBS | Hydroxymethylbilane Synthase |
| KRT24 | Keratin 24 |
| FENDRR | FOXF1 Adjacent Non-Coding Developmental Regulatory RNA |
| NPC1 | NPC Intracellular Cholesterol Transporter 1 |
| FDPS | Farnesyl Diphosphate Synthase |
| PLXNA1 | Plexin A1 |
| GORASp1 | Golgi Reassembly Stacking Protein 1 |
| SLCO3A1 | Solute Carrier Organic Anion Transporter Family Member 3A1 |
| CENPV | Centromere Protein V |
| SNHG1 | Small Nucleolar RNA Host Gene 1 |
| PCAT1 | Prostate Cancer Associated Transcript 1 |
| NNT-AS1 | NNT Antisense RNA 1 |
| GNA15 | G Protein Subunit Alpha 15 |
| MRC2 | Mannose Receptor C Type 2 |
| SMDP2 | Sphingomyelin Phosphodiesterase 2 |
TATA-Box Binding Protein Associated Factor 3  
Matrix Metallopeptidase 16  
Transcription Factor Binding To IGHM Enhancer 3  
Nudix Hydrolase 6  
Fumarate Hydrolase  
Hemojuvelin BMP Co-Receptor  
Microtubule Affinity Regulating Kinase 3  
Mannosidase Alpha Class 2A Member 1  
Rho Related BTB Domain Containing 2  
Fibroblast Growth Factor 6  
Uroplakin 1A  
Trichohyalin  
SOX2 Overlapping Transcript  
Breast Cancer Anti-Estrogen Resistance 4  
HIF1A Antisense RNA 2  
FOXC2 Antisense RNA 1  
Long Intergenic Non-Protein Coding RNA 901  
Immunoglobulin Heavy Variable 4-38-2  
Ubiquitin Specific Peptidase 6  
WEE1 G2 Checkpoint Kinase  
E2F Transcription Factor 4  
Glucosylceramidase Beta 2  
Golgin B1  
PHD Finger Protein 6  
SEC61 Translocon Subunit Alpha 1  
Msh Homeobox 2  
Transferrin Receptor 2  
Ring Finger Protein 135  
RB Transcriptional Corepressor Like 1  
Phosphatidylinositol Transfer Protein Alpha  
Transient Receptor Potential Cation Channel Subfamily C Member 5  
Solute Carrier Family 15 Member 2  
WW Domain Containing E3 Ubiquitin Protein Ligase 2  
Phosphate Regulating Endopeptidase Homolog X-Linked  
Diacylglycerol Kinase Theta  
IQ Motif Containing GTPase Activating Protein 2  
G3BP Stress Granule Assembly Factor 1  
Smoothelin  
RAB7B, Member RAS Oncogene Family  
CLN6 Transmembrane ER Protein  
Mannose-Binding Lectin Family Member 3, Pseudogene  
Karyopherin Subunit Alpha 4  
2'-5'-Oligoadenylate Synthetase 3
UTP6 Small Subunit Processome Component
H3.3 Histone B
Ephrin A2
Olfactory Receptor Family 4 Subfamily D Member 2
Dynactin Subunit 1
Achaete-Scute Family BHLH Transcription Factor 1
Calnexin
Pancreatic Polypeptide
G3BP Stress Granule Assembly Factor 2
YEATS Domain Containing 2
Melanotransferrin
Spartin
Pancreatic And Duodenal Homeobox 1
Pyroline-5-Carboxylate Reductase 1
Aminovulinate Dehydratase
Isocitrate (NAD(+)) 3 Non-Catalytic Subunit Beta
TRPM6
FYVE, RhoGEF And PH Domain Containing 4
RB Transcriptional Corepressor Like 2
Ubiquilin 2
Golgin A2
Glutathione S-Transferase Mu 5
Collectin Subfamily Member 12
Ly1 Antibody Reactive
Zinc Fingers And Homeoboxes 2
Centriolar Coiled-Coil Protein 110
Centlein
Keratin 31
Coordinator Of PRMT5 And Differentiation Stimulator
Integrin Subunit Beta Like 1
Solute Carrier Family 12 Member 6
Aldehyde Dehydrogenase 18 Family Member A1
5'-Aminovulinate Synthase 2
Glycophorin A (MNS Blood Group)
WNK Lysine Deficient Protein Kinase 4
Distal-Less Homeobox 3
Homeobox C13
Secretion Associated Ras Related GTPase 1A
Alpha-L-Fucosidase 2
Tubulin Gamma Complex Associated Protein 6
NDRG Family Member 4
Acyl-CoA Synthetase Short Chain Family Member 3
Lysine Methyltransferase 2B

UTP6
H3-3B
EFNA2
OR4D2
DCTN1
ASCL1
CANX
PPY
G3BP2
YEATS2
MELTF
SPART
PDX1
PYCR1
ALAD
IDH3B
TRPM6
FGD4
RBL2
UBQLN2
GOLGA2
GSTM5
COLEC12
LYAR
ZHX2
CCP110
CNTLN
KRT31
COPRS
ITGBL1
SLC12A6
ALDH18A1
ALAS2
GYP4
WNK4
DLX3
HOXC13
SAR1A
FUCA2
TUBGCP6
NDRG4
ACSS3
KMT2B
|    | Gene Name                                                                 |   |
|----|---------------------------------------------------------------------------|---|
| 1198 | NPL4 Homolog, Ubiquitin Recognition Factor                               | NPLOC4 |
| 1199 | RB Binding Protein 5, Histone Lysine Methyltransferase Complex Subunit   | RBBP5  |
| 1200 | NSF Attachment Protein Gamma                                              | NAPG   |
| 1201 | Pleckstrin Homology Like Domain Family B Member 1                         | PHLDB1 |
| 1202 | Succinyl-CoA:Glutarate-CoA Transferase                                    | SUGCT  |
| 1203 | Keratin 72                                                               | KRT72  |
| 1204 | Seryl-TRNA Synthetase 1                                                  | SARS1  |
| 1205 | ATPase Family AAA Domain Containing 5                                     | ATAD5  |
| 1206 | Stress Induced Phosphoprotein 1                                          | STIP1  |
| 1207 | Dynein Light Chain LC8-Type 1                                            | DYNLL1 |
| 1208 | Placenta Associated 8                                                    | PLAC8  |
| 1209 | Myeloma Overexpressed                                                    | MYEOV  |
| 1210 | Farnesyl-Diphosphate Farnesyltransferase 1                                | FDFT1  |
| 1211 | Osteoglycin                                                              | OGN    |
| 1212 | H3.3 Histone A                                                           | H3-3A  |
| 1213 | MicroRNA 218-1                                                           | MIR218-1|
| 1214 | DLC1 Rho GTPase Activating Protein                                       | DLC1   |
| 1215 | Nuclear Factor I B                                                        | NFIB   |
| 1216 | EvC Ciliary Complex Subunit 1                                            | EVC    |
| 1217 | MicroRNA 218-2                                                            | MIR218-2|
| 1218 | Acid Phosphatase 2, Lysosomal                                            | ACP2   |
| 1219 | EvC Ciliary Complex Subunit 2                                             | EVC2   |