**Cancer Gene List - VII**

Mark Herbert

World Development Institute

39-06 Main Street, Flushing, Queens, New York 11354, USA, [ma708090@gmail.com](mailto:ma708090@gmail.com)

**Abstract:** There are thousands of genes that are related to the cancer development. This asreticle gives 1400 genes that are supposed as cancer genes. This is cancer gene list part 7.

[Herbert M. **Cancer Gene List - VII.** *Cancer Biology* 2020;10(3):36-62]. ISSN: 2150-1041 (print); ISSN: 2150-105X (online). <http://www.cancerbio.net>. 4. doi:[10.7537/marscbj100320.04](http://www.dx.doi.org/10.7537/marscbj100320.04).

**Key words**: cancer; gene; **D**NA; life; medicine

Cell proliferation is regulated during the body growth and the cancer could happen if the regulation is out of control. Viruses can be used to introduce the reprogramming factors into adult cells, However, there is a risk that the virus used to introduce the stem cell factors sometimes possibly causes cancers. Controlling genes on and off is central to the biological process. The most serious medical conditions, such as cancer and birth defects, are due to abnormal cell division and differentiation. Cancer cell lines can be used to find potential anti-tumor drugs. To control the differentiation of stem cell precisely is important in the drug development (Ma, et al, 2014).

There are thousands of genes that are related to the cancer development. Here it gives 1400 genes that are supposed as cancer genes (Table 1) (Atlas of Genetics and Cytogenetics in Oncology and Haematology., 2015). HGNC is responsible for approving unique symbols and names for human loci, including protein coding genes, ncRNA genes and pseudogenes, to allow unambiguous scientific communication. The HUGO Gene Nomenclature Committee is the only worldwide authority that assigns standardised nomenclature to human genes. The HGNC approves both a short-form abbreviation known as a gene symbol, and also a longer and more descriptive name. Each symbol is unique and the committee ensures that each gene is only given one approved gene symbol. This allows for clear and unambiguous reference to genes in scientific communications, and facilitates electronic data retrieval from databases and publications. In preference, symbols also maintain parallel construction for different members of a gene family and can also be used for orthologous genes in other vertebrate species (HGNC, 2015).

Table 1. Cancer gene list (7)

|  |  |  |
| --- | --- | --- |
| Gene | Location | HGNC (Hugo) Name |
| [S100A10](http://atlasgeneticsoncology.org/Genes/S100A10ID44145ch1q21.html) | 1q21.3 | S100A10 (S100 calcium binding protein A10) |
|  |  |  |
| [S100A13](http://atlasgeneticsoncology.org/Genes/S100A13ID44197ch1q21.html) | 1q21.3 | S100A13 (S100 calcium binding protein A13) |
|  |  |  |
| [S100A1](http://atlasgeneticsoncology.org/Genes/S100A1ID44149ch1q21.html) | 1q21.3 | S100A1 (S100 calcium binding protein A1) |
|  |  |  |
| [S100A2](http://atlasgeneticsoncology.org/Genes/S100A2ID42191ch1q21.html) | 1q21.3 | S100A2 (S100 calcium binding protein A2) |
|  |  |  |
| [S100A4](http://atlasgeneticsoncology.org/Genes/S100A4ID42192ch1q21.html) | 1q21.3 | S100A4 (S100 Calcium Binding Protein A4) |
|  |  |  |
| S100A7c (Alias) | 1q21.3 | [S100A7](http://atlasgeneticsoncology.org/Genes/S100A7ID42194ch1q21.html) |
| [S100A7](http://atlasgeneticsoncology.org/Genes/S100A7ID42194ch1q21.html) | 1q21.3 | S100A7 (S100 calcium binding protein A7) |
|  |  |  |
| [S100A8](http://atlasgeneticsoncology.org/Genes/S100A8ID46446ch1q21.html) | 1q21.3 | S100A8 (S100 calcium binding protein A8) |
|  |  |  |
| [S100A9](http://atlasgeneticsoncology.org/Genes/S100A9ID45569ch1q21.html) | 1q21.3 | S100A9 (S100 calcium binding protein A9) |

|  |  |  |
| --- | --- | --- |
|  |  |  |
| S100A (Alias) | 1q21.3 | [S100A1](http://atlasgeneticsoncology.org/Genes/S100A1ID44149ch1q21.html) |
| S100 (Alias) | 1q21.3 | [S100A1](http://atlasgeneticsoncology.org/Genes/S100A1ID44149ch1q21.html) |
| S100 (Alias) | 21q22.3 | [S100B](http://atlasgeneticsoncology.org/Genes/S100BID42195ch21q22.html) |
| S100-alpha (Alias) | 1q21.3 | [S100A1](http://atlasgeneticsoncology.org/Genes/S100A1ID44149ch1q21.html) |
| S100Beta (Alias) | 21q22.3 | [S100B](http://atlasgeneticsoncology.org/Genes/S100BID42195ch21q22.html) |
| [S100B](http://atlasgeneticsoncology.org/Genes/S100BID42195ch21q22.html) | 21q22.3 | S100B (S100 calcium binding protein B) |
|  |  |  |
| S100E (Alias) | 4p16.1 | [S100P](http://atlasgeneticsoncology.org/Genes/S100PID42196ch4p16.html) |
| S100L (Alias) | 1q21.3 | [S100A2](http://atlasgeneticsoncology.org/Genes/S100A2ID42191ch1q21.html) |
| [S100PBP](http://atlasgeneticsoncology.org/Genes/S100PBPID44308ch1p35.html) | 1p35.1 | S100PBP (S100P binding protein) |
| S100PBPR (Alias) | 1p35.1 | [S100PBP](http://atlasgeneticsoncology.org/Genes/S100PBPID44308ch1p35.html) |
|  |  |  |
| [S100P](http://atlasgeneticsoncology.org/Genes/S100PID42196ch4p16.html) | 4p16.1 | S100P (S100 calcium binding protein P) |
|  |  |  |
| S10 (Alias) | Xq28 | [L1CAM](http://atlasgeneticsoncology.org/Genes/L1CAMID44110chXq28.html) |
| S14 (Alias) | 11q14.1 | [THRSP](http://atlasgeneticsoncology.org/Genes/THRSPID42555ch11q14.html) |
| S1-5 (Alias) | 2p16.1 | [EFEMP1](http://atlasgeneticsoncology.org/Genes/EFEMP1ID49818ch2p16.html) |
| S171 (Alias) | 14q24.2 | [NUMB](http://atlasgeneticsoncology.org/Genes/NUMBID43702ch14q24.html) |
| S27 (Alias) | 1q21.3 | [RPS27](http://atlasgeneticsoncology.org/Genes/RPS27ID45550ch1q21.html) |
| SA-2 (Alias) | Xq25 | [STAG2](http://atlasgeneticsoncology.org/Genes/STAG2ID52377chXq25.html) |
| SA2 (Alias) | Xq25 | [STAG2](http://atlasgeneticsoncology.org/Genes/STAG2ID52377chXq25.html) |
| SAG (salivary agglutinin; human) (Alias) | 10q26.13 | [DMBT1](http://atlasgeneticsoncology.org/Genes/DMBT1ID309ch10q26.html) |
| SAG (Sensitive to Apoptosis Gene) (Alias) | 3q23 | [RNF7](http://atlasgeneticsoncology.org/Genes/RNF7ID44108ch3q22.html) |
| Salvador (Alias) | 14q22.1 | [SAV1](http://atlasgeneticsoncology.org/Genes/SAV1ID42206ch14q13.html) |
| SAP1 (Alias) | 10q22.1 | [PSAP](http://atlasgeneticsoncology.org/Genes/PSAPID42980ch10q22.html) |
| SAP-97 (Alias) | 3q29 | [DLG1](http://atlasgeneticsoncology.org/Genes/DLG1ID40333ch3q29.html) |
| SAP97 (Alias) | 3q29 | [DLG1](http://atlasgeneticsoncology.org/Genes/DLG1ID40333ch3q29.html) |
| SAPK2A (Alias) | 6p21.31 | [MAPK14](http://atlasgeneticsoncology.org/Genes/MAPK14ID41292ch6p21.html) |
| SAPK-3 (Alias) | 22q13.33 | [MAPK12](http://atlasgeneticsoncology.org/Genes/MAPK12ID41290ch22q13.html) |
| SAPK3 (Alias) | 22q13.33 | [MAPK12](http://atlasgeneticsoncology.org/Genes/MAPK12ID41290ch22q13.html) |
| SAPK4 (Alias) | 6p21.31 | [MAPK13](http://atlasgeneticsoncology.org/Genes/MAPK13ID41291ch6p21.html) |
| SAPKK-1 (Alias) | 17p12 | [MAP2K4](http://atlasgeneticsoncology.org/Genes/MAP2K4ID244ch17p12.html) |
| SAPKK1 (Alias) | 17p12 | [MAP2K4](http://atlasgeneticsoncology.org/Genes/MAP2K4ID244ch17p12.html) |
| SAR2 (Alias) | 11p11.2 | [CD82](http://atlasgeneticsoncology.org/Genes/CD82ID41045ch11p11.html) |
| [SARNP](http://atlasgeneticsoncology.org/Genes/CIP29ID42967ch12q13.html) | 12q13.2 | SARNP (cytokine induced protein 29 kDa) |
|  |  |  |
| SARP1 (Alias) | 4q31.3 | [SFRP2](http://atlasgeneticsoncology.org/Genes/SFRP2ID42952ch4q31.html) |
| [SASH1](http://atlasgeneticsoncology.org/Genes/SASH1ID43799ch6q24.html) | 6q24.3 | SASH1 (SAM and SH3 domain containing 1) |
|  |  |  |
| SASP (Alias) | 9q31.3 | [TXN](http://atlasgeneticsoncology.org/Genes/TXNID44354ch9q31.html) |
| [SATB1](http://atlasgeneticsoncology.org/Genes/SATB1ID44225ch3p24.html) | 3p24.3 | SATB1 (SATB homeobox 1) |
|  |  |  |
| [SAV1](http://atlasgeneticsoncology.org/Genes/SAV1ID42206ch14q13.html) | 14q22.1 | SAV1 (Salvador homolog 1 (Drosophila)) |
|  |  |  |
| SAX3 (Alias) | 3p12.3 | [ROBO1](http://atlasgeneticsoncology.org/Genes/ROBO1ID42140ch3p12.html) |
| SBMA (Alias) | Xq12 | [AR](http://atlasgeneticsoncology.org/Genes/ARID685chXq12.html) |
| SBP (Alias) | 17p13.1 | [SHBG](http://atlasgeneticsoncology.org/Genes/SHBGID42286ch17p13.html) |
| SBS (Alias) | 16q12.1 | [CYLD](http://atlasgeneticsoncology.org/Genes/CYLDID40232ch16q12.html) |
| [SCAF1](http://atlasgeneticsoncology.org/Genes/SCAF1ID46074ch19q13.html) | 19q13.33 | SCAF1 (SR-related CTD-associated factor 1) |
|  |  |  |
| SCAF (Alias) | 19q13.33 | [SCAF1](http://atlasgeneticsoncology.org/Genes/SCAF1ID46074ch19q13.html) |
| SCAR13 (Alias) | 6q24.3 | [GRM1](http://atlasgeneticsoncology.org/Genes/GRM1ID43851ch6q24.html) |
| SCC1 (Alias) | 11p11.2 | [PTPRJ](http://atlasgeneticsoncology.org/Genes/PTPRJID41932ch11p11.html) |
| SCC3B (Alias) | Xq25 | [STAG2](http://atlasgeneticsoncology.org/Genes/STAG2ID52377chXq25.html) |
| SCCA-1 (Alias) | 18q21.33 | [SERPINB3](http://atlasgeneticsoncology.org/Genes/SERPINB3ID42265ch18q21.html) |
| SCCA1 (Alias) | 18q21.33 | [SERPINB3](http://atlasgeneticsoncology.org/Genes/SERPINB3ID42265ch18q21.html) |
| SCC (Alias) | 18q21.33 | [SERPINB3](http://atlasgeneticsoncology.org/Genes/SERPINB3ID42265ch18q21.html) |
| SCCA-PD (Alias) | 18q21.33 | [SERPINB3](http://atlasgeneticsoncology.org/Genes/SERPINB3ID42265ch18q21.html) |
| SCCE (Alias) | 19q13.41 | [KLK7](http://atlasgeneticsoncology.org/Genes/KLK7ID41087ch19q13.html) |
| SCF (Alias) | 12q21.32 | [KITLG](http://atlasgeneticsoncology.org/Genes/MGFID142.html) |
| SCFR (Stem Cell Factor Receptor) (Alias) | 4q12 | [KIT](http://atlasgeneticsoncology.org/Genes/KITID127.html) |
| SCH (Alias) | 22q12.2 | [NF2](http://atlasgeneticsoncology.org/Genes/NF2ID117.html) |
| SCKL1 (Alias) | 3q23 | [ATR](http://atlasgeneticsoncology.org/Genes/ATRID728ch3q23.html) |
| SCKL (Alias) | 3q23 | [ATR](http://atlasgeneticsoncology.org/Genes/ATRID728ch3q23.html) |
| SCL (stem cell leukaemia), TCL5 (T cell leukaemia 5) (Alias) | 1p33 | [TAL1](http://atlasgeneticsoncology.org/Genes/TAL1ID15.html) |
| SCN2 (Alias) | 1p22.1 | [GFI1](http://atlasgeneticsoncology.org/Genes/GFI1ID40706ch1p22.html) |
| SCNX (Alias) | Xp11.23 | [WAS](http://atlasgeneticsoncology.org/Genes/WASID42801chXp11.html) |
| SCOP (Alias) | 18q21.33 | [PHLPP1](http://atlasgeneticsoncology.org/Genes/PHLPP1ID44544ch18q21.html) |
| SCP3 (Alias) | 3p22.2 | [CTDSPL](http://atlasgeneticsoncology.org/Genes/CTDSPLID40189ch3p22.html) |
| SCRA1 (Alias) | 7q36.3 | [MNX1](http://atlasgeneticsoncology.org/Genes/HLXB9ID393.html) |
| Scraps (Alias) | 7p14.2 | [ANLN](http://atlasgeneticsoncology.org/Genes/ANLNID44318ch7p14.html) |
| SCS (Alias) | 7p21.1 | [TWIST1](http://atlasgeneticsoncology.org/Genes/TWIST1ID44296ch7p21.html) |
| SCTE (Alias) | 19q13.41 | [KLK5](http://atlasgeneticsoncology.org/Genes/KLK5ID41085ch19q13.html) |
| SCURFIN (Alias) | Xp11.23 | [FOXP3](http://atlasgeneticsoncology.org/Genes/FOXP3ID44129chXp11.html) |
| SCYAR1 (Alias) | 3p21.31 | [CCR1](http://atlasgeneticsoncology.org/Genes/CCR1ID44379ch3p21.html) |
| SCYB10 (Alias) | 4q21.1 | [CXCL10](http://atlasgeneticsoncology.org/Genes/CXCL10ID40218ch4q21.html) |
| SCYB4 (Alias) | 4q13.3 | [PF4](http://atlasgeneticsoncology.org/Genes/PF4ID41693ch4q13.html) |
| SCYB4V1 (Alias) | 4q13.3 | [PF4V1](http://atlasgeneticsoncology.org/Genes/PF4V1ID44606ch4q13.html) |
| SCYB5 (Alias) | 4q13.3 | [CXCL5](http://atlasgeneticsoncology.org/Genes/CXCL5ID40223ch4q13.html) |
| SCYD1 (Alias) | 16q21 | [CX3CL1](http://atlasgeneticsoncology.org/Genes/CX3CL1ID46756ch16q13.html) |
| SDBCAG84 (Alias) | 20q11.22 | [ERGIC3](http://atlasgeneticsoncology.org/Genes/ERGIC3ID42222ch20q11.html) |
| [SDC1](http://atlasgeneticsoncology.org/Genes/SDC1ID42223ch2p24.html) | 2p24.1 | SDC1 (syndecan 1) |
|  |  |  |
| SDC (Alias) | 2p24.1 | [SDC1](http://atlasgeneticsoncology.org/Genes/SDC1ID42223ch2p24.html) |
| [SDCBP](http://atlasgeneticsoncology.org/Genes/SDCBPID44377ch8q12.html) | 8q12.1 | SDCBP (syndecan binding protein (syntenin)) |
|  |  |  |
| SDCCAG43 (Alias) | 9q22.31 | [WNK2](http://atlasgeneticsoncology.org/Genes/WNK2ID41867ch9q22.html) |
| SDF-5 (Alias) | 4q31.3 | [SFRP2](http://atlasgeneticsoncology.org/Genes/SFRP2ID42952ch4q31.html) |
| SDGF (Alias) | 4q13.3 | [AREG](http://atlasgeneticsoncology.org/Genes/AREGID690ch4q13.html) |
| SDH1 (succinate dehydrogenase 1) (Alias) | 1p36.13 | [SDHB](http://atlasgeneticsoncology.org/Genes/SDHBID388.html) |
| SDH3 (succinate dehydrogenase 3) (Alias) | 1q23.3 | [SDHC](http://atlasgeneticsoncology.org/Genes/SDHCID389.html) |
| SDH4 (succinate dehydrogenase 4) (Alias) | 11q23.1 | [SDHD](http://atlasgeneticsoncology.org/Genes/SDHDID390.html) |
| [SDHB](http://atlasgeneticsoncology.org/Genes/SDHBID388.html) | 1p36.13 | SDHB (succinate dehydrogenase complex II, subunit B, iron-sulfur protein or IP) |
|  |  |  |
| [SDHC](http://atlasgeneticsoncology.org/Genes/SDHCID389.html) | 1q23.3 | SDHC (succinate dehydrogenase complex II, subunit C, integral membrane protein) |
|  |  |  |
| [SDHD](http://atlasgeneticsoncology.org/Genes/SDHDID390.html) | 11q23.1 | SDHD (succinate dehydrogenase complex II, subunit D, integral membrane protein) |
|  |  |  |
| SDI1 (Senescence cell- derived inhibitor-1) (Alias) | 6p21.2 | [CDKN1A](http://atlasgeneticsoncology.org/Genes/CDKN1AID139.html) |
| SDR44U1 (Alias) | 11p15.1 | [HTATIP2](http://atlasgeneticsoncology.org/Genes/HTATIP2ID40894ch11p15.html) |
| SEB (Alias) | 18q12.3 | [SETBP1](http://atlasgeneticsoncology.org/Genes/SETBP1ID44031ch18q12.html) |
| Securin (Alias) | 5q33.3 | [PTTG1](http://atlasgeneticsoncology.org/Genes/PTTG1ID41943ch5q35.html) |
| SECURIN (Alias) | 5q33.3 | [PTTG1](http://atlasgeneticsoncology.org/Genes/PTTG1ID41943ch5q35.html) |
| SEK1 (Alias) | 17p12 | [MAP2K4](http://atlasgeneticsoncology.org/Genes/MAP2K4ID244ch17p12.html) |
| [SEL1L](http://atlasgeneticsoncology.org/Genes/SEL1LID42246ch14q24.html) | 14q31.1 | SEL1L (sel-1 suppressor of lin-12-like (C. elegans)) |
| SEL1-like (Alias) | 14q31.1 | [SEL1L](http://atlasgeneticsoncology.org/Genes/SEL1LID42246ch14q24.html) |
|  |  |  |
| [SELE](http://atlasgeneticsoncology.org/Genes/SELEID42247ch1q22.html) | 1q24.2 | SELE (selectin E, endothelial adhesion molecule 1) |
|  |  |  |
| SELP (Alias) | 5p12 | [SEPP1](http://atlasgeneticsoncology.org/Genes/SEPP1ID46513ch5p12.html) |
| SelY (Alias) | 14q31.1 | [DIO2](http://atlasgeneticsoncology.org/Genes/DIO2ID44390ch14q31.html) |
| [SEMA3B](http://atlasgeneticsoncology.org/Genes/SEMA3BID42252ch3p21.html) | 3p21.31 | SEMA3B (sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B) |
|  |  |  |
| [SEMA3F](http://atlasgeneticsoncology.org/Genes/SEMA3FID42254ch3p21.html) | 3p21.31 | SEMA3F (sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F) |
|  |  |  |
| SEMA4 (Alias) | 3p21.31 | [SEMA3F](http://atlasgeneticsoncology.org/Genes/SEMA3FID42254ch3p21.html) |
| [SEMA4D](http://atlasgeneticsoncology.org/Genes/SEMA4DID42255ch9q22.html) | 9q22.2 | SEMA4D (sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D) |
|  |  |  |
| SEMA5 (Alias) | 3p21.31 | [SEMA3B](http://atlasgeneticsoncology.org/Genes/SEMA3BID42252ch3p21.html) |
| SEMAA (Alias) | 3p21.31 | [SEMA3B](http://atlasgeneticsoncology.org/Genes/SEMA3BID42252ch3p21.html) |
| SemA (Alias) | 3p21.31 | [SEMA3B](http://atlasgeneticsoncology.org/Genes/SEMA3BID42252ch3p21.html) |
| SEMA-IV (Alias) | 3p21.31 | [SEMA3F](http://atlasgeneticsoncology.org/Genes/SEMA3FID42254ch3p21.html) |
| SEMAJ (Alias) | 9q22.2 | [SEMA4D](http://atlasgeneticsoncology.org/Genes/SEMA4DID42255ch9q22.html) |
| SEMAK (Alias) | 3p21.31 | [SEMA3F](http://atlasgeneticsoncology.org/Genes/SEMA3FID42254ch3p21.html) |
| [SEP15](http://atlasgeneticsoncology.org/Genes/SEP15ID42260ch1p22.html) | 1p22.3 | SEP15 (15 kDa selenoprotein) |
| SEP (Alias) | 3p21.31 | [PLXNB1](http://atlasgeneticsoncology.org/Genes/PLXNB1ID43413ch3p21.html) |
| SeP (Alias) | 5p12 | [SEPP1](http://atlasgeneticsoncology.org/Genes/SEPP1ID46513ch5p12.html) |
| [SEPP1](http://atlasgeneticsoncology.org/Genes/SEPP1ID46513ch5p12.html) | 5p12 | SEPP1 (selenoprotein P, plasma, 1) |
|  |  |  |
| [SEPT2](http://atlasgeneticsoncology.org/Genes/SEPT2ID44125ch2q37.html) | 2q37.3 | SEPT2 (septin 2) |
|  |  |  |
| [SEPT5](http://atlasgeneticsoncology.org/Genes/hCDCRel-1ID220.html) | 22q11.21 | SEPT5 (septin 5) |
|  |  |  |
| [SEPT6](http://atlasgeneticsoncology.org/Genes/SEPTIN6ID376.html) | Xq24 | SEPT6 (septin 6) |
|  |  |  |
| [SEPT9](http://atlasgeneticsoncology.org/Genes/MSFID208.html) | 17q25.2 | SEPT9 (MLL septin-like fusion) |
|  |  |  |
| Serine/threonine-protein kinase VRK1 (Alias) | 14q32.2 | [VRK1](http://atlasgeneticsoncology.org/Genes/VRK1ID43556ch14q32.html) |
| SERK1 (Alias) | 17p12 | [MAP2K4](http://atlasgeneticsoncology.org/Genes/MAP2K4ID244ch17p12.html) |
| [SERPINB3](http://atlasgeneticsoncology.org/Genes/SERPINB3ID42265ch18q21.html) | 18q21.33 | SERPINB3 (Serpin Peptidase Inhibitor, Clade B (Ovalbumin), Member 3) |
|  |  |  |
| [SERPINB5](http://atlasgeneticsoncology.org/Genes/SerpinB5ID42267.html) | 18q21.33 | SERPINB5 serpin peptidase inhibitor, clade B (ovalbumin), member 5 |
|  |  |  |
| [SETBP1](http://atlasgeneticsoncology.org/Genes/SETBP1ID44031ch18q12.html) | 18q12.3 | SETBP1 (SET binding protein 1) |
|  |  |  |
| [SET](http://atlasgeneticsoncology.org/Genes/SETID42272ch9q34.html) | 9q34.11 | SET (SET nuclear oncogene) |
| SETLSS (Alias) | 2q37.3 | [TWIST2](http://atlasgeneticsoncology.org/Genes/TWIST2ID43639ch2q37.html) |
|  |  |  |
| SF-1 (Alias) | 9q33.3 | [NR5A1](http://atlasgeneticsoncology.org/Genes/NR5A1ID45858ch9q33.html) |
| SF1 (Alias) | 9q33.3 | [NR5A1](http://atlasgeneticsoncology.org/Genes/NR5A1ID45858ch9q33.html) |
| SF2 (Alias) | 17q22 | [SRSF1](http://atlasgeneticsoncology.org/Genes/SRSF1ID47631ch17q22.html) |
| SF2p33 (Alias) | 17q22 | [SRSF1](http://atlasgeneticsoncology.org/Genes/SRSF1ID47631ch17q22.html) |
| SFA-1 (Alias) | 11p15.5 | [CD151](http://atlasgeneticsoncology.org/Genes/CD151ID967ch11p15.html) |
| SFA1 (Alias) | 11p15.5 | [CD151](http://atlasgeneticsoncology.org/Genes/CD151ID967ch11p15.html) |
| SF (Alias) | 7q21.11 | [HGF](http://atlasgeneticsoncology.org/Genes/HGFID385ch7q21.html) |
| [SFPQ](http://atlasgeneticsoncology.org/Genes/PSFID167.html) | 1p34.3 | SFPQ (PTB-associated splicing factor) |
|  |  |  |
| SFPQ (splicing factor proline/glutamine rich) (Alias) | 1p34.3 | [SFPQ](http://atlasgeneticsoncology.org/Genes/PSFID167.html) |
| [SFRP2](http://atlasgeneticsoncology.org/Genes/SFRP2ID42952ch4q31.html) | 4q31.3 | SFRP2 (secreted frizzled-related protein 2) |
|  |  |  |
| SFRP3 (Alias) | 2q32.1 | [FRZB](http://atlasgeneticsoncology.org/Genes/FRZBID44457ch2q32.html) |
| [SFRP4](http://atlasgeneticsoncology.org/Genes/SFRP4ID42277ch7p14.html) | 7p14.1 | SFRP4 (Secreted Frizzled-Related Protein 4) |
|  |  |  |
| SFRS19 (Alias) | 19q13.33 | [SCAF1](http://atlasgeneticsoncology.org/Genes/SCAF1ID46074ch19q13.html) |
| SFRS1 (Alias) | 17q22 | [SRSF1](http://atlasgeneticsoncology.org/Genes/SRSF1ID47631ch17q22.html) |
| SFRS3 (Alias) | 6p21.31 | [SRSF3](http://atlasgeneticsoncology.org/Genes/SRSF3ID42279ch6p21.html) |
| SG2NA (Alias) | 2p22.2 | [STRN](http://atlasgeneticsoncology.org/Genes/STRNID44243ch2p22.html) |
| [SGK1](http://atlasgeneticsoncology.org/Genes/SGK1ID42281ch6q23.html) | 6q23.2 | SGK1 (serum/glucocorticoid regulated kinase 1) |
|  |  |  |
| SGK (Alias) | 6q23.2 | [SGK1](http://atlasgeneticsoncology.org/Genes/SGK1ID42281ch6q23.html) |
| SGN2 (Alias) | 15q21.1 | [COPS2](http://atlasgeneticsoncology.org/Genes/COPS2ID47362ch15q21.html) |
| Sgo1 (Alias) | 3p24.3 | [SGOL1](http://atlasgeneticsoncology.org/Genes/SGOL1ID50710ch3p24.html) |
| SGO (Alias) | 3p24.3 | [SGOL1](http://atlasgeneticsoncology.org/Genes/SGOL1ID50710ch3p24.html) |
| [SGOL1](http://atlasgeneticsoncology.org/Genes/SGOL1ID50710ch3p24.html) | 3p24.3 | SGOL1 (shugoshin-like 1 (S. pombe)) |
|  |  |  |
| SGP-2 (Alias) | 8p21.1 | [CLU](http://atlasgeneticsoncology.org/Genes/CLUID40107ch8p21.html) |
| SGP2 (Alias) | 8p21.1 | [CLU](http://atlasgeneticsoncology.org/Genes/CLUID40107ch8p21.html) |
| SGRF (Alias) | 12q13.3 | [IL23A](http://atlasgeneticsoncology.org/Genes/IL23AID44517ch12q13.html) |
| SH3D2A (Alias) | 9p22.2 | [SH3GL2](http://atlasgeneticsoncology.org/Genes/SH3GL2ID44345ch9p22.html) |
| SH3D6A (Alias) | 6q24.3 | [SASH1](http://atlasgeneticsoncology.org/Genes/SASH1ID43799ch6q24.html) |
| [SH3GL1](http://atlasgeneticsoncology.org/Genes/EENID8.html) | 19p13.3 | SH3GL1 (extra eleven nineteen leukemia fusion gene) |
|  |  |  |
| [SH3GL2](http://atlasgeneticsoncology.org/Genes/SH3GL2ID44345ch9p22.html) | 9p22.2 | SH3GL2 (SH3-domain GRB2-like 2) |
|  |  |  |
| SH3P4 (Alias) | 9p22.2 | [SH3GL2](http://atlasgeneticsoncology.org/Genes/SH3GL2ID44345ch9p22.html) |
| SH3P9 (Alias) | 2q14.3 | [BIN1](http://atlasgeneticsoncology.org/Genes/BIN1ID794ch2q14.html) |
| [SHBG](http://atlasgeneticsoncology.org/Genes/SHBGID42286ch17p13.html) | 17p13.1 | SHBG (sex hormone-binding globulin) |
|  |  |  |
| [SHC1](http://atlasgeneticsoncology.org/Genes/SHC1ID42287ch1q21.html) | 1q21.3 | SHC1 (SHC (Src homology 2 domain containing) transforming protein 1) |
|  |  |  |
| [SHC4](http://atlasgeneticsoncology.org/Genes/SHC4ID44503ch15q21.html) | 15q21.1 | SHC4 (SHC (Src homology 2 domain containing) family, member 4) |
|  |  |  |
| SHCA (Alias) | 1q21.3 | [SHC1](http://atlasgeneticsoncology.org/Genes/SHC1ID42287ch1q21.html) |
| SHC (Alias) | 1q21.3 | [SHC1](http://atlasgeneticsoncology.org/Genes/SHC1ID42287ch1q21.html) |
| SHCD (Alias) | 15q21.1 | [SHC4](http://atlasgeneticsoncology.org/Genes/SHC4ID44503ch15q21.html) |
| SHEP3 (Alias) | 11q14.3 | [TYR](http://atlasgeneticsoncology.org/Genes/TYRID42738ch11q14.html) |
| SHFM1D (Alias) | 7q21.3 | [DLX5](http://atlasgeneticsoncology.org/Genes/DLX5ID44295ch7q21.html) |
| SHFM4 (Alias) | 3q28 | [TP63](http://atlasgeneticsoncology.org/Genes/TP63ID365ch3q27.html) |
| [SHH](http://atlasgeneticsoncology.org/Genes/SHHID378.html) | 7q36.3 | SHH (Sonic hedgehog) |
|  |  |  |
| SHIP-2 (Alias) | 11q13.4 | [INPPL1](http://atlasgeneticsoncology.org/Genes/INPPL1ID40984ch11q13.html) |
| SHIP2 (Alias) | 11q13.4 | [INPPL1](http://atlasgeneticsoncology.org/Genes/INPPL1ID40984ch11q13.html) |
| SHP-1 (Alias) |  | [PTPN6](http://atlasgeneticsoncology.org/Genes/PTPN6ID41920ch12p13.html) |
| SHP1 (Alias) |  | [PTPN6](http://atlasgeneticsoncology.org/Genes/PTPN6ID41920ch12p13.html) |
| SHP-1L (Alias) |  | [PTPN6](http://atlasgeneticsoncology.org/Genes/PTPN6ID41920ch12p13.html) |
| SHP-2 (Alias) | 12q24.13 | [PTPN11](http://atlasgeneticsoncology.org/Genes/PTPN11ID41910ch12q24.html) |
| SH-PTP1 (Alias) |  | [PTPN6](http://atlasgeneticsoncology.org/Genes/PTPN6ID41920ch12p13.html) |
| SH-PTP2 (Src homology 2 domain-containing protein tyrosine phosphatase, 2) (Alias) | 12q24.13 | [PTPN11](http://atlasgeneticsoncology.org/Genes/PTPN11ID41910ch12q24.html) |
| SIAH1A (Alias) | 16q12.1 | [SIAH1](http://atlasgeneticsoncology.org/Genes/SIAH1ID457ch16q12.html) |
| [SIAH1](http://atlasgeneticsoncology.org/Genes/SIAH1ID457ch16q12.html) | 16q12.1 | SIAH1 (siah E3 ubiquitin protein ligase 1) |
|  |  |  |
| [SIAH2](http://atlasgeneticsoncology.org/Genes/SIAH2ID46199ch3q25.html) | 3q25.1 | SIAH2 (seven in absentia homolog 2 (Drosophila)) |
|  |  |  |
| SIAL3 (Alias) | 11q13.4 | [NEU3](http://atlasgeneticsoncology.org/Genes/NEU3ID44505ch11q13.html) |
| SIAT7A (Alias) | 17q25.1 | [ST6GALNAC1](http://atlasgeneticsoncology.org/Genes/ST6GALNAC1ID44087ch17q25.html) |
| SIC-1 (Alias) | 11q24.3 | [FLI1](http://atlasgeneticsoncology.org/Genes/FLI1ID79ch11q24.html) |
| SID1669 (Alias) | 1p32.3 | [RNF11](http://atlasgeneticsoncology.org/Genes/RNF11ID44143ch1p32.html) |
| SIL (Alias) | 1p33 | [STIL](http://atlasgeneticsoncology.org/Genes/SILID524ch1p32.html) |
| SIMA135 (Alias) | 3p21.31 | [CDCP1](http://atlasgeneticsoncology.org/Genes/CDCP1ID40016ch3p21.html) |
| SIMRP7 (Alias) | 6p21.1 | [ABCC10](http://atlasgeneticsoncology.org/Genes/ABCC10ID47655ch6p21.html) |
| Sine oculis (Drosophila homolog) (Alias) | 14q23.1 | [SIX1](http://atlasgeneticsoncology.org/Genes/SIX1ID42302ch14q23.html) |
| [SIPA1](http://atlasgeneticsoncology.org/Genes/SIPA1ID46282ch11q13.html) | 11q13.1 | SIPA1 (signal-induced proliferation-associated 1) |
|  |  |  |
| SIP (Alias) | 8q22.1 | [TP53INP1](http://atlasgeneticsoncology.org/Genes/TP53INP1ID42672ch8q22.html) |
| SIR2alpha (Alias) | 10q21.3 | [SIRT1](http://atlasgeneticsoncology.org/Genes/SIRT1ID44006ch10q21.html) |
| SIR2L1 (Alias) | 10q21.3 | [SIRT1](http://atlasgeneticsoncology.org/Genes/SIRT1ID44006ch10q21.html) |
| [SIRT1](http://atlasgeneticsoncology.org/Genes/SIRT1ID44006ch10q21.html) | 10q21.3 | SIRT1 (sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae)) |
|  |  |  |
| Siva-1 (Alias) | 14q32.33 | [SIVA1](http://atlasgeneticsoncology.org/Genes/SIVA1ID42301ch14q32.html) |
| [SIVA1](http://atlasgeneticsoncology.org/Genes/SIVA1ID42301ch14q32.html) | 14q32.33 | SIVA1 (SIVA1, Apoptosis-Inducing Factor) |
|  |  |  |
| Siva-2 (Alias) | 14q32.33 | [SIVA1](http://atlasgeneticsoncology.org/Genes/SIVA1ID42301ch14q32.html) |
| SIVA (Alias) | 14q32.33 | [SIVA1](http://atlasgeneticsoncology.org/Genes/SIVA1ID42301ch14q32.html) |
| [SIX1](http://atlasgeneticsoncology.org/Genes/SIX1ID42302ch14q23.html) | 14q23.1 | SIX1 (sine oculis homeobox homolog 1) (mammalian) |
|  |  |  |
| SJA (Alias) | 1p36.12 | [HSPG2](http://atlasgeneticsoncology.org/Genes/HSPG2ID40890ch1p36.html) |
| SJS1 (Alias) | 1p36.12 | [HSPG2](http://atlasgeneticsoncology.org/Genes/HSPG2ID40890ch1p36.html) |
| SJS2 (Alias) | 5p13.1 | [LIFR](http://atlasgeneticsoncology.org/Genes/LIFRID410ch5p13.html) |
| SJS (Alias) | 1p36.12 | [HSPG2](http://atlasgeneticsoncology.org/Genes/HSPG2ID40890ch1p36.html) |
| SK (Alias) | 10q21.1 | [DKK1](http://atlasgeneticsoncology.org/Genes/DKK1ID44007ch10q11.html) |
| Skeletrophin (Alias) | 1p36.33 | [MIB2](http://atlasgeneticsoncology.org/Genes/MIB2ID44179ch1p36.html) |
| SKR1 (Alias) | 2q24.1 | [ACVR1](http://atlasgeneticsoncology.org/Genes/ACVR1ID564ch2q24.html) |
| SKR3 (Alias) | 12q13.13 | [ACVRL1](http://atlasgeneticsoncology.org/Genes/ACVRL1ID569ch12q13.html) |
| SKY (Alias) | 15q15.1 | [TYRO3](http://atlasgeneticsoncology.org/Genes/TYRO3ID42739ch15q15.html) |
| [SLC16A1](http://atlasgeneticsoncology.org/Genes/SLC16A1ID44046ch1p13.html) | 1p13.2 | SLC16A1 (solute carrier family 16, member 1 (monocarboxylic acid transporter 1)) |
|  |  |  |
| [SLC16A3](http://atlasgeneticsoncology.org/Genes/SLC16A3ID44573ch17q25.html) | 17q25.3 | SLC16A3 (solute carrier family 16, member 3 (monocarboxylic acid transporter 4)) |
|  |  |  |
| [SLC19A3](http://atlasgeneticsoncology.org/Genes/SLC19A3ID45635ch2q36.html) | 2q36.3 | SLC19A3 (solute carrier family 19 (thiamine transporter), member 3) |
|  |  |  |
| [SLC1A5](http://atlasgeneticsoncology.org/Genes/SLC1A5ID42313ch19q13.html) | 19q13.32 | SLC1A5 (solute carrier family 1 (neutral amino acid transporter), member 5) |
|  |  |  |
| [SLC39A1](http://atlasgeneticsoncology.org/Genes/SLC39A1ID46571ch1q21.html) | 1q21.3 | SLC39A1 (solute carrier family 39 (zinc transporter), member 1) |
|  |  |  |
| [SLC39A6](http://atlasgeneticsoncology.org/Genes/SLC39A6ID44189ch18q12.html) | 18q12.2 | SLC39A6 (solute carrier family 39 (zinc transporter), member 6) |
|  |  |  |
| [SLC4A1](http://atlasgeneticsoncology.org/Genes/SLC4A1ID42325ch17q21.html) | 17q21.31 | SLC4A1 (solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)) |
|  |  |  |
| [SLC5A5](http://atlasgeneticsoncology.org/Genes/SLC5A5ID44476ch19p13.html) | 19p13.11 | SLC5A5 (solute carrier family 5 (sodium iodide symporter), member 5) |
|  |  |  |
| [SLC5A8](http://atlasgeneticsoncology.org/Genes/SLC5A8ID44089ch12q23.html) | 12q23.1 | SLC5A8 (solute carrier family 5 member 8) |
|  |  |  |
| SLC6A2 (Alias) | 10p15.1 | [NET1](http://atlasgeneticsoncology.org/Genes/NET1ID41526ch10p15.html) |
| [SLC9A3R1](http://atlasgeneticsoncology.org/Genes/SLC9A3R1ID46023ch17q25.html) | 17q25.1 | SLC9A3R1 (solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1) |
|  |  |  |
| SLIL2 (Alias) | 5q34 | [SLIT3](http://atlasgeneticsoncology.org/Genes/SLIT3ID50515ch5q34.html) |
| SLIL3 (Alias) | 4p15.2 | [SLIT2](http://atlasgeneticsoncology.org/Genes/SLIT2ID42328ch4p15.html) |
| SLIM3 (Alias) | 2q12.1 | [FHL2](http://atlasgeneticsoncology.org/Genes/FHL2ID44092ch2q12.html) |
| SLIT1 (Alias) | 5q34 | [SLIT3](http://atlasgeneticsoncology.org/Genes/SLIT3ID50515ch5q34.html) |
| Slit-2 (Alias) | 4p15.2 | [SLIT2](http://atlasgeneticsoncology.org/Genes/SLIT2ID42328ch4p15.html) |
| [SLIT2](http://atlasgeneticsoncology.org/Genes/SLIT2ID42328ch4p15.html) | 4p15.2 | SLIT2 (slit homolog 2 (Drosophila)) |
|  |  |  |
| Slit-3 (Alias) | 5q34 | [SLIT3](http://atlasgeneticsoncology.org/Genes/SLIT3ID50515ch5q34.html) |
| [SLIT3](http://atlasgeneticsoncology.org/Genes/SLIT3ID50515ch5q34.html) | 5q34 | SLIT3 (slit homolog 3 (Drosophila)) |
|  |  |  |
| SLP-2 (Alias) | 9p13.3 | [STOML2](http://atlasgeneticsoncology.org/Genes/STOML2ID44346ch9p13.html) |
| SLP-65 (Alias) | 10q24.1 | [BLNK](http://atlasgeneticsoncology.org/Genes/BLNKID804ch10q24.html) |
| SLP65 (Alias) | 10q24.1 | [BLNK](http://atlasgeneticsoncology.org/Genes/BLNKID804ch10q24.html) |
| SLUG (Alias) | 8q11.21 | [SNAI2](http://atlasgeneticsoncology.org/Genes/SNAI2ID453.html) |
| SLUGH2 (Alias) | 20q13.13 | [SNAI1](http://atlasgeneticsoncology.org/Genes/SNAI1ID452ch20q13.html) |
| SLUGH (Alias) | 8q11.21 | [SNAI2](http://atlasgeneticsoncology.org/Genes/SNAI2ID453.html) |
| SM-20 (Alias) | 1q42.2 | [EGLN1](http://atlasgeneticsoncology.org/Genes/EGLN1ID44140ch1q42.html) |
| SM20 (Alias) | 1q42.2 | [EGLN1](http://atlasgeneticsoncology.org/Genes/EGLN1ID44140ch1q42.html) |
| SM22 (Alias) | 11q23.3 | [TAGLN](http://atlasgeneticsoncology.org/Genes/TAGLNID46168ch11q23.html) |
| SMAC3 (Alias) | 12q24.31 | [DIABLO](http://atlasgeneticsoncology.org/Genes/DIABLOID42995ch12q24.html) |
| SMAC (Alias) | 12q24.31 | [DIABLO](http://atlasgeneticsoncology.org/Genes/DIABLOID42995ch12q24.html) |
| [SMAD2](http://atlasgeneticsoncology.org/Genes/SMAD2ID370.html) | 18q21.1 | SMAD2 (mothers against decapentaplegic homolog 2 (Drosophila)) |
|  |  |  |
| [SMAD4](http://atlasgeneticsoncology.org/Genes/SMAD4ID371.html) | 18q21.2 | SMAD4 (mothers against decapentaplegic homolog 4 (Drosophila)) |
|  |  |  |
| SMAP-1 (Alias) | 6q13 | [SMAP1](http://atlasgeneticsoncology.org/Genes/SMAP1ID42974ch6q13.html) |
| [SMAP1](http://atlasgeneticsoncology.org/Genes/SMAP1ID42974ch6q13.html) | 6q13 | SMAP1 (stromal membrane-associated protein 1) |
|  |  |  |
| SMAP-3 (Alias) | 12q24.31 | [DENR](http://atlasgeneticsoncology.org/Genes/DENRID40295ch12q24.html) |
| SMAP45 (Alias) | 5q31.3 | [HDAC3](http://atlasgeneticsoncology.org/Genes/HDAC3ID40804ch5q31.html) |
| SMARCA3 (Alias) | 3q24 | [HLTF](http://atlasgeneticsoncology.org/Genes/HLTFID42332ch3q24.html) |
| [SMARCA4](http://atlasgeneticsoncology.org/Genes/SMARCA4ID42333ch19p13.html) | 19p13.2 | SMARCA4 (SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4) |
|  |  |  |
| SMARCA6 (Alias) | 10q23.33 | [HELLS](http://atlasgeneticsoncology.org/Genes/HELLSID40811ch10q23.html) |
| [SMARCB1](http://atlasgeneticsoncology.org/Genes/SMARCB1ID169.html) | 22q11.23 | SMARCB1 (SW1/SNF related, matrix associated, actin dependent regulator of chromatin B1) |
|  |  |  |
| SMARCF1 (Alias) | 1p36.11 | [ARID1A](http://atlasgeneticsoncology.org/Genes/ARID1AID44231ch1p36.html) |
| SMAX1 (Alias) | Xq12 | [AR](http://atlasgeneticsoncology.org/Genes/ARID685chXq12.html) |
| SMCC (Alias) | 11q23.3 | [TAGLN](http://atlasgeneticsoncology.org/Genes/TAGLNID46168ch11q23.html) |
| SMCP-2 (Alias) | 16q21 | [MMP15](http://atlasgeneticsoncology.org/Genes/MMP15ID41392ch16q21.html) |
| SMCT1 (Alias) | 12q23.1 | [SLC5A8](http://atlasgeneticsoncology.org/Genes/SLC5A8ID44089ch12q23.html) |
| SMCT (Alias) | 12q23.1 | [SLC5A8](http://atlasgeneticsoncology.org/Genes/SLC5A8ID44089ch12q23.html) |
| SMN (Alias) | 1p36.11 | [STMN1](http://atlasgeneticsoncology.org/Genes/STMN1ID42443ch1p36.html) |
| SMTPHN (Alias) | 11q13.2 | [AIP](http://atlasgeneticsoncology.org/Genes/AIPID604ch11q13.html) |
| SMUC (Alias) | 11p15.5 | [MUC2](http://atlasgeneticsoncology.org/Genes/MUC2ID41457ch11p15.html) |
| [SMYD2](http://atlasgeneticsoncology.org/Genes/SMYD2ID47098ch1q32.html) | 1q32.3 | SMYD2 (SET and MYND domain containing 2) |
|  |  |  |
| [SMYD3](http://atlasgeneticsoncology.org/Genes/SMYD3ID46100ch1q44.html) | 1q44 | SMYD3 (SET and MYND domain containing 3) |
|  |  |  |
| SNA (Alias) | 20q13.13 | [SNAI1](http://atlasgeneticsoncology.org/Genes/SNAI1ID452ch20q13.html) |
| SNAH (Alias) | 20q13.13 | [SNAI1](http://atlasgeneticsoncology.org/Genes/SNAI1ID452ch20q13.html) |
| [SNAI1](http://atlasgeneticsoncology.org/Genes/SNAI1ID452ch20q13.html) | 20q13.13 | SNAI1 (snail homolog 1 (Drosophila)) |
|  |  |  |
| [SNAI2](http://atlasgeneticsoncology.org/Genes/SNAI2ID453.html) | 8q11.21 | SNAI2 (SNAIL HOMOLOG 2) |
|  |  |  |
| SNAPA (Alias) | 19q13.32 | [NAPA](http://atlasgeneticsoncology.org/Genes/NAPAID44025ch19q13.html) |
| [SNCG](http://atlasgeneticsoncology.org/Genes/SNCGID42343ch10q23.html) | 10q23.2 | SNCG (synuclein, gamma (breast cancer-specific protein 1)) |
|  |  |  |
| SNF2B (Alias) | 19p13.2 | [SMARCA4](http://atlasgeneticsoncology.org/Genes/SMARCA4ID42333ch19p13.html) |
| SNF2-beta (Alias) | 19p13.2 | [SMARCA4](http://atlasgeneticsoncology.org/Genes/SMARCA4ID42333ch19p13.html) |
| SNF2L3 (Alias) | 3q24 | [HLTF](http://atlasgeneticsoncology.org/Genes/HLTFID42332ch3q24.html) |
| SNF2L4 (Alias) | 19p13.2 | [SMARCA4](http://atlasgeneticsoncology.org/Genes/SMARCA4ID42333ch19p13.html) |
| SNF2LB (Alias) | 19p13.2 | [SMARCA4](http://atlasgeneticsoncology.org/Genes/SMARCA4ID42333ch19p13.html) |
| SNF5L1 (Alias) | 22q11.23 | [SMARCB1](http://atlasgeneticsoncology.org/Genes/SMARCB1ID169.html) |
| SNHG2 (Alias) | 1q25.1 | [GAS5](http://atlasgeneticsoncology.org/Genes/GAS5ID50217ch1q25.html) |
| SNL (Alias) | 7p22.1 | [FSCN1](http://atlasgeneticsoncology.org/Genes/FSCN1ID44342ch7p22.html) |
| [SOCS1](http://atlasgeneticsoncology.org/Genes/SOCS1ID42350ch16p13.html) | 16p13.13 | SOCS1 (Suppressor of cytokine signaling 1) |
|  |  |  |
| [SOCS2](http://atlasgeneticsoncology.org/Genes/SOCS2ID44123ch12q21.html) | 12q22 | SOCS2 (suppressor of cytokine signaling 2) |
| SOCS-2, suppressor of cytokine signaling 2 (Alias) | 12q22 | [SOCS2](http://atlasgeneticsoncology.org/Genes/SOCS2ID44123ch12q21.html) |
|  |  |  |
| SOCS-3 (Alias) | 17q25.3 | [SOCS3](http://atlasgeneticsoncology.org/Genes/SOCS3ID44124ch17q25.html) |
| [SOCS3](http://atlasgeneticsoncology.org/Genes/SOCS3ID44124ch17q25.html) | 17q25.3 | SOCS3 (suppressor of cytokine signaling 3) |
|  |  |  |
| SOCS-4 (Alias) | 18q22.2 | [SOCS6](http://atlasgeneticsoncology.org/Genes/SOCS6ID42351ch18q22.html) |
| SOCS4 (Alias) | 18q22.2 | [SOCS6](http://atlasgeneticsoncology.org/Genes/SOCS6ID42351ch18q22.html) |
| SOCS-6 (Alias) | 18q22.2 | [SOCS6](http://atlasgeneticsoncology.org/Genes/SOCS6ID42351ch18q22.html) |
| [SOCS6](http://atlasgeneticsoncology.org/Genes/SOCS6ID42351ch18q22.html) | 18q22.2 | SOCS6 (Suppressor Of Cytokine Signaling 6) |
|  |  |  |
| [SORBS2](http://atlasgeneticsoncology.org/Genes/SORBS2ID693ch4q35.html) | 4q35.1 | SORBS2 (sorbin and SH3 domain containing 2) |
|  |  |  |
| [SOX10](http://atlasgeneticsoncology.org/Genes/SOX10ID43768ch22q13.html) | 22q13.1 | SOX10 (SRY (sex determining region Y)-box 10) |
|  |  |  |
| [SOX11](http://atlasgeneticsoncology.org/Genes/SOX11ID42357ch2p25.html) | 2p25.2 | SOX11 (SRY (sex determining region Y)-box 11) |
|  |  |  |
| [SOX2](http://atlasgeneticsoncology.org/Genes/SOX2ID44064ch3q26.html) | 3q26.33 | SOX2 (SRY (sex determining region Y)-box 2) |
|  |  |  |
| [SOX4](http://atlasgeneticsoncology.org/Genes/SOX4ID42358ch6p22.html) | 6p22.3 | SOX4 (SRY (sex determining region Y)-box 4) |
|  |  |  |
| SP17-1 (Alias) | 11q24.2 | [SPA17](http://atlasgeneticsoncology.org/Genes/SPA17ID42360ch11q24.html) |
| SP17 (Alias) | 11q24.2 | [SPA17](http://atlasgeneticsoncology.org/Genes/SPA17ID42360ch11q24.html) |
| SP-40 (Alias) | 8p21.1 | [CLU](http://atlasgeneticsoncology.org/Genes/CLUID40107ch8p21.html) |
| [SPA17](http://atlasgeneticsoncology.org/Genes/SPA17ID42360ch11q24.html) | 11q24.2 | SPA17 (sperm autoantigenic protein 17) |
|  |  |  |
| SPA1 (Alias) | 11q13.1 | [SIPA1](http://atlasgeneticsoncology.org/Genes/SIPA1ID46282ch11q13.html) |
| SPAG15 (Alias) | 7q31.32 | [SPAM1](http://atlasgeneticsoncology.org/Genes/SPAM1ID42361ch7q31.html) |
| [SPAM1](http://atlasgeneticsoncology.org/Genes/SPAM1ID42361ch7q31.html) | 7q31.32 | SPAM1 (sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding)) |
|  |  |  |
| SPAP (Alias) | 1p33 | [PDZK1IP1](http://atlasgeneticsoncology.org/Genes/PDZK1IP1ID41268ch1p33.html) |
| SPC1 (Alias) | 15q26.1 | [FURIN](http://atlasgeneticsoncology.org/Genes/FURINID40646ch15q26.html) |
| SPC5 (Alias) | 19p13.3 | [PCSK4](http://atlasgeneticsoncology.org/Genes/PCSK4ID50716ch19p13.html) |
| SPC6 (Alias) | 9q21.13 | [PCSK5](http://atlasgeneticsoncology.org/Genes/PCSK5ID52105ch9q21.html) |
| [SPECC1](http://atlasgeneticsoncology.org/Genes/HCMOGT1ID174.html) | 17p11.2 | SPECC1 (sperm antigen HCMOGT-1) |
|  |  |  |
| SPG13 (Alias) | 2q33.1 | [HSPD1](http://atlasgeneticsoncology.org/Genes/HSPD1ID40888ch2q33.html) |
| SPG1 (Alias) | Xq28 | [L1CAM](http://atlasgeneticsoncology.org/Genes/L1CAMID44110chXq28.html) |
| SPG5A (Alias) | 8q12.3 | [CYP7B1](http://atlasgeneticsoncology.org/Genes/CYP7B1ID40255ch8q21.html) |
| SPGF8 (Alias) | 9q33.3 | [NR5A1](http://atlasgeneticsoncology.org/Genes/NR5A1ID45858ch9q33.html) |
| SPI-1 (Alias) | 11p11.2 | [SPI1](http://atlasgeneticsoncology.org/Genes/SPI1ID269.html) |
| [SPI1](http://atlasgeneticsoncology.org/Genes/SPI1ID269.html) | 11p11.2 | SPI1 (spleen focus forming virus (SFFV) proviral integration oncogene spi1) |
|  |  |  |
| [SPINK7](http://atlasgeneticsoncology.org/Genes/SPINK7ID40396ch5q33.html) | 5q32 | SPINK7 (serine peptidase inhibitor, Kazal type 7 (putative)) |
|  |  |  |
| SPINO (Alias) | 17q21.33 | [PPP1R9B](http://atlasgeneticsoncology.org/Genes/PPP1R9BID51558ch17q21.html) |
| [SPINT1](http://atlasgeneticsoncology.org/Genes/SPINT1ID44384ch15q15.html) | 15q15.1 | SPINT1 (serine peptidase inhibitor, Kunitz type 1) |
|  |  |  |
| Spn (Alias) | 17q21.33 | [PPP1R9B](http://atlasgeneticsoncology.org/Genes/PPP1R9BID51558ch17q21.html) |
| SPOT14 (Alias) | 11q14.1 | [THRSP](http://atlasgeneticsoncology.org/Genes/THRSPID42555ch11q14.html) |
| SPP-1 (Alias) | 4q22.1 | [SPP1](http://atlasgeneticsoncology.org/Genes/SPP1ID42379ch4q22.html) |
| [SPP1](http://atlasgeneticsoncology.org/Genes/SPP1ID42379ch4q22.html) | 4q22.1 | SPP1 (secreted phosphoprotein 1) |
|  |  |  |
| [SPRY1](http://atlasgeneticsoncology.org/Genes/SPRY1ID51064ch4q28.html) | 4q28.1 | SPRY1 (Sprouty Homolog 1, Antagonist Of FGF Signaling (Drosophila)) |
|  |  |  |
| SP (Spasmolytic Polypeptide) (Alias) | 21q22.3 | [TFF2](http://atlasgeneticsoncology.org/Genes/TFF2ID264.html) |
| SR-A1 (Alias) | 19q13.33 | [SCAF1](http://atlasgeneticsoncology.org/Genes/SCAF1ID46074ch19q13.html) |
| SRA1 (Alias) | 19q13.33 | [SCAF1](http://atlasgeneticsoncology.org/Genes/SCAF1ID46074ch19q13.html) |
| SRC1 (Alias) | 20q11.23 | [SRC](http://atlasgeneticsoncology.org/Genes/SRCID448ch20q11.html) |
| SRC3 (steroid receptor coactivator protein 3) (Alias) | 20q13.12 | [NCOA3](http://atlasgeneticsoncology.org/Genes/NCOA3ID505ch20q13.html) |
| [SRC](http://atlasgeneticsoncology.org/Genes/SRCID448ch20q11.html) | 20q11.23 | SRC (v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)) |
|  |  |  |
| [SRD5A2](http://atlasgeneticsoncology.org/Genes/SRD5A2ID42385ch2p23.html) | 2p23.1 | SRD5A2 (steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)) |
|  |  |  |
| SRG (Alias) | 1p36.22 | [CASZ1](http://atlasgeneticsoncology.org/Genes/CASZ1ID45989ch1p36.html) |
| SRp20 (Alias) | 6p21.31 | [SRSF3](http://atlasgeneticsoncology.org/Genes/SRSF3ID42279ch6p21.html) |
| SRP27 (Alias) | 7q11.23 | [HSPB1](http://atlasgeneticsoncology.org/Genes/HSPB1ID40880ch7q11.html) |
| SRp30a (Alias) | 17q22 | [SRSF1](http://atlasgeneticsoncology.org/Genes/SRSF1ID47631ch17q22.html) |
| [SRSF1](http://atlasgeneticsoncology.org/Genes/SRSF1ID47631ch17q22.html) | 17q22 | SRSF1 (serine/arginine-rich splicing factor 1) |
|  |  |  |
| [SRSF3](http://atlasgeneticsoncology.org/Genes/SRSF3ID42279ch6p21.html) | 6p21.31 | SRSF3 (serine/arginine-rich splicing factor 3) |
|  |  |  |
| SRX1 (Alias) | 20p13 | [SRXN1](http://atlasgeneticsoncology.org/Genes/SRXN1ID52295ch20p13.html) |
| [SRXN1](http://atlasgeneticsoncology.org/Genes/SRXN1ID52295ch20p13.html) | 20p13 | SRXN1 (sulfiredoxin 1) |
|  |  |  |
| SRXY2 (Alias) | Xp21.2 | [NR0B1](http://atlasgeneticsoncology.org/Genes/NR0B1ID44131chXp21.html) |
| SRXY3 (Alias) | 9q33.3 | [NR5A1](http://atlasgeneticsoncology.org/Genes/NR5A1ID45858ch9q33.html) |
| [SS18](http://atlasgeneticsoncology.org/Genes/SS18ID84ch18q11.html) | 18q11.2 | SS18 (synovial sarcoma translocation, chromosome 18) |
| [SS18L1](http://atlasgeneticsoncology.org/Genes/SS18L1ID474ch20q13.html) | 20q13.33 | SS18L1 (synovial sarcoma translocation gene on chromosome 18-like 1) |
|  |  |  |
| [SS18](http://atlasgeneticsoncology.org/Genes/SS18ID84ch18q11.html) | 18q11.2 | SS18 (synovial sarcoma translocation, chromosome 18) |
| SSeCKS (Alias) | 6q25.1 | [AKAP12](http://atlasgeneticsoncology.org/Genes/AKAP12ID607ch6q25.html) |
| SSH3BP1 (Alias) | 10p12.1 | [ABI1](http://atlasgeneticsoncology.org/Genes/ABI1ID233.html) |
| SSI-1 (Alias) | 16p13.13 | [SOCS1](http://atlasgeneticsoncology.org/Genes/SOCS1ID42350ch16p13.html) |
| SSI1 (STAT-induced STAT inhibitor) (Alias) | 16p13.13 | [SOCS1](http://atlasgeneticsoncology.org/Genes/SOCS1ID42350ch16p13.html) |
| SSI2 (Alias) | 12q22 | [SOCS2](http://atlasgeneticsoncology.org/Genes/SOCS2ID44123ch12q21.html) |
| SSI-2, suppressor of cytokine signaling-2 (Alias) | 12q22 | [SOCS2](http://atlasgeneticsoncology.org/Genes/SOCS2ID44123ch12q21.html) |
| SSI-3 (Alias) | 17q25.3 | [SOCS3](http://atlasgeneticsoncology.org/Genes/SOCS3ID44124ch17q25.html) |
| SSI3 (Alias) | 17q25.3 | [SOCS3](http://atlasgeneticsoncology.org/Genes/SOCS3ID44124ch17q25.html) |
| SSI4 (Alias) | 18q22.2 | [SOCS6](http://atlasgeneticsoncology.org/Genes/SOCS6ID42351ch18q22.html) |
| SSK1 (Alias) | 15q15.1 | [BUB1B](http://atlasgeneticsoncology.org/Genes/BUB1BID854ch15q15.html) |
| SSX2A (Alias) | Xp11.22 | [SSX2](http://atlasgeneticsoncology.org/Genes/SSX2ID42406chXp11.html) |
| SSX2B (Alias) | Xp11.22 | [SSX2](http://atlasgeneticsoncology.org/Genes/SSX2ID42406chXp11.html) |
| [SSX2](http://atlasgeneticsoncology.org/Genes/SSX2ID42406chXp11.html) | Xp11.22 | SSX2 (synovial sarcoma, X breakpoint 2) |
| [SSX2IP](http://atlasgeneticsoncology.org/Genes/SSX2IPID42407ch1p22.html) | 1p22.3 | SSX2IP (synovial sarcoma, X breakpoint 2 interacting protein) |
|  |  |  |
| [SSX2](http://atlasgeneticsoncology.org/Genes/SSX2ID42406chXp11.html) | Xp11.22 | SSX2 (synovial sarcoma, X breakpoint 2) |
| SSX (Alias) | Xp11.22 | [SSX2](http://atlasgeneticsoncology.org/Genes/SSX2ID42406chXp11.html) |
| SSXT (Alias) | 18q11.2 | [SS18](http://atlasgeneticsoncology.org/Genes/SS18ID84ch18q11.html) |
| ST12 (Alias) | 10p15.1 | [KLF6](http://atlasgeneticsoncology.org/Genes/KLF6ID44002ch10p15.html) |
| ST1 (Alias) | 8q12.1 | [SDCBP](http://atlasgeneticsoncology.org/Genes/SDCBPID44377ch8q12.html) |
| ST3 (stromelysin-3) (Alias) | 22q11.23 | [MMP11](http://atlasgeneticsoncology.org/Genes/ST3ID200.html) |
| ST6 (Alias) | 11p11.2 | [CD82](http://atlasgeneticsoncology.org/Genes/CD82ID41045ch11p11.html) |
| [ST6GALNAC1](http://atlasgeneticsoncology.org/Genes/ST6GALNAC1ID44087ch17q25.html) | 17q25.1 | ST6GALNAC1 (ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1) |
|  |  |  |
| ST6GalNAcI (Alias) | 17q25.1 | [ST6GALNAC1](http://atlasgeneticsoncology.org/Genes/ST6GALNAC1ID44087ch17q25.html) |
| [STAG2](http://atlasgeneticsoncology.org/Genes/STAG2ID52377chXq25.html) | Xq25 | STAG2 (Stromal Antigen 2) |
|  |  |  |
| STAI4 (Alias) | 18q22.2 | [SOCS6](http://atlasgeneticsoncology.org/Genes/SOCS6ID42351ch18q22.html) |
| STAMP1 (Alias) | 7q21.13 | [STEAP2](http://atlasgeneticsoncology.org/Genes/STEAP2ID42435ch7q21.html) |
| STAR (Alias) | 12p12.3 | [GUCY2C](http://atlasgeneticsoncology.org/Genes/GUCY2CID43303ch12p13.html) |
| STARD12 (Alias) | 8p22 | [DLC1](http://atlasgeneticsoncology.org/Genes/DLC1ID40328ch8p22.html) |
| [STARD13](http://atlasgeneticsoncology.org/Genes/STARD13ID44051ch13q13.html) | 13q13.1 | STARD13 (StAR-related lipid transfer (START) domain containing 13) |
|  |  |  |
| [STARD3](http://atlasgeneticsoncology.org/Genes/MLN64ID202.html) | 17q12 | STARD3 (START domain containing 3) |
|  |  |  |
| [STAT3](http://atlasgeneticsoncology.org/Genes/STAT3ID444.html) | 17q21.2 | STAT3 (Signal Transducer and Activator of Transcription 3) |
|  |  |  |
| STAT5 (Alias) | 17q21.2 | [STAT5B](http://atlasgeneticsoncology.org/Genes/STAT5BID217ch17q21.html) |
| [STAT5B](http://atlasgeneticsoncology.org/Genes/STAT5BID217ch17q21.html) | 17q21.2 | STAT5B (signal transducer and activator of transcription 5B) |
|  |  |  |
| STATI2 (Alias) | 12q22 | [SOCS2](http://atlasgeneticsoncology.org/Genes/SOCS2ID44123ch12q21.html) |
| STATI4 (Alias) | 18q22.2 | [SOCS6](http://atlasgeneticsoncology.org/Genes/SOCS6ID42351ch18q22.html) |
| [STEAP1](http://atlasgeneticsoncology.org/Genes/STEAP1ID44482ch7q21.html) | 7q21.13 | STEAP1 (Six Transmembrane Epithelial Antigene of the Prostate 1) |
|  |  |  |
| [STEAP2](http://atlasgeneticsoncology.org/Genes/STEAP2ID42435ch7q21.html) | 7q21.13 | STEAP2 (six transmembrane epithelial antigen of the prostate 2) |
|  |  |  |
| STEAP (Alias) | 7q21.13 | [STEAP1](http://atlasgeneticsoncology.org/Genes/STEAP1ID44482ch7q21.html) |
| Stefin-A (Alias) | 3q21.1 | [CSTA](http://atlasgeneticsoncology.org/Genes/CSTAID40180ch3q21.html) |
| Stefin-B (Alias) | 21q22.3 | [CSTB](http://atlasgeneticsoncology.org/Genes/CSTBID40181ch21q22.html) |
| STF1 (Alias) | 3q21.1 | [CSTA](http://atlasgeneticsoncology.org/Genes/CSTAID40180ch3q21.html) |
| STF-1 (Alias) | 13q12.2 | [PDX1](http://atlasgeneticsoncology.org/Genes/PDX1ID43921ch13q12.html) |
| STFA (Alias) | 3q21.1 | [CSTA](http://atlasgeneticsoncology.org/Genes/CSTAID40180ch3q21.html) |
| STFB (Alias) | 21q22.3 | [CSTB](http://atlasgeneticsoncology.org/Genes/CSTBID40181ch21q22.html) |
| [STIL](http://atlasgeneticsoncology.org/Genes/SILID524ch1p32.html) | 1p33 | STIL (SCL/TAL1 interrupting locus) |
|  |  |  |
| [STK11](http://atlasgeneticsoncology.org/Genes/STK11ID292.html) | 19p13.3 | STK11 (serine/threonine kinase 11) |
|  |  |  |
| STK12 (Alias) | 17p13.1 | [AURKB](http://atlasgeneticsoncology.org/Genes/AURKBID731ch17p13.html) |
| STK15 (Alias) | 20q13.2 | [AURKA](http://atlasgeneticsoncology.org/Genes/AURKAID730ch20q13.html) |
| STK1 (Stem cell kinase 1) (Alias) | 13q12.2 | [FLT3](http://atlasgeneticsoncology.org/Genes/FLT3ID144.html) |
| [STK4](http://atlasgeneticsoncology.org/Genes/STK4ID42440ch20q11.html) | 20q13.12 | STK4 (serine/threonine kinase 4) |
|  |  |  |
| STK5 (Alias) | 17p13.1 | [AURKB](http://atlasgeneticsoncology.org/Genes/AURKBID731ch17p13.html) |
| STK6 (Alias) | 20q13.2 | [AURKA](http://atlasgeneticsoncology.org/Genes/AURKAID730ch20q13.html) |
| STK7 (Alias) | 20q13.2 | [AURKA](http://atlasgeneticsoncology.org/Genes/AURKAID730ch20q13.html) |
| STM2 (Alias) | 1q42.13 | [PSEN2](http://atlasgeneticsoncology.org/Genes/PSEN2ID41883ch1q42.html) |
| [STMN1](http://atlasgeneticsoncology.org/Genes/STMN1ID42443ch1p36.html) | 1p36.11 | STMN1 (stathmin 1) |
|  |  |  |
| STMP (Alias) | 7q21.13 | [STEAP2](http://atlasgeneticsoncology.org/Genes/STEAP2ID42435ch7q21.html) |
| STN (Alias) | 20q13.33 | [EEF1A2](http://atlasgeneticsoncology.org/Genes/EEF1A2ID40408ch20q13.html) |
| [STOML2](http://atlasgeneticsoncology.org/Genes/STOML2ID44346ch9p13.html) | 9p13.3 | STOML2 (stomatin (EPB72)-like 2) |
|  |  |  |
| STPK13 (SERINE/THREONINE PROTEIN KINASE 13) (Alias) | 16p12.2 | [PLK1](http://atlasgeneticsoncology.org/Genes/PLK1ID41747ch16p12.html) |
| Stress-activated protein kinase 1 (SAPK1) (Alias) | 10q11.22 | [MAPK8](http://atlasgeneticsoncology.org/Genes/JNK1ID196.html) |
| Stress-activated protein kinase 2 (SAPK2) (Alias) | 5q35.3 | [MAPK9](http://atlasgeneticsoncology.org/Genes/JNK2ID426.html) |
| Stress-activated protein kinase 3 (SAPK3) (Alias) | 4q21.3 | [MAPK10](http://atlasgeneticsoncology.org/Genes/JNK3ID427.html) |
| [STRN](http://atlasgeneticsoncology.org/Genes/STRNID44243ch2p22.html) | 2p22.2 | STRN (striatin, calmodulin binding protein) |
|  |  |  |
| STWS (Alias) | 5p13.1 | [LIFR](http://atlasgeneticsoncology.org/Genes/LIFRID410ch5p13.html) |
| SULF-1 (Alias) | 8q13.2 | [SULF1](http://atlasgeneticsoncology.org/Genes/SULF1ID44378ch8q13.html) |
| [SULF1](http://atlasgeneticsoncology.org/Genes/SULF1ID44378ch8q13.html) | 8q13.2 | SULF1 (sulfatase 1) |
|  |  |  |
| [SULF2](http://atlasgeneticsoncology.org/Genes/SULF2ID43735ch20q13.html) | 20q13.12 | SULF2 (sulfatase 2) |
|  |  |  |
| [SUZ12](http://atlasgeneticsoncology.org/Genes/JJAZ1ID41039ch17q11.html) | 17q11.2 | SUZ12 (joined to JAZF1) |
|  |  |  |
| SW (Alias) | 17q21.31 | [SLC4A1](http://atlasgeneticsoncology.org/Genes/SLC4A1ID42325ch17q21.html) |
| SWI2 (Alias) | 19p13.2 | [SMARCA4](http://atlasgeneticsoncology.org/Genes/SMARCA4ID42333ch19p13.html) |
| SWS (Alias) | 5p13.1 | [LIFR](http://atlasgeneticsoncology.org/Genes/LIFRID410ch5p13.html) |
| SYCL (Alias) | 8q12.1 | [SDCBP](http://atlasgeneticsoncology.org/Genes/SDCBPID44377ch8q12.html) |
| [SYK](http://atlasgeneticsoncology.org/Genes/SYKID394.html) | 9q22.2 | SYK (spleen tyrosine kinase) |
|  |  |  |
| SYLD (Alias) | 14q11.2 | [NDRG2](http://atlasgeneticsoncology.org/Genes/NDRG2ID41513ch14q11.html) |
| Syncytin-1 (Alias) | - | [ERVW-1](http://atlasgeneticsoncology.org/Genes/ERVWE1ID40497ch7q21.html) |
| Syncytin (Alias) | - | [ERVW-1](http://atlasgeneticsoncology.org/Genes/ERVWE1ID40497ch7q21.html) |
| SYND1 (Alias) | 2p24.1 | [SDC1](http://atlasgeneticsoncology.org/Genes/SDC1ID42223ch2p24.html) |
| Syndecan (Alias) | 2p24.1 | [SDC1](http://atlasgeneticsoncology.org/Genes/SDC1ID42223ch2p24.html) |
| Synoretin (Alias) | 10q23.2 | [SNCG](http://atlasgeneticsoncology.org/Genes/SNCGID42343ch10q23.html) |
| [SYNPO2](http://atlasgeneticsoncology.org/Genes/SYNPO2ID488.html) | 4q26 | SYNPO2 (synaptopodin 2) |
|  |  |  |
| SYT (Alias) | 18q11.2 | [SS18](http://atlasgeneticsoncology.org/Genes/SS18ID84ch18q11.html) |
| SYT homolog 1 (Alias) | 20q13.33 | [SS18L1](http://atlasgeneticsoncology.org/Genes/SS18L1ID474ch20q13.html) |

|  |  |  |
| --- | --- | --- |
| UbcH10 (Alias) | 20q13.12 | [UBE2C](http://atlasgeneticsoncology.org/Genes/UBE2CID44079ch20q13.html) |
| UBCH10 (Alias) | 20q13.12 | [UBE2C](http://atlasgeneticsoncology.org/Genes/UBE2CID44079ch20q13.html) |
| UBD-3 (Alias) | 6p22.1 | [UBD](http://atlasgeneticsoncology.org/Genes/UBDID43742ch6p22.html) |
| [UBD](http://atlasgeneticsoncology.org/Genes/UBDID43742ch6p22.html) | 6p22.1 | UBD (ubiquitin D) |
|  |  |  |
| [UBE2C](http://atlasgeneticsoncology.org/Genes/UBE2CID44079ch20q13.html) | 20q13.12 | UBE2C (ubiquitin-conjugating enzyme E2C) |
| UBE2C-PEN (Alias) | 20q13.12 | [UBE2C](http://atlasgeneticsoncology.org/Genes/UBE2CID44079ch20q13.html) |
|  |  |  |
| [UBE3A](http://atlasgeneticsoncology.org/Genes/UBE3AID42756ch15q11.html) | 15q11.2 | UBE3A (ubiquitin protein ligase E3A) |
|  |  |  |
| UBP (Alias) | 1p31.3 | [USP1](http://atlasgeneticsoncology.org/Genes/USP1ID43072ch1p31.html) |
| UBR6 (Alias) | 2p16.3 | [FBXO11](http://atlasgeneticsoncology.org/Genes/FBXO11ID52605ch2p16.html) |
| UCHL2 (Alias) | 3p21.1 | [BAP1](http://atlasgeneticsoncology.org/Genes/BAP1ID755ch3p21.html) |
| UEF (Alias) | 1q23.3 | [USF1](http://atlasgeneticsoncology.org/Genes/USF1ID45856ch1q23.html) |
| UFO (Alias) | 19q13.2 | [AXL](http://atlasgeneticsoncology.org/Genes/AXLID733ch19q13.html) |
| UKVH5d (Alias) | 2p24.3 | [DDX1](http://atlasgeneticsoncology.org/Genes/DDX1ID40283ch2p24.html) |
| ULG5 (Alias) | 2p16.3 | [LHCGR](http://atlasgeneticsoncology.org/Genes/LHRID288.html) |
| UMS (Alias) | 12q24.1 | [TBX3](http://atlasgeneticsoncology.org/Genes/TBX3ID42486ch12q24.html) |
| Unph-2 (Alias) | 12q14.1 | [USP15](http://atlasgeneticsoncology.org/Genes/USP15ID44585ch12q14.html) |
| UNPH4 (Alias) | 12q14.1 | [USP15](http://atlasgeneticsoncology.org/Genes/USP15ID44585ch12q14.html) |
| UNQ2561 (Alias) | 19q13.12 | [FXYD5](http://atlasgeneticsoncology.org/Genes/FXYD5ID40652ch19q13.html) |
| UNQ362 (Alias) | 13q14.3 | [OLFM4](http://atlasgeneticsoncology.org/Genes/OLFM4ID49730ch13q14.html) |
| UNQ473 (Alias) | 19q13.2 | [CXCL17](http://atlasgeneticsoncology.org/Genes/CXCL17ID47679ch19q13.html) |
| UP50 (Alias) | 14q32.12 | [FBLN5](http://atlasgeneticsoncology.org/Genes/FBLN5ID46779ch14q32.html) |
| UPAR (Alias) | 19q13.31 | [PLAUR](http://atlasgeneticsoncology.org/Genes/PLAURID41741ch19q13.html) |
| URKR (Alias) | 19q13.31 | [PLAUR](http://atlasgeneticsoncology.org/Genes/PLAURID41741ch19q13.html) |
| Uropontin (Alias) | 4q22.1 | [SPP1](http://atlasgeneticsoncology.org/Genes/SPP1ID42379ch4q22.html) |
| [USB1](http://atlasgeneticsoncology.org/Genes/USB1ID44608ch16q21.html) | 16q21 | USB1 (U6 snRNA biogenesis 1) |
|  |  |  |
| [USF1](http://atlasgeneticsoncology.org/Genes/USF1ID45856ch1q23.html) | 1q23.3 | USF1 (upstream transcription factor 1) |
|  |  |  |
| USP10 (Alias) | 17q23.1 | [USP32](http://atlasgeneticsoncology.org/Genes/USP32ID52046ch17q23.html) |
| [USP15](http://atlasgeneticsoncology.org/Genes/USP15ID44585ch12q14.html) | 12q14.1 | USP15 (ubiquitin specific peptidase 15) |
|  |  |  |
| [USP1](http://atlasgeneticsoncology.org/Genes/USP1ID43072ch1p31.html) | 1p31.3 | USP1 (ubiquitin specific peptidase 1) |
|  |  |  |
| [USP32](http://atlasgeneticsoncology.org/Genes/USP32ID52046ch17q23.html) | 17q23.1 | USP32 (ubiquitin specific peptidase 32) |
|  |  |  |
| [USP6](http://atlasgeneticsoncology.org/Genes/USP6ID530ch17p13.html) | 17p13.2 | USP6 (ubiquitin specific protease 6 (Tre-2 oncogene)) |
|  |  |  |
| [USP7](http://atlasgeneticsoncology.org/Genes/USP7ID42773ch16p13.html) | 16p13.2 | USP7 (ubiquitin specific peptidase 7 (herpes virus-associated)) |
|  |  |  |
| USPL2 (Alias) | 16q12.1 | [CYLD](http://atlasgeneticsoncology.org/Genes/CYLDID40232ch16q12.html) |
| USURPIN (Alias) | 2q33.1 | [CFLAR](http://atlasgeneticsoncology.org/Genes/CFLARID40065ch2q33.html) |
| UV-DDB (Alias) | 11p11.2 | [DDB2](http://atlasgeneticsoncology.org/Genes/XPEID298.html) |
| UVO (Alias) | 16q22.1 | [CDH1](http://atlasgeneticsoncology.org/Genes/CDH1ID166ch16q22.html) |
| Uvomorulin (Alias) | 16q22.1 | [CDH1](http://atlasgeneticsoncology.org/Genes/CDH1ID166ch16q22.html) |

|  |  |  |
| --- | --- | --- |
| Vaccinia-related kinase 1 (Alias) | 14q32.2 | [VRK1](http://atlasgeneticsoncology.org/Genes/VRK1ID43556ch14q32.html) |
| [VAV1](http://atlasgeneticsoncology.org/Genes/VAV1ID195ch19p13.html) | 19p13.3 | VAV1 (vav 1 oncogene) |
|  |  |  |
| [VAV3](http://atlasgeneticsoncology.org/Genes/VAV3ID42782ch1p13.html) | 1p13.3 | VAV3 (vav 3 guanine nucleotide exchange factor) |
|  |  |  |
| VAV (Alias) | 19p13.3 | [VAV1](http://atlasgeneticsoncology.org/Genes/VAV1ID195ch19p13.html) |
| VBCH2 (Alias) | 11q13.2 | [LRP5](http://atlasgeneticsoncology.org/Genes/LRP5ID44282ch11q13.html) |
| [VCAN](http://atlasgeneticsoncology.org/Genes/VCANID40173ch5q14.html) | 5q14.2 | VCAN (versican) |
|  |  |  |
| VCC-1 (Alias) | 19q13.2 | [CXCL17](http://atlasgeneticsoncology.org/Genes/CXCL17ID47679ch19q13.html) |
| VCC1 (Alias) | 19q13.2 | [CXCL17](http://atlasgeneticsoncology.org/Genes/CXCL17ID47679ch19q13.html) |
| [VCP](http://atlasgeneticsoncology.org/Genes/VCPID42786ch9p13.html) | 9p13.3 | VCP (valosin containing protein) |
|  |  |  |
| VDAC-1 (Alias) | 5q31.1 | [VDAC1](http://atlasgeneticsoncology.org/Genes/VDAC1ID50902ch5q31.html) |
| [VDAC1](http://atlasgeneticsoncology.org/Genes/VDAC1ID50902ch5q31.html) | 5q31.1 | VDAC1 (voltage-dependent anion channel 1) |
|  |  |  |
| VEGF-D (Alias) | Xp22.2 | [FIGF](http://atlasgeneticsoncology.org/Genes/FIGFID40574chXp22.html) |
| VEGFD (Alias) | Xp22.2 | [FIGF](http://atlasgeneticsoncology.org/Genes/FIGFID40574chXp22.html) |
| VEGI192A (Alias) | 9q32 | [TNFSF15](http://atlasgeneticsoncology.org/Genes/TNFSF15ID42638ch9q32.html) |
| VEGI (Alias) | 9q32 | [TNFSF15](http://atlasgeneticsoncology.org/Genes/TNFSF15ID42638ch9q32.html) |
| VF (Alias) | 7q22.3 | [NAMPT](http://atlasgeneticsoncology.org/Genes/NAMPTID43890ch7q22.html) |
| [VHL](http://atlasgeneticsoncology.org/Genes/VHLID132.html) | 3p25.3 | VHL (von Hippel-Lindau tumor suppressor) |
|  |  |  |
| VICKZ1 (Alias) | 17q21.32 | [IGF2BP1](http://atlasgeneticsoncology.org/Genes/IGF2BP1ID40969ch17q21.html) |
| VIP21 (Alias) | 7q31.2 | [CAV1](http://atlasgeneticsoncology.org/Genes/CAV1ID932ch7q31.html) |
| [VIP](http://atlasgeneticsoncology.org/Genes/VIPID44215ch6q25.html) | 6q25.2 | VIP (vasoactive intestinal peptide) |
|  |  |  |
| VISFATIN (Alias) | 7q22.3 | [NAMPT](http://atlasgeneticsoncology.org/Genes/NAMPTID43890ch7q22.html) |
| VIT1 (Alias) | 2p16.3 | [FBXO11](http://atlasgeneticsoncology.org/Genes/FBXO11ID52605ch2p16.html) |
| VLA-6 (Alias) | 2q31.1 | [ITGA6](http://atlasgeneticsoncology.org/Genes/ITGA6ID41007ch2q31.html) |
| VMCM1 (Alias) | 9p21.2 | [TEK](http://atlasgeneticsoncology.org/Genes/TEKID42517ch9p21.html) |
| VMCM (Alias) | 9p21.2 | [TEK](http://atlasgeneticsoncology.org/Genes/TEKID42517ch9p21.html) |
| [VMP1](http://atlasgeneticsoncology.org/Genes/VMP1ID50079ch17q23.html) | 17q23.1 | VMP1 (vacuole membrane protein 1) |
|  |  |  |
| VR1 (Alias) | 17p13.2 | [TRPV1](http://atlasgeneticsoncology.org/Genes/TRPV1ID50368ch17p13.html) |
| VRK-1 (Alias) | 14q32.2 | [VRK1](http://atlasgeneticsoncology.org/Genes/VRK1ID43556ch14q32.html) |
| [VRK1](http://atlasgeneticsoncology.org/Genes/VRK1ID43556ch14q32.html) | 14q32.2 | VRK1 (Vaccinia-related kinase 1) |
|  |  |  |
| [VRK2](http://atlasgeneticsoncology.org/Genes/VRK2ID42799ch2p16.html) | 2p16.1 | VRK2 (vaccinia related kinase 2) |
|  |  |  |
| VRL-1 (Alias) | 17p11.2 | [TRPV2](http://atlasgeneticsoncology.org/Genes/TRPV2ID45817ch17p11.html) |
| VRL1 (Alias) | 17p11.2 | [TRPV2](http://atlasgeneticsoncology.org/Genes/TRPV2ID45817ch17p11.html) |
| VRL (Alias) | 17p11.2 | [TRPV2](http://atlasgeneticsoncology.org/Genes/TRPV2ID45817ch17p11.html) |
| V-sis platelet-derived growth factor beta (simian sarcoma viral oncogene homolog) (Alias) | 22q13.1 | [PDGFB](http://atlasgeneticsoncology.org/Genes/PDGFBID155.html) |
| [VTCN1](http://atlasgeneticsoncology.org/Genes/VTCN1ID44144ch1p13.html) | 1p13.1 | VTCN1 (V-set domain containing T cell activation inhibitor 1) |
|  |  |  |
| VZG1 (Alias) | 9q31.3 | [LPAR1](http://atlasgeneticsoncology.org/Genes/LPAR1ID40405ch9q31.html) |

|  |  |  |
| --- | --- | --- |
| WAF1 (Wild type p53 activated protein-1) (Alias) | 6p21.2 | [CDKN1A](http://atlasgeneticsoncology.org/Genes/CDKN1AID139.html) |
| WAGR (Alias) | 11p13 | [PAX6](http://atlasgeneticsoncology.org/Genes/PAX6ID211ch11p13.html) |
| WAMTP1 (Alias) | 19p13.11 | [CRTC1](http://atlasgeneticsoncology.org/Genes/CRTC1ID471ch19p13.html) |
| WARTS (Alias) | 6q25.1 | [LATS1](http://atlasgeneticsoncology.org/Genes/LATS1ID41127ch6q25.html) |
| [WAS](http://atlasgeneticsoncology.org/Genes/WASID42801chXp11.html) | Xp11.23 | WAS (Wiskott-Aldrich syndrome) |
| WASP (Alias) | Xp11.23 | [WAS](http://atlasgeneticsoncology.org/Genes/WASID42801chXp11.html) |
|  |  |  |
| WBSCR8 (Williams-Beuren syndrome chromosome region 8 protein) (Alias) | 7q11.23 | [CLDN4](http://atlasgeneticsoncology.org/Genes/CLDN4ID42975ch7q11.html) |
| WD1 (Alias) | 17q21.31 | [SLC4A1](http://atlasgeneticsoncology.org/Genes/SLC4A1ID42325ch17q21.html) |
| WD (Alias) | 17q21.31 | [SLC4A1](http://atlasgeneticsoncology.org/Genes/SLC4A1ID42325ch17q21.html) |
| [WDR77](http://atlasgeneticsoncology.org/Genes/WDR77ID44142ch1p13.html) | 1p13.2 | WDR77 (WD repeat domain 77) |
|  |  |  |
| WDR79 (Alias) | 17p13.1 | [WRAP53](http://atlasgeneticsoncology.org/Genes/WRAP53ID50705ch17p13.html) |
| WF-1 (Alias) | 12q24.31 | [TRIAP1](http://atlasgeneticsoncology.org/Genes/TRIAP1ID44577ch12q24.html) |
| [WFDC1](http://atlasgeneticsoncology.org/Genes/WFDC1ID424.html) | 16q24.1 | WFDC1 (WAP four-disulfide core domain 1) |
|  |  |  |
| WGN1 (Alias) | 5q14.2 | [VCAN](http://atlasgeneticsoncology.org/Genes/VCANID40173ch5q14.html) |
| WGN (Alias) | 5q14.2 | [VCAN](http://atlasgeneticsoncology.org/Genes/VCANID40173ch5q14.html) |
| WHS (Alias) | 4p16.3 | [WHSC1](http://atlasgeneticsoncology.org/Genes/WHSC1ID42809ch4p16.html) |
| [WHSC1](http://atlasgeneticsoncology.org/Genes/WHSC1ID42809ch4p16.html) | 4p16.3 | WHSC1 (Wolf-Hirschhorn syndrome candidate 1) |
| [WHSC1L1](http://atlasgeneticsoncology.org/Genes/WHSC1L1NSD3ID42810ch8p11.html) | 8p11.23 | WHSC1L1 (Wolf-Hirschhorn syndrome candidate 1 like gene 1) |
|  |  |  |
| [WHSC1](http://atlasgeneticsoncology.org/Genes/WHSC1ID42809ch4p16.html) | 4p16.3 | WHSC1 (Wolf-Hirschhorn syndrome candidate 1) |
| WID (Alias) | 5q31.2 | [CXXC5](http://atlasgeneticsoncology.org/Genes/CXXC5ID52549ch5q31.html) |
| WIF-1 (Alias) | 12q14.3 | [WIF1](http://atlasgeneticsoncology.org/Genes/WIF1ID44085ch12q14.html) |
| [WIF1](http://atlasgeneticsoncology.org/Genes/WIF1ID44085ch12q14.html) | 12q14.3 | WIF1 (WNT inhibitory factor 1) |
|  |  |  |
| Wip1 phosphatase (Alias) | 17q23.2 | [PPM1D](http://atlasgeneticsoncology.org/Genes/PPM1DID41803ch17q23.html) |
| [WISP2](http://atlasgeneticsoncology.org/Genes/WISP2ID42814ch20q12.html) | 20q13.12 | WISP2 (Wnt-1-inducible signaling parthway protein-2) |
|  |  |  |
| [WISP3](http://atlasgeneticsoncology.org/Genes/WISP3ID469ch6q22.html) | 6q21 | WISP3 (WNT-1 inducible signaling pathway protein 3) |
|  |  |  |
| [WNK2](http://atlasgeneticsoncology.org/Genes/WNK2ID41867ch9q22.html) | 9q22.31 | WNK2 (WNK lysine deficient protein kinase 2) |
|  |  |  |
| [WNT1](http://atlasgeneticsoncology.org/Genes/WNT1ID462ch12q13.html) | 12q13.12 | WNT1 (wingless-type MMTV integration site family, member 1) |
| Wnt1 signaling pathway protein 3 (Alias) | 6q21 | [WISP3](http://atlasgeneticsoncology.org/Genes/WISP3ID469ch6q22.html) |
|  |  |  |
| WNT-5A (Alias) | 3p14.3 | [WNT5A](http://atlasgeneticsoncology.org/Genes/WNT5AID42825ch3p14.html) |
| [WNT5A](http://atlasgeneticsoncology.org/Genes/WNT5AID42825ch3p14.html) | 3p14.3 | WNT5A (wingless-type MMTV integration site family, member 5A) |
|  |  |  |
| WR (Alias) | 17q21.31 | [SLC4A1](http://atlasgeneticsoncology.org/Genes/SLC4A1ID42325ch17q21.html) |
| [WRAP53](http://atlasgeneticsoncology.org/Genes/WRAP53ID50705ch17p13.html) | 17p13.1 | WRAP53 (WD repeat containing, antisense to TP53) |
|  |  |  |
| [WRN](http://atlasgeneticsoncology.org/Genes/WRNID284.html) | 8p12 | WRN (Werner syndrome, RecQ helicase-like) |
|  |  |  |
| WS1 (Alias) | 2q36.1 | [PAX3](http://atlasgeneticsoncology.org/Genes/PAX3ID70ch2q35.html) |
| WS2A (Alias) | 3p14.1 | [MITF](http://atlasgeneticsoncology.org/Genes/MITFID44193ch3p13.html) |
| WS2 (Alias) | 3p14.1 | [MITF](http://atlasgeneticsoncology.org/Genes/MITFID44193ch3p13.html) |
| WS2E (Alias) | 22q13.1 | [SOX10](http://atlasgeneticsoncology.org/Genes/SOX10ID43768ch22q13.html) |
| WS3-10 (Alias) | 11q23.3 | [TAGLN](http://atlasgeneticsoncology.org/Genes/TAGLNID46168ch11q23.html) |
| WS3 (Alias) | 2q36.1 | [PAX3](http://atlasgeneticsoncology.org/Genes/PAX3ID70ch2q35.html) |
| WS4 (Alias) | 22q13.1 | [SOX10](http://atlasgeneticsoncology.org/Genes/SOX10ID43768ch22q13.html) |
| WS9-14 (Alias) | 8p21.3 | [LOXL2](http://atlasgeneticsoncology.org/Genes/LOXL2ID41192ch8p21.html) |
| [WT1](http://atlasgeneticsoncology.org/Genes/WT1ID78.html) | 11p13 | WT1 (Wilms' tumor suppressor gene) |
|  |  |  |
| WTX (Wilms Tumor on the X chromosome) (Alias) | Xq11.2 | [AMER1](http://atlasgeneticsoncology.org/Genes/FAM123BID44119chXq11.html) |
| WVS2 (Alias) | 7q36.1 | [EZH2](http://atlasgeneticsoncology.org/Genes/EZH2ID40517ch7q36.html) |
| WVS (Alias) | 7q36.1 | [EZH2](http://atlasgeneticsoncology.org/Genes/EZH2ID40517ch7q36.html) |
| WW45 (Alias) | 14q22.1 | [SAV1](http://atlasgeneticsoncology.org/Genes/SAV1ID42206ch14q13.html) |
| WW (Alias) | 16q12.1 | [ABCC11](http://atlasgeneticsoncology.org/Genes/ABCC11ID538ch16q12.html) |
| [WWC1](http://atlasgeneticsoncology.org/Genes/WWC1ID45810ch5q34.html) | 5q34 | WWC1 (WW and C2 domain containing 1) |
|  |  |  |
| [WWOX](http://atlasgeneticsoncology.org/Genes/WWOXID508ch16q23.html) | 16q23.1 | WWOX (WW domain containing oxidoreductase) |
|  |  |  |
| [WWP1](http://atlasgeneticsoncology.org/Genes/WWP1ID42993ch8q21.html) | 8q21.3 | WWP1 (WW domain containing E3 ubiquitin protein ligase 1) |
|  |  |  |
| WWP4 (Alias) | 14q22.1 | [SAV1](http://atlasgeneticsoncology.org/Genes/SAV1ID42206ch14q13.html) |
| [WWTR1](http://atlasgeneticsoncology.org/Genes/WWTR1ID44545ch3q25.html) | 3q25.1 | WWTR1 (WW domain containing transcription regulator 1) |

|  |  |  |
| --- | --- | --- |
| X104 (Alias) | 9q21.11 | [TJP2](http://atlasgeneticsoncology.org/Genes/TJP2ID44347ch9q21.html) |
| [XAF1](http://atlasgeneticsoncology.org/Genes/XAF1ID44095ch17p13.html) | 17p13.1 | XAF1 (XIAP associated factor-1) |
|  |  |  |
| XAP-2 (Alias) | 11q13.2 | [AIP](http://atlasgeneticsoncology.org/Genes/AIPID604ch11q13.html) |
| XAP2 (Alias) | 11q13.2 | [AIP](http://atlasgeneticsoncology.org/Genes/AIPID604ch11q13.html) |
| XAP8 (Alias) | 11q14.1 | [RSF1](http://atlasgeneticsoncology.org/Genes/RSF1ID44107ch11q13.html) |
| XB130 (Alias) | 10q25.3 | [AFAP1L2](http://atlasgeneticsoncology.org/Genes/AFAP1L2ID52197ch10q25.html) |
| XBR (Alias) | 4q12 | [REST](http://atlasgeneticsoncology.org/Genes/RESTID44266ch4q12.html) |
| XHL (Alias) | 12q24.1 | [TBX3](http://atlasgeneticsoncology.org/Genes/TBX3ID42486ch12q24.html) |
| XLA (Alias) | Xq22.1 | [BTK](http://atlasgeneticsoncology.org/Genes/BTKID851chXq22.html) |
| XPAC xeroderma pigmentosum, complementation group A (Alias) | 9q22.33 | [XPA](http://atlasgeneticsoncology.org/Genes/XPAID104.html) |
| [XPA](http://atlasgeneticsoncology.org/Genes/XPAID104.html) | 9q22.33 | XPA xeroderma pigmentosum, complementation group A) |
|  |  |  |
| XPB (Alias) | 2q14.3 | [ERCC3](http://atlasgeneticsoncology.org/Genes/XPBID296.html) |
| XPBC (Alias) | 2q14.3 | [ERCC3](http://atlasgeneticsoncology.org/Genes/XPBID296.html) |
| XPCC xeroderma pigmentosum, complementation group C (Alias) | 3p25.1 | [XPC](http://atlasgeneticsoncology.org/Genes/XPCID122.html) |
| [XPC](http://atlasgeneticsoncology.org/Genes/XPCID122.html) | 3p25.1 | XPC (xeroderma pigmentosum, complementation group C) |
|  |  |  |
| XPD (Alias) | 19q13.32 | [ERCC2](http://atlasgeneticsoncology.org/Genes/XPDID297.html) |
| XPE (xeroderma pigmentosum, complementation group E) (Alias) | 11p11.2 | [DDB2](http://atlasgeneticsoncology.org/Genes/XPEID298.html) |
| XPF (xeroderma pigmentosum, complementation group F) (Alias) | 16p13.12 | [ERCC4](http://atlasgeneticsoncology.org/Genes/XPFID299.html) |
| XPG (xeroderma pigmentosum, complementation group G) (Alias) | 13q33.1 | [ERCC5](http://atlasgeneticsoncology.org/Genes/XPGID300.html) |
| XPID (Alias) | Xp11.23 | [FOXP3](http://atlasgeneticsoncology.org/Genes/FOXP3ID44129chXp11.html) |
| [XPO1](http://atlasgeneticsoncology.org/Genes/XPO1ID44168ch2p15.html) | 2p15 | XPO1 (exportin 1 (CRM1 homolog, yeast)) |
|  |  |  |
| XPO2 (Alias) | 20q13.13 | [CSE1L](http://atlasgeneticsoncology.org/Genes/CSE1LID40159ch20q13.html) |
| XP-V (Alias) | 6p21.1 | [POLH](http://atlasgeneticsoncology.org/Genes/XPVID303.html) |
| [XRCC3](http://atlasgeneticsoncology.org/Genes/XRCC3ID335ch14q32.html) | 14q32.33 | XRCC3 (X-ray repair complementing defective repair in Chinese hamster cells 3) |
|  |  |  |
| [XRCC5](http://atlasgeneticsoncology.org/Genes/XRCC5ID337ch2q35.html) | 2q35 | XRCC5 (X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)) |
|  |  |  |
| [XRCC6](http://atlasgeneticsoncology.org/Genes/XRCC6ID246ch22q13.html) | 22q13.2 | XRCC6 (X-ray repair complementing defective repair in Chinese hamster cells 6) |
|  |  |  |
| XRCC9 (X-ray repair complementing defective repair 9) (Alias) | 9p13.3 | [FANCG](http://atlasgeneticsoncology.org/Genes/FANCGID295.html) |
| XTP4 (Alias) | 17q12 | [MIEN1](http://atlasgeneticsoncology.org/Genes/MIEN1ID52476ch17q12.html) |

|  |  |  |
| --- | --- | --- |
| Y10479 (Alias) | 6p22.3 | [E2F3](http://atlasgeneticsoncology.org/Genes/E2F3ID40384ch6p22.html) |
| YAF1 (Alias) | 6q21 | [HDAC2](http://atlasgeneticsoncology.org/Genes/HDAC2ID40803ch6q22.html) |
| [YAP1](http://atlasgeneticsoncology.org/Genes/YAP1ID42855ch11q22.html) | 11q22.1 | YAP1 (Yes-associated protein 1, 65kDa) |
|  |  |  |
| YAP2 (Alias) | 11q22.1 | [YAP1](http://atlasgeneticsoncology.org/Genes/YAP1ID42855ch11q22.html) |
| YAP65 (Alias) | 11q22.1 | [YAP1](http://atlasgeneticsoncology.org/Genes/YAP1ID42855ch11q22.html) |
| YAP (Alias) | 11q22.1 | [YAP1](http://atlasgeneticsoncology.org/Genes/YAP1ID42855ch11q22.html) |
| YB-1 (Alias) | 1p34.2 | [YBX1](http://atlasgeneticsoncology.org/Genes/YBX1ID46554ch1p34.html) |
| YB1 (Alias) | 1p34.2 | [YBX1](http://atlasgeneticsoncology.org/Genes/YBX1ID46554ch1p34.html) |
| [YBX1](http://atlasgeneticsoncology.org/Genes/YBX1ID46554ch1p34.html) | 1p34.2 | YBX1 (Y box binding protein 1) |
|  |  |  |
| YKI (Alias) | 11q22.1 | [YAP1](http://atlasgeneticsoncology.org/Genes/YAP1ID42855ch11q22.html) |
| YKL086W (Alias) | 20p13 | [SRXN1](http://atlasgeneticsoncology.org/Genes/SRXN1ID52295ch20p13.html) |
| YOTIAO (Alias) | 7q21.2 | [AKAP9](http://atlasgeneticsoncology.org/Genes/AKAP9ID42999ch7q21.html) |
| [YPEL3](http://atlasgeneticsoncology.org/Genes/YPEL3ID51528ch16p11.html) | 16p11.2 | YPEL3 (yippee-like 3 (Drosophila)) |
|  |  |  |
| [YPEL5](http://atlasgeneticsoncology.org/Genes/YPEL5ID44614ch2p23.html) | 2p23.1 | YPEL5 (yippee-like 5 (Drosophila)) |
|  |  |  |
| YT (Alias) | 7q22.1 | [ACHE](http://atlasgeneticsoncology.org/Genes/ACHEID44317ch7q22.html) |

|  |  |  |
| --- | --- | --- |
| acrogranin (Alias) | 17q21.31 | [GRN](http://atlasgeneticsoncology.org/Genes/GRNID40757ch17q21.html) |
| adducin 3 (gamma) (Alias) | 10q25.1 | [ADD3](http://atlasgeneticsoncology.org/Genes/ADD3ID520ch10q25.html) |
| affixin (Alias) | 22q13.31 | [PARVB](http://atlasgeneticsoncology.org/Genes/PARVBID46486ch22q13.html) |
| aleurain (Alias) | 15q25.1 | [CTSH](http://atlasgeneticsoncology.org/Genes/CTSHID40206ch15q25.html) |
| amphiregulin (Alias) | 4q13.3 | [AREG](http://atlasgeneticsoncology.org/Genes/AREGID690ch4q13.html) |
| anaplastic lymphoma kinase (Ki-1) (Alias) | 2p23.2 | [ALK](http://atlasgeneticsoncology.org/Genes/ALKID10.html) |
| apactin (mouse) (Alias) | 10q26.13 | [DMBT1](http://atlasgeneticsoncology.org/Genes/DMBT1ID309ch10q26.html) |
| arachidonate omega 6-lipoxygenase (Alias) | 17p13.2 | [ALOX15](http://atlasgeneticsoncology.org/Genes/ALOX15ID42986ch17p13.html) |
| asr1 (Alias) | 11q13.1 | [FAU](http://atlasgeneticsoncology.org/Genes/FAUID40538ch11q13.html) |
| aurkb-sv1 (Alias) | 17p13.1 | [AURKB](http://atlasgeneticsoncology.org/Genes/AURKBID731ch17p13.html) |
| aurkb-sv2 (Alias) | 17p13.1 | [AURKB](http://atlasgeneticsoncology.org/Genes/AURKBID731ch17p13.html) |
| axil (mostly in rat) (Alias) | 17q24.1 | [AXIN2](http://atlasgeneticsoncology.org/Genes/AXIN2ID456ch17q24.html) |
| bA12D24.1.1 (Alias) | 9p24.1 | [RLN2](http://atlasgeneticsoncology.org/Genes/RLN2ID44421ch9p24.html) |
| bA12D24.1.2 (Alias) | 9p24.1 | [RLN2](http://atlasgeneticsoncology.org/Genes/RLN2ID44421ch9p24.html) |
| bA209J19.1 (Alias) | 13q14.3 | [OLFM4](http://atlasgeneticsoncology.org/Genes/OLFM4ID49730ch13q14.html) |
| bA276H19.3 (Alias) | 1p34.2 | [CDC20](http://atlasgeneticsoncology.org/Genes/CDC20ID40003ch1p34.html) |
| bA514O12.3 (Alias) | 6q27 | [RNASET2](http://atlasgeneticsoncology.org/Genes/RNASET2ID518ch6q27.html) |
| bA517O1.1 (Alias) | Xq25 | [STAG2](http://atlasgeneticsoncology.org/Genes/STAG2ID52377chXq25.html) |
| bA59I9.3 (Alias) | 6q21 | [PDSS2](http://atlasgeneticsoncology.org/Genes/PDSS2ID890ch6q21.html) |
| bA74P14.1 (Alias) | 1q44 | [SMYD3](http://atlasgeneticsoncology.org/Genes/SMYD3ID46100ch1q44.html) |
| bca (Alias) | 10q24.1 | [BLNK](http://atlasgeneticsoncology.org/Genes/BLNKID804ch10q24.html) |
| bcl-xL (Alias) | 20q11.21 | [BCL2L1](http://atlasgeneticsoncology.org/Genes/BCL2L1ID129ch20q11.html) |
| bcl-xS (Alias) | 20q11.21 | [BCL2L1](http://atlasgeneticsoncology.org/Genes/BCL2L1ID129ch20q11.html) |
| beta3GNT6 (Alias) | 11q13.5 | [B3GNT6](http://atlasgeneticsoncology.org/Genes/B3GNT6ID44427ch11q13.html) |
| betaIG-M2 (Alias) | 6q23.2 | [CTGF](http://atlasgeneticsoncology.org/Genes/CTGFID40192ch6q23.html) |
| beta-parvin (Alias) | 22q13.31 | [PARVB](http://atlasgeneticsoncology.org/Genes/PARVBID46486ch22q13.html) |
| beta-TrCP1 (Alias) | 10q24.32 | [BTRC](http://atlasgeneticsoncology.org/Genes/BTRCID451ch10q24.html) |
| betaTrCP (Alias) | 10q24.32 | [BTRC](http://atlasgeneticsoncology.org/Genes/BTRCID451ch10q24.html) |
| bFGF (Alias) | 4q28.1 | [NUDT6](http://atlasgeneticsoncology.org/Genes/NUDT6ID41593ch4q28.html) |
| bHLHa38 (Alias) | 7p21.1 | [TWIST1](http://atlasgeneticsoncology.org/Genes/TWIST1ID44296ch7p21.html) |
| bHLHa39 (Alias) | 2q37.3 | [TWIST2](http://atlasgeneticsoncology.org/Genes/TWIST2ID43639ch2q37.html) |
| bHLHb11 (Alias) | 1q23.3 | [USF1](http://atlasgeneticsoncology.org/Genes/USF1ID45856ch1q23.html) |
| bHLHb24 (Alias) | 20q11.21 | [ID1](http://atlasgeneticsoncology.org/Genes/ID1ID40914ch20q11.html) |
| bHLHb26 (Alias) | 2p25.1 | [ID2](http://atlasgeneticsoncology.org/Genes/ID2ID436ch2p25.html) |
| bHLHe32 (Alias) | 3p14.1 | [MITF](http://atlasgeneticsoncology.org/Genes/MITFID44193ch3p13.html) |
| bHLHe37 (Alias) | 2p24.3 | [MYCN](http://atlasgeneticsoncology.org/Genes/NMYCID112.html) |
| bHLHe73 (Alias) | 2p21 | [EPAS1](http://atlasgeneticsoncology.org/Genes/EPAS1ID44088ch2p21.html) |
| bK211L9.1 (Alias) | 6q23.3 | [BCLAF1](http://atlasgeneticsoncology.org/Genes/BCLAF1ID43164ch6q23.html) |
| brn-2 (Alias) | 6q16.1 | [POU3F2](http://atlasgeneticsoncology.org/Genes/POU3F2ID45747ch6q16.html) |
| bTrCP1 (Alias) | 10q24.32 | [BTRC](http://atlasgeneticsoncology.org/Genes/BTRCID451ch10q24.html) |
| bTrCP (Alias) | 10q24.32 | [BTRC](http://atlasgeneticsoncology.org/Genes/BTRCID451ch10q24.html) |
| cardiac-specific homeobox (Alias) | 5q35.1 | [NKX2-5](http://atlasgeneticsoncology.org/Genes/NKX25ID42958ch5q35.html) |
| cCARMEN (Alias) | 1p22.3 | [BCL10](http://atlasgeneticsoncology.org/Genes/BCL10ID222ch1p22.html) |
| cdc6 (Alias) | 17q21.2 | [CDC6](http://atlasgeneticsoncology.org/Genes/CDC6ID40014ch17q21.html) |
| c-E10 (Alias) | 1p22.3 | [BCL10](http://atlasgeneticsoncology.org/Genes/BCL10ID222ch1p22.html) |
| c-erbB-3 (Alias) | 12q13.2 | [ERBB3](http://atlasgeneticsoncology.org/Genes/ERBB3ID40479ch12q13.html) |
| c-erbB3 (Alias) | 12q13.2 | [ERBB3](http://atlasgeneticsoncology.org/Genes/ERBB3ID40479ch12q13.html) |
| c-FLIP (Alias) | 2q33.1 | [CFLAR](http://atlasgeneticsoncology.org/Genes/CFLARID40065ch2q33.html) |
| c-FLIPL (Alias) | 2q33.1 | [CFLAR](http://atlasgeneticsoncology.org/Genes/CFLARID40065ch2q33.html) |
| c-FLIPR (Alias) | 2q33.1 | [CFLAR](http://atlasgeneticsoncology.org/Genes/CFLARID40065ch2q33.html) |
| c-FLIPS (Alias) | 2q33.1 | [CFLAR](http://atlasgeneticsoncology.org/Genes/CFLARID40065ch2q33.html) |
| c-fms (Alias) | 5q32 | [CSF1R](http://atlasgeneticsoncology.org/Genes/CSF1RID40161ch5q32.html) |
| c-Ha-ras 1 (Alias) | 11p15.5 | [HRAS](http://atlasgeneticsoncology.org/Genes/HRASID108.html) |
| chemokine orphan receptor 1 (Alias) | 2q37.3 | [ACKR3](http://atlasgeneticsoncology.org/Genes/CMKOR1ID40108ch2q37.html) |
| cIAP1 (Alias) | 11q22.2 | [BIRC2](http://atlasgeneticsoncology.org/Genes/BIRC2ID795ch11q22.html) |
| c-IAP2 (Alias) | 11q22.2 | [BIRC3](http://atlasgeneticsoncology.org/Genes/BIRC3ID239.html) |
| c-jun (Alias) | 1p32.1 | [JUN](http://atlasgeneticsoncology.org/Genes/JUNID151.html) |
| c-Ki-ras 2 (Alias) | 12p12.1 | [KRAS](http://atlasgeneticsoncology.org/Genes/KRASID91.html) |
| ckshs1 (Alias) | 1q21.3 | [CKS1B](http://atlasgeneticsoncology.org/Genes/CKS1BID40092ch1q21.html) |
| clathrin heavy chain (Alias) | 17q23.1 | [CLTC](http://atlasgeneticsoncology.org/Genes/CLTCID360.html) |
| claudin-1 (Alias) | 17p13.1 | [CLDN7](http://atlasgeneticsoncology.org/Genes/CLDN7ID40099ch17p13.html) |
| c-MAF (Alias) | 16q23.2 | [MAF](http://atlasgeneticsoncology.org/Genes/MAFID41234ch16q23.html) |
| c-mer (Alias) | 2q13 | [MERTK](http://atlasgeneticsoncology.org/Genes/MERTKID41339ch2q13.html) |
| c-met (Alias) | 7q31.2 | [MET](http://atlasgeneticsoncology.org/Genes/METID131.html) |
| cMG1 (Alias) | 14q24.1 | [ZFP36L1](http://atlasgeneticsoncology.org/Genes/ZFP36L1ID42866ch14q22.html) |
| c-myb10A\_CDS (Alias) | 6q23.3 | [MYB](http://atlasgeneticsoncology.org/Genes/MYBID41466ch6q23.html) |
| c-myb13A\_CDS (Alias) | 6q23.3 | [MYB](http://atlasgeneticsoncology.org/Genes/MYBID41466ch6q23.html) |
| c-myb14A\_CDS (Alias) | 6q23.3 | [MYB](http://atlasgeneticsoncology.org/Genes/MYBID41466ch6q23.html) |
| c-myb8B\_CDS (Alias) | 6q23.3 | [MYB](http://atlasgeneticsoncology.org/Genes/MYBID41466ch6q23.html) |
| c-myb (Alias) | 6q23.3 | [MYB](http://atlasgeneticsoncology.org/Genes/MYBID41466ch6q23.html) |
| c-myb\_CDS (Alias) | 6q23.3 | [MYB](http://atlasgeneticsoncology.org/Genes/MYBID41466ch6q23.html) |
| coll-4 (Alias) | 9q22.2 | [SEMA4D](http://atlasgeneticsoncology.org/Genes/SEMA4DID42255ch9q22.html) |
| common acute lymphocytic leukemia antigen (CALLA) (Alias) | 3q25.2 | [MME](http://atlasgeneticsoncology.org/Genes/MMEID41386ch3q25.html) |
| conductin (Alias) | 17q24.1 | [AXIN2](http://atlasgeneticsoncology.org/Genes/AXIN2ID456ch17q24.html) |
| cPLA2-alpha (Alias) | 1q31.1 | [PLA2G4A](http://atlasgeneticsoncology.org/Genes/PLA2G4AID41733ch1q31.html) |
| cPLA (2) interacting protein (Alias) | 11q13.1 | [KAT5](http://atlasgeneticsoncology.org/Genes/HTATIPID40893ch11q13.html) |
| c-Raf (Alias) | 3p25.2 | [RAF1](http://atlasgeneticsoncology.org/Genes/RAF1ID42032ch3p25.html) |
| c-rel (Alias) | 2p16.1 | [REL](http://atlasgeneticsoncology.org/Genes/RELID322.html) |
| crg-2 (Alias) | 4q21.1 | [CXCL10](http://atlasgeneticsoncology.org/Genes/CXCL10ID40218ch4q21.html) |
| c-SRC (Alias) | 20q11.23 | [SRC](http://atlasgeneticsoncology.org/Genes/SRCID448ch20q11.html) |
| cysteinease-translase (Alias) | 11p15.4 | [CARS](http://atlasgeneticsoncology.org/Genes/CARSID484.html) |
| cysteine-tRNA ligase (Alias) | 11p15.4 | [CARS](http://atlasgeneticsoncology.org/Genes/CARSID484.html) |
| deleted in cancer 1 (Alias) | 13q14.3 | [INTS6](http://atlasgeneticsoncology.org/Genes/INTS6ID40287ch13q14.html) |
| dickkopf (Xenopus laevis) homolog 1 (Alias) | 10q21.1 | [DKK1](http://atlasgeneticsoncology.org/Genes/DKK1ID44007ch10q11.html) |
| dJ1061C18.1.1 (Alias) | 3q29 | [DLG1](http://atlasgeneticsoncology.org/Genes/DLG1ID40333ch3q29.html) |
| dJ1068H6.4 (Alias) | 20p13 | [PRND](http://atlasgeneticsoncology.org/Genes/PRNDID44172ch20p13.html) |
| dJ149M18.1 (Alias) | 6p21.1 | [NCR2](http://atlasgeneticsoncology.org/Genes/NCR2ID46140ch6p21.html) |
| dJ221C16.10.1 (Alias) | 6p22.2 | [HFE](http://atlasgeneticsoncology.org/Genes/HFEID44099ch6p22.html) |
| dJ323M4.1 (Alias) | 6q24.3 | [SASH1](http://atlasgeneticsoncology.org/Genes/SASH1ID43799ch6q24.html) |
| dJ323M4 (Alias) | 6q24.3 | [SASH1](http://atlasgeneticsoncology.org/Genes/SASH1ID43799ch6q24.html) |
| dJ447F3.2 (Alias) | 20q13.12 | [UBE2C](http://atlasgeneticsoncology.org/Genes/UBE2CID44079ch20q13.html) |
| dJ477O4.2 (Alias) | 20q11.22 | [ERGIC3](http://atlasgeneticsoncology.org/Genes/ERGIC3ID42222ch20q11.html) |
| dJ496H19.1 (Alias) | 6q23.3 | [PERP](http://atlasgeneticsoncology.org/Genes/PERPID50465ch6q23.html) |
| dJ710H13.1 (Alias) | 20q13.13 | [SNAI1](http://atlasgeneticsoncology.org/Genes/SNAI1ID452ch20q13.html) |
| dJ734G22.1 (Alias) | 1p36.22 | [CASZ1](http://atlasgeneticsoncology.org/Genes/CASZ1ID45989ch1p36.html) |
| dJ850E9.2 (Alias) | 20p13 | [SRXN1](http://atlasgeneticsoncology.org/Genes/SRXN1ID52295ch20p13.html) |
| ebnerin (rat) (Alias) | 10q26.13 | [DMBT1](http://atlasgeneticsoncology.org/Genes/DMBT1ID309ch10q26.html) |
| ecogenin (Alias) | 6q23.2 | [CTGF](http://atlasgeneticsoncology.org/Genes/CTGFID40192ch6q23.html) |
| edg-2 (Alias) | 9q31.3 | [LPAR1](http://atlasgeneticsoncology.org/Genes/LPAR1ID40405ch9q31.html) |
| eEF1A-2 (Alias) | 20q13.33 | [EEF1A2](http://atlasgeneticsoncology.org/Genes/EEF1A2ID40408ch20q13.html) |
| efg (Alias) | 6q23.3 | [MYB](http://atlasgeneticsoncology.org/Genes/MYBID41466ch6q23.html) |
| eIF-3-epsilon (Alias) | 11p15.4 | [EIF3F](http://atlasgeneticsoncology.org/Genes/EIF3FID44407ch11p15.html) |
| eIF3-epsilon (Alias) | 11p15.4 | [EIF3F](http://atlasgeneticsoncology.org/Genes/EIF3FID44407ch11p15.html) |
| eIF3f (Alias) | 11p15.4 | [EIF3F](http://atlasgeneticsoncology.org/Genes/EIF3FID44407ch11p15.html) |
| eIF3-p110 (Alias) | 16p11.2 | [EIF3C](http://atlasgeneticsoncology.org/Genes/EIF3CID44187ch16p11.html) |
| eIF3-p170 (Alias) | 10q26.11 | [EIF3A](http://atlasgeneticsoncology.org/Genes/EIF3AID40425ch10q26.html) |
| eIF3-p47 (Alias) | 11p15.4 | [EIF3F](http://atlasgeneticsoncology.org/Genes/EIF3FID44407ch11p15.html) |
| eIF3 subunit p110 (Alias) | 16p11.2 | [EIF3C](http://atlasgeneticsoncology.org/Genes/EIF3CID44187ch16p11.html) |
| eIF3 subunit p47 (Alias) | 11p15.4 | [EIF3F](http://atlasgeneticsoncology.org/Genes/EIF3FID44407ch11p15.html) |
| eIF3-theta (Alias) | 10q26.11 | [EIF3A](http://atlasgeneticsoncology.org/Genes/EIF3AID40425ch10q26.html) |
| emb (Alias) | 2p15 | [XPO1](http://atlasgeneticsoncology.org/Genes/XPO1ID44168ch2p15.html) |
| eN (Alias) | 6q14.3 | [NT5E](http://atlasgeneticsoncology.org/Genes/NT5EID44492ch6q14.html) |
| endosialin (Alias) | 11q13.2 | [CD248](http://atlasgeneticsoncology.org/Genes/CD248ID968ch11q13.html) |
| eNT (Alias) | 6q14.3 | [NT5E](http://atlasgeneticsoncology.org/Genes/NT5EID44492ch6q14.html) |
| env (Alias) | - | [ERVW-1](http://atlasgeneticsoncology.org/Genes/ERVWE1ID40497ch7q21.html) |
| enverin (Alias) | - | [ERVW-1](http://atlasgeneticsoncology.org/Genes/ERVWE1ID40497ch7q21.html) |
| eps8 SH3 domain binding protein (Alias) | 10p12.1 | [ABI1](http://atlasgeneticsoncology.org/Genes/ABI1ID233.html) |
| erbB3-S (Alias) | 12q13.2 | [ERBB3](http://atlasgeneticsoncology.org/Genes/ERBB3ID40479ch12q13.html) |
| erg-3 (Alias) | 21q22.2 | [ERG](http://atlasgeneticsoncology.org/Genes/ERGID53ch21q22.html) |
| ether a go-go (Alias) | 1q32.2 | [KCNH1](http://atlasgeneticsoncology.org/Genes/KCNH1ID41048ch1q32.html) |
| extracellular signal-regulated kinase 4 (Alias) | 18q21.1 | [MAPK4](http://atlasgeneticsoncology.org/Genes/MAPK4ID41293ch18q21.html) |
| flvi-2/bmi-1 (Alias) | 10p12.2 | [BMI1](http://atlasgeneticsoncology.org/Genes/BMI1ID807ch10p12.html) |
| fra-1 (Alias) | 11q13.1 | [FOSL1](http://atlasgeneticsoncology.org/Genes/FOSL1ID40622ch11q13.html) |
| fractalkine (Alias) | 16q21 | [CX3CL1](http://atlasgeneticsoncology.org/Genes/CX3CL1ID46756ch16q13.html) |
| gamma adducin (adducin-like protein 70) (Alias) | 10q25.1 | [ADD3](http://atlasgeneticsoncology.org/Genes/ADD3ID520ch10q25.html) |
| gamma-synuclein (Alias) | 10q23.2 | [SNCG](http://atlasgeneticsoncology.org/Genes/SNCGID42343ch10q23.html) |
| gfg-1 (Alias) | 4q28.1 | [NUDT6](http://atlasgeneticsoncology.org/Genes/NUDT6ID41593ch4q28.html) |
| gfg (Alias) | 4q28.1 | [NUDT6](http://atlasgeneticsoncology.org/Genes/NUDT6ID41593ch4q28.html) |
| gIP-10 (Alias) | 4q21.1 | [CXCL10](http://atlasgeneticsoncology.org/Genes/CXCL10ID40218ch4q21.html) |
| glypican (Alias) | 2q37.3 | [GPC1](http://atlasgeneticsoncology.org/Genes/GPC1ID44301ch2q37.html) |
| gp300 (glycoprotein 300; mouse) (Alias) | 10q26.13 | [DMBT1](http://atlasgeneticsoncology.org/Genes/DMBT1ID309ch10q26.html) |
| gp-340 (glycoprotein-340; human) (Alias) | 10q26.13 | [DMBT1](http://atlasgeneticsoncology.org/Genes/DMBT1ID309ch10q26.html) |
| granulin-epithelin (Alias) | 17q21.31 | [GRN](http://atlasgeneticsoncology.org/Genes/GRNID40757ch17q21.html) |
| hAP-2g (Alias) | 20q13.31 | [TFAP2C](http://atlasgeneticsoncology.org/Genes/TFAP2CID42528ch20q13.html) |
| hBUB1 (Alias) | 2q13 | [BUB1](http://atlasgeneticsoncology.org/Genes/BUB1ID853ch2q13.html) |
| hC2GnT-M (Alias) | 15q22.2 | [GCNT3](http://atlasgeneticsoncology.org/Genes/GCNT3ID44105ch15q21.html) |
| hCDC6 (Alias) | 17q21.2 | [CDC6](http://atlasgeneticsoncology.org/Genes/CDC6ID40014ch17q21.html) |
| hCDCRel-1 (human cell division cycle regulation 1) (Alias) | 22q11.21 | [SEPT5](http://atlasgeneticsoncology.org/Genes/hCDCRel-1ID220.html) |
| hCLAP (Alias) | 1p22.3 | [BCL10](http://atlasgeneticsoncology.org/Genes/BCL10ID222ch1p22.html) |
| hCox-2 (Alias) | 1q31.1 | [PTGS2](http://atlasgeneticsoncology.org/Genes/PTGS2ID509ch1q31.html) |
| hcp-1 (Alias) | 1q41 | [CENPF](http://atlasgeneticsoncology.org/Genes/CENPFID40057ch1q41.html) |
| hCPE-R, CPE-R (Clostridium perfringens enterotoxin receptor) (Alias) | 7q11.23 | [CLDN4](http://atlasgeneticsoncology.org/Genes/CLDN4ID42975ch7q11.html) |
| hD52 (Alias) | 8q21.13 | [TPD52](http://atlasgeneticsoncology.org/Genes/TPD52ID42676ch8q21.html) |
| hDkk1 (Alias) | 10q21.1 | [DKK1](http://atlasgeneticsoncology.org/Genes/DKK1ID44007ch10q11.html) |
| hDLP1 (Alias) | 6q21 | [PDSS2](http://atlasgeneticsoncology.org/Genes/PDSS2ID890ch6q21.html) |
| hdm2 (Alias) | 12q15 | [MDM2](http://atlasgeneticsoncology.org/Genes/MDM2ID115ch12q15.html) |
| hDomino (Alias) | 12q24.33 | [EP400](http://atlasgeneticsoncology.org/Genes/EP400ID40457ch12q24.html) |
| h-eag (Alias) | 1q32.2 | [KCNH1](http://atlasgeneticsoncology.org/Genes/KCNH1ID41048ch1q32.html) |
| hEGP-2 (Alias) | 2p21 | [EPCAM](http://atlasgeneticsoncology.org/Genes/TACSTD1ID42459ch2p21.html) |
| hELD (Alias) | 1p36.11 | [ARID1A](http://atlasgeneticsoncology.org/Genes/ARID1AID44231ch1p36.html) |
| hensin (rabbit) (Alias) | 10q26.13 | [DMBT1](http://atlasgeneticsoncology.org/Genes/DMBT1ID309ch10q26.html) |
| hepatocyte growth factor receptor (Alias) | 7q31.2 | [MET](http://atlasgeneticsoncology.org/Genes/METID131.html) |
| hFat1 (Alias) | 4q35.2 | [FAT1](http://atlasgeneticsoncology.org/Genes/FAT1ID40533ch4q35.html) |
| hFEN-1 (Alias) | 11q12.2 | [FEN1](http://atlasgeneticsoncology.org/Genes/FEN1ID40543ch11q12.html) |
| hFIZ (Alias) | 2q32.1 | [FRZB](http://atlasgeneticsoncology.org/Genes/FRZBID44457ch2q32.html) |
| hFKH1B (Alias) | 3p13 | [FOXP1](http://atlasgeneticsoncology.org/Genes/FOXP1ID40632ch3p14.html) |
| hFPG1 (Alias) | 15q24.2 | [NEIL1](http://atlasgeneticsoncology.org/Genes/NEIL1ID41519ch15q24.html) |
| hGC-1 (Alias) | 13q14.3 | [OLFM4](http://atlasgeneticsoncology.org/Genes/OLFM4ID49730ch13q14.html) |
| hHIPk2 (Alias) | 7q34 | [HIPK2](http://atlasgeneticsoncology.org/Genes/HIPK2ID40824ch7q34.html) |
| hiap-2 (Alias) | 11q22.2 | [BIRC2](http://atlasgeneticsoncology.org/Genes/BIRC2ID795ch11q22.html) |
| hJ1 (Alias) | 20p12.2 | [JAG1](http://atlasgeneticsoncology.org/Genes/JAG1ID41029ch20p12.html) |
| hK11 (Alias) | 19q13.41 | [KLK11](http://atlasgeneticsoncology.org/Genes/KLK11ID41077ch19q13.html) |
| hK7 (Alias) | 19q13.41 | [KLK7](http://atlasgeneticsoncology.org/Genes/KLK7ID41087ch19q13.html) |
| hKNL-1 (Alias) | 15q15.1 | [CASC5](http://atlasgeneticsoncology.org/Genes/AF15q14ID318.html) |
| hluPGFS (Alias) | 10p15.1 | [AKR1C3](http://atlasgeneticsoncology.org/Genes/AKR1C3ID612ch10p15.html) |
| hMafA (Alias) | 8q24.3 | [MAFA](http://atlasgeneticsoncology.org/Genes/MAFAID41235ch8q24.html) |
| hMam-3 (Alias) | 11q21 | [MAML2](http://atlasgeneticsoncology.org/Genes/MAML2ID472.html) |
| hMI-ER1 (Alias) | 1p31.3 | [MIER1](http://atlasgeneticsoncology.org/Genes/MIER1ID50389ch1p31.html) |
| hMLH1 (Alias) | 3p22.2 | [MLH1](http://atlasgeneticsoncology.org/Genes/MLH1ID149ch3p21.html) |
| hMSH2 (Alias) | 2p21 | [MSH2](http://atlasgeneticsoncology.org/Genes/MSH2ID340ch2p22.html) |
| hMSH3 (Alias) | 5q14.1 | [MSH3](http://atlasgeneticsoncology.org/Genes/MSH3ID341ch5q11.html) |
| hN1 (Alias) | 9q34.3 | [NOTCH1](http://atlasgeneticsoncology.org/Genes/NOTCH1ID30ch9q34.html) |
| hN2 (Alias) | 1p12 | [NOTCH2](http://atlasgeneticsoncology.org/Genes/NOTCH2ID41556ch1p12.html) |
| hNedd5 (Alias) | 2q37.3 | [SEPT2](http://atlasgeneticsoncology.org/Genes/SEPT2ID44125ch2q37.html) |
| hnRNPD0 (Alias) | 4q21.22 | [HNRNPD](http://atlasgeneticsoncology.org/Genes/HNRNPDID40840ch4q21.html) |
| hOLfD (Alias) | 13q14.3 | [OLFM4](http://atlasgeneticsoncology.org/Genes/OLFM4ID49730ch13q14.html) |
| hOSA1 (Alias) | 1p36.11 | [ARID1A](http://atlasgeneticsoncology.org/Genes/ARID1AID44231ch1p36.html) |
| hPAF1 (Alias) | 19q13.2 | [PAF1](http://atlasgeneticsoncology.org/Genes/PAF1ID44202ch19q13.html) |
| hPD-ECGF (Alias) | 22q13.33 | [TYMP](http://atlasgeneticsoncology.org/Genes/TYMPID40397ch22q13.html) |
| hPTTG (Alias) | 5q33.3 | [PTTG1](http://atlasgeneticsoncology.org/Genes/PTTG1ID41943ch5q35.html) |
| hRAD9 (Alias) | 11q13.2 | [RAD9A](http://atlasgeneticsoncology.org/Genes/RAD9AID42031ch11q13.html) |
| hRGS17 (Alias) | 6q25.2 | [RGS17](http://atlasgeneticsoncology.org/Genes/RGS17ID47522ch6q25.html) |
| hRspo1 (Alias) | 1p34.3 | [RSPO1](http://atlasgeneticsoncology.org/Genes/RSPO1ID44137ch1p34.html) |
| hsa-mir-100 (Alias) | 11q24.1 | [MIR100](http://atlasgeneticsoncology.org/Genes/MIR100ID51447ch11q24.html) |
| hsa-mir-10b (Alias) | 2q31.1 | [MIR10B](http://atlasgeneticsoncology.org/Genes/MIRN10BID44292ch2q31.html) |
| hsa-mir-122 (Alias) | 18q21.31 | [MIR122](http://atlasgeneticsoncology.org/Genes/MIR122ID44040ch18q21.html) |
| hsa-mir-125a (Alias) | 19q13.41 | [MIR125A](http://atlasgeneticsoncology.org/Genes/MIRN125AID44325ch19q13.html) |
| hsa-mir-125b-1 (Alias) | 11q24.1 | [MIR125B1](http://atlasgeneticsoncology.org/Genes/MIRN125B1ID44326ch11q24.html) |
| hsa-mir-125b-2 (Alias) | 21q21.1 | [MIR125B2](http://atlasgeneticsoncology.org/Genes/MIRN125B2ID44327ch21q21.html) |
| hsa-mir-126 (Alias) | 9q34.3 | [MIR126](http://atlasgeneticsoncology.org/Genes/MIR126ID50387ch9q34.html) |
| hsa-mir-200c (Alias) | 12p13.31 | [MIR200C](http://atlasgeneticsoncology.org/Genes/MIR200CID51054ch12p13.html) |
| hsa-mir-21 (Alias) | 17q23.1 | [MIR21](http://atlasgeneticsoncology.org/Genes/MIRN21ID44019ch17q23.html) |
| hsa-mir-221 (Alias) | Xp11.3 | [MIR221](http://atlasgeneticsoncology.org/Genes/MIRN221ID44277chXp11.html) |
| hsa-mir-222 (Alias) | Xp11.3 | [MIR222](http://atlasgeneticsoncology.org/Genes/MIRN222ID44278chXp11.html) |
| hsa-mir-22 (Alias) | 17p13.3 | [MIR22](http://atlasgeneticsoncology.org/Genes/MIR22ID51495ch17p13.html) |
| hsa-mir-23a (Alias) | 19p13.13 | [MIR23A](http://atlasgeneticsoncology.org/Genes/MIR23AID52055ch19p13.html) |
| hsa-mir-27a (Alias) | 19p13.13 | [MIR27A](http://atlasgeneticsoncology.org/Genes/MIR27AID50398ch19p13.html) |
| hsa-mir-331 (Alias) | 12q22 | [MIR331](http://atlasgeneticsoncology.org/Genes/MIR331ID51220ch12q22.html) |
| hsa-mir-373 (Alias) | 19q13.42 | [MIR373](http://atlasgeneticsoncology.org/Genes/MIR373ID49739ch19q13.html) |
| hsa-mir-449 (Alias) | 5q11.2 | [MIR449A](http://atlasgeneticsoncology.org/Genes/MIR449AID50881ch5q11.html) |
| hsa-mir-7-1 (Alias) | 9q21.32 | [MIR7-1](http://atlasgeneticsoncology.org/Genes/MIRN71ID44356ch9q21.html) |
| hSCCE (Alias) | 19q13.41 | [KLK7](http://atlasgeneticsoncology.org/Genes/KLK7ID41087ch19q13.html) |
| hShcD (Alias) | 15q21.1 | [SHC4](http://atlasgeneticsoncology.org/Genes/SHC4ID44503ch15q21.html) |
| hSiah2 (Alias) | 3q25.1 | [SIAH2](http://atlasgeneticsoncology.org/Genes/SIAH2ID46199ch3q25.html) |
| hSIR2 (Alias) | 10q21.3 | [SIRT1](http://atlasgeneticsoncology.org/Genes/SIRT1ID44006ch10q21.html) |
| hSIRT1 (Alias) | 10q21.3 | [SIRT1](http://atlasgeneticsoncology.org/Genes/SIRT1ID44006ch10q21.html) |
| hSNF2b (Alias) | 19p13.2 | [SMARCA4](http://atlasgeneticsoncology.org/Genes/SMARCA4ID42333ch19p13.html) |
| hSNF5 (Alias) | 22q11.23 | [SMARCB1](http://atlasgeneticsoncology.org/Genes/SMARCB1ID169.html) |
| hSpc105 (Alias) | 15q15.1 | [CASC5](http://atlasgeneticsoncology.org/Genes/AF15q14ID318.html) |
| hSPRY1 (Alias) | 4q28.1 | [SPRY1](http://atlasgeneticsoncology.org/Genes/SPRY1ID51064ch4q28.html) |
| hSTAR (Alias) | 12p12.3 | [GUCY2C](http://atlasgeneticsoncology.org/Genes/GUCY2CID43303ch12p13.html) |
| hTid-1 (Alias) | 16p13.3 | [DNAJA3](http://atlasgeneticsoncology.org/Genes/DNAJA3ID40342ch16p13.html) |
| hTIE2 (Alias) | 9p21.2 | [TEK](http://atlasgeneticsoncology.org/Genes/TEKID42517ch9p21.html) |
| hTIF1 (Alias) | 7q33 | [TRIM24](http://atlasgeneticsoncology.org/Genes/TRIM24ID504ch7q34.html) |
| hTSHR-I (Alias) | 14q31.1 | [TSHR](http://atlasgeneticsoncology.org/Genes/TSHRID290ch14q31.html) |
| hucep-6 (Alias) | 3p21.1 | [BAP1](http://atlasgeneticsoncology.org/Genes/BAP1ID755ch3p21.html) |
| huH1 (Alias) | 1p36.11 | [CLIC4](http://atlasgeneticsoncology.org/Genes/CLIC4ID40102ch1p36.html) |
| human retinoblastoma suspectibility gene (Alias) | 13q14.2 | [RB1](http://atlasgeneticsoncology.org/Genes/RB1ID90.html) |
| huParacaspase (Alias) | 18q21.32 | [MALT1](http://atlasgeneticsoncology.org/Genes/MALT1ID240.html) |
| hUsb1 (Alias) | 16q21 | [USB1](http://atlasgeneticsoncology.org/Genes/USB1ID44608ch16q21.html) |
| h-warts (Alias) | 6q25.1 | [LATS1](http://atlasgeneticsoncology.org/Genes/LATS1ID41127ch6q25.html) |
| identified as the oncogene of the MC29 avian myelocytomatosis virus (Alias) | 8q24.21 | [MYC](http://atlasgeneticsoncology.org/Genes/MYCID27.html) |
| interferon beta 2 (Alias) | 7p15.3 | [IL6](http://atlasgeneticsoncology.org/Genes/IL6ID519ch7p15.html) |
| interleukin 6 (Alias) | 7p15.3 | [IL6](http://atlasgeneticsoncology.org/Genes/IL6ID519ch7p15.html) |
| intestinal membrane mucin MUC17 (Alias) | 7q22.1 | [MUC17](http://atlasgeneticsoncology.org/Genes/MUC17ID41456ch7q22.html) |
| iTip60 (Alias) | 11q13.1 | [KAT5](http://atlasgeneticsoncology.org/Genes/HTATIPID40893ch11q13.html) |
| kuz (Alias) | 15q21.3 | [ADAM10](http://atlasgeneticsoncology.org/Genes/ADAM10ID44397ch15q21.html) |
| lck tyrosine kinase (AA 1-142) (Alias) | 1p35.1 | [LCK](http://atlasgeneticsoncology.org/Genes/LCKID14ch1p34.html) |
| leukophysin (Alias) | 1q25.3 | [DHX9](http://atlasgeneticsoncology.org/Genes/DHX9ID44879ch1q25.html) |
| leukotriene A4 synthase (Alias) | 10q11.21 | [ALOX5](http://atlasgeneticsoncology.org/Genes/ALOX5ID42985ch10q11.html) |
| lung cancer oncogene 7 (Alias) | 5q35.3 | [GNB2L1](http://atlasgeneticsoncology.org/Genes/GNB2L1ID43285ch5q35.html) |
| lysophospholipase D (Alias) | 8q24.12 | [ENPP2](http://atlasgeneticsoncology.org/Genes/ENPP2ID40455ch8q24.html) |
| magicin (Alias) | 4p15.32 | [MED28](http://atlasgeneticsoncology.org/Genes/MED28ID50131ch4p15.html) |
| mdkk1 (Alias) | 10q21.1 | [DKK1](http://atlasgeneticsoncology.org/Genes/DKK1ID44007ch10q11.html) |
| mE10 (Alias) | 1p22.3 | [BCL10](http://atlasgeneticsoncology.org/Genes/BCL10ID222ch1p22.html) |
| memB (Alias) | 2q23.3 | [RND3](http://atlasgeneticsoncology.org/Genes/RND3ID46247ch2q23.html) |
| membrane associated protein tyrosine kinase (Alias) | 1p35.1 | [LCK](http://atlasgeneticsoncology.org/Genes/LCKID14ch1p34.html) |
| membrane mucin 17 (Alias) | 7q22.1 | [MUC17](http://atlasgeneticsoncology.org/Genes/MUC17ID41456ch7q22.html) |
| mER (Alias) | 7p22.3 | [GPER1](http://atlasgeneticsoncology.org/Genes/GPERID44344ch7p22.html) |
| mer (Alias) | 2q13 | [MERTK](http://atlasgeneticsoncology.org/Genes/MERTKID41339ch2q13.html) |
| microRNA 126 (Alias) | 9q34.3 | [MIR126](http://atlasgeneticsoncology.org/Genes/MIR126ID50387ch9q34.html) |
| mili (Alias) | 8p21.3 | [PIWIL2](http://atlasgeneticsoncology.org/Genes/PIWIL2ID41724ch8p21.html) |
| minichain (Alias) | 15q25.1 | [CTSH](http://atlasgeneticsoncology.org/Genes/CTSHID40206ch15q25.html) |
| miR-100 (Alias) | 11q24.1 | [MIR100](http://atlasgeneticsoncology.org/Genes/MIR100ID51447ch11q24.html) |
| miR-107 (Alias) | 10q23.31 | [MIR107](http://atlasgeneticsoncology.org/Genes/MIR107ID51325ch10q23.html) |
| mir-10b (Alias) | 2q31.1 | [MIR10B](http://atlasgeneticsoncology.org/Genes/MIRN10BID44292ch2q31.html) |
| miR-125a (Alias) | 19q13.41 | [MIR125A](http://atlasgeneticsoncology.org/Genes/MIRN125AID44325ch19q13.html) |
| miR-125b-2 (Alias) | 21q21.1 | [MIR125B2](http://atlasgeneticsoncology.org/Genes/MIRN125B2ID44327ch21q21.html) |
| miR-126 (Alias) | 9q34.3 | [MIR126](http://atlasgeneticsoncology.org/Genes/MIR126ID50387ch9q34.html) |
| mir-133b (Alias) | 6p12.2 | [MIR133B](http://atlasgeneticsoncology.org/Genes/MIR133BID52086ch6p12.html) |
| miR-145 (Alias) | 5q32 | [MIR145](http://atlasgeneticsoncology.org/Genes/MIR145ID50927ch5q32.html) |
| miR-183 (Alias) | 7q32.2 | [MIR183](http://atlasgeneticsoncology.org/Genes/MIR183ID50539ch7q32.html) |
| miR-191 (Alias) | 3p21.31 | [MIR191](http://atlasgeneticsoncology.org/Genes/MIR191ID51786ch3p21.html) |
| miR-196b (Alias) | 7p15.2 | [MIR196B](http://atlasgeneticsoncology.org/Genes/MIR196BID51736ch7p15.html) |
| mir-200c (Alias) | 12p13.31 | [MIR200C](http://atlasgeneticsoncology.org/Genes/MIR200CID51054ch12p13.html) |
| mir-211 (Alias) | 15q13.3 | [MIR211](http://atlasgeneticsoncology.org/Genes/MIR211ID50533ch15q13.html) |
| miR-21 (Alias) | 17q23.1 | [MIR21](http://atlasgeneticsoncology.org/Genes/MIRN21ID44019ch17q23.html) |
| miR-221 (Alias) | Xp11.3 | [MIR221](http://atlasgeneticsoncology.org/Genes/MIRN221ID44277chXp11.html) |
| miR-222 (Alias) | Xp11.3 | [MIR222](http://atlasgeneticsoncology.org/Genes/MIRN222ID44278chXp11.html) |
| miR-22 (Alias) | 17p13.3 | [MIR22](http://atlasgeneticsoncology.org/Genes/MIR22ID51495ch17p13.html) |
| miR-27a (Alias) | 19p13.13 | [MIR27A](http://atlasgeneticsoncology.org/Genes/MIR27AID50398ch19p13.html) |
| mir-7-1 (Alias) | 9q21.32 | [MIR7-1](http://atlasgeneticsoncology.org/Genes/MIRN71ID44356ch9q21.html) |
| miRNA122A (Alias) | 18q21.31 | [MIR122](http://atlasgeneticsoncology.org/Genes/MIR122ID44040ch18q21.html) |
| miRNA122 (Alias) | 18q21.31 | [MIR122](http://atlasgeneticsoncology.org/Genes/MIR122ID44040ch18q21.html) |
| miRNA126 (Alias) | 9q34.3 | [MIR126](http://atlasgeneticsoncology.org/Genes/MIR126ID50387ch9q34.html) |
| miRNA133B (Alias) | 6p12.2 | [MIR133B](http://atlasgeneticsoncology.org/Genes/MIR133BID52086ch6p12.html) |
| miRNA145 (Alias) | 5q32 | [MIR145](http://atlasgeneticsoncology.org/Genes/MIR145ID50927ch5q32.html) |
| miRNA146B (Alias) | 10q24.32 | [MIR146B](http://atlasgeneticsoncology.org/Genes/MIR146BID50855ch10q24.html) |
| miRNA183 (Alias) | 7q32.2 | [MIR183](http://atlasgeneticsoncology.org/Genes/MIR183ID50539ch7q32.html) |
| miRNA196B (Alias) | 7p15.2 | [MIR196B](http://atlasgeneticsoncology.org/Genes/MIR196BID51736ch7p15.html) |
| miRNA23A (Alias) | 19p13.13 | [MIR23A](http://atlasgeneticsoncology.org/Genes/MIR23AID52055ch19p13.html) |
| miRNA296 (Alias) | 20q13.32 | [MIR296](http://atlasgeneticsoncology.org/Genes/MIR296ID51538ch20q13.html) |
| miRNA373 (Alias) | 19q13.42 | [MIR373](http://atlasgeneticsoncology.org/Genes/MIR373ID49739ch19q13.html) |
| mob-1 (Alias) | 4q21.1 | [CXCL10](http://atlasgeneticsoncology.org/Genes/CXCL10ID40218ch4q21.html) |
| moesin (membrane-organising extension spike protein) (Alias) | Xq12 | [MSN](http://atlasgeneticsoncology.org/Genes/MSNID363.html) |
| mouse Muc3 (Alias) | 7q22.1 | [MUC17](http://atlasgeneticsoncology.org/Genes/MUC17ID41456ch7q22.html) |
| mTOR (Alias) | 1p36.22 | [MTOR](http://atlasgeneticsoncology.org/Genes/FRAP1ID40639ch1p36.html) |
| mucin-17 (Alias) | 7q22.1 | [MUC17](http://atlasgeneticsoncology.org/Genes/MUC17ID41456ch7q22.html) |
| mucin 5AC (Alias) | 11p15.5 | [MUC5AC](http://atlasgeneticsoncology.org/Genes/MUC5ACID41460ch11p15.html) |
| mucin 6 (Alias) | 11p15.5 | [MUC6](http://atlasgeneticsoncology.org/Genes/MUC6ID44115ch11p15.html) |
| muclin (mouse) (Alias) | 10q26.13 | [DMBT1](http://atlasgeneticsoncology.org/Genes/DMBT1ID309ch10q26.html) |
| mucus type C2GnT (Alias) | 15q22.2 | [GCNT3](http://atlasgeneticsoncology.org/Genes/GCNT3ID44105ch15q21.html) |
| murine name WOX1 (Alias) | 16q23.1 | [WWOX](http://atlasgeneticsoncology.org/Genes/WWOXID508ch16q23.html) |
| mutY (E. coli) homolog (Alias) | 1p34.1 | [MUTYH](http://atlasgeneticsoncology.org/Genes/MUTYHID41464ch1p34.html) |
| mutY homolog (Alias) | 1p34.1 | [MUTYH](http://atlasgeneticsoncology.org/Genes/MUTYHID41464ch1p34.html) |
| my036 (Alias) | 12p13.31 | [ING4](http://atlasgeneticsoncology.org/Genes/ING4ID40978ch12p13.html) |
| neurotactin (Alias) | 16q21 | [CX3CL1](http://atlasgeneticsoncology.org/Genes/CX3CL1ID46756ch16q13.html) |
| notch1 (Alias) | 9q34.3 | [NOTCH1](http://atlasgeneticsoncology.org/Genes/NOTCH1ID30ch9q34.html) |
| novelzin (Alias) | 1p36.33 | [MIB2](http://atlasgeneticsoncology.org/Genes/MIB2ID44179ch1p36.html) |
| nPKC-delta (Alias) | 3p21.1 | [PRKCD](http://atlasgeneticsoncology.org/Genes/PRKCDID42901ch3p21.html) |
| nPKC-iota (Alias) | 3q26.2 | [PRKCI](http://atlasgeneticsoncology.org/Genes/PRKCIID41857ch3q26.html) |
| oct-7 (Alias) | 6q16.1 | [POU3F2](http://atlasgeneticsoncology.org/Genes/POU3F2ID45747ch6q16.html) |
| osteoactivin (Alias) | 7p15.3 | [GPNMB](http://atlasgeneticsoncology.org/Genes/GPNMBID40739ch7p15.html) |
| osteopontin (Alias) | 4q22.1 | [SPP1](http://atlasgeneticsoncology.org/Genes/SPP1ID42379ch4q22.html) |
| osteostatin (Alias) | 12p11.22 | [PTHLH](http://atlasgeneticsoncology.org/Genes/PTHLHID41897ch12p11.html) |
| p100 (Alias) | 7q22.1 | [CUX1](http://atlasgeneticsoncology.org/Genes/CUX1ID403ch7q22.html) |
| p100 (Alias) | 20q11.21 | [TPX2](http://atlasgeneticsoncology.org/Genes/TPX2ID42683ch20q11.html) |
| p10 (Alias) | 1q21.3 | [S100A10](http://atlasgeneticsoncology.org/Genes/S100A10ID44145ch1q21.html) |
| p110 (Alias) | 7q22.1 | [CUX1](http://atlasgeneticsoncology.org/Genes/CUX1ID403ch7q22.html) |
| p110 (Alias) | 16p11.2 | [EIF3C](http://atlasgeneticsoncology.org/Genes/EIF3CID44187ch16p11.html) |
| p110-alpha (Alias) | 3q26.32 | [PIK3CA](http://atlasgeneticsoncology.org/Genes/PIK3CAID415ch3q26.html) |
| p110D (Alias) | 1p36.22 | [PIK3CD](http://atlasgeneticsoncology.org/Genes/PIK3CDID46261ch1p36.html) |
| p11 (Alias) | 1q21.3 | [S100A10](http://atlasgeneticsoncology.org/Genes/S100A10ID44145ch1q21.html) |
| p120 (Alias) | 11q12.1 | [CTNND1](http://atlasgeneticsoncology.org/Genes/CTNND1ID40197ch11q11.html) |
| p122-RhoGAP (Alias) | 8p22 | [DLC1](http://atlasgeneticsoncology.org/Genes/DLC1ID40328ch8p22.html) |
| p140 TEK (Alias) | 9p21.2 | [TEK](http://atlasgeneticsoncology.org/Genes/TEKID42517ch9p21.html) |
| p15INK4b (Alias) | 9p21.3 | [CDKN2B](http://atlasgeneticsoncology.org/Genes/CDKN2BID187ch9p21.html) |
| p15(PAF) (Alias) | 15q22.31 | [KIAA0101](http://atlasgeneticsoncology.org/Genes/KIAA0101ID41058ch15q22.html) |
| p15PAF (Alias) | 15q22.31 | [KIAA0101](http://atlasgeneticsoncology.org/Genes/KIAA0101ID41058ch15q22.html) |
| p16 (Alias) | 9p21.3 | [CDKN2A](http://atlasgeneticsoncology.org/Genes/CDKN2aID146.html) |
| p16- INK4a (Alias) | 9p21.3 | [CDKN2A](http://atlasgeneticsoncology.org/Genes/CDKN2aID146.html) |
| p180 (Alias) | 10q26.11 | [EIF3A](http://atlasgeneticsoncology.org/Genes/EIF3AID40425ch10q26.html) |
| p180-ErbB3 (Alias) | 12q13.2 | [ERBB3](http://atlasgeneticsoncology.org/Genes/ERBB3ID40479ch12q13.html) |
| p18-20 (Alias) | 11p13 | [CD59](http://atlasgeneticsoncology.org/Genes/CD59ID985ch11p13.html) |
| p185 (Alias) | 10q26.11 | [EIF3A](http://atlasgeneticsoncology.org/Genes/EIF3AID40425ch10q26.html) |
| p200 (Alias) | 7q22.1 | [CUX1](http://atlasgeneticsoncology.org/Genes/CUX1ID403ch7q22.html) |
| p21 (Alias) | 6p21.2 | [CDKN1A](http://atlasgeneticsoncology.org/Genes/CDKN1AID139.html) |
| p21-Rac2 (Alias) | 22q13.1 | [RAC2](http://atlasgeneticsoncology.org/Genes/RAC2ID42021ch22q13.html) |
| p29ING4 (Alias) | 12p13.31 | [ING4](http://atlasgeneticsoncology.org/Genes/ING4ID40978ch12p13.html) |
| p30DBC (Alias) | 8p21.3 | [KIAA1967](http://atlasgeneticsoncology.org/Genes/KIAA1967ID46056ch8p21.html) |
| p325 (Alias) | 11q14.1 | [RSF1](http://atlasgeneticsoncology.org/Genes/RSF1ID44107ch11q13.html) |
| p32 (Alias) | 4q35.1 | [ING2](http://atlasgeneticsoncology.org/Genes/ING2ID40975ch4q35.html) |
| p33ING2 (Alias) | 4q35.1 | [ING2](http://atlasgeneticsoncology.org/Genes/ING2ID40975ch4q35.html) |
| p35srj (Alias) | 6q24.1 | [CITED2](http://atlasgeneticsoncology.org/Genes/CITED2ID40087ch6q24.html) |
| p38-2G4 (Alias) | 12q13.2 | [PA2G4](http://atlasgeneticsoncology.org/Genes/PA2G4ID41628ch12q13.html) |
| p38 (Alias) | 17p13.3 | [CRK](http://atlasgeneticsoncology.org/Genes/CRKID40149ch17p13.html) |
| p38 (Alias) | 6p21.31 | [MAPK14](http://atlasgeneticsoncology.org/Genes/MAPK14ID41292ch6p21.html) |
| p38 (Alias) | 22q11.21 | [MAPK1](http://atlasgeneticsoncology.org/Genes/MAPK1ID41288ch22q11.html) |
| p38ALPHA (Alias) | 6p21.31 | [MAPK14](http://atlasgeneticsoncology.org/Genes/MAPK14ID41292ch6p21.html) |
| p38delta (Alias) | 6p21.31 | [MAPK13](http://atlasgeneticsoncology.org/Genes/MAPK13ID41291ch6p21.html) |
| p38gamma (Alias) | 22q13.33 | [MAPK12](http://atlasgeneticsoncology.org/Genes/MAPK12ID41290ch22q13.html) |
| p400 (Alias) | 12q24.33 | [EP400](http://atlasgeneticsoncology.org/Genes/EP400ID40457ch12q24.html) |
| p40 (Alias) | 22q11.21 | [MAPK1](http://atlasgeneticsoncology.org/Genes/MAPK1ID41288ch22q11.html) |
| p40 (Alias) | 3q28 | [TP63](http://atlasgeneticsoncology.org/Genes/TP63ID365ch3q27.html) |
| p41 (Alias) | 22q11.21 | [MAPK1](http://atlasgeneticsoncology.org/Genes/MAPK1ID41288ch22q11.html) |
| p41mapk (Alias) | 22q11.21 | [MAPK1](http://atlasgeneticsoncology.org/Genes/MAPK1ID41288ch22q11.html) |
| p42 (Alias) | 9q22.1 | [CDK20](http://atlasgeneticsoncology.org/Genes/CCRKID43196ch9q22.html) |
| p42-MAPK (Alias) | 22q11.21 | [MAPK1](http://atlasgeneticsoncology.org/Genes/MAPK1ID41288ch22q11.html) |
| p44 (Alias) | 1p13.2 | [WDR77](http://atlasgeneticsoncology.org/Genes/WDR77ID44142ch1p13.html) |
| p44-ERK1 (Alias) | 16p11.2 | [MAPK3](http://atlasgeneticsoncology.org/Genes/MAPK3ID425ch16p11.html) |
| p44-MAPK (Alias) | 16p11.2 | [MAPK3](http://atlasgeneticsoncology.org/Genes/MAPK3ID425ch16p11.html) |
| p44/Mep50 (Alias) | 1p13.2 | [WDR77](http://atlasgeneticsoncology.org/Genes/WDR77ID44142ch1p13.html) |
| p45-sErbB3 (Alias) | 12q13.2 | [ERBB3](http://atlasgeneticsoncology.org/Genes/ERBB3ID40479ch12q13.html) |
| p47 (Alias) | 11p15.4 | [EIF3F](http://atlasgeneticsoncology.org/Genes/EIF3FID44407ch11p15.html) |
| p51 (Alias) | 3q28 | [TP63](http://atlasgeneticsoncology.org/Genes/TP63ID365ch3q27.html) |
| p52 (Alias) | 9p22.3 | [PSIP1](http://atlasgeneticsoncology.org/Genes/PSIP1ID405ch9q22.html) |
| p53BP3 (Alias) | 9p21.1 | [TOPORS](http://atlasgeneticsoncology.org/Genes/TOPORSID42663ch9p21.html) |
| p53CP (Alias) | 3q28 | [TP63](http://atlasgeneticsoncology.org/Genes/TP63ID365ch3q27.html) |
| p53CSV (Alias) | 12q24.31 | [TRIAP1](http://atlasgeneticsoncology.org/Genes/TRIAP1ID44577ch12q24.html) |
| p53DINP1 (Alias) | 8q22.1 | [TP53INP1](http://atlasgeneticsoncology.org/Genes/TP53INP1ID42672ch8q22.html) |
| p54 (Alias) | 11q24.3 | [ETS1](http://atlasgeneticsoncology.org/Genes/ETS1ID40502ch11q24.html) |
| p55 (Alias) | 21q22.2 | [ERG](http://atlasgeneticsoncology.org/Genes/ERGID53ch21q22.html) |
| p55 (Alias) | 7p22.1 | [FSCN1](http://atlasgeneticsoncology.org/Genes/FSCN1ID44342ch7p22.html) |
| p55CDC (Alias) | 1p34.2 | [CDC20](http://atlasgeneticsoncology.org/Genes/CDC20ID40003ch1p34.html) |
| p59ILK (Alias) | 11p15.4 | [ILK](http://atlasgeneticsoncology.org/Genes/ILKID460ch11p15.html) |
| p60 (Alias) | 19q13.33 | [GLTSCR2](http://atlasgeneticsoncology.org/Genes/GLTSCR2ID40723ch19q13.html) |
| p60-Src (Alias) | 20q11.23 | [SRC](http://atlasgeneticsoncology.org/Genes/SRCID448ch20q11.html) |
| p62 (Alias) | 17q21.2 | [CDC6](http://atlasgeneticsoncology.org/Genes/CDC6ID40014ch17q21.html) |
| p63 (Alias) | 3q28 | [TP63](http://atlasgeneticsoncology.org/Genes/TP63ID365ch3q27.html) |
| p66 (Alias) | 1q21.3 | [SHC1](http://atlasgeneticsoncology.org/Genes/SHC1ID42287ch1q21.html) |
| p67 (Alias) | 12q22 | [METAP2](http://atlasgeneticsoncology.org/Genes/METAP2ID46053ch12q22.html) |
| p67eIF2 (Alias) | 12q22 | [METAP2](http://atlasgeneticsoncology.org/Genes/METAP2ID46053ch12q22.html) |
| p68 (Alias) | 17q23.3 | [DDX5](http://atlasgeneticsoncology.org/Genes/DDX5ID40290ch17q23.html) |
| p68 kinase (Alias) | 2p22.2 | [EIF2AK2](http://atlasgeneticsoncology.org/Genes/EIF2AK2ID41866ch2p22.html) |
| p73H (Alias) | 3q28 | [TP63](http://atlasgeneticsoncology.org/Genes/TP63ID365ch3q27.html) |
| p73L (Alias) | 3q28 | [TP63](http://atlasgeneticsoncology.org/Genes/TP63ID365ch3q27.html) |
| p75 (Alias) | 7q22.1 | [CUX1](http://atlasgeneticsoncology.org/Genes/CUX1ID403ch7q22.html) |
| p75 (Alias) | 9p22.3 | [PSIP1](http://atlasgeneticsoncology.org/Genes/PSIP1ID405ch9q22.html) |
| p85 (Alias) | 5q13.1 | [PIK3R1](http://atlasgeneticsoncology.org/Genes/PIK3R1ID41717ch5q13.html) |
| p85-ALPHA (Alias) | 5q13.1 | [PIK3R1](http://atlasgeneticsoncology.org/Genes/PIK3R1ID41717ch5q13.html) |
| p85-sErbB3 (Alias) | 12q13.2 | [ERBB3](http://atlasgeneticsoncology.org/Genes/ERBB3ID40479ch12q13.html) |
| p90 (Alias) | 3q13.13 | [KIAA1524](http://atlasgeneticsoncology.org/Genes/KIAA1524ID44402ch3q13.html) |
| p90 (Alias) | 3q29 | [TFRC](http://atlasgeneticsoncology.org/Genes/TFRCID259ch3q29.html) |
| p90S6K (Alias) | 1p36.11 | [RPS6KA1](http://atlasgeneticsoncology.org/Genes/RPS6KA1ID43477ch1p36.html) |
| p97 (Alias) | 9p13.3 | [VCP](http://atlasgeneticsoncology.org/Genes/VCPID42786ch9p13.html) |
| p97MAPK (Alias) | 15q21.2 | [MAPK6](http://atlasgeneticsoncology.org/Genes/MAPK6ID43349ch15q21.html) |
| pART5 (Alias) | 8p23.1 | [TNKS](http://atlasgeneticsoncology.org/Genes/TNKSID43534ch8p23.html) |
| patched (Alias) | 9q22.32 | [PTCH1](http://atlasgeneticsoncology.org/Genes/PTCHID100.html) |
| pCIP (p300/CBP-integrator associated protein; mouse) (Alias) | 20q13.12 | [NCOA3](http://atlasgeneticsoncology.org/Genes/NCOA3ID505ch20q13.html) |
| pEg3 kinase (Alias) | 9p13.2 | [MELK](http://atlasgeneticsoncology.org/Genes/MELKID43360ch9p13.html) |
| pJA923 (Alias) | Yp11.2 | [TSPY1](http://atlasgeneticsoncology.org/Genes/TSPY1ID42718chYp11.html) |
| platelet glycoprotein G (Alias) | 15q14 | [THBS1](http://atlasgeneticsoncology.org/Genes/THBS1ID42548ch15q15.html) |
| pokemon (Alias) | 19p13.3 | [ZBTB7A](http://atlasgeneticsoncology.org/Genes/ZBTB7AID42863ch19p13.html) |
| polycystin-1 (Alias) | 16p13.3 | [PKD1](http://atlasgeneticsoncology.org/Genes/PKD1ID41725ch16p13.html) |
| pp125FAK (Alias) | 8q24.3 | [PTK2](http://atlasgeneticsoncology.org/Genes/PTK2ID41898ch8q24.html) |
| pp2386 (Alias) | 16q24.2 | [FBXO31](http://atlasgeneticsoncology.org/Genes/FBXO31ID44280ch16q24.html) |
| pp60c-Src (Alias) | 20q11.23 | [SRC](http://atlasgeneticsoncology.org/Genes/SRCID448ch20q11.html) |
| pP63mapk (Alias) | 18q21.1 | [MAPK4](http://atlasgeneticsoncology.org/Genes/MAPK4ID41293ch18q21.html) |
| pp90RSK1 (Alias) | 1p36.11 | [RPS6KA1](http://atlasgeneticsoncology.org/Genes/RPS6KA1ID43477ch1p36.html) |
| pPTB (Alias) | 19p13.3 | [PTBP1](http://atlasgeneticsoncology.org/Genes/PTBP1ID46504ch19p13.html) |
| prebp1 (Alias) | 14q32.2 | [MEG3](http://atlasgeneticsoncology.org/Genes/MEG3ID44393ch14q32.html) |
| proepithelin (Alias) | 17q21.31 | [GRN](http://atlasgeneticsoncology.org/Genes/GRNID40757ch17q21.html) |
| progranulin (Alias) | 17q21.31 | [GRN](http://atlasgeneticsoncology.org/Genes/GRNID40757ch17q21.html) |
| pro-interleukin-1-beta (Alias) | 2q13 | [IL1B](http://atlasgeneticsoncology.org/Genes/IL1BID40950ch2q13.html) |
| prorelaxin H2 (Alias) | 9p24.1 | [RLN2](http://atlasgeneticsoncology.org/Genes/RLN2ID44421ch9p24.html) |
| protein homologous to chicken B complex protein, guanine nucleotide binding (Alias) | 5q35.3 | [GNB2L1](http://atlasgeneticsoncology.org/Genes/GNB2L1ID43285ch5q35.html) |
| protein-tyrosine kinase (Alias) | 1p35.1 | [LCK](http://atlasgeneticsoncology.org/Genes/LCKID14ch1p34.html) |
| proto-oncogene LCK (Alias) | 1p35.1 | [LCK](http://atlasgeneticsoncology.org/Genes/LCKID14ch1p34.html) |
| ps20 (Alias) | 16q24.1 | [WFDC1](http://atlasgeneticsoncology.org/Genes/WFDC1ID424.html) |
| pS2 (Alias) | 21q22.3 | [TFF1](http://atlasgeneticsoncology.org/Genes/TFF1ID201.html) |
| put. ptk (135aa); tyrosine kinase (Alias) | 1p35.1 | [LCK](http://atlasgeneticsoncology.org/Genes/LCKID14ch1p34.html) |
| qkf (Alias) | 10q22.2 | [KAT6B](http://atlasgeneticsoncology.org/Genes/MYST4ID41488ch10q22.html) |
| querkopf (Alias) | 10q22.2 | [KAT6B](http://atlasgeneticsoncology.org/Genes/MYST4ID41488ch10q22.html) |
| rab6-interacting protein 2, ERC1 (Alias) | 12p13.33 | [ERC1](http://atlasgeneticsoncology.org/Genes/ELKSID503.html) |
| rCop-1 (Alias) | 20q13.12 | [WISP2](http://atlasgeneticsoncology.org/Genes/WISP2ID42814ch20q12.html) |
| rec.1.3 (Alias) | 9q31.3 | [LPAR1](http://atlasgeneticsoncology.org/Genes/LPAR1ID40405ch9q31.html) |
| rhombotin 1 (Alias) | 11p15.4 | [LMO1](http://atlasgeneticsoncology.org/Genes/LMO1ID33ch11p15.html) |
| rVH6 (Alias) | 12q21.33 | [DUSP6](http://atlasgeneticsoncology.org/Genes/DUSP6ID46105ch12q21.html) |
| scra (Alias) | 7p14.2 | [ANLN](http://atlasgeneticsoncology.org/Genes/ANLNID44318ch7p14.html) |
| secreted mucin 17 (Alias) | 7q22.1 | [MUC17](http://atlasgeneticsoncology.org/Genes/MUC17ID41456ch7q22.html) |
| semaV (Alias) | 3p21.31 | [SEMA3B](http://atlasgeneticsoncology.org/Genes/SEMA3BID42252ch3p21.html) |
| sFRP-4 (Alias) | 7p14.1 | [SFRP4](http://atlasgeneticsoncology.org/Genes/SFRP4ID42277ch7p14.html) |
| slit2 (Alias) | 5q34 | [SLIT3](http://atlasgeneticsoncology.org/Genes/SLIT3ID50515ch5q34.html) |
| small intestinal mucin MUC3 (Alias) | 7q22.1 | [MUC17](http://atlasgeneticsoncology.org/Genes/MUC17ID41456ch7q22.html) |
| smMLCK (Alias) | 3q21.1 | [MYLK](http://atlasgeneticsoncology.org/Genes/MYLKID43364ch3q21.html) |
| sPLA2 (Alias) | 1p36.13 | [PLA2G2A](http://atlasgeneticsoncology.org/Genes/PLA2G2AID41730ch1p36.html) |
| sPLA2-IIA (Alias) | 1p36.13 | [PLA2G2A](http://atlasgeneticsoncology.org/Genes/PLA2G2AID41730ch1p36.html) |
| sv0-MUC4 (Alias) | 3q29 | [MUC4](http://atlasgeneticsoncology.org/Genes/MUC4ID41459ch3q29.html) |
| synaptopodin 2 (Alias) | 4q26 | [SYNPO2](http://atlasgeneticsoncology.org/Genes/SYNPO2ID488.html) |
| synCAM4 (Alias) | 19q13.31 | [CADM4](http://atlasgeneticsoncology.org/Genes/CADM4ID46066ch19q13.html) |
| tau-crystallin (Alias) | 1p36.23 | [ENO1](http://atlasgeneticsoncology.org/Genes/ENO1ID40453ch1p36.html) |
| t-DARPP (Alias) | 17q12 | [PPP1R1B](http://atlasgeneticsoncology.org/Genes/PPP1R1BID44096ch17q12.html) |
| tetraspanin-25 (Alias) | 1p13.3 | [CD53](http://atlasgeneticsoncology.org/Genes/CD53ID983ch1p13.html) |
| tgat (Alias) | 5p15.2 | [TRIO](http://atlasgeneticsoncology.org/Genes/TRIOID43542ch5p15.html) |
| tNOX (Alias) | Xq26.1 | [ENOX2](http://atlasgeneticsoncology.org/Genes/ENOX2ID40134chXq26.html) |
| uc001kjc.1 (Alias) | 10q23.33 | [LGI1](http://atlasgeneticsoncology.org/Genes/LGI1ID311ch10q23.html) |
| vaccinia related kinase 1 (Alias) | 14q32.2 | [VRK1](http://atlasgeneticsoncology.org/Genes/VRK1ID43556ch14q32.html) |
| vomeroglandin (mouse) (Alias) | 10q26.13 | [DMBT1](http://atlasgeneticsoncology.org/Genes/DMBT1ID309ch10q26.html) |
| v-raf murine sarcoma viral oncogene homolog B1 (Alias) | 7q34 | [BRAF](http://atlasgeneticsoncology.org/Genes/BRAFID828.html) |
| vzg-1 (Alias) | 9q31.3 | [LPAR1](http://atlasgeneticsoncology.org/Genes/LPAR1ID40405ch9q31.html) |
| wts (Alias) | 6q25.1 | [LATS1](http://atlasgeneticsoncology.org/Genes/LATS1ID41127ch6q25.html) |
| ZABC1 (Alias) | 20q13.2 | [ZNF217](http://atlasgeneticsoncology.org/Genes/ZNF217ID42875ch20q13.html) |
| ZAC1 (Alias) | 6q24.2 | [PLAGL1](http://atlasgeneticsoncology.org/Genes/PLAGL1ID41737ch6q24.html) |
| ZAC (Alias) | 6q24.2 | [PLAGL1](http://atlasgeneticsoncology.org/Genes/PLAGL1ID41737ch6q24.html) |
| ZBP1 (Alias) | 17q21.32 | [IGF2BP1](http://atlasgeneticsoncology.org/Genes/IGF2BP1ID40969ch17q21.html) |
| [ZBTB16](http://atlasgeneticsoncology.org/Genes/PLZFID37.html) | 11q23.2 | ZBTB16 (zinc finger and BTB domain containing 16) |
|  |  |  |
| ZBTB27 (Alias) | 3q27.3 | [BCL6](http://atlasgeneticsoncology.org/Genes/BCL6ID20.html) |
| ZBTB29 (Alias) | 17p13.3 | [HIC1](http://atlasgeneticsoncology.org/Genes/HIC1ID40819ch17p13.html) |
| [ZBTB33](http://atlasgeneticsoncology.org/Genes/ZBTB33ID43785chXq24.html) | Xq24 | ZBTB33 (zinc finger and BTB domain containing 33) |
|  |  |  |
| [ZBTB7A](http://atlasgeneticsoncology.org/Genes/ZBTB7AID42863ch19p13.html) | 19p13.3 | ZBTB7A (zinc finger and BTB domain containing 7A) |
| ZBTB7 (Alias) | 19p13.3 | [ZBTB7A](http://atlasgeneticsoncology.org/Genes/ZBTB7AID42863ch19p13.html) |
|  |  |  |
| ZBU1 (Alias) | 3q24 | [HLTF](http://atlasgeneticsoncology.org/Genes/HLTFID42332ch3q24.html) |
| zcyto18 (Alias) | 12q15 | [IL22](http://atlasgeneticsoncology.org/Genes/IL22ID44519ch12q15.html) |
| Zep-1 (Alias) | 6p24.3 | [RREB1](http://atlasgeneticsoncology.org/Genes/RREB1ID51424ch6p24.html) |
| Zf9 (Alias) | 10p15.1 | [KLF6](http://atlasgeneticsoncology.org/Genes/KLF6ID44002ch10p15.html) |
| ZFAB (Alias) | 7q34 | [TRPV6](http://atlasgeneticsoncology.org/Genes/TRPV6ID44425ch7q34.html) |
| [ZFHX3](http://atlasgeneticsoncology.org/Genes/ATBF1ID357.html) | 16q22.2 | ZFHX3 (AT-binding transcription factor 1) |
|  |  |  |
| [ZFP36L1](http://atlasgeneticsoncology.org/Genes/ZFP36L1ID42866ch14q22.html) | 14q24.1 | ZFP36L1 (Zinc finger protein 36, C3H type-like 1) |
|  |  |  |
| ZG14P (Alias) | 8q24.21 | [ASAP1](http://atlasgeneticsoncology.org/Genes/ASAP1ID44351ch8q24.html) |
| ZIF-268 (Alias) | 5q31.2 | [EGR1](http://atlasgeneticsoncology.org/Genes/EGR1ID496ch5q31.html) |
| Zinc finger protein GLI1 (glioma-associated oncogene) (Alias) | 12q13.3 | [GLI1](http://atlasgeneticsoncology.org/Genes/GLIID310ch12q13.html) |
| ZIP1 (Alias) | 1q21.3 | [SLC39A1](http://atlasgeneticsoncology.org/Genes/SLC39A1ID46571ch1q21.html) |
| ZIP6 (Alias) | 18q12.2 | [SLC39A6](http://atlasgeneticsoncology.org/Genes/SLC39A6ID44189ch18q12.html) |
| ZIRTL (Alias) | 1q21.3 | [SLC39A1](http://atlasgeneticsoncology.org/Genes/SLC39A1ID46571ch1q21.html) |
| ZMIZ3 (Alias) | 15q23 | [PIAS1](http://atlasgeneticsoncology.org/Genes/PIAS1ID45688ch15q23.html) |
| ZMIZ5 (Alias) | 1q21.1 | [PIAS3](http://atlasgeneticsoncology.org/Genes/PIAS3ID41709ch1q21.html) |
| [ZMYM2](http://atlasgeneticsoncology.org/Genes/ZNF198ID114.html) | 13q12.11 | ZMYM2 (fused in myeloproliferative disorders). |
|  |  |  |
| [ZMYND10](http://atlasgeneticsoncology.org/Genes/ZMYND10ID45815ch3p21.html) | 3p21.31 | ZMYND10 (zinc finger, MYND-type containing 10) |
|  |  |  |
| ZMYND14 (Alias) | 1q32.3 | [SMYD2](http://atlasgeneticsoncology.org/Genes/SMYD2ID47098ch1q32.html) |
| ZMYND1 (Alias) | 1q44 | [SMYD3](http://atlasgeneticsoncology.org/Genes/SMYD3ID46100ch1q44.html) |
| ZMYND4 (Alias) | 16q24.3 | [CBFA2T3](http://atlasgeneticsoncology.org/Genes/CBFA2T3ID428ch16q24.html) |
| ZMYND6 (Alias) | 1q42.2 | [EGLN1](http://atlasgeneticsoncology.org/Genes/EGLN1ID44140ch1q42.html) |
| ZNF145 (zinc finger protein 145) (Alias) | 11q23.2 | [ZBTB16](http://atlasgeneticsoncology.org/Genes/PLZFID37.html) |
| [ZNF146](http://atlasgeneticsoncology.org/Genes/OZFID267.html) | 19q13.12 | ZNF146 (zinc finger protein 146) |
|  |  |  |
| ZNF163 (Alias) | 1p22.1 | [GFI1](http://atlasgeneticsoncology.org/Genes/GFI1ID40706ch1p22.html) |
| ZNF198 (zinc finger protein 198). (Alias) | 13q12.11 | [ZMYM2](http://atlasgeneticsoncology.org/Genes/ZNF198ID114.html) |
| [ZNF217](http://atlasgeneticsoncology.org/Genes/ZNF217ID42875ch20q13.html) | 20q13.2 | ZNF217 (zinc finger protein 217) |
|  |  |  |
| ZNF220 (Alias) | 8p11.21 | [KAT6A](http://atlasgeneticsoncology.org/Genes/MYST3ID25ch8p11.html) |
| ZNF225 (Alias) | 5q31.2 | [EGR1](http://atlasgeneticsoncology.org/Genes/EGR1ID496ch5q31.html) |
| ZNF348 (Alias) | Xq24 | [ZBTB33](http://atlasgeneticsoncology.org/Genes/ZBTB33ID43785chXq24.html) |
| ZNF363 (Alias) | 4q21.1 | [RCHY1](http://atlasgeneticsoncology.org/Genes/RCHY1ID43012ch04q21.html) |
| [ZNF384](http://atlasgeneticsoncology.org/Genes/ZNF384ID42881ch12p13.html) | 12p13.31 | ZNF384 (Zinc Finger protein 384) |
|  |  |  |
| ZNF51 (Alias) | 3q27.3 | [BCL6](http://atlasgeneticsoncology.org/Genes/BCL6ID20.html) |
| ZNF693 (Alias) | 1p36.22 | [CASZ1](http://atlasgeneticsoncology.org/Genes/CASZ1ID45989ch1p36.html) |
| ZNF802 (Alias) | 7p15.2 | [JAZF1](http://atlasgeneticsoncology.org/Genes/JAZF1ID41036ch7p15.html) |
| ZNF822 (Alias) | 16q23.2 | [ATMIN](http://atlasgeneticsoncology.org/Genes/ATMINID45745ch16q23.html) |
| ZNF857A (Alias) | 19p13.3 | [ZBTB7A](http://atlasgeneticsoncology.org/Genes/ZBTB7AID42863ch19p13.html) |
| ZNF904 (Alias) | 19q13.43 | [PEG3](http://atlasgeneticsoncology.org/Genes/PEG3ID41690ch19q13.html) |
| ZNF-kaiso (Alias) | Xq24 | [ZBTB33](http://atlasgeneticsoncology.org/Genes/ZBTB33ID43785chXq24.html) |
| ZNFN1A1 (zinc finger protein, subfamily 1A, 1) (Alias) | 7p12.2 | [IKZF1](http://atlasgeneticsoncology.org/Genes/IkarosID258.html) |
| ZNFN1A2 (Alias) | 2q34 | [IKZF2](http://atlasgeneticsoncology.org/Genes/IKZF2ID42885ch2q34.html) |
| ZNFN3A1 (Alias) | 1q44 | [SMYD3](http://atlasgeneticsoncology.org/Genes/SMYD3ID46100ch1q44.html) |
| ZO-2 (Alias) | 9q21.11 | [TJP2](http://atlasgeneticsoncology.org/Genes/TJP2ID44347ch9q21.html) |
| ZO2 (Alias) | 9q21.11 | [TJP2](http://atlasgeneticsoncology.org/Genes/TJP2ID44347ch9q21.html) |
| ZSCAN24 (Alias) | 19q13.43 | [PEG3](http://atlasgeneticsoncology.org/Genes/PEG3ID41690ch19q13.html) |
| ZYME (Alias) | 14q22.2 | [BMP4](http://atlasgeneticsoncology.org/Genes/BMP4ID811ch14q22.html) |
| ZZANK1 (Alias) | 1p36.33 | [MIB2](http://atlasgeneticsoncology.org/Genes/MIB2ID44179ch1p36.html) |
| ZZZ1 (Alias) | 2p11.2 | [KCMF1](http://atlasgeneticsoncology.org/Genes/KCMF1ID46364ch2p11.html) |
| ZZZ5 (Alias) | 1p36.33 | [MIB2](http://atlasgeneticsoncology.org/Genes/MIB2ID44179ch1p36.html) |

**References**

## Atlas of Genetics and Cytogenetics in Oncology and Haematology. Genes in cancer. http://atlasgeneticsoncology.org/Indexbyalpha/idxa\_E.html. 2015.

## HGNC. HUGO Gene Nomenclature Committee. http://www.genenames.org. 2015.

## Ma H, Ma M. Stem Cell Introduction. *Stem Cell* 2014;5(2):1-10.

1. National Center for Biotechnology Information, U.S. National Library of Medicine**.** http://www.ncbi.nlm.nih.gov/pubmed. 2014.
2. Wikipedia. The free encyclopedia. http://en.wikipedia.org. 2014.

6/25/2020